

**GROUNDWATER EXPLORATION AND
PUMPING TEST PROGRAM
SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Prepared For:

Silo Ridge Resort Community

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**GROUNDWATER EXPLORATION AND
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SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

INTRODUCTION

Leggette, Brashears & Graham, Inc. (LBG) has completed a groundwater exploration and 72-hour pumping test program on the Silo Ridge Resort Community property located at 4651 Route 22 in Amenia, New York (figure 1). The groundwater exploration and pumping test program were conducted to develop potable and irrigation water-supply sources for the proposed residential development and golf course on the project site.

A previous groundwater exploration program was conducted on the property by the Chazen Company (Chazen) between 2005 and 2007. Bedrock wells were drilled and yield tests were conducted for the proposed development at that time. Subsequent changes to the proposed layout of the golf course and residential development resulted in changes to the project's water demand requirements and rendered some of the previous well locations unsuitable for use as public water-supply sources based on the New York State Department of Health (NYSDOH) 100-foot property ownership and 200-foot sanitary control radius requirements for well siting. Therefore, additional bedrock test well drilling was conducted in April and May 2014 to secure suitable water-supply wells for the project. The proposed test well locations were submitted for review and approval to the Dutchess County Department of Health (DCDH) prior to drilling.

Following the completion of drilling, a 72-hour pumping test program was conducted which included the simultaneous pumping of five bedrock test wells, Wells 1, 2, 9, 11 and 25. The simultaneous pumping test was followed by an individual pumping test on Well 31, which is the most productive well on the project site. The 72-hour pumping test program, which included the simultaneous well test followed by the individual well test, was designed to meet the NYSDOH requirement of demonstrating twice a project's average water demand with the best well out of service. The pumping test program included water-level measurement collection from the onsite pumping wells, onsite bedrock monitoring wells, offsite monitoring wells and onsite surface-water features.

A Pumping Test Plan was prepared prior to the completion of the 72-hour pumping test program in accordance with the New York State Department of Environmental Conservation's (NYSDEC) Appendix 10, TOGS 3.2.1, "Pumping Test Procedures for Water Withdrawal

Applications”, March 2013. The Pumping Test Plan was reviewed and approved by the DCDH prior to the start of testing.

PROJECT WATER DEMAND

The average potable water demand for the proposed Silo Ridge project is estimated to be 127,612 gpd (gallons per day) or about 88.6 gpm (gallons per minute). The table below is a summary of the water demand estimated for the Silo Ridge Resort Community based on the NYSDEC, Draft 2012 “Design Standards for Intermediate-Sized Wastewater Treatment Systems”:

Table 1: Summary of Potable Water Demand Estimate

Usage Type	Subcategory	Number	Water Usage Rate	Water Demand (gpd)	Water Demand with 20% Reduction (gpd)	Twice Average Water Demand (gpd)
Residential	Total Bedroom Count	996 bedrooms	110 gpd/bedroom	109,560	109,560*	219,120
Lodge Clubhouse	Restaurant	167 seats	35/seat	5,845	4,676	9,352
	Store/Pro Shop	4 employees	15/employee	60	48	96
Clubhouse/Fitness	Pool	50 swimmers	10/swimmer	500	400	800
	Health Club	20 patrons	20/patron	400	320	640
Sales House - General Store		5,000 sq.ft.	0.1/sq. ft.	500	400	800
Activity Barn	Pool	50 swimmers	10/swimmer	500	400	800
	Bowling	2 lanes	10/lane	20	16	32
	Theater	32 seats	75/seat	2,400	1,920	3,840
Winery Building	Restaurant	80 seats	35/seat	2,800	2,240	4,480
	Winery	allowance	2,000	2,000	1,600	3,200
Golf Academy		40 students	10/student	400	320	640
		5 teachers	10/teacher	50	40	80
Vineyard Villas Club		13 seats	35/seat	455	364	728
Equestrian Center	Wash Stalls	2 stalls	35/stall	70	56	112
	Boarded Horses	20 horses	12/horse	240	192	384
	Employees	5 employees	15/employee	75	60	120
Field House	Pool	50 swimmers	10/swimmer	500	400	800
Golf Maintenance Building	Building Size	11,500 sq. ft.	0.1/ sq. ft.	1,150	920	1,840
Employees		200 employees	15/employee	3,000	2,400	4,800
Comfort Stations	Snack Seating	16 seats	25/seat	400	320	640
Golf Course	Rounds of Golf	60 rounds	20/round	1,200	960	1,920
Total Water Demand (gpd)					127,612	255,224
Total Water Demand (gpm)					88.6	177.2

sq. ft. square feet

gpd gallons per day

gpm gallons per minute

* 20% reduction not applied to residential water demand component per NYSDEC Draft 2012 “Design Standards for Wastewater Treatment Works”.

To meet the NYSDOH requirement of demonstrating twice the average potable water demand for a project with the most productive well out of service, the Silo Ridge Resort Community requires a minimum water-supply source capacity of 255,224 gpd or 177.2 gpm with the best well out of service.

In addition to the proposed potable water demand, the existing golf course which is undergoing renovations will use irrigation wells to supplement water from the irrigation ponds on the golf course. Therefore, the bedrock wells developed to meet the potable water demand requirements of the project were pumped simultaneously with the proposed irrigation wells to demonstrate that the bedrock aquifer could meet both the potable and irrigation water-supply demands under simultaneous pumping conditions.

HYDROGEOLOGY

The project site is a 670 acre property located near the intersection of Route 22 and Route 44 in the Town of Amenia, New York (figure 1). Topography at the site ranges from approximately 1,100 ft amsl (feet above mean sea level) near the western property boundary to 480 ft amsl along the eastern property boundary.

There are several ponds located on the golf course. A small stream flows through the central portion of the site into the first of two large centrally located ponds, Ponds A and B, shown on Plate 1. Intermittent, seasonal overflow from these two ponds drains into a NYSDEC wetland feature (AM-15) located downstream on the southeastern region of the property. Several smaller wetland features which are not NYSDEC regulated are also located throughout the site (Plate 1).

Two other intermittent streams are located on the northern portion of the project site. These intermittent streams drain into the Amenia/Cascade Brook which flows near the eastern property boundary.

Surficial Geology

The surficial materials underlying the study property are mapped as shallow bedrock, till and kame deposits. Bedrock, exposed or within 3 feet of the surface, is present on the western region of the property. Glacial till is mapped adjacent to the shallow bedrock on the central and

eastern areas of the project site and smaller areas of kame deposits are mapped along the eastern property boundary.

Glacial till consists of non-sorted, non-stratified sediments deposited by glacial activity. The sediments contain varying proportions of clay, silt, sand, gravel and boulders. Till is generally not suitable for well development because, as a result of the unsorted character of the material, it does not transmit water in sufficient quantities to support moderate to high-yielding wells. Kame deposits consist of stratified sand and gravel which were also formed by glacial activity. A map of the surficial material for the study area is shown on figure 2.

Bedrock Geology

Two bedrock formations are mapped underlying the project site. The Walloomsac formation, which is a metamorphic bedrock formation containing slate, phyllite, schist and metagraywacke, is mapped underlying the northern, western and southern areas of the property. Stockbridge marble, a carbonate metamorphic rock type, is present under the southeastern region of the property.

A fracture-trace analysis was completed as part of the groundwater exploration program to identify favorable areas for drilling high-yielding bedrock wells. Fracture-trace maps include the delineation of faults, fracture-trace joint systems, old river and stream courses and major unconformities. These features frequently are indications of fractured or weathered zones within the bedrock and their identification is useful for identifying major fracture conduits for groundwater recharge and in selecting favorable well sites to develop higher yield wells. A map of the bedrock geology underlying the project site along with the fracture-trace analysis and existing well locations are shown on figure 3.

GROUNDWATER EXPLORATION PROGRAM

Prior to the start of well drilling activities in 2014, there were 16 existing onsite bedrock wells (figure 3). Eleven (11) of the existing wells (Wells 2 through 12) were bedrock test wells drilled on the project site under the oversight of Chazen in 2005 and 2006. Well 1 was the existing bedrock supply well for the former golf course clubhouse; Wells 13 and 16 were used to monitor groundwater quality in relation to two former landfills located near the project site;

Well 15 was the supply well for the existing golf course maintenance building; and Well 14 was a former residential supply well (no longer in use) for structures to the north of the property. Well logs for Wells 2 through 12 are included in Appendix I. No well logs are available for Wells 1, 13, 14, 15 or 16.

In April and May 2014, 13 additional bedrock test wells were drilled under the supervision of LBG to develop additional sources to meet the project's potable and irrigation water demand requirements. The locations of the additional wells drilled, Wells 17 through 28 and Well 31, are shown on figure 3 and the well logs are included in Appendix I.

Below is a table summarizing the available onsite well construction information.

Table 2: Well Construction Information

Well ID	Date Drilled	Depth to top of Bedrock (feet)	Casing Length (feet)	Well Total Depth (feet)
Well 1	Unknown	Unknown	Unknown	211
Well 2	12/2005	150	275	345
Well 3	12/2005	34	41	505
Well 4	1/2006	15	102	445
Well 5	1/2006	40	61	465
Well 6	1/2006	76	105	465
Well 7	1/2006	17	41	465
Well 8	1/2006	28	41	525
Well 9	1/2006	15	102	405
Well 10	1/2006	50	62	465
Well 11	2/2006	190	225	605
Well 12	2/2006	110	114	465
Well 13	Unknown	Unknown	Unknown	Unknown
Well 14	Unknown	Unknown	Unknown	Unknown
Well 15	Unknown	Unknown	Unknown	Unknown
Well 16	Unknown	Unknown	Unknown	Unknown
Well 17	4/2014	165	180	660
Well 18	4/2014	150	160	660
Well 19	4/2014	58	65	560
Well 20	4/2014	1	58	560
Well 21	4/2014	30	50	600
Well 22	4/2014	32	50	600
Well 23	4/2014	35	50	180
Well 24	4/2014	22	50	500
Well 25	4/2014	59	61	600
Well 26	4/2014	0	50	660
Well 27	5/2014	115	235	500
Well 28	5/2014	197	200	540
Well 31	5/2014	190	225	500

Chazen conducted pumping tests in 2006 and 2007 on several wells on the project site. The table below summarizes the results of the yield test conducted.

Table 3: Summary of Chazen Well Yield Tests

Well ID	2006 Well Yield (gallons per minute)	2007 Well Yield (gallons per minute)
Well 1	80	NT
Well 2	100	NT
Well 4	12	NT
Well 5	23	NT
Well 9	75	105
Well 11	65	65

NT not tested

2014 PUMPING TEST PROGRAM

A simultaneous 72-hour pumping test of five bedrock wells (Wells 1, 2, 9, 11 and 25) was conducted at the Silo Ridge Resort Community property from June 9 through 12, 2014. Originally the Pumping Test Plan called for the inclusion of Well 28 as a pumping well during the simultaneous test. However, upon startup of the pump in Well 28, the water became very turbid and the yield of the well decreased. The pump in Well 28 was shut down and the location was used as a monitoring well during the remainder of the test period.

Following the completion of the simultaneous pumping test and a water-level recovery period, an individual 72-hour pumping test of the most productive well, Well 31, was conducted from June 16 through June 19, 2014. The individual test on the most productive well was complete to meet the NYSDOH well yield requirement of demonstrating twice the average water demand with the most productive well (best well) out of service.

During the pumping test period, water-level measurements were collected from Wells 1, 2, 9, 11, 25 and 31 to assess water-level drawdown and stabilization in the pumping wells. Water-level measurements were also collected from 21 onsite bedrock monitoring wells and 6 onsite piezometers (PZ-A, PZ-B, PZ-C, PZ-D1, PZ-D2 and PZ-E) installed in surface-water features located near the pumping wells. Stream gaging measurements and/or stream flow observations were collected at onsite locations SG-1, SG-2, SG-3 and SG-4.

In addition to the onsite data collection, water-level measurements were collected from four neighboring wells located to the north and east of the study area. The onsite and offsite water-level monitoring locations are shown on Plate 1. Hydrographs and summary tables of the water-level measurements collected from the pumping wells are included in Appendix II. Hydrographs of water-level measurements collected from the onsite monitoring wells, offsite monitoring wells, and surface-water monitoring points are included in Appendix III, IV and V, respectively. An electronic copy of spreadsheets containing all of the water-level data collected from the pumping wells and monitoring locations have been provided as an attachment to this report.

Short-term preliminary yield tests were conducted on the pumping wells prior to the formal 72-hour pumping tests to assess well yield, potential well interference effects, and to determine which was the highest producing well. The short-term tests were conducted from May 24 through June 4 on the pumping wells.

At the start of the simultaneous pumping test on June 9, a staggered pump startup schedule was conducted to assess the potential for mutual water-level interference between the wells under simultaneous pumping conditions. Pumping was started as 11:32 in Well 2, 13:51 in Well 25, 17:24 in Well 11, 18:55 in Well 9, and 19:30 in Well 1. The simultaneous pumping of the six bedrock wells was ended at 23:50 on June 12. The individual test on Well 31 was started at 12:25 on June 16 and the test was shut down at 12:44 on June 19.

Temporary well pumps, totalizing meters, sample ports and discharge hose were installed in Wells 1, 2, 9, 11, 25 and 31 for the test program. The temporary pump settings for the wells are provided below:

Table 4: Pump Settings During 72-Hour Pumping Tests

Well ID	Pump Depth (feet)
Well 1	140
Well 2	270
Well 9	235
Well 11	570
Well 25	60
Well 31	200

The discharge locations used for the pumping wells during the tests are shown on Plate 1. The discharge locations were selected to allow water to flow through the existing onsite surface-water features (which are connected through drainage channels and a network of underground storm-water drainage pipes) and off the project site.

The discharge rates for the wells were measured using the totalizing meters installed on the wells' discharge lines and also using 15-gallon or 30-gallons buckets at the end of the discharge hoses. For consistency, the discharge rates measured with the buckets at the end of the discharge hoses have been used in this report as the confirmed yields for all of the pumping wells during the tests.

Physical parameters of temperature, pH, total dissolved solids (TDS) and conductivity were measured in the discharge water from Wells 2, 11, 25, and 31 and nearby surface-water features during the pumping tests as part of an assessment for potential groundwater under the influence of surface water (GWUDI). Physical parameter measurements were not collected from Wells 1 and 9 because these wells are not intended for potable use; therefore, no GWUDI assessment was warranted. Graphs and a table summarizing the temperature, pH and conductivity measurements collected are included in Appendix VI.

Precipitation was monitored using a manual rain gage placed on the Silo Ridge property and information from a local rain gage station in Wingdale, NY that publishes hourly precipitation totals on the internet was reviewed during the test period. Official daily precipitation totals recorded at the N.O.A.A. Millbrook weather station are shown on the hydrographs for the wells and surface-water monitoring locations for reference. The water levels on the hydrographs for the pumping wells and bedrock monitoring wells do not show a significant response (rise in water level) to the precipitation events that took place during the pumping test data collection period. The table below shows a summary of the daily precipitation totals from the Millbrook, NY station during the pumping test period.

Table 5: Summary of Precipitation Received During Test Period, Millbrook, New York

Date	Total Precipitation (inches)	Date	Total Precipitation (inches)
5/24/2014	0	6/9/2014	0.08
5/25/2014	0	6/10/2014	0
5/26/2014	0.03	6/11/2014	0.20
5/27/2014	0.01	6/12/2014	0
5/28/2014	0.03	6/13/2014	0.58

Date	Total Precipitation (inches)	Date	Total Precipitation (inches)
5/29/2014	0	6/14/2014	0.01
5/30/2014	0.06	6/15/2014	0
5/31/2014	0	6/16/2014	0
6/1/2014	0	6/17/2014	0
6/2/2014	0	6/18/2014	0.13
6/3/2014	0.44	6/19/2014	0.09
6/4/2014	0	6/20/2014	0
6/5/2014	0.33	6/21/2014	0
6/6/2014	0	6/22/2014	0
6/7/2014	0	6/23/2014	0
6/8/2014	0	6/24/2014	0

Table 6 contains a summary of monthly precipitation information from the N.O.A.A. Millbrook climate station from July 2013 and June 2014 (12 months). The monthly precipitation totals have been compared to the historical, long-term monthly average precipitation data (1971-2000) for this station.

Table 6: Monthly Precipitation for Millbrook Station for 2013 and 2014 and Long-Term Mean Values

Date	Monthly Total Precipitation (inches)	Long-Term Monthly Mean Precipitation (inches) 1971-2000	Difference Between Reported Monthly Value and Long-Term Mean (inches)
July 2013	3.21	4.37	-1.16
August 2013	7.13	4.24	2.89
September 2013	2.98	3.82	-0.84
October 2013	3.01	3.61	-0.60
November 2013	2.65	3.12	-0.47
December 2013	4.10	2.99	1.11
January 2014	2.98	3.05	-0.07
February 2014	5.18	2.62	2.56
March 2014	3.45	3.07	0.38
April 2014	4.20	3.40	0.80
May 2014	2.50	4.34	-1.84
June 2014	2.39	3.96	-1.57

The data shows below average precipitation in May 2014, prior to the start of the start of pumping test period in June 2014. This below average rainfall which continued into June was reflected in the low surface-water levels in the onsite ponds and little or no stream flow in the intermittent streams on the site during the test period.

Water-level monitoring equipment was installed in the onsite and offsite monitoring locations starting on May 21, prior to the start of the testing program, to collect background water-level information. Water levels were measured manually and with automated pressure

transducers during the test period. The monitoring equipment was removed starting June 23, following the end of the second pumping test and water-level recovery period.

Water samples were collected from proposed water-supply Wells 2, 11, 25 and 31 for all parameters required by the NYSDOH Sanitary Code Part 5, Subpart 5-1. Water samples were not collected from Wells 1 and 9 because these wells are not intended for potable use. The water samples were taken to Envirotech Laboratories, Inc. in Newburgh, New York for analysis. In addition to the Part 5 analyses, water samples were collected for microscopic particulate analysis (MPA) and giardia and cryptosporidium analysis as part of the assessment for potential GWUDI. At the request of the DCDH, the wells were also sampled for dioxin, endothall, glyphosate and diquat.

PUMPING WELLS

Well 1

The pump in Well 1 was initially started at 15:59 on June 9. However, after 28 minutes of pumping, the generator on this well malfunctioned and shut down and a replacement generator had to be brought in. The 72-hour pumping test on Well 1 was restarted at 19:30 on June 9, 2014.

Prior to the start of pumping in any of the onsite wells on June 9, the static water level in Well 1 was 11.43 ft btoc (feet below top of casing). During the staggered well startup period, the water level in Well 1 declined 0.58 feet likely as a result of pumping in Well 2.

The pumping rate in Well 1 was set at 103 gpm at the startup of the test. Once the rate was set, the well was allowed to pump with no rate adjustments. As the water level in the well declined, the yield decreased as a result of the loss of pressure head over the top of the pump and no rate increases were made to compensate for the loss in head. The pumping rate in Well 1 reached 87 gpm around 5:00 on June 10 where it remained for the duration of the test period.

Three pump shutdowns occurred in Well 1 during the test period as result of generator malfunctions. The shutdowns occurred on June 10 from 14:53 to 16:33, and on June 11 from 13:12 to 15:07 and from 16:51 to 17:03. Upon restart of the well after each shutdown, the pumping rate and water-level drawdown in the well quickly resumed their pre-shutdown trends.

The pumping test on Well 1 ended at 23:53 on June 12. The pumping water level in the well at the end of the test was 98.92 ft btoc, for a total water-level drawdown of 87.49 feet. Water-level drawdown in Well 1 was stable (less than 0.5 foot of water-level decline per 100 feet of available drawdown) for the last 10 hours of the test period. The hydrograph and a summary table of water-level measurements collected from Well 1 are included in Appendix II.

The water level in Well 1 did not recover rapidly after shut down of the pumping test. Seventy-two (72) hours after the end of the simultaneous test, the water level in Well 1 had reached 51% of the pre-test static level. Water-level measurement collection continued in Well 1 during the individual test conducted on Well 31 the following week. No discernible water-level drawdown was measured in Well 1 as a result of pumping Well 31 at 158 gpm. By June 24 when the water-level monitoring equipment was removed from Well 1 (11.5 days after the end of the simultaneous well test) the water level in Well 1 had reached 91% of its pre-test static level.

Well 2

The pump in Well 2 was started at 11:32 on June 9, 2014. Prior to the start of pumping, the static water level in Well 2 was 13.48 ft btoc. The pumping rate in Well 2 was initially 220 gpm and was manually decreased to 180 gpm soon after the startup of the pump. As the water level in the well declined, the yield decreased as a result of the loss of pressure head over the top of the pump and no rate increases were made to compensate for the loss in head. The pumping rate in Well 2 reached 170 gpm around 14:00 on June 10; however, based on the trend of water-level drawdown in the well it was determined that a rate reduction was necessary. The pumping rate in Well 2 was manually reduced at 20:00 on June 10 to 150 gpm where it remained for the duration of the test period.

The pump in Well 2 was shut down at 23:50 on June 12. The pumping water level in the well at the end of the test was 224.48 ft btoc, for a total water-level drawdown of 211.0 feet. Water-level drawdown in Well 2 was stable for the last 21 hours of the test period.

Water-level recovery measurements were collected from Well 2 after shut down of the pumping test. Fourteen (14) hours after the end of the test the water level had reached 76% of the pre-test static level. The water level reached 90% recovery to the pre-test static level approximately 52 hours after the end of the simultaneous test.

Water-level measurement collection continued in Well 2 during the individual test conducted on Well 31 the following week. A minor disruption in the recovery trend in Well 2 can be seen on the graph. A projection of the water-level recovery trend compared to the actual water levels measured in Well 2 during that period shows approximately 1.0 foot of drawdown in Well 2 as a result of pumping Well 31 at 158 gpm.

Well 9

The pump in Well 9 was started at 18:55 on June 9, 2014. Prior to the start of pumping in any of the onsite wells, the static water level in Well 9 was 42.48 ft btoc. During the staggered well startup period, the water level in Well 9 declined 1.34 feet mainly as a result of pumping in Well 28 (before the well was eliminated from the test program) and Well 11.

The pumping rate in Well 9 was set at 85 gpm following the start of the pump and maintained at 85 gpm for duration of the test. Two well pump shutdowns occurred in Well 9 during the test period as result of generator malfunctions. The shutdowns occurred on June 10 from 7:15 to 7:50 and from 12:20 to 13:12. Upon restart of the well after each shutdown, the pumping rate and water-level drawdown in the well quickly resumed their pre-shutdown trends.

The pumping test on Well 9 was ended at 23:55 on June 12. The pumping water level in the well at the end of the test was 145.34 ft btoc, for a total water-level drawdown of 102.86 feet. Water-level drawdown in Well 9 was stable for the last 40 hours of the test period.

Water-level recovery was measured in Well 9 after shut down of the pumping test. Twenty-four (24) hours after the end of the test the water level had reached 91% of the pre-test static level and the water level was 100% recovered prior to the start of the test on Well 31 the following week.

Water-level measurement collection continued in Well 9 during the individual test conducted on Well 31. Water-level drawdown of 5.6 feet was measured in Well 9 as a result of pumping Well 31 at 158 gpm.

Well 11

The pump in Well 11 was initially started at 12:58 on June 9. However, after 17 minutes of pumping a short in the electrical wiring to the pump occurred requiring that the pump be shut

down for repair. Following the repair of the wiring, the 72-hour pumping test on Well 11 was restarted at 17:24 on June 9.

Prior to the start of pumping in any of the onsite wells on June 9, the static water level in Well 11 was 32.25 ft btoc. Before the initial start of the pump in Well 11 at 12:58, no discernible water-level drawdown was measured in Well 11 as result of pumping in Well 2.

The pumping rate in Well 11 was adjusted to 65 gpm following the startup of the test at 17:24. A rate adjustment was completed at 23:45 on June 9 to maintain the 65 gpm pumping rate in the well. The pumping rate in Well 11 remained at 65 gpm for the duration of the pumping test following the rate adjustment.

The pumping test on Well 11 ended at 23:53 on June 12. The final water level in the well at the end of the test was 437.12 ft btoc, for a total water-level drawdown of 404.87 feet. Water-level drawdown in Well 11 demonstrated stabilization during the last 6 hours of the test period. The hydrograph and a summary table of water-level measurements collected from Well 11 are included in Appendix II.

The water level in Well 11 recovered rapidly after shut down of the pumping test. The water-level in Well 11 was 99+% recovered to the pre-test static level 24 hours after shutdown of the simultaneous pumping test.

Water-level measurement collection continued in Well 11 during the individual test conducted on Well 31 the following week. Water-level drawdown of 60.81 feet was measured in Well 11 as a result of pumping Well 31 at 158 gpm.

Well 25

The pump in Well 25 was started at 13:51 on June 9. The static water level in Well 25 was 15.13 ft btoc. Prior to the start of the pump in Well 25 at 13:51, no discernible water-level drawdown was measured in Well 25 as result of pumping in Well 2 during the staggered well startup period.

The pumping rate in Well 25 was set at 39 gpm at the start of the test. After 2.5 hours of pumping, based on the trend of water-level drawdown in the well it was determined that a rate reduction was necessary. The pumping rate in Well 25 was manually reduced at 16:21 on June 9 to 33 gpm where it remained for the duration of the test period.

The pumping test on Well 25 ended at 23:56 on June 12. The pumping water level in the well at the end of the test was 38.52 ft btoc, for a total water-level drawdown of 23.39 feet. Water-level drawdown in Well 25 was stable during the last 3 days of the test period. The hydrograph and a summary table of water-level measurements collected from Well 25 are included in Appendix II.

The water level in Well 25 recovered rapidly after shut down of the pumping test. The water-level in Well 25 was 98% recovered to the pre-test static level 24 hours after shutdown of the simultaneous pumping test.

Water-level measurement collection continued in Well 25 during the individual test conducted on Well 31 the following week. Water-level drawdown of 0.3 foot was measured in Well 25 as a result of pumping Well 31 at 158 gpm.

Well 31

Water-level measurements were collected from Well 31 during the simultaneous pumping test conducted on Wells 1, 2, 9, 11 and 25 during the first week of testing. Water-level drawdown of 30.43 feet was measured in Well 31 during the simultaneous test period which appears to be mainly attributed to pumping in Well 11.

The individual pumping test on Well 31 was started at 12:25 on June 16. Prior to the start of pumping, the static water level in Well 31 was 29.53 ft btoc. The initial pumping rate in Well 31 was 200 gpm and was manually reduced to 160 gpm soon after the start of pumping. The pumping rate in Well 31 declined slightly during the test period and reached 158 gpm by 15:00 on June 17. The pumping rate remained at 158 gpm for the duration of the test period.

The pumping test on Well 31 ended at 12:44 on June 19. The pumping water level in the well at the end of the test was 112.63 ft btoc, for a total water-level drawdown of 83.10 feet. Water-level drawdown in Well 31 was stable during the last 26 hours of the test period. The hydrograph and a summary table of water-level measurements collected from Well 31 are included in Appendix II.

The water level in Well 31 recovered rapidly after shut down of the pump. The water-level in Well 31 was 97% recovered to the pre-test static level 24 hours after shutdown of the pumping test.

180-Day Water-Level Drawdown Projections

One hundred and eighty (180) day water-level drawdown projections were completed for all of the pumping wells (Wells 1, 2, 9, 11, 25 and 31) from the data collected during their respective pumping tests. Copies of the graphs with the 180-day drawdown projections are included in Appendix VII. The projected water levels in all of the pumping wells remain above the pump settings used during the pumping test program after 180 days of continuous pumping.

ONSITE MONITORING WELLS

In addition to the onsite pumping wells, water-level measurements were collected from 21 onsite bedrock monitoring wells during the pumping tests. The monitoring well locations are shown on Plate 1 and figure 3. Hydrographs of the water-level measurements collected from the onsite monitoring wells are included in Appendix III. The table below shows the drawdown measured in the onsite wells during the simultaneous and individual 72-hour pumping tests conducted:

Table 7: Summary of Drawdown Measured in Onsite Monitoring Wells

Well ID	Simultaneous Pumping Test (Wells 1, 2, 9, 11 and 25) June 9 Through June 12, 2014	Individual Pumping Test (Well 31) June 16 Through 19, 2014
Pumping Wells		
Well 1	PW	ND
Well 2	PW	1.0
Well 9	PW	5.6
Well 11	PW	60.8
Well 25	PW	0.30
Well 31	30.4	PW
Onsite Monitoring Wells		
Well 3	ND	ND
Well 5	5.0	ND
Well 6	ND	ND
Well 7	ND	ND
Well 8	ND	ND
Well 10	15	2.0
Well 12	5.0	0.5
Well 13	ND	ND
Well 14	ND	ND
Well 16	4.0	1.0
Well 17	3.5	6.0
Well 18	24.5	18.5
Well 19	2.5	6.5

Well ID	Simultaneous Pumping Test (Wells 1, 2, 9, 11 and 25) June 9 Through June 12, 2014	Individual Pumping Test (Well 31) June 16 Through 19, 2014
Well 20	21	43
Well 21	ND	ND
Well 22	5.0	ND
Well 23	ND	ND
Well 24	1.5	ND
Well 26	10	ND
Well 27	175	ND
Well 28	43	7.0

ND none discernible
PW pumping well

During the simultaneous pumping test, water-level drawdown in the onsite monitoring wells ranged from no discernible drawdown to 175 feet. Monitoring Wells 27 and 31 showed the largest drawdown during the test which is attributed to those monitoring wells being located in closest proximity to pumping Wells 2 and 11, respectively. An assessment of the approximate extent of drawdown influence for the pumping wells during the simultaneous pumping test is shown on figure 4.

During the individual pumping test on Well 31, water-level drawdown in the onsite monitoring wells ranged from no discernible drawdown to 60.8 feet in Well 11, which is the closest monitoring well to Well 31 on the site. An assessment of the approximate extent of drawdown influence for Well 31 during the individual pumping test is shown on figure 5.

OFFSITE MONITORING WELLS

During the 72-hour pumping test program, water-level measurements were collected from four offsite wells located at 4623 Route 22, 4717 Route 22, 11 West Lake Amenia Road, and 5020 Route 44 (figure 3). Hydrographs for the offsite wells monitored are included in Appendix IV. No discernible water-level drawdown was measured in any of the offsite wells monitored during the simultaneous pumping test on Wells 1, 2, 9, 11, and 25 or individual pumping test on Well 31 as a result of pumping in the onsite test wells on the Silo Ridge property.

ONSITE SURFACE-WATER MONITORING

Water-level measurements were collected from five onsite piezometer locations during both pumping tests conducted. The five piezometer locations, PZ-A, PZ-B, PZ-C, PZ-D1/D2, and PZ-E, were installed for the pumping test program by LBG in the onsite surface-water features located near the pumping wells. Hydrographs and a summary table of the water-level measurements collected from the onsite piezometers during the pumping tests are included in Appendix V. The locations of the surface-water monitoring points are shown on Plate 1.

The piezometers were constructed of a 1.25-inch diameter, 1-foot long, 10-slot stainless steel screens attached to a 5-foot length of galvanized steel drive pipe. Shallow groundwater level measurements were collected from the interior of the piezometers and, where surface water was present, surface-water level measurements were collected from the exterior of the piezometer. No surface water was present at the location of piezometer PZ-D1/D2, therefore a pair of piezometers with set together, one with a shallow screen setting and one with a deeper screen setting.

PZ-A

Piezometer PZ-A was installed in the intermittent stream located adjacent to Well 2. Throughout the data collection period, the surface-water elevation at PZ-A was higher than the groundwater elevation, which indicates that the surface water was recharging the groundwater at this location (downward gradient). Both the surface water and groundwater levels at PZ-A showed a slightly declining trend during background monitoring and throughout the pumping test period, and precipitation events which occurred during the test period did not cause a significant response in the water levels at this piezometer.

No discernible drawdown in the groundwater or surface-water level in PZ-A was observed during the simultaneous or individual 72-hour pumping tests that is attributed to pumping in the onsite wells.

PZ-B

Piezometer PZ-B was installed in the smaller pond (Pond B) of the two central ponds adjacent to Wells 11 and 31. During the background monitoring period, the surface-water level

in the pond receded and PZ-B was no longer submerged. A staff gage was installed near PZ-B and the surface-water measurements from the staff gage correlated to the piezometer to determine surface-water drawdown and recharge gradient at this monitoring location during the test period.

The hydrograph for PZ-B shows minor drawdown in both the groundwater and surface-water at this piezometer location during both the simultaneous and individual pumping test periods. During the simultaneous pumping test, drawdown in the surface water was about 0.10 foot and in the groundwater was 0.15 foot. During the individual pumping test, drawdown in the surface water was 0.25 foot and in the groundwater was 0.30 foot. Similar to the other onsite piezometers, the gradient at this piezometer location was downward, with surface water recharging groundwater, throughout the data collection period.

PZ-C

Piezometer PZ-C was installed in the intermittent stream located near pumping Well 9 and monitoring Well 10. The surface-water level in PZ-C stayed consistent (no increase or decline) during the background and pumping test periods and showed no significant response to precipitation events which occurred. The groundwater level in PZ-C showed a slight rise during the simultaneous pumping test. PZ-C showed a downward gradient, with surface water recharging groundwater, throughout the data collection period.

No discernible drawdown in the groundwater or surface-water level in PZ-C was observed during the simultaneous or individual 72-hour pumping tests that can be attributed to pumping of the onsite wells.

PZ-D1/D2

Piezometers PZ-D1/D2 were installed in the wetland area near Well 25. The screens for PZ-D1 (shallow) and PZ-D2 (deeper) were set at differing depths below grade so that a gradient comparison could be conducted since no surface water was present at this monitoring location.

The groundwater levels in PZ-D1/D2 showed some oscillation during the background and pumping test periods. The water levels in both piezometers also showed a slight response to precipitation events which occurred on June 3, 5, 11 and 13. No discernible water-level drawdown was measured in the PZ-D1 or PZ-D2 during the individual or simultaneous pumping

tests conducted. PZ-D1/D2 showed a downward recharge gradient during both pumping test events.

PZ-E

Piezometer PZ-E was installed in the larger pond (Pond A) of the two central ponds located near Wells 11 and 31. During the background monitoring period, the surface water level in the pond receded and PZ-E was no longer submerged. A staff gage was installed near PZ-B and the surface-water measurements from the staff gage correlated to the piezometer to determine surface-water drawdown and recharge gradient at this monitoring location during the test period.

The hydrograph for PZ-E shows a rise in water level during the simultaneous pumping test. This rise is the result of water from pumping Wells 1 and 2 being discharged into this pond. The discharge into the pond stopped at the end of the simultaneous pumping test, and the groundwater and surface-water levels at PZ-E declined steadily throughout remaining data collection period, including during the individual test on Well 31.

There is no discernible drawdown in the surface-water or groundwater levels in PZ-E during either test period. However, unlike the other onsite piezometers, the recharge gradient at this monitoring location was upward during a large portion of the data collection period, with groundwater recharging surface water. However, the gradient direction changed on the second day of both the individual and simultaneous pumping tests from upward to downward (surface water recharging groundwater). Although no measurable drawdown was observed in the piezometers during the test periods, the change in gradient may be an indication of minor pumping influence at the location of PZ-E.

ONSITE STREAM GAGING

Stream gaging was conducted on the project site during the 72-hour pumping tests at locations SG-1, SG-2 and SG-4. A fourth stream gaging location, SG-3, was established prior to the start of testing during the background monitoring period. However, there was no overflow from Pond B at any point during the pumping test data collection period and, consequently, no

flow at stream gaging location SG-3. The stream flow measurements collected during the test period are provided on the table below.

Table 8: Stream Flow Measurements

Date and Time	SG-1 Flow (cfs)	Date and Time	SG-2 Flow (cfs)	Date and Time	SG-4 Flow (cfs)
6/2/2014 14:30	0.14	6/2/2014 14:15	0.13	6/2/2014 13:57	1.29
6/4/2014 17:00	0.11	6/4/2014 16:35	0.14	6/4/2014 10:32	1.14
6/5/2014 14:21	0.11	6/5/2014 13:00	0.18	6/4/2014 14:42	1.14
6/9/2014 11:20	0.12	6/9/2014 13:00	0.10	6/5/2014 12:30	1.14
6/9/2014 14:21	0.11	6/10/2014 9:47	0.11	6/6/2014 15:45	0.95
6/10/2014 9:19	0.03	6/11/2014 8:39	0.03	6/9/2014 11:00	1.14
6/11/2014 8:56	0.06	6/11/2014 18:48	0.05	6/9/2014 17:20	1.14
6/11/2014 19:00	0.09	6/12/2014 11:14	0.06	6/10/2014 10:13	0.46
6/12/2014 9:17	0.04	6/12/2014 17:41	0.06	6/10/2014 18:40	0.69
6/12/2014 17:28	0.04	6/13/2014 11:20	0.06	6/11/2014 9:27	0.76
6/16/2014 9:20	0.04	6/13/2014 14:46	0.07	6/11/2014 19:40	0.76
6/16/2014 15:16	0.04	6/16/2014 9:10	0.05	6/12/2014 11:23	0.84
6/17/2014 9:10	0.04	6/17/2014 9:25	0.02	6/12/2014 17:57	0.84
6/17/2014 14:25	0.04	6/17/2014 14:42	0.02	6/13/2014 11:11	0.87
6/18/2014 9:14	0.04	6/18/2014 9:28	0.02	6/13/2014 14:35	0.98
6/18/2014 14:13	0.04	6/18/2014 14:29	0.02	6/16/2014 9:35	0.73
6/19/2014 8:50	0.06	6/19/2014 9:11	0.02	6/16/2014 13:09	0.76
6/19/2014 15:00	0.05	--	--	6/17/2014 13:24	0.73
--	--	--	--	6/17/2014 15:07	0.73
--	--	--	--	6/18/2014 11:21	0.73
--	--	--	--	6/18/2014 15:02	0.69
--	--	--	--	6/19/2014 10:12	0.76

cfs cubic feet per second

Stream gage locations SG-1 and SG-2 were established in the intermittent stream channel near Well 2. SG-1 was the upstream location from pumping Well 2 and SG-2 was located in the stream adjacent to Well 2. Flow in the stream was low during the data collection, with flows at SG-1 ranging from 0.03 cfs (cubic feet per second) to 0.14 cfs and at SG-2 from 0.02 cfs to 0.18 cfs. Piezometer PZ-A, which was located near SG-2 in the intermittent stream channel showed a downward gradient (surface water recharging groundwater) throughout the background, testing, and water-level recovery periods and showed no discernible impact from pumping in Well 2.

A graph comparing the stream flow measurements collected from SG-1 and SG-2 is included in Appendix VIII. The data shows minor changes in stream flow at both gaging locations during the data collection period in response to precipitation/runoff events. Changes in

the stream flow were observed during the simultaneous pumping test, with a small decline in flow measured on June 10 in SG-2 and on the morning of June 11 in SG-1. These declines in flow were followed by increases in stream flow at both gaging locations on June 11 before the end of the pumping test period. No notable changes in stream flow were measured at SG-1 or SG-2 during the individual test on Well 31.

Overall, there was no discernible decrease in flow at SG-2 compared to the upstream location SG-1 during the simultaneous (Wells 1, 2, 9, 11 and 25) or individual (Well 31) well tests. This data indicates no significant impact in the stream flow in the intermittent stream from pumping in the onsite wells.

Stream gage location SG-4 was established at the end of the outlet pipe that discharges water from Pond A. The outlet pipe is control by a valve that is used to increase and decrease outflow to control the water level in the pond. For the test period, the valve was set at approximately ¼-open at the start of the background data collection period and remained at ¼-open for the duration of the test period. The graph of flow measurements collected from SG-4 is included in Appendix VIII.

The discharge water from Wells 1 and 2 were directed into Pond A during the simultaneous pumping test period. A sharp decline in flow at SG-4 was measured on the second day (June 10) of the simultaneous pumping test. The decrease in flow SG-4 on June 10 was followed by a slow increase in flow over the remainder of the simultaneous test period. The increase was likely caused by the discharge water from Wells 1 and 2 entering the pond. The decrease in flow from Pond A measured on the second day of the simultaneous pumping test may be an indication of interference from pumping of the onsite wells with Pond A.

Flow measurement collected from SG-4 during the individual pumping test on Well 31 showed no significant variations. This data indicates no impact to the flow in Pond A from pumping in Well 31.

WATER QUALITY

Water samples were collected from Wells 2, 11, 25 and 31 during their respective pumping tests. Water samples were not collected from Wells 1 and 9 during the test because these wells are not planned for use as potable water-supply wells. The water samples collected

were taken to Envirotest Laboratories, Inc. located in Newburgh, New York for analysis. The samples were analyzed for all parameters required by the NYSDOH Sanitary Code Part 5, Subpart 5-1. In addition, microscopic particulate analysis (MPA) and giardia and cryptosporidium samples were collected as part of the assessment for potential GWUDI, and dioxin, endothall, glyphosate and diquat analyses were completed. Copies of the laboratory reports are included in Appendix IX.

Additional water samples were collected from Well 25 on June 24 because a cooler of sample bottles was held up in transit to a subcontractor laboratory which caused the samples to exceed their respective hold times and temperature storage requirements. The well was resampled after being pumped to waste for 18 hours.

Physical parameter measurements of pH, temperature, conductivity and TDS were also measured in the discharge water from Wells 2, 11, 25 and 31 and the nearby surface water during their respective test periods. Graphs of the data collected are included in Appendix VI. The data was collected as part of an assessment of GWUDI for the wells.

Well 2

Water samples from Well 2 meet all NYSDOH drinking water standards with the exception of the total iron and the combined total iron and total manganese concentrations. The total iron concentration in Well 2 was 0.340 mg/l (milligrams per liter) which exceed the maximum contaminant level (MCL) of 0.3 mg/l. The combined total iron and manganese concentration was 0.598 mg/l which exceeds the MCL of 0.5 mg/l.

Dissolved iron and manganese analyses were also completed on the samples from Well 2. The dissolved iron concentration was 0.117 mg/l and the combined dissolved iron and manganese concentration was 0.360 mg/l, which are both below the NYSDOH MCL.

The MPA sample from Well 2 was reported to be low risk with no indicator organisms detected in the sample. The physical parameter data collected from Well 2 and the nearby surface water also showed no indication of potential GWUDI. However, a giardia detection was reported in the EPA Method 1623 analysis completed. A detection of giardia will very likely result in a positive GWUDI designation for Well 2 and treatment will be required.

Well 11

Water samples from Well 11 met all NYSDOH drinking water standards with the exception of the presence of total coliform. No e. coli was present in the bacteria sample collected from the well. Well 11 will need to be disinfected and resampled for total coliform prior to being placed into service.

The MPA sample from Well 11 was reported to be low risk for GWUDI. However, a nematode, which is a secondary indicator organism with no assigned risk factor, was detected in the sample collected. The physical parameter data collected from Well 11 and the nearby surface water also showed no indication of potential GWUDI. No giardia or cryptosporidium detections were reported in the EPA Method 1623 analysis completed.

Well 25

Water samples from Well 25 meet all NYSDOH drinking water standards with the exception of the TDS concentrations and a detection of bis (2ethylhexyl) phthalate. The TDS concentration in Well 25 was 306 mg/l which exceeds the NYSDOH drinking water standard MCL of 250 mg/l. A bis (2ethylhexyl) phthalate detection of 9.0 ug/l was reported in Well 25 which exceeds the MCL of 6 ug/l. Bis (2ethylhexyl) phthalate is a known laboratory contaminant; however, the compound was not detected in the laboratory blank and the laboratory report indicates the sample was rerun to confirm the detection.

The MPA sample from Well 25 was reported to be low risk with no indicator organisms detected in the sample. The physical parameter data collected from Well 25 and the nearby surface water also showed no indication of potential GWUDI. No giardia or cryptosporidium detections were reported in the EPA Method 1623 analysis completed.

Well 31

Water samples collected from Well 31 met all NYSDOH drinking water standards with the exception of the combined total iron and manganese concentration. The combined total iron and manganese was reported at 0.583 mg/l which exceeds the MCL value of 0.5 mg/l. Dissolved iron and manganese analyses were also complete on the samples collected. This combined dissolved iron and manganese concentration was 0.363 mg/l which is below the MCL.

The MPA sample from Well 31 was reported to be low risk with no indicator organisms detected in the sample. The physical parameter data collected from Well 31 and the nearby surface water also showed no indication of potential GWUDI. No giardia or cryptosporidium detections were reported in the EPA Method 1623 analysis completed.

DISCUSSION AND CONCLUSIONS

- Pumping Wells 1, 2, 9, 11 and 25 demonstrated stabilized yield and water-level drawdown during the simultaneous 72-hour pumping test conducted at pumping rates of 87 gpm, 150 gpm, 85 gpm, 65 gpm and 33 gpm, respectively. The combined yield of the five pumping wells during the simultaneous 72-hour pumping test was 420 gpm.
- The combined stabilized yield demonstrated during the simultaneous pumping test of proposed supply Wells 2 and 11 of 215 gpm is more than sufficient to meet twice the estimated average water demand of the proposed Silo Ridge Resort Community project of 177.2 gpm. Water-level recovery following in the end of pumping was good in these wells, with the water level reaching 90% of the pre-test static height within 52 hours of shutdown of the pump in Well 2 and 90+% of the pre-test static within 24 hours of shutdown of the pump in Well 11. In addition, 180-day water-level drawdown projection completed for these wells show the pumping water levels remains above the test pump setting depth.
- Pumping Well 31 demonstrated stabilized yield and water-level drawdown at a pumping rate of 158 gpm. This well was tested individually as the best well and satisfies the NYSDOH well yield requirement of meeting twice the average water demand with the best well out of service. Water-level recovery following in the end of pumping was also good in this well, with the water level reaching 90+% of the pre-test static within 24 hours of shutdown of the pump in Well 31 and the 180-day water-level drawdown projection shows the pumping water level remains above the test pump setting depth.

- Pumping Wells 1, 9 and 25 were tested concurrently with the proposed water-supply Wells 2 and 11 to demonstrate that the proposed onsite potable water supply and irrigation water supply could be operated concurrently. The combined yield of the proposed irrigation Wells 1, 9 and 25 is 205 gpm. All three wells demonstrated stabilize yield and water-level drawdown during the test period. Water-level recovery in Wells 9 and 25 were good following shutdown of the test with 90+% recovery within 24 hours of shutdown in both wells and the 180-day water-level drawdown projections showed the pumping water levels above the test pump depth settings in both wells. The rate of water-level recovery in Well 1 following the end of the test was notably slower. The water level in Well 1 reached 51% recovery 72 hours after shutdown of the pump in Well 1 and at the end of the data collection period (11.5 days after shutdown of the pump) the water level had reached 91% recovery. The 180-day water-level drawdown projection for Well 1 does show the pumping water-level remains above the test pump depth setting in Well 1. If Well 1 is placed into service as an irrigation well, additional water level monitoring may be warranted to assess the yield of the well under actual operating conditions. The well can be pumped concurrently at 87 gpm with the other onsite wells and has no discernible effect on any nearby offsite wells. Therefore, the additional monitoring would be used to assess the most suitable operating capacity for the well based on actual operating conditions (i.e. duration of pumping cycles).
- Water-level drawdown measured in the onsite bedrock monitoring wells during the simultaneous 72-hour pumping test ranged from no discernible drawdown in the well located farthest from the pumping wells to 175 feet in the closest well. During the individual test on Well 31, water-level drawdown in the onsite wells ranged from no discernible drawdown in the well farthest from the pumping well to 60.88 feet in Well 11, which was the closest monitoring well to the pumping Well 31.
- Water-level measurements were collected from four offsite wells during both pumping tests. No water-level drawdown was measured in any of the offsite wells monitored during either test period.


- Water-level and stream flow measurements were collected from the onsite surface-water features during the 72-hour pumping tests. No drawdown or stream flow impact was measured in the intermittent stream channel near Well 2. No water-level drawdown in the surface water or groundwater was measured in PZ-C (near Well 9) or PZ-D1/D2 (near Well 25). Drawdown was measured in the surface water and groundwater at PZ-B in Pond B during both the simultaneous and individual pumping tests. During the simultaneous pumping test, 0.1 foot of surface-water drawdown was measured and 0.15 foot of groundwater drawdown was measured. During the individual pumping test, 0.25 foot of surface-water drawdown was measured and 0.30 foot of groundwater drawdown was measured. No measurable drawdown was recorded on PZ-E during either test period. However, a change in recharge gradient at this piezometer location occurred during both pumping tests which may be an indication of minor pumping related influence at the location of PZ-E. In addition, a decline in stream flow was measured on the second day of the simultaneous pumping test at SG-4 (outlet for Pond A). This also may be an indication of pumping related interference in Pond A.
- Water samples were collected from Wells 2, 11, 25 and 31 during the respective pumping tests. Water samples were not collected from Wells 1 and 9 during the test because these wells are not planned for use as potable water-supply wells. The water samples were taken to Envirotest Laboratories, Inc. located in Newburgh, New York for analysis. The samples were analyzed for all parameters required by the NYSDOH Sanitary Code Part 5, Subpart 5-1. In addition, MPA and giardia/cryptosporidium samples were collected as part of the assessment for potential GWUDI, and dioxin, endothall, glyphosate and diquat analyses were completed.
- The water quality in Well 2 met all NYSDOH drinking water standards with the exception of the total iron at 0.340 mg/l and the combined total iron and total manganese concentrations at 0.598 mg/l. Dissolved iron and manganese analyses completed reported a dissolved iron concentration of 0.117 mg/l and the total dissolved iron and manganese concentration was 0.360 mg/l, which are both below the NYSDOH MCL.

- The MPA sample from Well 2 was reported to be low risk with no indicator organisms detected in the sample. The physical parameter data collected from Well 2 and the nearby surface water also showed no indication of potential GWUDI. However, a giardia detection was reported in the EPA Method 1623 analysis completed. A detection of giardia will very likely result in a positive GWUDI designation for Well 2 and treatment will be required
- Water samples from Well 11 met all NYSDOH drinking water standards with the exception of the presence of total coliform. No e. coli was present in the bacteria sample collected from the well. Well 11 will need to be disinfected and resampled for total coliform prior to being placed into service.
- The MPA sample from Well 11 was reported to be low risk for GWUDI. However, a nematode, which is a secondary indicator organism with no assigned risk factor, was detected in the sample collected. The physical parameter data collected from Well 11 and the nearby surface water also showed no indication of potential GWUDI. No giardia or cryptosporidium detections were reported in the EPA Method 1623 analysis completed.
- Water samples from Well 25 meet all NYSDOH drinking water standards with the exception of the TDS concentrations and a detection of bis (2ethylhexyl) phthalate. The TDS concentration in Well 25 was 306 mg/l which exceeds the NYSDOH drinking water standard MCL of 250 mg/l. A bis (2ethylhexyl) phthalate detection of 9.0 ug/l was reported in Well 25 which exceeds the MCL of 6 ug/l. Bis (2ethylhexyl) phthalate is a known laboratory contaminant, but the compound was not detected in the laboratory blank and the laboratory report indicates the sample was rerun to confirm the detection. However, as discussed above, the combined yield of Wells 2 and 11 was sufficient to meet the potable water demand requirements of the project. Therefore, it is likely that Well 25 will be used as an irrigation well and not a potable water-supply source.
- The MPA sample from Well 25 was reported to be low risk with no indicator organisms detected in the sample. The physical parameter data collected from Well 25 and the nearby

surface water also showed no indication of potential GWUDI. No giardia or cryptosporidium detections were reported in the EPA Method 1623 analysis completed.

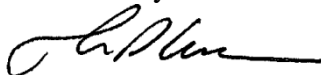
- Water samples collected from Well 31 met all NYSDOH drinking water standards with the exception of the combined total iron and manganese concentration. The combined total iron and manganese was reported at 0.583 mg/l which exceeds the MCL value of 0.5 mg/l. Dissolved iron and manganese analyses were also complete on the samples collected. This combined dissolved iron and manganese concentration was 0.363 mg/l which is below the MCL.
- The MPA sample from Well 31 was reported to be low risk with no indicator organisms detected in the sample. The physical parameter data collected from Well 31 and the nearby surface water also showed no indication of potential GWUDI. No giardia or cryptosporidium detections were reported in the EPA Method 1623 analysis completed.
- Wells 2 and 31 may require treatment to reduce iron and manganese concentrations. In addition, Well 2 should be resampled for MPA and giardia and cryptosporidium to confirm the detection. However, it is likely that the well will need to be treated for GWUDI.

LEGGETTE, BRASHEARS & GRAHAM, INC.



Stacy Stieber, CPG
Senior Hydrogeologist

Reviewed by:



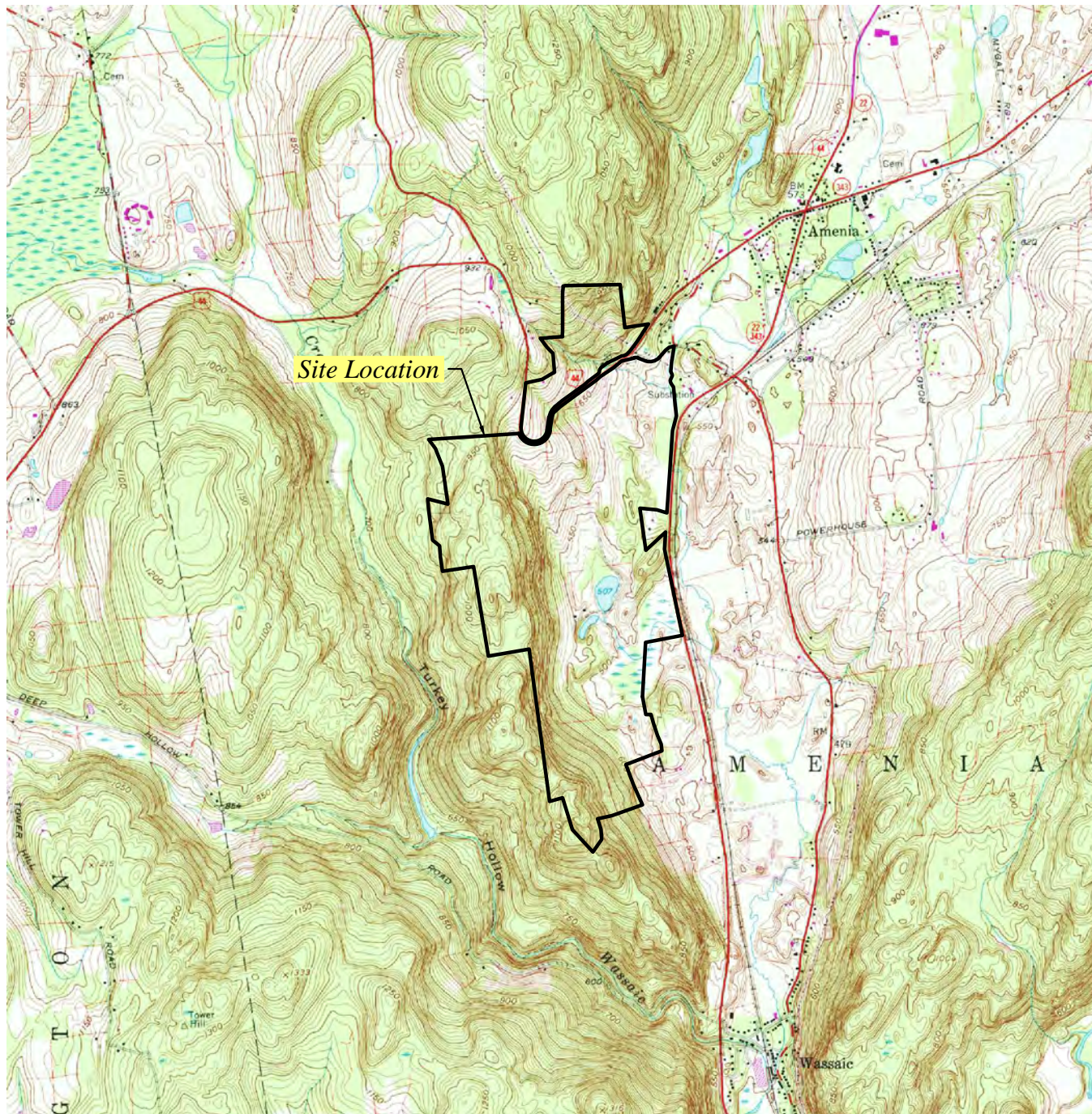
Thomas P. Cusack, CPG
Principal

cmm

August 21, 2014

H:\Silo Ridge Property\72-Hour Pumping Test\Pumping Test Report.docx

FIGURES



SOURCE: USGS TOPOGRAPHIC QUADRANGLE AMENIA, NEW YORK (PHOTOREVISED 1984).



QUADRANGLE LOCATION

0 3000



SCALE IN FEET

SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

SITE LOCATION MAP

DATE

REVISED

PREPARED BY:

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DRAWN: MRV

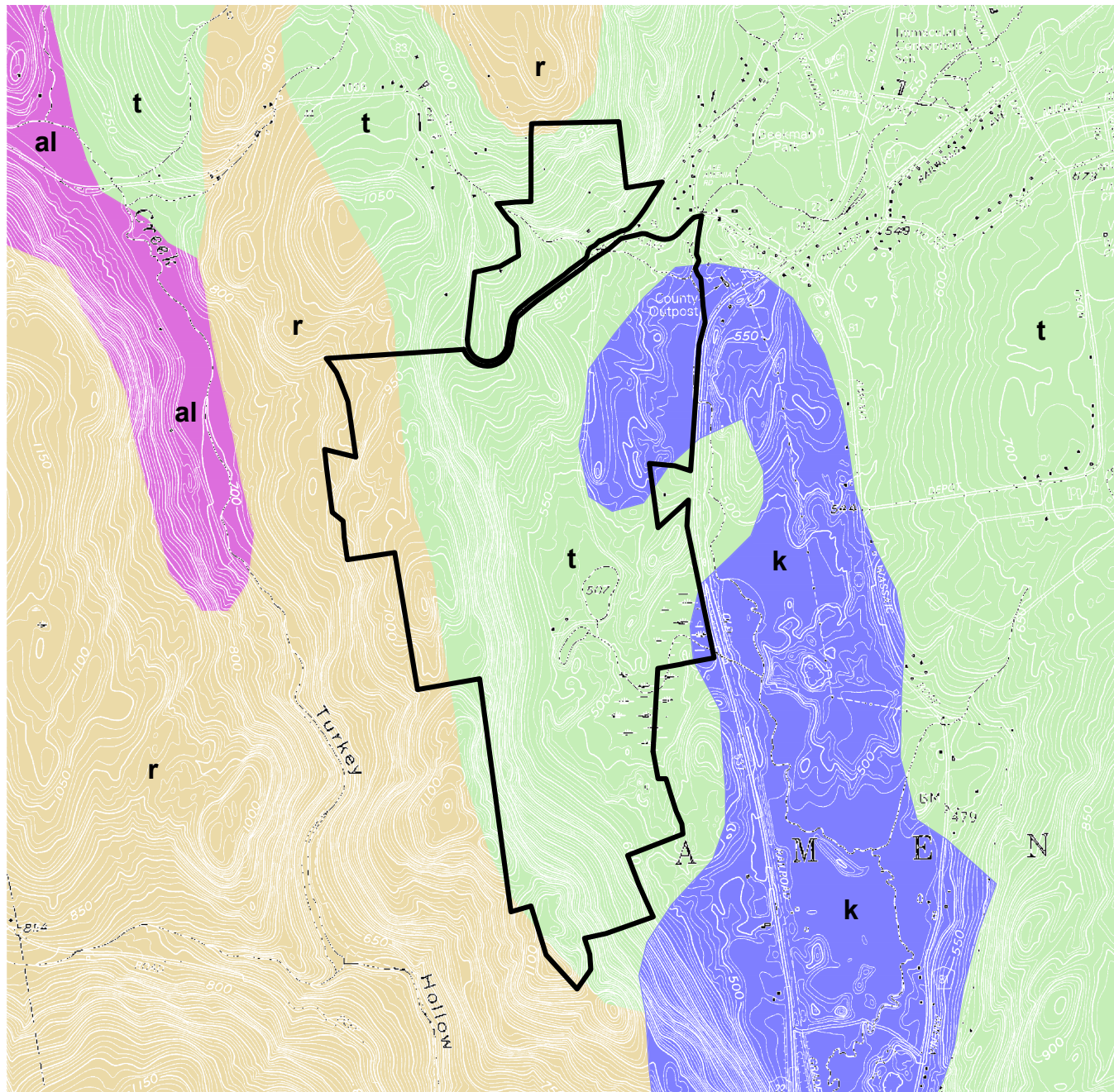
CHECKED: SS

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07/09/14

FIGURE:

1



LEGEND

PROPERTY BOUNDARY

- k** KAME DEPOSITS
- t** GLACIAL TILL
- r** BEDROCK EXPOSED OR WITHIN 3 FEET OF SURFACE
- al** ALLUVIAL DEPOSITS



0 2000
SCALE IN FEET

SOURCE:
NEW YORK STATE GEOLOGICAL SURVEY, 1997, "SURFICIAL GEOLOGY-LOWER HUDSON SHEET",
NEW YORK STATE MUSEUM MAO AND CHART SERIES NUMBER 40.

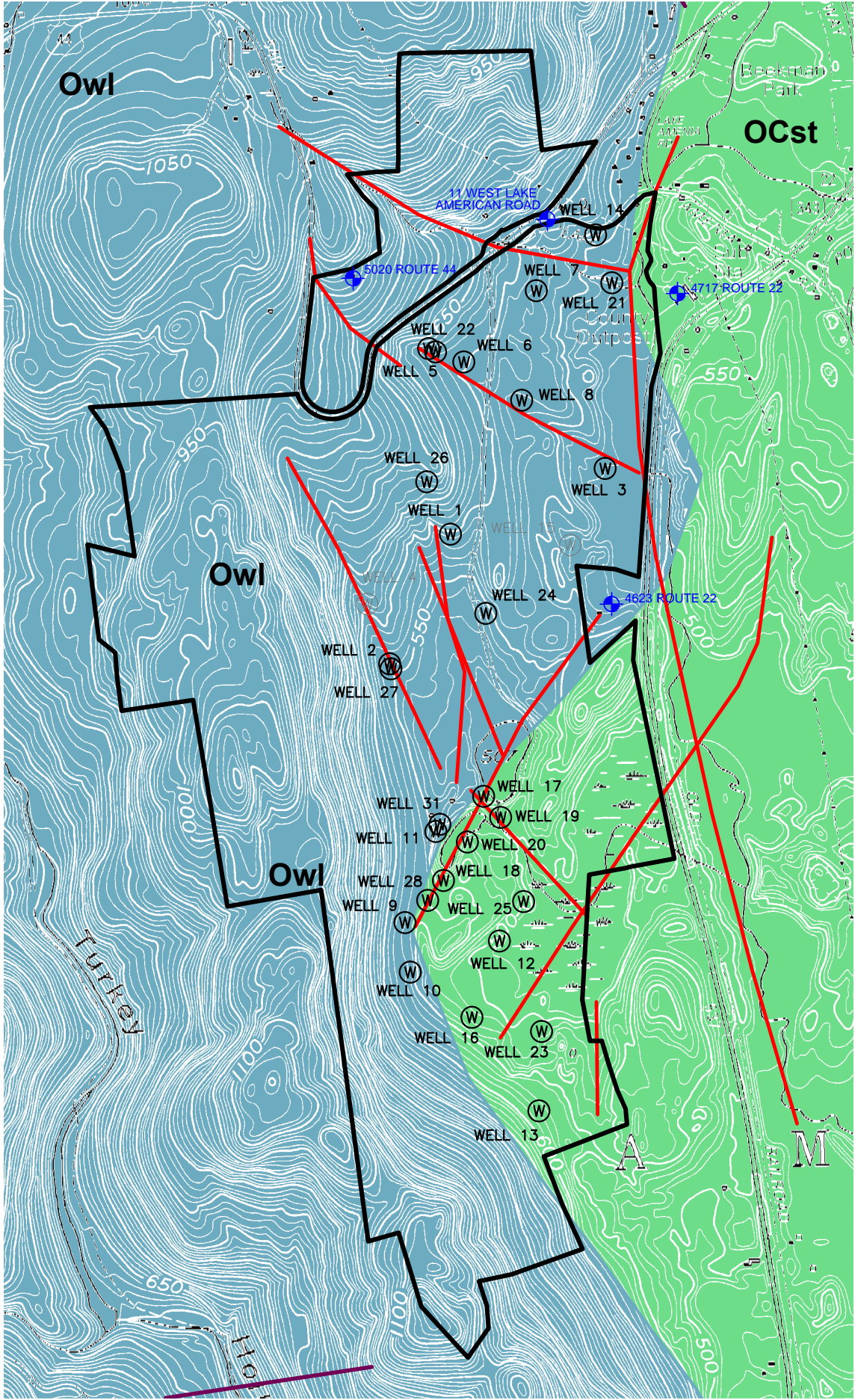
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

SURFICIAL GEOLOGY

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		DATE:	07/09/14
		FIGURE:	2



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LEGEND

- PROPERTY BOUNDARY
- WELL LOCATION
- APPROXIMATE LOCATION OF OFFSITE WELL INCLUDED IN MONITORING PROGRAM
- WELL COULD NOT BE LOCATED/WELL NOT ACCESSIBLE FOR MONITORING
- FAULT
- FRACTURE TRACE
- Owl WALLOOMSAC FORMATION
- OCst STOCKBRIDGE MARBLE

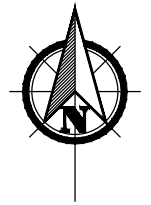
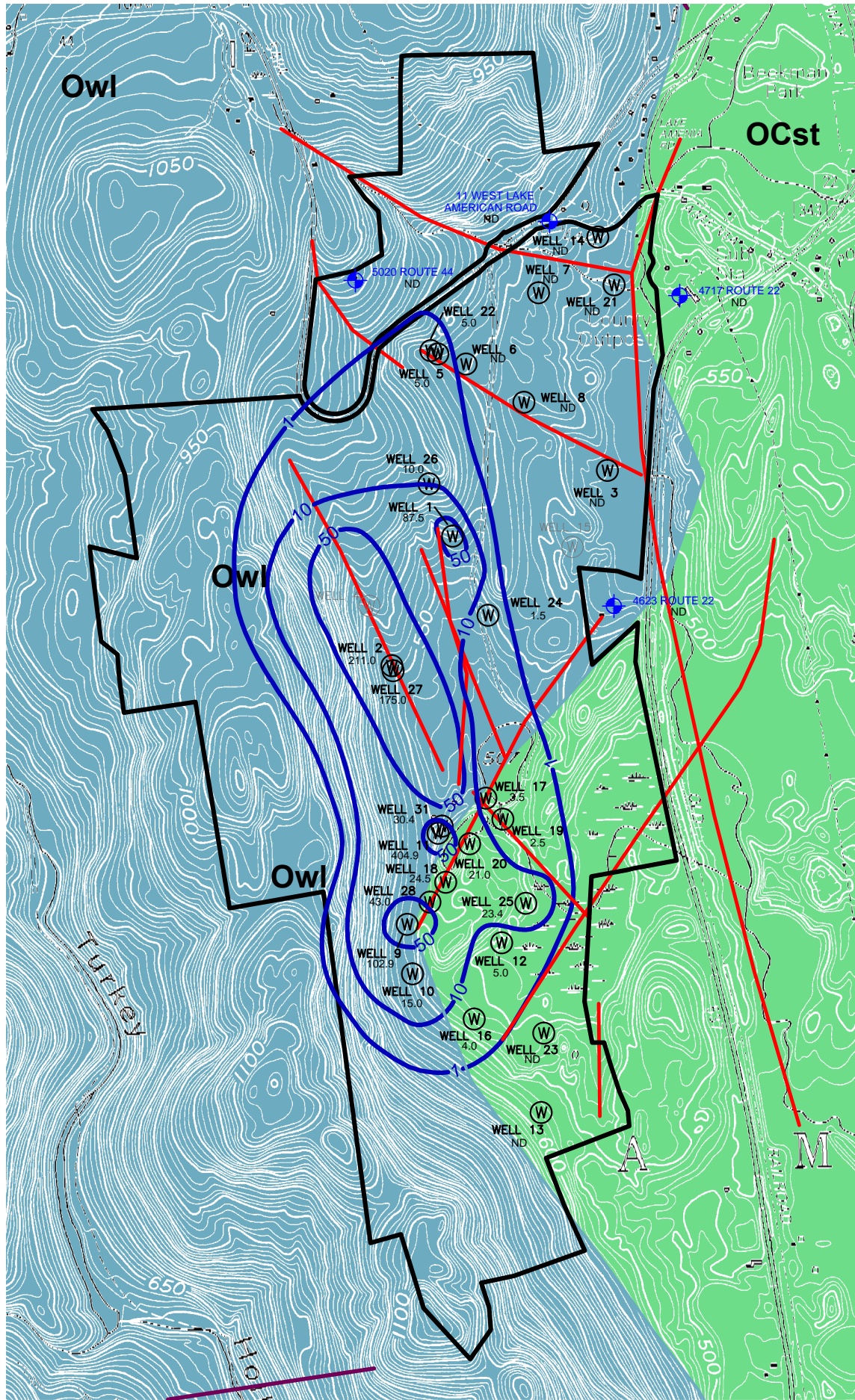


SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK

BEDROCK GEOLOGY WITH FRACTURE-TRACE ANALYSIS
AND EXISTING WELL LOCATIONS

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Groundwater and Environmental Engineering Services
		4 Research Drive
		Suite 301
		Shelton, Connecticut 06484
		(203) 929-8555
DRAWN:	RAC	CHECKED: SS
		DATE: 07/30/14
		FIGURE: 3

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LEGEND

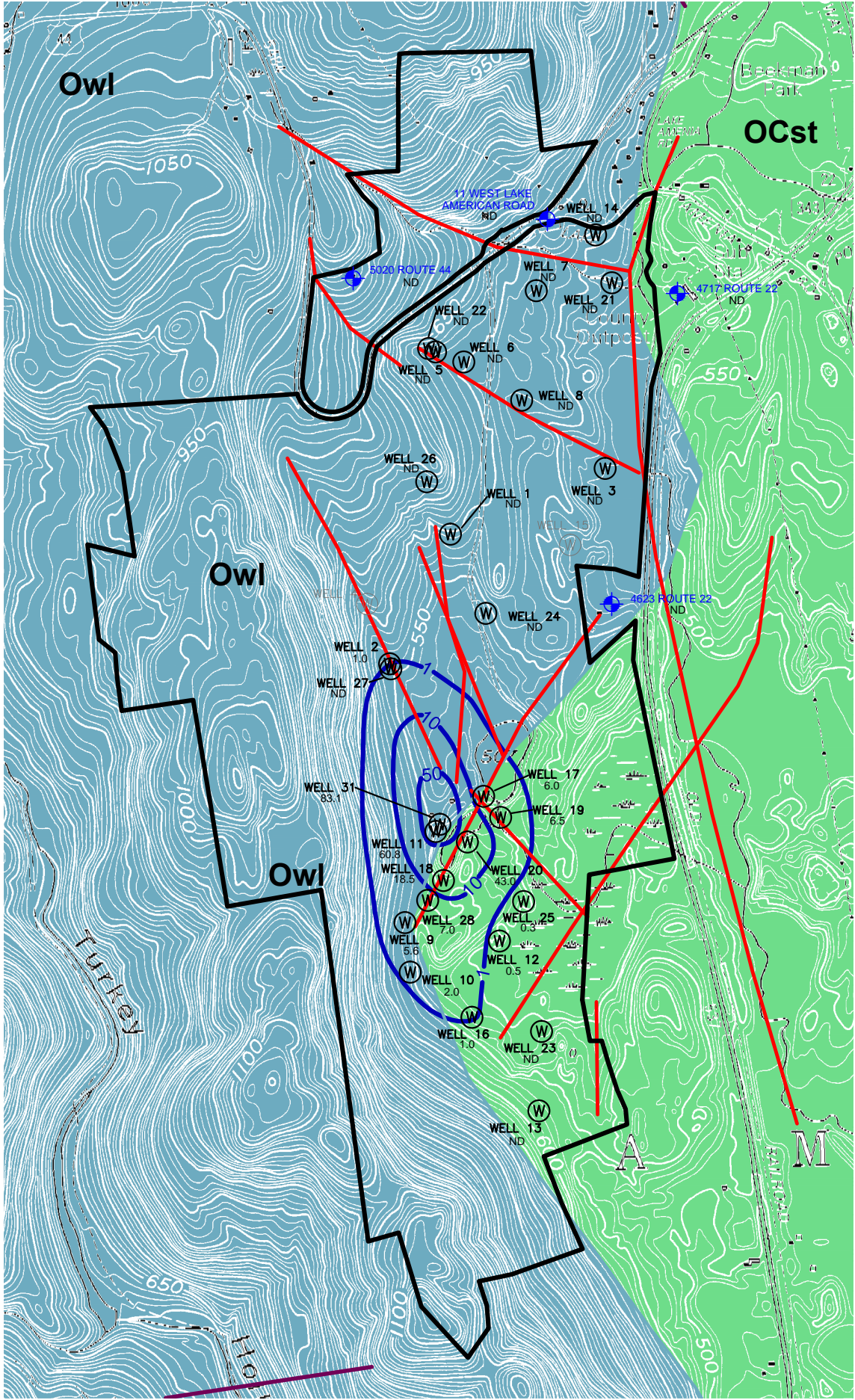
- PROPERTY BOUNDARY
- WELL LOCATION
- WATER-LEVEL DRAWDOWN MEASURED DURING 72-HOUR PUMPING TEST
- ND NO DISCERNIBLE DRAWDOWN DURING PUMPING TEST
- APPROXIMATE LOCATION OF OFFSITE WELL INCLUDED IN MONITORING PROGRAM
- WELL 15 WELL COULD NOT BE LOCATED/WELL NOT ACCESSIBLE FOR MONITORING
- FAULT
- FRACTURE TRACE
- Owl WALLOOMSAC FORMATION
- OCst STOCKBRIDGE MARBLE
- APPROXIMATE EXTENT OF WATER-LEVEL DRAWDOWN IMPACT

SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK

WATER-LEVEL DRAWDOWN IMPACT DURING SIMULTANEOUS
PUMPING TEST ON WELLS 1, 2, 9, 11 AND 25

DATE	REVISED	PREPARED BY: LEGGETTE, BRASHEARS & GRAHAM, INC.		
		Professional Groundwater and Environmental Engineering Services		
		4 Research Drive		
		Suite 301		
		Shelton, Connecticut 06484		
		(203) 929-8555		
DRAWN:	RAC	CHECKED:	SS	DATE: 08/05/14
				FIGURE: 4

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LEGEND

- PROPERTY BOUNDARY
- WELL LOCATION
- WELL 11
- 60.8
- ND
- APPROXIMATE LOCATION OF OFFSITE WELL INCLUDED IN MONITORING PROGRAM
- 4623 ROUTE 22
- WELL 15
- WELL COULD NOT BE LOCATED/WELL NOT ACCESSIBLE FOR MONITORING
- FAULT
- FRACTURE TRACE
- Owl
- OCst
- APPROXIMATE EXTENT OF WATER-LEVEL DRAWDOWN IMPACT



SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK				
WATER-LEVEL DRAWDOWN IMPACT DURING INDIVIDUAL PUMPING TEST ON WELL 31				
DATE	REVISED	PREPARED BY: LEGGETTE, BRASHEARS & GRAHAM, INC.		
		Professional Groundwater and Environmental Engineering Services		
		4 Research Drive		
		Suite 301		
		Shelton, Connecticut 06484		
		(203) 929-8555		
DRAWN:	RAC	CHECKED:	SS	DATE: 07/31/14
				FIGURE: 5

APPENDIX I

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess
(2) TOWN Amenia

(3) DEC Well Number
DU 6840

WATER WELL COMPLETION REPORT

(4) OWNER <u>Higher Ground Country Club Management Co. LLC</u>		LOG * Ground Surface EL. _____ ft. above sea level	
(5) ADDRESS <u>P.O. Box 86 Route 22 Amenia, N.Y. 12501</u>			
(6) LOCATION OF WELL (See Instructions On Reverse) Show Lat/Long if available and method used: <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Map Interpolation <u>N41°49.885' W073°34.480' well #1</u> <u>Chazen well #2</u>		Top Of Casing is located <u>+2</u> ft. above (+) or below (-) ground surface	
(7) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>345'</u>	(8) DEPTH TO GROUNDWATER, BELOW LAND SURFACE (feet) DATE MEASURED	TOP OF WELL	
CASINGS			
(9) DIAMETER <u>7 in.</u>	(10) LENGTH <u>275 ft.</u>		
(11) GROUT TYPE / SEALING	(12) GROUT / SEALING INTERVAL (feet) FROM <u>0</u> TO <u>275</u>		
SCREENS			
(13) MAKE & MATERIAL	(14) OPENINGS		
(15) DIAMETER in. in. in. in.	(16) LENGTH ft. ft. ft. in.		
(17) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(18) DATE <u>12/28/05</u>	(19) DURATION OF TEST <u>4 hours</u>		
(20) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Ball	(21) STABILIZED DISCHARGE (GPM) <u>125</u>		
(22) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)	(23) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing)		
(24) RECOVERY (Time in hours/minutes)	(25) Was the water produced during the test discharged away from immediate area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
PUMP INSTALLATION			
(26) PUMP INSTALLED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	(27) DATE	(28) PUMP INSTALLER	
(29) TYPE	(30) MAKE	(31) MODEL	
(32) MAXIMUM CAPACITY (GPM)	(33) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)		
(34) METHOD OF DRILLING <u>Air Percussion</u> <input type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Other		(35) USE OF WATER (See instructions for choices) <u>Test</u>	
(36) DATE DRILLING WORK STARTED <u>12/23/05</u>	(37) DATE DRILLING WORK COMPLETED <u>12/28/05</u>		
(38) DATE REPORT FILED	(39) REGISTERED COMPANY <u>Albert M. Hyatt + Sons</u>	(40) DEC REGISTRATION NO. <u>NYRD 10194</u>	
(41) CERTIFIED DRILLER (Print name) <u>Rex Hyatt</u>		(42) CERTIFIED DRILLER SIGNATURE <u>Rex Hyatt</u>	
* Show log of geologic materials encountered with depth below ground surface, water bearing beds and water levels in each; casings; screens; pump; additional pumping tests and other matters of interest, e.g., water quality (sulphur, salt, methane). Describe repair work. Attach separate sheet if necessary.			

0'-10' Sand + Gravel
10'-110' Hardpan
110'-150' Soft yellow Sandstone
150'-180' Limestone
180'-270' Soft yellow Sandstone
270'-285' cavernous Void water bearing
285'-345' Grey Schist

345'
BOTTOM OF HOLE

OWNER COPY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess
(2) TOWN Amenia

(3) DEC Well Number

D06844

WATER WELL COMPLETION REPORT

(4) OWNER

Higher Ground Country Club Management CO, LLC

(5) ADDRESS

P.O. Box 86 Route 22, America, N.Y. 12501

(6) LOCATION OF WELL (See Instructions On Reverse)

Show Lat/Long if available and method used:

☒ GPS ☐ Map Interpolation

N 41° 50.157' W 073° 34.081' Well #2
Chazen Well #3

(7) DEPTH OF WELL BELOW LAND SURFACE (feet)

505'

(8) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet)

9'

DATE MEASURED

1/4/06

(9) DIAMETER

7 in.

(10) LENGTH

41 ft.

(11) GROUT TYPE / SEALING

Bentonite

(12) GROUT / SEALING INTERVAL (feet)

FROM 10 TO 41

(13) MAKE & MATERIAL

(14) OPENINGS

(15) DIAMETER

in.

(16) LENGTH

ft.

(17) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)

YIELD TEST

(18) DATE

12/30/05

(19) DURATION OF TEST

-1 hour

(20) LIFT METHOD

☐ Pump

☒ Air Lift

☐ Bail

(21) STABILIZED DISCHARGE (GPM)

1

(22) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)

(23) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing)

Bottom of hole

(24) RECOVERY (Time in hours/minutes)

(25) Was the water produced during the test discharged away from immediate area? Yes ☐ No ☒

PUMP INSTALLATION

(26) PUMP INSTALLED?

YES ☐ NO ☒

(27) DATE

(28) PUMP INSTALLER

(29) TYPE

(30) MAKE

(31) MODEL

(32) MAXIMUM CAPACITY (GPM)

(33) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)

(34) METHOD OF DRILLING

☐ Rotary

☐ Cable Tool

☒ Other

(35) USE OF WATER

(See instructions for choices)

Test

(36) DATE DRILLING WORK STARTED

12/30/05

(37) DATE DRILLING WORK COMPLETED

12/30/05

(38) DATE REPORT FILED

12/31/05

(39) REGISTERED COMPANY

Albert M. Hyatt + Sons

(40) DEC REGISTRATION NO.

NYRD 10194

(41) CERTIFIED DRILLER (Print name)

Rex Hyatt

(42) CERTIFIED DRILLER SIGNATURE

Rex Hyatt

LOG *

Ground Surface EL. _____ ft. above sea level

Top Of Casing is located +1 ft. above (+) or below (-) ground surface

TOP OF WELL

0'-15'

Sandy Till

15'-25'

Silt

25'-34'

Hardpan

34'-505'

Shale

0'-41'

Steel Casing

41'-505'

open hole

in Bedrock

505'
BOTTOM OF HOLE

OWNER COPY

* Show log of geologic materials encountered with depth below ground surface, water bearing beds and water levels in each; casings; screens; pump; additional pumping tests and other matters of interest, e.g., water quality (sulphur, salt, methane). Describe repair work. Attach separate sheet if necessary.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess
(2) TOWN Amenia



(3) DBC Well Number

DU6845

WATER WELL COMPLETION REPORT

(4) OWNER

Hiker Ground Country Club Management CO, LLC

(5) ADDRESS

PO Box 86 Route 22 Amenia, NY 12501

(6) LOCATION OF WELL (See Instructions On Reverse)
Show Lat/Long if available
and method used:

☒ GPS ☐ Map Interpolation

N 41° 49.966' W 073° 34.519 Well # 3

(7) DEPTH OF WELL BELOW
LAND SURFACE (feet)

445'

(8) DEPTH TO GROUNDWATER
BELOW LAND SURFACE (feet)

92' 1/8/06

DATE MEASURED

LOG *

Ground
Surface EL. _____ ft. above sea level

Top Of Casing is located +1
ft. above (+) or below (-) ground surface

TOP OF WELL

(9) DIAMETER

7 in.

(10) LENGTH

102 ft.

(11) GROUT TYPE / SEALING

Bentonite

(12) GROUT / SEALING INTERVAL
(feet)

10' TO 102'

(13) MAKE & MATERIAL

SCREENS

(14) OPENINGS

(15) DIAMETER

in.

(16) LENGTH

ft.

(17) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING
(Feet)

YIELD TEST

(18) DATE

1/4/06

(19) DURATION OF TEST

1 hour

(20) LIFT METHOD

☐ Pump ☒ Air Lift ☐ Ball

(21) STABILIZED DISCHARGE (GPM)

20

(22) STATIC LEVEL PRIOR TO TEST
(feet/inches below top of casing)

(23) MAXIMUM DRAWDOWN (Stabilized)
(feet/inches below top of casing)

325'

(24) RECOVERY (Time in hours/minutes)

(25) Was the water produced during the test
discharged away from immediate area? Yes ☐ No ☒

PUMP INSTALLATION

(26) PUMP INSTALLED?

YES ☐ NO ☒

(27) DATE

(28) PUMP INSTALLER

(29) TYPE

(30) MAKE

(31) MODEL

(32) MAXIMUM CAPACITY (GPM)

(33) PUMP INSTALLATION LEVEL
FROM TOP OF CASING (Feet)

(34) METHOD OF DRILLING

☐ Rotary ☐ Cable Tool ☒ Other Art. Percussion

(35) USE OF WATER
(See instructions for choices)

Test

(36) DATE DRILLING WORK STARTED

1/4/06

(37) DATE DRILLING WORK COMPLETED

1/4/06

(38) DATE REPORT FILED

1/6/06

(39) REGISTERED COMPANY

Albert M. Hyatt + Sons

(40) DEC REGISTRATION NO.

NYRD 10194

(41) CERTIFIED DRILLER (Print name)

Rex Hyatt

(42) CERTIFIED DRILLER SIGNATURE

Rex Hyatt

* Show log of geologic materials encountered with depth below ground surface, water bearing beds and water levels in each; casings; screens; pump; additional pumping tests and other matters of interest, e.g., water quality (sulphur, salt, methane). Describe repair work. Attach separate sheet if necessary.

445'
BOTTOM OF HOLE

OWNER COPY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess
(2) TOWN Amenia

(3) DEC Well Number
DU 6848

WATER WELL COMPLETION REPORT

(4) OWNER <u>Higher Ground Country Club Management CO, LLC</u>		LOG * Ground Surface EL. _____ ft. above sea level	
(5) ADDRESS <u>P.O. Box 86 Route 22 Amenia, NY 12501</u>			
(6) LOCATION OF WELL (See Instructions On Reverse) Show Lat/Long if available and method used: <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Map Interpolation <u>N 41° 50.313 W 073° 34.383 Well #4</u> <u>Chazen Well #5</u>		Top Of Casing is located <u>+1</u> ft. above (+) or below (-) ground surface	
(7) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>465'</u>	(8) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>Flowing</u>	DATE MEASURED <u>1/6/06</u>	
CASINGS			
(9) DIAMETER <u>7 in.</u>	(10) LENGTH <u>61 ft.</u>	TOP OF WELL <u>0'-13' Soil</u> <u>13'-40' hardpan</u> <u>40'-230' Shale</u> <u>230'-235' Soft Fractured</u> <u>Caving Shale</u> <u>235'-465' Shale</u> <u>0-61' Steel Casing</u> <u>61'-465' open hole</u>	
(11) GROUT TYPE / SEALING <u>Bentonite</u>	(12) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>61'</u>		
SCREENS			
(13) MAKE & MATERIAL	(14) OPENINGS		
(15) DIAMETER	(16) LENGTH		
(17) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(18) DATE <u>1/6/06</u>	(19) DURATION OF TEST <u>1 hour</u>		
(20) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Ball	(21) STABILIZED DISCHARGE (GPM) <u>20</u>		
(22) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)	(23) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>220'</u>		
(24) RECOVERY (Time in hours/minutes)	(25) Was the water produced during the test discharged away from immediate area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
PUMP INSTALLATION			
(26) PUMP INSTALLED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	(27) DATE	(28) PUMP INSTALLER	
(29) TYPE	(30) MAKE	(31) MODEL	
(32) MAXIMUM CAPACITY (GPM)	(33) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)		
(34) METHOD OF DRILLING <u>Compressed Air</u> <input type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Other <u>percussion</u>		(35) USE OF WATER (See instructions for choices) <u>Test</u>	
(36) DATE DRILLING WORK STARTED <u>1/5/06</u>	(37) DATE DRILLING WORK COMPLETED <u>1/6/06</u>		
(38) DATE REPORT FILED <u>1/7/06</u>	(39) REGISTERED COMPANY <u>Albert M. Hyatt + Sons</u>	(40) DEC REGISTRATION NO. <u>NYRD 10194</u>	
(41) CERTIFIED DRILLER (Print name) <u>Rex Hyatt</u>		(42) CERTIFIED DRILLER SIGNATURE <u>Rex Hyatt</u>	
* Show log of geologic materials encountered with depth below ground surface, water bearing beds and water levels in each; casings; screens; pump; additional pumping tests and other matters of interest, e.g., water quality (sulphur, salt, methane). Describe repair work. Attach			
		465' BOTTOM OF HOLE OWNER COPY	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess
(2) TOWN Amenia

(3) DEC Well Number

DU6849

WATER WELL COMPLETION REPORT

(4) OWNER
Higher Ground Country Club Management Co, LLC

(5) ADDRESS
P.O. Box 86 Route 22 Amenia, N.Y. 12501

(6) LOCATION OF WELL (See Instructions On Reverse)
Show Lat/Long if available and method used:
N 41° 50.300' W 073° 34.332' Well # 5
Chazen well 6
☒ GPS ☐ Map Interpolation

(7) DEPTH OF WELL BELOW LAND SURFACE (feet) 465'
(8) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) CVC Flowing DATE MEASURED 11/9/06

CASINGS

(9) DIAMETER 7 in.

(10) LENGTH 105 ft.

(11) GROUT TYPE / SEALING Bentonite
(12) GROUT / SEALING INTERVAL (feet) FROM 10' TO 105'

SCREENS

(13) MAKE & MATERIAL (14) OPENINGS

(15) DIAMETER

(16) LENGTH

(17) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)

YIELD TEST

(18) DATE 11/6/06 (19) DURATION OF TEST 1 hour

(20) LIFT METHOD ☐ Pump ☒ Air Lift ☐ Bail (21) STABILIZED DISCHARGE (GPM) 20

(22) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing) (23) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) 150'

(24) RECOVERY (Time in hours/minutes) (25) Was the water produced during the test discharged away from immediate area? Yes ☐ No ☒

PUMP INSTALLATION

(26) PUMP INSTALLED? YES ☐ NO ☒ (27) DATE (28) PUMP INSTALLER

(29) TYPE (30) MAKE (31) MODEL

(32) MAXIMUM CAPACITY (GPM) (33) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)

(34) METHOD OF DRILLING Compressed Air (35) USE OF WATER (See instructions for choices) Test

(36) DATE DRILLING WORK STARTED 11/6/06 (37) DATE DRILLING WORK COMPLETED 11/9/06

(38) DATE REPORT FILED 11/9/06 (39) REGISTERED COMPANY Albert M. Hyatt + Sons (40) DEC REGISTRATION NO. NYRD 10194

(41) CERTIFIED DRILLER (Print name) Rex Hyatt (42) CERTIFIED DRILLER SIGNATURE Rex Hyatt

* Show log of geologic materials encountered with depth below ground surface, water bearing beds and water levels in each; casings; screens; pump; additional pumping tests and other matters of interest e.g. water quality (sulfur, salt, methane). Describe...

LOG *

Ground Surface EL. _____ ft. above sea level

Top Of Casing is located + 2 ft. above (+) or below (-) ground surface

TOP OF WELL

0'-10' Soft Soil
10'-76' Hard pan
76'-150' Schist
150'-155' Fractured Water Bearing Caving Schist
155'-465' Schist

0'-105' Steel Casing
105'-465' open Hole

465'
BOTTOM OF HOLE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess
(2) TOWN Amenia

(3) DEC Well Number

DU 6854

WATER WELL COMPLETION REPORT

(4) OWNER Higher Ground Country Club Management Co, LLC

(5) ADDRESS P.O. Box 86 Route 22 Amenia, N.Y. 12501

(6) LOCATION OF WELL (See Instructions On Reverse)
Show Lat/Long if available and method used: N 41° 50.396 W 073° 34.198 well # 6
☒ GPS ☐ Map Interpolation Chazen well # 7

(7) DEPTH OF WELL BELOW LAND SURFACE (feet) 465' (8) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) Dry hole DATE MEASURED 1/11/06

CASINGS

(9) DIAMETER 7 in.

(10) LENGTH 41 ft.

(11) GROUT TYPE / SEALING Bentonite (12) GROUT / SEALING INTERVAL (feet) FROM 10' TO 41'

SCREENS

(13) MAKE & MATERIAL (14) OPENINGS

(15) DIAMETER in. | in. | in. | in.

(16) LENGTH ft. | ft. | ft. | in.

(17) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)

YIELD TEST

(18) DATE 1/10/06 (19) DURATION OF TEST 1 hour

(20) LIFT METHOD ☐ Pump ☒ Air Lift ☐ Ball (21) STABILIZED DISCHARGE (GPM) Dry hole

(22) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing) (23) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing)

(24) RECOVERY (Time in hours/minutes) (25) Was the water produced during the test discharged away from immediate area? Yes ☐ No ☐

PUMP INSTALLATION

(26) PUMP INSTALLED? YES ☐ NO ☒ (27) DATE 1/11/06 (28) PUMP INSTALLER Rex Hyatt

(29) TYPE (30) MAKE (31) MODEL

(32) MAXIMUM CAPACITY (GPM) (33) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)

(34) METHOD OF DRILLING Air Percussion (35) USE OF WATER (See instructions for choices) Test

(36) DATE DRILLING WORK STARTED 1/9/06 (37) DATE DRILLING WORK COMPLETED 1/10/06

(38) DATE REPORT FILED 1/11/06 (39) REGISTERED COMPANY Albert M. Hyatt + Sons (40) DEC REGISTRATION NO. NYRD 10194

(41) CERTIFIED DRILLER (Print name) Rex Hyatt (42) CERTIFIED DRILLER SIGNATURE Rex Hyatt

* Show log of geologic materials encountered with depth below ground surface, water bearing beds and water levels in each; casings; screens; pump; additional pumping tests and other matters of interest, e.g., water quality (sulphur, salt, methane). Describe repair work. Attach separate sheet if necessary.

LOG *

Ground Surface EL. _____ ft. above sea level

Top Of Casing is located +1 ft. above (+) or below (-) ground surface

TOP OF WELL

0'-17'
Clay Till
17'-465'
Shale

0'-41'
Steel Cas
41'-465'
open hole

465
BOTTOM OF HOLE

OWNER COPY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess
(2) TOWN Amenia

(3) DEC Well Number

DU 6855

WATER WELL COMPLETION REPORT

(4) OWNER

Higher Ground Country Club Management Co, LLC

(5) ADDRESS

P.O. Box 86 Route 22 Amenia, N.Y. 12501

(6) LOCATION OF WELL (See Instructions On Reverse)

Show Lat/Long if available and method used:

☒ GPS ☐ Map interpolation

N41°50.246 W 073°34.229 Well # 7

(7) DEPTH OF WELL BELOW LAND SURFACE (feet)

525'

(8) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet)

19'

DATE MEASURED

1/19/06

(9) DIAMETER

(10) LENGTH

(11) GROUT TYPE / SEALING

(12) GROUT / SEALING INTERVAL (feet) FROM TO

(13) MAKE & MATERIAL

(14) OPENINGS

(15) DIAMETER

7 in.

(16) LENGTH

41 ft.

(17) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)

YIELD TEST

(18) DATE

1/11/06

(19) DURATION OF TEST

1 hour

(20) LIFT METHOD

☐ Pump

☒ Air Lift

☐ Ball

(21) STABILIZED DISCHARGE (GPM)

7

(22) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)

(23) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing)

290'

(24) RECOVERY (Time in hours/minutes)

(25) Was the water produced during the test discharged away from immediate area? Yes ☐ No ☒

PUMP INSTALLATION

(26) PUMP INSTALLED?

YES ☐

NO ☒

(27) DATE

(28) PUMP INSTALLER

(29) TYPE

(30) MAKE

(31) MODEL

(32) MAXIMUM CAPACITY (GPM)

(33) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)

(34) METHOD OF DRILLING

☐ Rotary

☐ Cable Tool

☒ Other

(35) USE OF WATER

(See instructions for choices)

Test

(36) DATE DRILLING WORK STARTED

1/11/06

(37) DATE DRILLING WORK COMPLETED

1/11/06

(38) DATE REPORT FILED

1/12/06

(39) REGISTERED COMPANY

Albert M. Hyatt + Sons

(40) DEC REGISTRATION NO.

NYRD 10194

(41) CERTIFIED DRILLER (Print name)

Rex Hyatt

(42) CERTIFIED DRILLER SIGNATURE

Rex Hyatt

LOG *

Ground Surface EL. _____ ft. above sea level

Top Of Casing is located +1 ft. above (+) or below (-) ground surface.

TOP OF WELL

0'-9' Soft Clay
9'-28' Hardpan
28'-525' Shale
Water Bearing Fracture at 290'

0'-41' Steel Casing
41'-525' open hole in Bedrock

525' BOTTOM OF HOLE

OWNER COPY

* Show log of geologic materials encountered with depth below ground surface, water bearing beds and water levels in each; casings; screens; pump; additional pumping tests and other matters of interest, e.g., water quality (sulphur, salt, methane). Describe repair work. Attach separate sheet if necessary.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION



(1) COUNTY Dutchess
(2) TOWN Amenia

(3) DEC Well Number

DUG861

WATER WELL COMPLETION REPORT

(4) OWNER

Higher Ground Country Club Management Co, LLC

(5) ADDRESS

P.O. Box 86 Route 22 Amenia N.Y. 12501

(5) LOCATION OF WELL (See Instructions On Reverse)

Show Lat/Long if available and method used:

☒ GPS ☐ Map Interpolation

N 41° 49.530' W 073° 34.449' Well # 8

Chazen well # 9

(7) DEPTH OF WELL BELOW LAND SURFACE (feet)

405'

(8) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet)

40'

DATE MEASURED

1/24/06

(9) DIAMETER

7 in.

(10) LENGTH

102 ft.

(11) GROUT TYPE / SEALING

Bentonite

(12) GROUT / SEALING INTERVAL (feet)

FROM 10' TO 102'

(13) MAKE & MATERIAL

SCREENS

(14) OPENINGS

(15) DIAMETER

in.

(16) LENGTH

ft.

(17) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)

YIELD TEST

(18) DATE

1/24/06

(19) DURATION OF TEST

11 hours

(20) LIFT METHOD

☐ Pump

☒ Air Lift

☐ Bail

(21) STABILIZED DISCHARGE (GPM)

75

(22) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)

(23) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing)

250'

(24) RECOVERY (Time in hours/minutes)

(25) Was the water produced during the test discharged away from immediate area? Yes ☐ No ☒

PUMP INSTALLATION

(26) PUMP INSTALLED?

YES ☐

NO ☒

(27) DATE

(28) PUMP INSTALLER

(29) TYPE

(30) MAKE

(31) MODEL

(32) MAXIMUM CAPACITY (GPM)

(33) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)

(34) METHOD OF DRILLING

☐ Rotary

☐ Cable Tool

☒ Other

Air Percussion

(35) USE OF WATER

(See Instructions for choices)

Test

(36) DATE DRILLING WORK STARTED

1/19/06

(37) DATE DRILLING WORK COMPLETED

1/24/06

(38) DATE REPORT FILED

1/25/06

(39) REGISTERED COMPANY

Albert M. Hyatt + Sons

(40) DEC REGISTRATION NO.

NYRD 10194

(41) CERTIFIED DRILLER (Print name)

Rex Hyatt

(42) CERTIFIED DRILLER SIGNATURE

Rex Hyatt

* Show log of geologic materials encountered with depth below ground surface, water bearing beds and water levels in each; casings; screens; pump; additional pumping tests and other matters of interest, e.g., water quality (sulphur, salt, methane). Describe repair work. Attach separate sheet if necessary.

LOG *

Ground Surface EL. _____ ft. above sea level

Top Of Casing is located +1 ft. above (+) or below (-) ground surface

TOP OF WELL

0'-15' Clay Till
15'-95' Soft Schist
95'-230' Limestone
230'-270' Fractured Caving Limestone
270'-405' water bearing Limestone

0'-102' Steel Case
102'-405' open hole in Bedrock

405'
BOTTOM OF HOLE

OWNER COPY

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess
(2) TOWN Amenia

(3) DEC Well Number

DU 6864

WATER WELL COMPLETION REPORT

(4) OWNER

Higher Ground Country Club Management Co, LLC

(5) ADDRESS

P.O. Box 86 Route 22 Amenia, NY 12501

(6) LOCATION OF WELL (See Instructions On Reverse)

Show Lat/Long if available and method used:

☒ GPS ☐ Map Interpolation

N 41° 49.450' W 073° 34.440' Well # 9
Chazen Well # 10

(7) DEPTH OF WELL BELOW LAND SURFACE (feet)

465'

(8) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet)

30'

DATE MEASURED

1/27/06

(9) DIAMETER

7 in.

(10) LENGTH

62 ft.

(11) GROUT TYPE / SEALING

Bentonite

(12) GROUT / SEALING INTERVAL (feet)

10' TO 62'

(13) MAKE & MATERIAL

SCREENS

(14) OPENINGS

(15) DIAMETER

in.

(16) LENGTH

ft.

(17) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)

(Feet)

YIELD TEST

(18) DATE

1/25/06

(19) DURATION OF TEST

2 hours

(20) LIFT METHOD

☐ Pump

☒ Air Lift

☐ Ball

(21) STABILIZED DISCHARGE (GPM)

.5 1/2 GPM

(22) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)

(23) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing)

Bottom

(24) RECOVERY (Time in hours/minutes)

(25) Was the water produced during the test discharged away from immediate area? Yes ☐ No ☒

PUMP INSTALLATION

(26) PUMP INSTALLED?

YES

NO

(27) DATE

(28) PUMP INSTALLER

(29) TYPE

(30) MAKE

(31) MODEL

(32) MAXIMUM CAPACITY (GPM)

(33) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)

(34) METHOD OF DRILLING

☐ Rotary

☐ Cable Tool

☒ Other

percussive

(35) USE OF WATER

(See Instructions for choices)

Test

(36) DATE DRILLING WORK STARTED

1/25/06

(37) DATE DRILLING WORK COMPLETED

1/26/06

(38) DATE REPORT FILED

1/27/06

(39) REGISTERED COMPANY

Albert M. Hyatt + Sons

(40) DEC REGISTRATION NO.

NYRD 10194

(41) CERTIFIED DRILLER (Print name)

Rex Hyatt

(42) CERTIFIED DRILLER SIGNATURE

Rex Hyatt

LOG *

Ground Surface EL.

ft. above sea level

Top Of Casing is located +1 ft. above (+) or below (-) ground surface

TOP OF WELL

0'-40' Clay
40'-50 yellow ochre
50'-465' in Bedrock
0'-62' Steel Case
62'-465' open hole

465'
BOTTOM OF HOLE

* Show log of geologic materials encountered with depth below ground surface, water bearing beds and water levels in each; casings; screens; pump; additional pumping tests and other matters of interest, e.g., water quality (sulphur, salt, methane). Describe repair work. Attach

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess

(2) TOWN Amenia

(3) DEC Well Number

DL16869

WATER WELL COMPLETION REPORT

(4) OWNER

Higher Ground Country Club Management Co. LLC

(5) ADDRESS

P.O. Box 86 Route 22 Amenia N.Y. 12501 ~~well #10~~

(6) LOCATION OF WELL (See Instructions On Reverse)

Show Lat/Long if available and method used:

N 41° 49.640' W 073° 34.397' well #10

☒ GPS ☐ Map Interpolation

Chazen well #11

LOG *

Ground Surface EL. _____ ft. above sea level

Top Of Casing is located +1 ft. above (+) or below (-) ground surface

(7) DEPTH OF WELL BELOW LAND SURFACE (feet)

605'

(8) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet)

28'

DATE MEASURED

1/30/06

TOP OF WELL

(9) DIAMETER

7 in.

(10) LENGTH

225 ft.

(11) GROUT TYPE / SEALING

Gentonite

(12) GROUT / SEALING INTERVAL (feet)

10' TO 225'

(13) MAKE & MATERIAL

(14) OPENINGS

(15) DIAMETER

in.

(16) LENGTH

ft.

(17) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING

(Feet)

YIELD TEST

(18) DATE

1/27/06

(19) DURATION OF TEST

4 hours

(20) LIFT METHOD

☐ Pump

☒ Air Lift

☐ Ball

(21) STABILIZED DISCHARGE (GPM)

40

(22) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)

(23) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing)

Bottom

(24) RECOVERY (Time in hours/minutes)

(25) Was the water produced during the test discharged away from immediate area? Yes ☐ No ☒

PUMP INSTALLATION

(26) PUMP INSTALLED?

YES ☐

NO ☒

(27) DATE

(28) PUMP INSTALLER

(29) TYPE

(30) MAKE

(31) MODEL

(32) MAXIMUM CAPACITY (GPM)

(33) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)

(34) METHOD OF DRILLING

Air Percussion

☐ Rotary

☐ Cable Tool

☒ Other

(35) USE OF WATER

(See Instructions for choices)

Test

(36) DATE DRILLING WORK STARTED

1/27/06

(37) DATE DRILLING WORK COMPLETED

1/30/06

(38) DATE REPORT FILED

(39) REGISTERED COMPANY

2/1/06

Albert M. Hyatt + Sons

(40) DEC REGISTRATION NO.

NYRD 10194

(41) CERTIFIED DRILLER (Print name)

Rex Hyatt

(42) CERTIFIED DRILLER SIGNATURE

Rex Hyatt

* Show log of geologic materials encountered with depth below ground surface, water bearing beds and water levels in each; casings; screens; pump; additional pumping tests and other matters of interest, e.g., water quality (sulphur, salt, methane). Describe repair work. Attach separate sheet if necessary.

0'-190' hardpan
190'-220' rotten rock
220'-605' shale
0'-225' Steel Case
225'-605' open hole in Bedrock

605' BOTTOM OF HOLE

OWNER COPY

MPA High Risk

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess
(2) TOWN Amenia

(3) DEC Well Number

DU 6880

WATER WELL COMPLETION REPORT

(4) OWNER <u>Higher Ground Country Club Management Co, LLC</u>	
(5) ADDRESS <u>P.O. Box 86 Route 22 Amenia, NY 12501</u>	
(6) LOCATION OF WELL (See Instructions On Reverse) Show Lat/Long if available and method used: <u>N 41° 49.501 W 073° 34.280</u> <u>well #11</u> <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Map Interpolation <u>Chazen well #12</u>	
(7) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>465'</u>	(8) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>over</u> DATE MEASURED <u>2/1/06</u> <u>Flowing</u>
(9) DIAMETER <u>7 in.</u>	
(10) LENGTH <u>114 ft.</u>	
(11) GROUT TYPE / SEALING <u>Bentonite</u>	(12) GROUT / SEALING INTERVAL (feet) FROM <u>10</u> TO <u>114'</u>
(13) MAKE & MATERIAL	
(14) OPENINGS	
(15) DIAMETER <u>in.</u>	<u>in.</u>
(16) LENGTH <u>ft.</u>	<u>ft.</u>
(17) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)	
(18) DATE <u>2/1/06</u>	
(19) DURATION OF TEST <u>2 hours</u>	(20) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Bail
(21) STABILIZED DISCHARGE (GPM) <u>2</u>	(22) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)
(23) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>Bottom</u>	(24) RECOVERY (Time in hours/minutes)
(25) Was the water produced during the test discharged away from immediate area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
(26) PUMP INSTALLED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
(27) DATE	(28) PUMP INSTALLER
(29) TYPE	(30) MAKE
(31) MODEL	(32) MAXIMUM CAPACITY (GPM)
(33) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)	
(34) METHOD OF DRILLING <input type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Other <u>Air Percussion</u>	(35) USE OF WATER (See instructions for choices) <u>Test</u>
(36) DATE DRILLING WORK STARTED <u>1/30/06</u>	(37) DATE DRILLING WORK COMPLETED <u>2/2/06</u>
(38) DATE REPORT FILED <u>2/3/06</u>	(39) REGISTERED COMPANY <u>Albert M. Hyatt + Sons</u>
(40) DEC REGISTRATION NO. <u>NYRD 10194</u>	
(41) CERTIFIED DRILLER (Print name) <u>Rex Hyatt</u>	(42) CERTIFIED DRILLER SIGNATURE <u>Rex Hyatt</u>

LOG *

Ground Surface EL. _____ ft. above sea level

Top Of Casing is located +1 ft. above (+) or below (-) ground surface

TOP OF WELL

0'-60' wet clay
60'-70' Sand + Gravel
70'-75' hard pan
75-85 Sand + Gravel
85'-110' yellow ochre
110'-465' Limestone
0'-114' Steel Case
114'-465' open hole in Bedrock

465'
BOTTOM OF HOLE

OWNER COPY

* Show log of geologic materials encountered with depth below ground surface, water bearing beds and water levels in each; casings; screens; pump; additional pumping tests and other matters of interest, e.g., water quality (sulphur, salt, methane). Describe repair work. Attach separate sheet if necessary.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess(2) TOWN Armenia

WATER WELL COMPLETION REPORT

(3) DEC Well Number

DW 8651

(4) OWNER <u>Silo Ridge Ventures LLC</u>		(45) WELL LOG	
(5) ADDRESS <u>5021 Rt. 22 Armenia, NY 12501</u>		Depth to Bedrock <u>165</u> (ft. below land surface)	
(6) LOCATION OF WELL (See Instructions On Reverse) <u>Well # 17</u>		Ground Elevation _____ (ft. above sea level)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input type="checkbox"/> Map <u>41° 8' 28.3219 Lat 73° 57' 17.606</u>		Top of Casing <u>1</u> (ft. above (+) or below (-) land surface)	
(8) TAX MAP NO. <u>7066-00-732810</u>			
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>660'</u>		(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>2'</u>	
		DATE MEASURED <u>4/11/14</u>	
CASINGS			
(11) DIAMETER <u>7</u> in. in.			
(12) LENGTH <u>180</u> ft. in.			
(13) GROUT TYPE / SEALING <u>Bentonite</u>		(14) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>180'</u>	
SCREENS			
(15) MAKE & MATERIAL		(16) OPENINGS	
(17) DIAMETER in. in.			
(18) LENGTH ft. in.			
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(20) DATE <u>4/9/14</u>		(21) DURATION OF TEST <u>3 hours</u>	
(22) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Bailor		(23) STABILIZED DISCHARGE (GPM) <u>Less Than 1</u>	
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)		(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>Bottom of well</u>	
(26) RECOVERY (Time in hours/minutes)		(27) Was the water produced during the test discharged away from immediate area? Yes _____ No _____	
PUMP INSTALLATION			
(28) PUMP INSTALLED? YES _____ NO <input checked="" type="checkbox"/>		(29) DATE	
(30) PUMP INSTALLER		(31) TYPE	
(32) MAKE		(33) MODEL	
(34) MAXIMUM CAPACITY (GPM)		(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)	
DRILLER INFORMATION			
(36) METHOD OF DRILLING <u>Air Percussion</u> <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other		(37) USE OF WATER (See Instructions for choices) <u>Test Well / Public Supply</u>	
(38) DATE DRILLING WORK STARTED <u>4/7/14</u>		(39) DATE DRILLING WORK COMPLETED <u>4/9/14</u>	
(40) DATE REPORT FILED <u>4/12/14</u>		(41) REGISTERED COMPANY <u>Albert M. Hyatt + Sons</u>	
(42) DEC REGISTRATION NO. <u>NYRD 10194</u>		(43) CERTIFIED DRILLER (Print name) <u>M. Hyatt</u>	
(44) CERTIFIED DRILLER SIGNATURE <u>M. Hyatt</u>			
<p>* By signing this document I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45.</p>			
10/2011			

0'-20'
Sand +
Gravel
20'-50'
Soft wet
Clay
50'-65'
Hardpan
65'-165'
Yellow ochre
165'-660'
Black Marls

660'
BOTTOM OF HOLE

OTHER

LOCATION SKETCH - Indicate north

(1) COUNTY Dutchess(2) TOWN Amenia

(3) DEC Well Number

D48652

WATER WELL COMPLETION REPORT

(4) OWNER <u>Silo Ridge Ventures LLC</u>		(45) WELL LOG	
(5) ADDRESS <u>5021 Rt 22 Amenia, NY 12501</u>		Depth to Bedrock <u>150</u> (ft. below land surface)	
(6) LOCATION OF WELL (See Instructions On Reverse) <u>WELL # 18</u>		Ground Elevation _____ (ft. above sea level)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input type="checkbox"/> Map <u>44° 82' 40" N 73° 57' 30" W</u>		Top of Casing <u>+4</u> (ft. above (+) or below (-) land surface)	
(8) TAX MAP NO. <u>7066-00-732810</u>			
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>660'</u>			
(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet)			
(11) CASINGS			
(11) DIAMETER <u>7</u> in.			
(12) LENGTH <u>160</u> ft.			
(13) GROUT TYPE / SEALING <u>Bentonite</u>			
(14) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>160'</u>			
(15) MAKE & MATERIAL			
(16) OPENINGS			
(17) DIAMETER in.			
(18) LENGTH ft.			
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
(20) YIELD TEST			
(20) DATE <u>4/9/14</u>		(21) DURATION OF TEST <u>3 hours</u>	
(22) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Bailor		(23) STABILIZED DISCHARGE (GPM) <u>4 GPM</u>	
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)		(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>Bottom</u>	
(26) RECOVERY (Time in hours/minutes)		(27) Was the water produced during the test discharged away from immediate area? Yes _____ No _____	
(28) PUMP INSTALLATION			
(28) PUMP INSTALLED? YES _____ NO <u>✓</u>		(29) DATE	
(31) TYPE		(32) MAKE	
(34) MAXIMUM CAPACITY (GPM)		(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)	
(36) DRILLER INFORMATION			
(36) METHOD OF DRILLING <u>Air Percussion</u> <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other		(37) USE OF WATER (See instructions for choices) <u>Test Well</u> <u>Public Supply</u>	
(38) DATE DRILLING WORK STARTED <u>4/8/14</u>		(39) DATE DRILLING WORK COMPLETED <u>4/9/14</u>	
(40) DATE REPORT FILED <u>4/12/14</u>		(41) REGISTERED COMPANY <u>Albert M. Hyatt + Sons</u>	
(42) DEC REGISTRATION NO. <u>NYRD 10194</u>			
(43) CERTIFIED DRILLER (Print name) <u>Rev Hyatt</u>		(44) CERTIFIED DRILLER SIGNATURE <u>Rev Hyatt</u>	
<p>* By signing this document I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45.</p>			
		<p>660'</p> <p>BOTTOM OF HOLE</p>	
		OTHER	

LOCATION SKETCH - Indicate north

(1) COUNTY Dutchess(2) TOWN Amenia

(3) DEC Well Number

DL 8653

WATER WELL COMPLETION REPORT

(4) OWNER <u>Silo Ridge Ventures LLC</u>		(45) WELL LOG	
(5) ADDRESS <u>5621 Rt. 22 Amenia NY 12501</u>		Depth to Bedrock <u>58</u> (ft. below land surface)	
(6) LOCATION OF WELL (See Instructions On Reverse) <u>well #19</u>		Ground Elevation _____ (ft. above sea level)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input type="checkbox"/> Map <u>41° 82' 26.84" 73° 57' 11.83"</u>		Top of Casing <u>+1</u> (ft. above (+) or below (-) land surface)	
(8) TAX MAP NO. <u>7066-00-732810</u>			
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>560'</u>	(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>8'</u>	DATE MEASURED <u>4/11/14</u>	
CASINGS			
(11) DIAMETER <u>7</u> in.		0'-50' Hardpan 50'-58' Gravel 58'-560' Black Marble	
(12) LENGTH <u>65</u> ft.			
(13) GROUT TYPE / SEALING <u>Beatonite</u>	(14) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>65'</u>		
SCREENS			
(15) MAKE & MATERIAL	(16) OPENINGS		
(17) DIAMETER in.			
(18) LENGTH ft.			
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(20) DATE <u>4/11/14</u>	(21) DURATION OF TEST <u>3 hours</u>		
(22) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Bailor	(23) STABILIZED DISCHARGE (GPM) <u>18 GPM</u>		
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)	(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>Bottom of Hole</u>		
(26) RECOVERY (Time in hours/minutes)	(27) Was the water produced during the test discharged away from immediate area? Yes _____ No _____		
PUMP INSTALLATION			
(28) PUMP INSTALLED? YES _____ NO <input checked="" type="checkbox"/>	(29) DATE	(30) PUMP INSTALLER	
(31) TYPE	(32) MAKE	(33) MODEL	
(34) MAXIMUM CAPACITY (GPM)	(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)		
DRILLER INFORMATION			
(36) METHOD OF DRILLING <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other <u>Air Percussion</u>	(37) USE OF WATER (See instructions for choices) <u>Test Well Public Supply</u>		
(38) DATE DRILLING WORK STARTED <u>4/9/14</u>	(39) DATE DRILLING WORK COMPLETED <u>4/11/14</u>		
(40) DATE REPORT FILED <u>4/12/14</u>	(41) REGISTERED COMPANY <u>Albert M. Hyatt + Sons</u>	(42) DEC REGISTRATION NO. <u>NYRD-10194</u>	
(43) CERTIFIED DRILLER (Print name) <u>Milton Hyatt</u>		(44) CERTIFIED DRILLER SIGNATURE <u>Milton Hyatt</u>	
* By signing this document, I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45.			
10/2011			
TOP OF WELL 560' BOTTOM OF HOLE OTHER			

LOCATION SKETCH - Indicate north

(1) COUNTY Dutchess(2) TOWN Amenia

WATER WELL COMPLETION REPORT

(3) DEC Well Number

DL 8654

(4) OWNER <u>Silo Ridge Ventures LLC</u>		(45) WELL LOG	
(5) ADDRESS <u>5021 Rt 22 Amenia, NY 12501</u>		Depth to Bedrock <u>1</u> (ft. below land surface)	
(6) LOCATION OF WELL (See Instructions On Reverse) <u>Well #20</u> (Check here <input type="checkbox"/> if address is same as above)		Ground Elevation _____ (ft. above sea level)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input type="checkbox"/> Map <u>41° 8' 27.2" 73° 57' 22.7" 7066-00-732810</u>		Top of Casing _____ (ft. above (+) or below (-) land surface)	
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>560'</u>		(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>19'</u> DATE MEASURED <u>4/10/14</u>	
CASINGS			
(11) DIAMETER <u>7 in.</u>		(12) LENGTH <u>58 ft.</u>	
(13) GROUT TYPE / SEALING <u>Bentonite</u>		(14) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>58'</u>	
SCREENS			
(15) MAKE & MATERIAL		(16) OPENINGS	
(17) DIAMETER <u>in.</u>		(18) LENGTH <u>ft.</u>	
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(20) DATE <u>4/10/14</u>		(21) DURATION OF TEST <u>3 hours</u>	
(22) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Bailor		(23) STABILIZED DISCHARGE (GPM) <u>4 GPM</u>	
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)		(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>Bottom of well</u>	
(26) RECOVERY (Time in hours/minutes)		(27) Was the water produced during the test discharged away from immediate area? Yes _____ No _____	
PUMP INSTALLATION			
(28) PUMP INSTALLED? YES _____ NO <input checked="" type="checkbox"/>		(29) DATE	
(31) TYPE		(32) MAKE	
(34) MAXIMUM CAPACITY (GPM)		(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)	
DRILLER INFORMATION			
(36) METHOD OF DRILLING <u>Air Percussion</u> <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other		(37) USE OF WATER (See Instructions for choices) <u>Test Well Public Supply</u>	
(38) DATE DRILLING WORK STARTED <u>4/9/14</u>		(39) DATE DRILLING WORK COMPLETED <u>4/10/14</u>	
(40) DATE REPORT FILED <u>4/12/14</u>		(41) REGISTERED COMPANY <u>Albert M. Hyatt & Sons</u>	
(43) CERTIFIED DRILLER (Print name) <u>Rex Hyatt</u>		(44) CERTIFIED DRILLER SIGNATURE <u>Rex Hyatt</u>	
<p>* By signing this document I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45.</p>			
		TOP OF WELL 0-1 Soil 1'-48' White Marble 48'-52' Fracture with Lost Circulation 52'-120' white Marble 120'-560' Black Marble 560' BOTTOM OF HOLE	
		OTHER	

LOCATION SKETCH - Indicate north

(1) COUNTY Dutchess(2) TOWN Amenia

(3) DEC Well Number

DU 8655

WATER WELL COMPLETION REPORT

(4) OWNER <u>Silo Ridge Ventures LLC</u>		(46) WELL LOG	
(5) ADDRESS <u>5021 Rt 22 Amenia, NY 12501</u>		Depth to Bedrock <u>32</u> (ft. below land surface)	
(8) LOCATION OF WELL (See Instructions On Reverse) <u>Well #21</u>		Ground Elevation _____ (ft. above sea level)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input type="checkbox"/> Map <u>41° 8' 38.5708 73° 56' 76.727</u>		Top of Casing <u>+L</u> (ft. above (+) or below (-) land surface)	
(8) TAX MAP NO. <u>7066-10-732811</u>			
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>600'</u>	(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>8'</u>	DATE MEASURED <u>4/25/14</u>	
CASINGS			
(11) DIAMETER <u>7 in.</u>	<u>in.</u>	<u>in.</u>	<u>in.</u>
(12) LENGTH <u>50 ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>in.</u>
(13) GROUT TYPE / SEALING <u>Bentonite</u>	(14) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>50'</u>		
SCREENS			
(15) MAKE & MATERIAL	(16) OPENINGS		
(17) DIAMETER <u>in.</u>	<u>in.</u>	<u>in.</u>	<u>in.</u>
(18) LENGTH <u>ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>in.</u>
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(20) DATE <u>4/17/14</u>	(21) DURATION OF TEST <u>3 hours</u>		
(22) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Bailor	(23) STABILIZED DISCHARGE (GPM) <u>2</u>		
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)	(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>Bottom of hole</u>		
(26) RECOVERY (Time in hours/minutes)	(27) Was the water produced during the test discharged away from immediate area? Yes _____ No _____		
PUMP INSTALLATION			
(28) PUMP INSTALLED? YES _____ NO <input checked="" type="checkbox"/>	(29) DATE	(30) PUMP INSTALLER	
(31) TYPE	(32) MAKE	(33) MODEL	
(34) MAXIMUM CAPACITY (GPM)	(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)		
DRILLER INFORMATION			
(36) METHOD OF DRILLING <input type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Other <u>Aug Percussion</u>	(37) USE OF WATER (See Instructions for choices) <u>Test Well</u>		
(38) DATE DRILLING WORK STARTED <u>4/16/14</u>	(39) DATE DRILLING WORK COMPLETED <u>4/17/14</u>		
(40) DATE REPORT FILED <u>4/25/14</u>	(41) REGISTERED COMPANY <u>Alb-rt M. Hyatt & Sons</u>	(42) DEC REGISTRATION NO. <u>NYRD 10194</u>	
(43) CERTIFIED DRILLER (Print name) <u>Rev Hyatt</u>		(44) CERTIFIED DRILLER SIGNATURE <u>Rev Hyatt</u>	
<p>* By signing this document I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45.</p>			
10/2011			

TOP OF WELL

0'-30'
Hard pan
30'-440'
Shale
440'-600'
Block Marl

600
BOTTOM OF HOLE

OTHER

LOCATION SKETCH - Indicate north

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess(2) TOWN Amenia

(3) DEC Well Number

D4 8656

WATER WELL COMPLETION REPORT

(4) OWNER <u>Silo Ridge Ventures LLC</u>		(45) WELL LOG	
(5) ADDRESS <u>5021 Rt 22 Amenia, NY 12501</u>		Depth to Bedrock <u>32</u> (ft. below land surface)	
(6) LOCATION OF WELL (See Instructions On Reverse) <u>Well # 22</u>		Ground Elevation _____ (ft. above sea level)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input type="checkbox"/> Map <u>41° 8' 38.6163 73° 5' 73.296</u>		Top of Casing <u>±1</u> (ft. above (+) or below (-) land surface)	
(8) TAX MAP NO. <u>7066-00-670717</u>			
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>600'</u>	(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>3'</u>	DATE MEASURED <u>4/23/14</u>	
CASINGS			
(11) DIAMETER <u>7 in.</u>	<u>in.</u>	<u>in.</u>	<u>in.</u>
(12) LENGTH <u>50 ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>in.</u>
(13) GROUT TYPE / SEALING <u>Bedtomite</u>	(14) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>50'</u>		
SCREENS			
(15) MAKE & MATERIAL	(16) OPENINGS		
(17) DIAMETER <u>in.</u>	<u>in.</u>	<u>in.</u>	<u>in.</u>
(18) LENGTH <u>ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>in.</u>
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(20) DATE	(21) DURATION OF TEST		
(22) LIFT METHOD <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift <input type="checkbox"/> Sailer	(23) STABILIZED DISCHARGE (GPM)		
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)	(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing)		
(26) RECOVERY (Time in hours/minutes)	(27) Was the water produced during the test discharged away from immediate area? Yes _____ No _____		
PUMP INSTALLATION			
(28) PUMP INSTALLED? YES _____ NO _____	(29) DATE	(30) PUMP INSTALLER	
(31) TYPE	(32) MAKE	(33) MODEL	
(34) MAXIMUM CAPACITY (GPM)	(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)		
DRILLER INFORMATION			
(36) METHOD OF DRILLING <input type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Other <u>Air Percussion</u>	(37) USE OF WATER (See instructions for choices) <u>Test</u>		
(38) DATE DRILLING WORK STARTED <u>4/18/14</u>	(39) DATE DRILLING WORK COMPLETED <u>4/23/14</u>		
(40) DATE REPORT FILED <u>4/26/14</u>	(41) REGISTERED COMPANY <u>Albert M. Hyatt + Sons</u>	(42) DEC REGISTRATION NO. <u>NYRD 10194</u>	
(43) CERTIFIED DRILLER (Print name) <u>M. Ben Hyatt</u>		(44) CERTIFIED DRILLER SIGNATURE <u>M. Ben Hyatt</u>	
<p>* By signing this document, I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45.</p>			

0-10'
wet gravel
10'-32'
Hard pan
32'-240'
Soft shale
240'-265'
Real soft caving
shale with water
265'-600'
Shale

600'
BOTTOM OF HOLE

OTHER

LOCATION SKETCH - Indicate north

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess(2) TOWN Amenia

(3) DEC Well Number

Du 8657

WATER WELL COMPLETION REPORT

(4) OWNER <u>Silo Ridge Ventures LLC</u>		(45) WELL LOG	
(5) ADDRESS <u>5021 Route 22 Amenia, NY 12501</u>		Depth to Bedrock <u>36</u> (ft. below land surface)	
(6) LOCATION OF WELL (See Instructions On Reverse) <u>Well # 23</u> (Check here <input type="checkbox"/> if address is same as above)		Ground Elevation _____ (ft. above sea level)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input type="checkbox"/> Map <u>41° 8229123 73° 5700593</u>		Top of Casing <u>+2</u> (ft. above (+) or below (-) land surface)	
(8) TAX MAP NO. <u>7066-00-670717</u>			
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>180'</u>		(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) DATE MEASURED	
CASINGS			
(11) DIAMETER <u>7</u> in.		(12) LENGTH <u>50</u> ft.	
(13) GROUT TYPE / SEALING <u>Bentonite</u>		(14) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>50'</u>	
SCREENS			
(15) MAKE & MATERIAL		(16) OPENINGS	
(17) DIAMETER in.		(18) LENGTH ft.	
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(20) DATE		(21) DURATION OF TEST	
(22) LIFT METHOD <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift <input type="checkbox"/> Bailor		(23) STABILIZED DISCHARGE (GPM) <u>Mud (No water of quality)</u>	
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)		(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing)	
(26) RECOVERY (Time in hours/minutes)		(27) Was the water produced during the test discharged away from immediate area? Yes _____ No _____	
PUMP INSTALLATION			
(28) PUMP INSTALLED? YES _____ NO <input checked="" type="checkbox"/>		(29) DATE	
(31) TYPE		(32) MAKE	
(34) MAXIMUM CAPACITY (GPM)		(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)	
DRILLER INFORMATION			
(36) METHOD OF DRILLING <input type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Other <u>Air Percussion</u>		(37) USE OF WATER (See instructions for choices) <u>Test</u>	
(38) DATE DRILLING WORK STARTED <u>4/17/14</u>		(39) DATE DRILLING WORK COMPLETED <u>4/17/14</u>	
(40) DATE REPORT FILED <u>4/19/14</u>		(41) REGISTERED COMPANY <u>Albert M. Hyatt + Son</u>	
(42) DEC REGISTRATION NO. <u>NYRD 10194</u>		(43) CERTIFIED DRILLER (Print name) <u>Milton Hyatt</u>	
(44) CERTIFIED DRILLER SIGNATURE <u>Milton Hyatt</u>			
* By signing this document I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45.			
10/2011			

0-30'
Clay Till
30'-35'
wet gravel
35'-135'
Black Marble
135'-180'
Yellow Coker

180'
BOTTOM OF HOLE

OTHER

LOCATION SKETCH - Indicate north

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess(2) TOWN Amenia

(3) DEC Well Number

DU 8658

WATER WELL COMPLETION REPORT

(4) OWNER <u>Silo Ridge Ventures LLC</u>		(45) WELL LOG	
(5) ADDRESS <u>5021 Rt 22 Amenia, NY 12501</u>		Depth to Bedrock <u>22'</u> (ft. below land surface)	
(6) LOCATION OF WELL (See Instructions On Reverse) <u>Well # 24</u> (Check here <input type="checkbox"/> if address is same as above)		Ground Elevation _____ (ft. above sea level)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input type="checkbox"/> Map <u>41° 83' 52.27" 73° 57' 16.29"</u>		Top of Casing <u>+1'</u> (ft. above (+) or below (-) land surface)	
(8) TAX MAP NO. <u>7066-00-732810</u>			
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>500'</u>	(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>29'</u>	DATE MEASURED <u>4/22/14</u>	
CASINGS			
(11) DIAMETER <u>7 in.</u>	<u>in.</u>	<u>in.</u>	<u>in.</u>
(12) LENGTH <u>50 ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>in.</u>
(13) GROUT TYPE / SEALING <u>Portland</u>	(14) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>50'</u>		
SCREENS			
(15) MAKE & MATERIAL	(16) OPENINGS		
(17) DIAMETER <u>in.</u>	<u>in.</u>	<u>in.</u>	<u>in.</u>
(18) LENGTH <u>ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>in.</u>
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(20) DATE <u>4/21/14</u>	(21) DURATION OF TEST <u>3 hours</u>		
(22) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Balloer	(23) STABILIZED DISCHARGE (GPM) <u>1 GPM</u>		
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)	(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>Bottom of hole</u>		
(26) RECOVERY (Time in hours/minutes)	(27) Was the water produced during the test discharged away from immediate area? Yes _____ No _____		
PUMP INSTALLATION			
(28) PUMP INSTALLED? YES _____ NO <u>✓</u>	(29) DATE	(30) PUMP INSTALLER	
(31) TYPE	(32) MAKE	(33) MODEL	
(34) MAXIMUM CAPACITY (GPM)	(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)		
DRILLER INFORMATION			
(36) METHOD OF DRILLING <input type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> <u>Ag Recussion</u> <input type="checkbox"/> Other	(37) USE OF WATER (See instructions for choices) <u>Test</u>		
(38) DATE DRILLING WORK STARTED <u>4/21/14</u>	(39) DATE DRILLING WORK COMPLETED <u>4/22/14</u>		
(40) DATE REPORT FILED <u>4/26/14</u>	(41) REGISTERED COMPANY <u>Allen M Hyatt + Sons</u>	(42) DEC REGISTRATION NO. <u>NYRD 10194</u>	
(43) CERTIFIED DRILLER (Print name) <u>Milton Hyatt</u>	(44) CERTIFIED DRILLER SIGNATURE <u>Milton Hyatt</u>		
<p>* By signing this document I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45.</p>			
10/2011			

TOP OF WELL

0'-22'

Clay Till

22'-500'

Shale Rock

500'

BOTTOM OF HOLE

OTHER

LOCATION SKETCH - Indicate north

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess(2) TOWN Amenia

(3) DEC Well Number

DU 8667

WATER WELL COMPLETION REPORT

(4) OWNER <u>Silo Ridge Ventures LLC</u>		(45) WELL LOG	
(5) ADDRESS <u>5021 Route 22 Amenia, NY 12501</u>		Depth to Bedrock <u>59</u> (ft. below land surface)	
(6) LOCATION OF WELL (See Instructions On Reverse) <u>Well # 25</u> (Check here <input type="checkbox"/> if address is same as above)		Ground Elevation _____ (ft. above sea level)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input type="checkbox"/> Map <u>41° 8' 25.9001 73° 57' 05.718</u>		Top of Casing <u>+1</u> (ft. above (+) or below (-) land surface)	
(8) TAX MAP NO. <u>7066-00-670717</u>			
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>600'</u>	(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>8'</u>	DATE MEASURED <u>4/25/14</u>	
CASINGS			
(11) DIAMETER <u>7</u> in.	in.	in.	in.
(12) LENGTH <u>61</u> ft.	ft.	ft.	in.
(13) GROUT TYPE / SEALING	(14) GROUT / SEALING INTERVAL (feet) FROM _____ TO _____		
SCREENS			
(15) MAKE & MATERIAL	(16) OPENINGS		
(17) DIAMETER in.	in.	in.	in.
(18) LENGTH ft.	ft.	ft.	in.
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(20) DATE <u>4/25/14</u>	(21) DURATION OF TEST <u>4 hours</u>		
(22) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Boiler	(23) STABILIZED DISCHARGE (GPM) <u>35</u>		
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)	(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>63'</u>		
(26) RECOVERY (Time in hours/minutes)	(27) Was the water produced during the test discharged away from immediate area? Yes _____ No <input checked="" type="checkbox"/>		
PUMP INSTALLATION			
(28) PUMP INSTALLED? YES _____ NO _____	(29) DATE	(30) PUMP INSTALLER	
(31) TYPE	(32) MAKE	(33) MODEL	
(34) MAXIMUM CAPACITY (GPM)	(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)		
DRILLER INFORMATION			
(36) METHOD OF DRILLING <input type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Other <u>Aug Percussion</u>	(37) USE OF WATER (See instructions for choices) <u>Test</u>		
(38) DATE DRILLING WORK STARTED <u>4/23/14</u>	(39) DATE DRILLING WORK COMPLETED <u>4/25/14</u>		
(40) DATE REPORT FILED <u>4/26/14</u>	(41) REGISTERED COMPANY <u>Albert M. Hyatt & Son</u>	(42) DEC REGISTRATION NO. <u>NYRD 10194</u>	
(43) CERTIFIED DRILLER (Print name) <u>Miller Hyatt</u>		(44) CERTIFIED DRILLER SIGNATURE <u>Miller Hyatt</u>	
<p>* By signing this document I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45.</p>			
10/2011			
<div style="display: flex; justify-content: space-between;"> <div> <p>TOP OF WELL</p> <p>0-25'</p> <p>Sand + Gravel</p> <p>25'-59'</p> <p>Hardpan</p> <p>59'-79'</p> <p>Dolomite Limestone</p> <p>79'-132' caving</p> <p>Fractured Broken Limestone</p> <p>132'-600'</p> <p>Dolomite Limestone</p> </div> <div> <p>BOTTOM OF HOLE</p> <p>600'</p> </div> </div>			
OTHER			

LOCATION SKETCH - Indicate north

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess(2) TOWN Amenia

(3) DEC Well Number

DU 8668

WATER WELL COMPLETION REPORT

(4) OWNER <u>Silo Ridge Ventures LLC</u>		(45) WELL LOG	
(5) ADDRESS <u>5021 Rt 22 Amenia, NY 12501</u>		Depth to Bedrock <u>0</u> (ft. below land surface)	
(6) LOCATION OF WELL (See Instructions On Reverse) <u>Well # 26</u> (Check here <input type="checkbox"/> if address is same as above)		Ground Elevation _____ (ft. above sea level)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input type="checkbox"/> Map <u>41° 8355546 73° 5734031</u>		Top of Casing _____ (ft. above (+) or below (-) land surface)	
(8) TAX MAP NO. <u>7066-00-670717</u>			
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>660'</u>	(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>90'</u>	DATE MEASURED <u>4/25/14</u>	
CASINGS			
(11) DIAMETER <u>7 in.</u>	<u>in.</u>	<u>in.</u>	<u>in.</u>
(12) LENGTH <u>50 ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>in.</u>
(13) GROUT TYPE / SEALING <u>Bentonite</u>	(14) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>50'</u>		
SCREENS			
(15) MAKE & MATERIAL	(16) OPENINGS		
(17) DIAMETER <u>in.</u>	<u>in.</u>	<u>in.</u>	<u>in.</u>
(18) LENGTH <u>ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>in.</u>
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(20) DATE <u>4/25/14</u>	(21) DURATION OF TEST <u>3 hours</u>		
(22) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Dailer	(23) STABILIZED DISCHARGE (GPM) <u>10</u>		
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)	(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>Bottom of hole</u>		
(26) RECOVERY (Time in hours/minutes)	(27) Was the water produced during the test discharged away from immediate area? Yes _____ No <input checked="" type="checkbox"/>		
PUMP INSTALLATION			
(28) PUMP INSTALLED? YES _____ NO <input checked="" type="checkbox"/>	(29) DATE	(30) PUMP INSTALLER	
(31) TYPE	(32) MAKE	(33) MODEL	
(34) MAXIMUM CAPACITY (GPM)	(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)		
DRILLER INFORMATION			
(36) METHOD OF DRILLING <input type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Other <u>Air Percussion</u>	(37) USE OF WATER (See instructions for choices) <u>Test</u>		
(38) DATE DRILLING WORK STARTED <u>4/24/14</u>	(39) DATE DRILLING WORK COMPLETED <u>4/25/14</u>		
(40) DATE REPORT FILED <u>4/26/14</u>	(41) REGISTERED COMPANY <u>Albert M. Hyatt & Sons</u>	(42) DEC REGISTRATION NO. <u>NYRD 10194</u>	
(43) CERTIFIED DRILLER (Print name) <u>Rex Hyatt</u>	(44) CERTIFIED DRILLER SIGNATURE <u>Rex Hyatt</u>		
<p>* By signing this document, I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45.</p>			
10/2011			

TOP OF WELL

0'-660'

Shale

660'

BOTTOM OF HOLE

OTHER

LOCATION SKETCH - Indicate north

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY

Dutchess

(2) TOWN

Amenia

WATER WELL COMPLETION REPORT

(3) DEC Well Number

DU 8674

(4) OWNER

Silo Ridge Ventures LLC

(5) ADDRESS

5021 Rt 22 Amenia, NY 12501

(6) LOCATION OF WELL (See Instructions On Reverse)

Well # 27(Check here ☐ if address is same as above)

(7) LATITUDE/LONGITUDE AND METHOD USED

☒ GPS ☐ MapN 41° 49.873' W 073° 34.480'

(8) TAX MAP NO.

7086-00-670717

(9) DEPTH OF WELL BELOW

LAND SURFACE (feet)

500'

(10) DEPTH TO GROUNDWATER

BELOW LAND SURFACE (feet)

10'

DATE MEASURED

5/28/14

CASINGS

(11) DIAMETER

7 in.fr. 235' - 298'5 in.

in.

in.

(12) LENGTH

235 ft.63 ft.

ft.

in.

(13) GROUT TYPE / SEALING

Benitonte

(14) GROUT / SEALING INTERVAL

(feet)

FROM

10'

TO

235'

SCREENS

(15) MAKE & MATERIAL

(16) OPENINGS

(17) DIAMETER

in.

in.

in.

in.

(18) LENGTH

ft.

ft.

ft.

in.

(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)

YIELD TEST

(20) DATE

5/28/14

(21) DURATION OF TEST

6 hours

(22) LIFT METHOD

☐ Pump☒ Air Lift☐ Bailor

(23) STABILIZED DISCHARGE (GPM)

8

(24) STATIC LEVEL PRIOR TO TEST

(feet/inches below top of casing)

(25) MAXIMUM DRAWDOWN (Stabilized)

(feet/inches below top of casing)

Bottom of hole

(26) RECOVERY (Time in hours/minutes)

(27) Was the water produced during the test

discharged away from immediate area? Yes ☐ No ☒

PUMP INSTALLATION

(28) PUMP INSTALLED?

YES ☐NO ☒

(29) DATE

(30) PUMP INSTALLER

(31) TYPE

(32) MAKE

(33) MODEL

(34) MAXIMUM CAPACITY (GPM)

(35) PUMP INSTALLATION LEVEL

FROM TOP OF CASING (Feet)

DRILLER INFORMATION

(36) METHOD OF DRILLING

☐ Rotary ☐ Cable Tool ☒ OtherAir Percussion

(37) USE OF WATER

(See instructions for choices)

Test

(38) DATE DRILLING WORK STARTED

4/29/14

(39) DATE DRILLING WORK COMPLETED

5/8/14

(40) DATE REPORT FILED

(41) REGISTERED COMPANY

Albert M. Hyatt + Sons

(42) DEC REGISTRATION NO.

NYRD 10194

(43) CERTIFIED DRILLER (Print name)

M. Han Hyatt

(44) CERTIFIED DRILLER SIGNATURE

Milton Hyatt

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10/2011

(45) WELL LOG

Depth to Bedrock 239' (ft. below land surface)

Ground Elevation _____ (ft. above sea level)

Top of Casing +2 (ft. above (+) or below (-) land surface)

TOP OF WELL

0' - 15'Wet sand + Gravel15' - 115'hardpan115' - 233'Soft sandstone233' - 240'hard shellof Limestone240' - 270'Soft coveringWet sandstone270' - 500'Shale

500'

BOTTOM OF HOLE

OTHER

LOCATION SKETCH - Indicate north

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

(1) COUNTY Dutchess(2) TOWN Amenia

(3) DEC Well Number

DU 8679

WATER WELL COMPLETION REPORT

(4) OWNER <u>Silo Ridge Ventures LLC</u>	
(5) ADDRESS <u>5021 Rt. 22 Amenia, NY 12501</u>	
(6) LOCATION OF WELL (See Instructions On Reverse) <u>Well #28</u> (Check here <input type="checkbox"/> if address is same as above)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Map <u>N 41° 49.559' W 073° 34.400'</u>	(8) TAX MAP NO. <u>7066-00-670717</u>
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>540'</u>	(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>70'</u> DATE MEASURED <u>5/15/14</u>
CASINGS	
(11) DIAMETER <u>7</u> in.	(12) LENGTH <u>200</u> ft.
(13) GROUT TYPE / SEALING <u>Bestenite</u>	(14) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>200'</u>
SCREENS	
(15) MAKE & MATERIAL	(16) OPENINGS
(17) DIAMETER in.	(18) LENGTH ft.
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)	
YIELD TEST	
(20) DATE <u>5/15/14</u>	(21) DURATION OF TEST <u>3 hours</u>
(22) LIFT METHOD <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Air Lift <input type="checkbox"/> Boiler	(23) STABILIZED DISCHARGE (GPM) <u>30</u>
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)	(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>Bottom of Hole</u>
(26) RECOVERY (Time in hours/minutes)	(27) Was the water produced during the test discharged away from immediate area? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
PUMP INSTALLATION	
(28) PUMP INSTALLED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	(29) DATE
(31) TYPE	(32) MAKE
(34) MAXIMUM CAPACITY (GPM)	(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)
DRILLER INFORMATION	
(36) METHOD OF DRILLING <u>Air Percussion</u> <input type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input checked="" type="checkbox"/> Other	(37) USE OF WATER (See Instructions for choices) <u>Test</u>
(38) DATE DRILLING WORK STARTED <u>5/12/14</u>	(39) DATE DRILLING WORK COMPLETED <u>5/15/14</u>
(40) DATE REPORT FILED <u>5/24/14</u>	(41) REGISTERED COMPANY <u>Albert M. Hyatt & Sons</u>
(43) CERTIFIED DRILLER (Print name) <u>Albert M. Hyatt</u>	(42) DEC REGISTRATION NO. <u>NYRD 10194</u>
(44) CERTIFIED DRILLER SIGNATURE <u>Albert M. Hyatt</u>	

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10/2011

(45) WELL LOG

Depth to Bedrock 197 (ft. below land surface)

Ground Elevation _____ (ft. above sea level)

Top of Casing +1 (ft. above (+) or below (-) land surface)

TOP OF WELL

0-29' Soft sandy Fill
29'-105' hardpan
105'-197' yellow ochre
197-540' Dolomite Limestone
Hit most water at 200'

540
BOTTOM OF HOLE

OTHER

LOCATION SKETCH - Indicate north

(1) COUNTY Dutchess(2) TOWN Amenia

(3) DEC Well Number

DU 8681

WATER WELL COMPLETION REPORT

(4) OWNER <u>Silo Ridge Ventures LLC</u>		(45) WELL LOG	
(5) ADDRESS <u>5021 Rt. 22 Amenia, NY 12501</u>		Depth to Bedrock <u>190</u> (ft. below land surface)	
(6) LOCATION OF WELL (See Instructions On Reverse) <u>Unit # 31</u>		Ground Elevation _____ (ft. above sea level)	
(7) LATITUDE/LONGITUDE AND METHOD USED <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Map <u>N 41° 49.664 W 073° 34.378'</u>		Top of Casing <u>± 1</u> (ft. above (+) or below (-) land surface)	
(8) TAX MAP NO. <u>7066-00-670717</u>			
(9) DEPTH OF WELL BELOW LAND SURFACE (feet) <u>500'</u>	(10) DEPTH TO GROUNDWATER BELOW LAND SURFACE (feet) <u>68'</u>	DATE MEASURED <u>5/20/14</u>	
CASINGS			
(11) DIAMETER <u>7 in.</u>	<u>in.</u>	<u>in.</u>	<u>in.</u>
(12) LENGTH <u>225 ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>in.</u>
(13) GROUT TYPE / SEALING <u>Bentonite</u>	(14) GROUT / SEALING INTERVAL (feet) FROM <u>10'</u> TO <u>225'</u>		
SCREENS			
(15) MAKE & MATERIAL	(16) OPENINGS		
(17) DIAMETER <u>in.</u>	<u>in.</u>	<u>in.</u>	<u>in.</u>
(18) LENGTH <u>ft.</u>	<u>ft.</u>	<u>ft.</u>	<u>in.</u>
(19) DEPTH TO TOP OF SCREEN, FROM TOP OF CASING (Feet)			
YIELD TEST			
(20) DATE <u>5/17/14</u>	(21) DURATION OF TEST <u>4 hours</u>		
(22) LIFT METHOD <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift <input type="checkbox"/> Baller	(23) STABILIZED DISCHARGE (GPM) <u>100 +</u>		
(24) STATIC LEVEL PRIOR TO TEST (feet/inches below top of casing)	(25) MAXIMUM DRAWDOWN (Stabilized) (feet/inches below top of casing) <u>Bottom of hole</u>		
(26) RECOVERY (Time in hours/minutes)	(27) Was the water produced during the test discharged away from immediate area? Yes _____ No <u>X</u>		
PUMP INSTALLATION			
(28) PUMP INSTALLED? YES _____ NO <u>X</u>	(29) DATE	(30) PUMP INSTALLER	
(31) TYPE	(32) MAKE	(33) MODEL	
(34) MAXIMUM CAPACITY (GPM)	(35) PUMP INSTALLATION LEVEL FROM TOP OF CASING (Feet)		
DRILLER INFORMATION			
(36) METHOD OF DRILLING <u>Air Percussion</u> <input type="checkbox"/> Rotary <input type="checkbox"/> Cable Tool <input type="checkbox"/> Other	(37) USE OF WATER (See Instructions for choices) <u>Test</u>		
(38) DATE DRILLING WORK STARTED <u>5/16/14</u>	(39) DATE DRILLING WORK COMPLETED <u>5/20/14</u>		
(40) DATE REPORT FILED <u>5/24/14</u>	(41) REGISTERED COMPANY <u>Albert M. Hyatt & Sons</u>	(42) DEC REGISTRATION NO. <u>NYRD 10194</u>	
(43) CERTIFIED DRILLER (Print name) <u>Milton Hyatt</u>	(44) CERTIFIED DRILLER SIGNATURE <u>Milton Hyatt</u>		
<p>* By signing this document I hereby affirm that: (1) I am certified to supervise water well drilling activities as defined by Environmental Conservation Law 15-1502; (2) this water well was constructed in accordance with water well standards promulgated by the New York State Department of Health; (3) under the penalty of perjury the information provided in this Well Completion Report is true, accurate and complete, and I understand that any false statement made herein is punishable as a Class A Misdemeanor under Penal Law §210.45.</p>			
10/2011			

TOP OF WELL

0-8'	Soft Clay
8'-190'	hard pan
190'-220'	Soft + Shale
220'-500'	Shale
water bearing at 230' + 260' + 350'	

500'
BOTTOM OF HOLE

OTHER

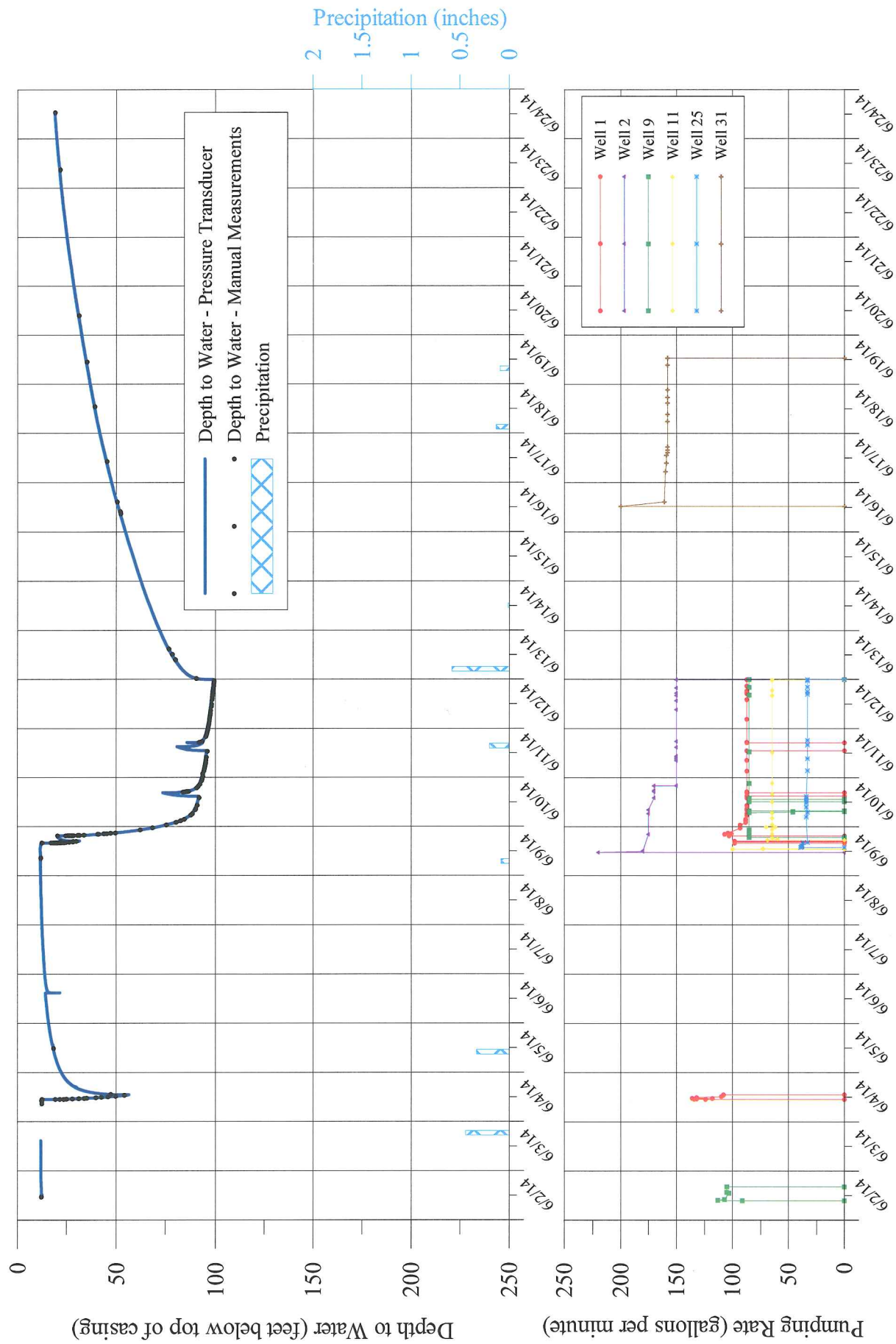
LOCATION SKETCH - indicate north

APPENDIX II

WELL 1

SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 1 During Pumping Tests Conducted June 9 Through 19, 2014



**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 1 During 72-Hour Pumping Tests
Conducted June 9 Through 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/2/2014	12:00	--	11.83	
6/2/2014	13:00	--	11.94	
6/2/2014	14:00	--	11.89	
6/2/2014	15:00	--	11.86	
6/2/2014	16:00	--	11.83	
6/2/2014	17:00	--	11.80	
6/2/2014	18:00	--	11.77	
6/2/2014	19:00	--	11.74	
6/2/2014	20:00	--	11.72	
6/2/2014	21:00	--	11.72	
6/2/2014	22:00	--	11.71	
6/2/2014	23:00	--	11.71	
6/3/2014	0:00	--	11.71	
6/3/2014	1:00	--	11.72	
6/3/2014	2:00	--	11.72	
6/3/2014	3:00	--	11.72	
6/3/2014	4:00	--	11.71	
6/3/2014	5:00	--	11.71	
6/3/2014	6:00	--	11.71	
6/3/2014	7:00	--	11.70	
6/3/2014	8:00	--	11.70	
6/3/2014	9:00	--	11.69	
6/3/2014	10:00	--	11.70	
6/3/2014	11:00	--	11.70	
6/3/2014	12:00	--	11.71	
6/3/2014	13:00	--	11.72	
6/3/2014	14:00	--	11.72	
6/4/2014	10:00	--	12.12	
6/4/2014	11:00	--	24.70	Preliminary test on Well 1 being conducted.
6/4/2014	12:00	--	44.33	
6/4/2014	13:00	--	55.57	
6/4/2014	14:00	--	39.11	
6/4/2014	15:00	--	33.99	
6/4/2014	16:00	--	31.02	Preliminary test on Well 1 ended.
6/4/2014	17:00	--	29.05	
6/4/2014	18:00	--	27.51	
6/4/2014	19:00	--	26.29	
6/4/2014	20:00	--	25.20	
6/4/2014	21:00	--	24.35	
6/4/2014	22:00	--	23.60	
6/4/2014	23:00	--	22.94	
6/5/2014	0:00	--	22.32	
6/5/2014	1:00	--	21.78	
6/5/2014	2:00	--	21.31	
6/5/2014	3:00	--	20.86	
6/5/2014	4:00	--	20.46	
6/5/2014	5:00	--	20.05	
6/5/2014	6:00	--	19.71	
6/5/2014	7:00	--	19.35	
6/5/2014	8:00	--	19.05	
6/5/2014	9:00	--	18.75	
6/5/2014	10:00	--	18.51	
6/5/2014	11:00	--	18.30	
6/5/2014	12:00	--	18.04	
6/5/2014	13:00	--	17.87	
6/5/2014	14:00	--	17.46	
6/5/2014	15:00	--	17.27	
6/5/2014	16:00	--	17.06	
6/5/2014	17:00	--	16.86	
6/5/2014	18:00	--	16.65	
6/5/2014	19:00	--	16.48	

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 1 During 72-Hour Pumping Tests
Conducted June 9 Through 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/5/2014	20:00	--	16.29	
6/5/2014	21:00	--	16.14	
6/5/2014	22:00	--	16.01	
6/5/2014	23:00	--	15.80	
6/6/2014	0:00	--	15.67	
6/6/2014	1:00	--	15.52	
6/6/2014	2:00	--	15.39	
6/6/2014	3:00	--	15.24	
6/6/2014	4:00	--	15.11	
6/6/2014	5:00	--	15.05	
6/6/2014	6:00	--	14.90	
6/6/2014	7:00	--	14.77	
6/6/2014	8:00	--	14.66	
6/6/2014	9:00	--	14.56	
6/6/2014	10:00	--	14.45	
6/6/2014	11:00	--	14.34	
6/6/2014	12:00	--	14.21	
6/6/2014	13:00	--	14.13	
6/6/2014	14:00	--	14.04	
6/6/2014	15:00	--	15.92	
6/6/2014	16:00	--	14.97	
6/6/2014	17:00	--	14.62	
6/6/2014	18:00	--	14.41	
6/6/2014	19:00	--	14.26	
6/6/2014	20:00	--	14.11	
6/6/2014	21:00	--	13.98	
6/6/2014	22:00	--	13.85	
6/6/2014	23:00	--	13.74	
6/7/2014	0:00	--	13.66	
6/7/2014	1:00	--	13.57	
6/7/2014	2:00	--	13.48	
6/7/2014	3:00	--	13.40	
6/7/2014	4:00	--	13.36	
6/7/2014	5:00	--	13.27	
6/7/2014	6:00	--	13.21	
6/7/2014	7:00	--	13.14	
6/7/2014	8:00	--	13.12	
6/7/2014	9:00	--	13.04	
6/7/2014	10:00	--	12.99	
6/7/2014	11:00	--	12.91	
6/7/2014	12:00	--	12.84	
6/7/2014	13:00	--	12.82	
6/7/2014	14:00	--	12.72	
6/7/2014	15:00	--	12.63	
6/7/2014	16:00	--	12.61	
6/7/2014	17:00	--	12.58	
6/7/2014	18:00	--	12.52	
6/7/2014	19:00	--	12.48	
6/7/2014	20:00	--	12.43	
6/7/2014	21:00	--	12.35	
6/7/2014	22:00	--	12.31	
6/7/2014	23:00	--	12.26	
6/8/2014	0:00	--	12.22	
6/8/2014	1:00	--	12.18	
6/8/2014	2:00	--	12.20	
6/8/2014	3:00	--	12.11	
6/8/2014	4:00	--	12.07	
6/8/2014	5:00	--	12.05	
6/8/2014	6:00	--	12.05	
6/8/2014	7:00	--	12.01	
6/8/2014	8:00	--	11.99	

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 1 During 72-Hour Pumping Tests
Conducted June 9 Through 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/8/2014	9:00	--	11.96	
6/8/2014	10:00	--	11.94	
6/8/2014	11:00	--	11.88	
6/8/2014	12:00	--	11.88	
6/8/2014	13:00	--	11.84	
6/8/2014	14:00	--	11.79	
6/8/2014	15:00	--	11.73	
6/8/2014	16:00	--	11.71	
6/8/2014	17:00	--	11.71	
6/8/2014	18:00	--	11.64	
6/8/2014	19:00	--	11.64	
6/8/2014	20:00	--	11.62	
6/8/2014	21:00	--	11.62	
6/8/2014	22:00	--	11.60	
6/8/2014	23:00	--	11.56	
6/9/2014	0:00	--	11.54	
6/9/2014	1:00	--	11.49	
6/9/2014	2:00	--	11.47	
6/9/2014	3:00	--	11.49	
6/9/2014	4:00	--	11.47	
6/9/2014	5:00	--	11.47	
6/9/2014	6:00	--	11.47	
6/9/2014	7:00	--	11.47	
6/9/2014	8:00	--	11.45	
6/9/2014	9:00	--	11.47	
6/9/2014	10:00	--	11.49	
6/9/2014	11:00	--	11.47	
6/9/2014	11:32	--	11.43	Start of pump in Well 2.
6/9/2014	12:00	--	11.38	
6/9/2014	13:00	--	11.39	
6/9/2014	13:51	--	11.49	Start of pump in Well 25.
6/9/2014	14:00	--	11.52	
6/9/2014	15:00	--	11.71	
6/9/2014	15:03	--	11.71	Pump in Well 28 started.
6/9/2014	15:09	--	11.75	Pump in Well 28 stopped.
6/9/2014	15:58	--	12.01	
6/9/2014	15:59	--	16.63	Initial start of pump in Well 1.
6/9/2014	16:00	--	17.68	Well 1 pumping rate 98 gpm.
6/9/2014	16:27	--	28.08	Pump in Well 1 shut down.
6/9/2014	17:00	--	26.85	
6/9/2014	17:24	--	23.42	Start of pump in Well 11.
6/9/2014	18:00	--	21.66	
6/9/2014	18:55	--	20.46	Start of pump in Well 9.
6/9/2014	19:00	--	20.40	
6/9/2014	19:29	--	20.10	
6/9/2014	19:30	1	24.69	Restart of pump in Well 1.
6/9/2014	19:31	2	25.87	Well 1 pumping rate 103 gpm.
6/9/2014	19:32	3	26.66	
6/9/2014	19:33	4	27.35	
6/9/2014	19:34	5	27.91	
6/9/2014	19:35	6	28.44	
6/9/2014	19:36	7	28.98	
6/9/2014	19:37	8	29.49	
6/9/2014	19:38	9	29.87	
6/9/2014	19:39	10	30.39	
6/9/2014	19:40	11	30.80	Well 1 pumping rate 103 gpm.
6/9/2014	19:41	12	31.20	
6/9/2014	19:42	13	31.61	
6/9/2014	19:43	14	31.99	
6/9/2014	19:44	15	32.36	
6/9/2014	19:45	16	32.74	

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Summary of Water-Level Measurements Collected from Well 1 During 72-Hour Pumping Tests
Conducted June 9 Through 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/9/2014	19:50	21	34.41	Well 1 pumping rate 103 gpm.
6/9/2014	19:55	26	35.97	
6/9/2014	20:00	31	37.40	Well 1 pumping rate 103 gpm.
6/9/2014	20:05	36	38.75	
6/9/2014	20:10	41	40.05	Well 1 pumping rate 103 gpm.
6/9/2014	20:15	46	41.27	
6/9/2014	20:20	51	42.40	Well 1 pumping rate 103 gpm.
6/9/2014	20:30	61	44.65	Well 1 pumping rate 103 gpm.
6/9/2014	20:40	71	46.64	Well 1 pumping rate 103 gpm.
6/9/2014	20:50	81	48.60	
6/9/2014	21:00	91	50.42	Well 1 pumping rate 103 gpm.
6/9/2014	21:10	101	52.11	
6/9/2014	21:20	111	53.73	
6/9/2014	21:30	121	55.33	
6/9/2014	22:00	151	59.50	Well 1 pumping rate 103 gpm.
6/9/2014	22:30	181	63.18	
6/9/2014	23:00	211	66.47	Well 1 pumping rate 93 gpm.
6/9/2014	23:30	241	69.36	
6/10/2014	0:00	271	71.94	Well 1 pumping rate 93 gpm.
6/10/2014	1:00	331	76.39	Well 1 pumping rate 88 gpm.
6/10/2014	2:00	391	79.92	Well 1 pumping rate 88 gpm.
6/10/2014	3:00	451	82.76	Well 1 pumping rate 88 gpm.
6/10/2014	4:00	511	84.96	Well 1 pumping rate 88 gpm.
6/10/2014	5:00	571	86.63	Well 1 pumping rate 87 gpm.
6/10/2014	6:00	631	87.85	Well 1 pumping rate 87 gpm.
6/10/2014	7:00	691	88.75	Well 1 pumping rate 87 gpm.
6/10/2014	8:00	751	89.37	Well 1 pumping rate 87 gpm.
6/10/2014	9:00	811	89.90	Well 1 pumping rate 87 gpm.
6/10/2014	10:00	871	90.35	Well 1 pumping rate 87 gpm.
6/10/2014	11:00	931	90.67	Well 1 pumping rate 87 gpm.
6/10/2014	12:00	991	91.01	Well 1 pumping rate 87 gpm.
6/10/2014	13:00	1051	91.23	Well 1 pumping rate 87 gpm.
6/10/2014	14:00	1111	91.40	Well 1 pumping rate 87 gpm.
6/10/2014	14:53	1164	91.48	Pump in Well 1 shut down.
6/10/2014	15:00	1171	84.69	
6/10/2014	16:00	1231	75.95	
6/10/2014	16:33	1264	73.75	Pump in Well 1 restarted.
6/10/2014	17:00	1291	84.62	Well 1 pumping rate 87 gpm.
6/10/2014	18:00	1351	88.81	Well 1 pumping rate 87 gpm.
6/10/2014	19:00	1411	90.42	Well 1 pumping rate 87 gpm.
6/10/2014	20:00	1471	91.29	Well 1 pumping rate 87 gpm.
6/10/2014	21:00	1531	91.97	Well 1 pumping rate 87 gpm.
6/10/2014	22:00	1591	92.40	Well 1 pumping rate 87 gpm.
6/10/2014	23:00	1651	92.79	Well 1 pumping rate 87 gpm.
6/11/2014	0:00	1711	93.09	Well 1 pumping rate 87 gpm.
6/11/2014	1:00	1771	93.34	Well 1 pumping rate 87 gpm.
6/11/2014	2:00	1831	93.62	Well 1 pumping rate 87 gpm.
6/11/2014	3:00	1891	93.79	Well 1 pumping rate 87 gpm.
6/11/2014	4:00	1951	93.99	Well 1 pumping rate 87 gpm.
6/11/2014	5:00	2011	94.20	Well 1 pumping rate 87 gpm.
6/11/2014	6:00	2071	94.41	Well 1 pumping rate 87 gpm.
6/11/2014	7:00	2131	94.63	Well 1 pumping rate 87 gpm.
6/11/2014	8:00	2191	94.73	Well 1 pumping rate 87 gpm.
6/11/2014	9:00	2251	94.95	Well 1 pumping rate 87 gpm.
6/11/2014	10:00	2311	95.16	Well 1 pumping rate 87 gpm.
6/11/2014	11:00	2371	95.22	Well 1 pumping rate 87 gpm.
6/11/2014	12:00	2431	95.42	Well 1 pumping rate 87 gpm.
6/11/2014	13:00	2491	95.55	Well 1 pumping rate 87 gpm.
6/11/2014	13:12	2503	92.81	Pump in Well 1 shut down.
6/11/2014	14:00	2551	84.34	
6/11/2014	15:00	2611	81.04	

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Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/11/2014	15:07	2618	80.78	Pump in Well 1 restarted.
6/11/2014	16:00	2671	91.83	Well 1 pumping rate 87 gpm.
6/11/2014	16:51	2722	90.27	Pump in Well 1 shut down.
6/11/2014	17:00	2731	86.33	
6/11/2014	17:03	2734	85.71	Pump in Well 1 restarted.
6/11/2014	18:00	2791	93.53	Well 1 pumping rate 87 gpm.
6/11/2014	19:00	2851	94.32	Well 1 pumping rate 87 gpm.
6/11/2014	20:00	2911	94.77	Well 1 pumping rate 87 gpm.
6/11/2014	21:00	2971	95.12	Well 1 pumping rate 87 gpm.
6/11/2014	22:00	3031	95.42	Well 1 pumping rate 87 gpm.
6/11/2014	23:00	3091	95.65	Well 1 pumping rate 87 gpm.
6/12/2014	0:00	3151	95.86	Well 1 pumping rate 87 gpm.
6/12/2014	1:00	3211	96.08	Well 1 pumping rate 87 gpm.
6/12/2014	2:00	3271	96.25	Well 1 pumping rate 87 gpm.
6/12/2014	3:00	3331	96.42	Well 1 pumping rate 87 gpm.
6/12/2014	4:00	3391	96.57	Well 1 pumping rate 87 gpm.
6/12/2014	5:00	3451	96.74	Well 1 pumping rate 87 gpm.
6/12/2014	6:00	3511	96.91	Well 1 pumping rate 87 gpm.
6/12/2014	7:00	3571	97.04	Well 1 pumping rate 87 gpm.
6/12/2014	8:00	3631	97.19	Well 1 pumping rate 87 gpm.
6/12/2014	9:00	3691	97.34	Well 1 pumping rate 87 gpm.
6/12/2014	10:00	3751	97.47	Well 1 pumping rate 87 gpm.
6/12/2014	11:00	3811	97.58	Well 1 pumping rate 87 gpm.
6/12/2014	12:00	3871	97.75	Well 1 pumping rate 87 gpm.
6/12/2014	13:00	3931	97.83	Well 1 pumping rate 87 gpm.
6/12/2014	14:00	3991	97.94	Well 1 pumping rate 87 gpm.
6/12/2014	15:00	4051	98.01	Well 1 pumping rate 87 gpm.
6/12/2014	16:00	4111	98.13	Well 1 pumping rate 87 gpm.
6/12/2014	17:00	4171	98.26	Well 1 pumping rate 87 gpm.
6/12/2014	18:00	4231	98.33	Well 1 pumping rate 87 gpm.
6/12/2014	19:00	4291	98.52	Well 1 pumping rate 87 gpm.
6/12/2014	20:00	4351	98.62	Well 1 pumping rate 87 gpm.
6/12/2014	21:00	4411	98.65	Well 1 pumping rate 87 gpm.
6/12/2014	22:00	4471	98.82	Well 1 pumping rate 87 gpm.
6/12/2014	23:00	4531	98.88	Well 1 pumping rate 87 gpm.
6/12/2014	23:51	4582	98.92	Well 1 pumping rate 87 gpm.
6/12/2014	23:52	4583	98.92	Well 1 pumping rate 87 gpm.
6/12/2014	23:53	--	96.93	Pump in Well 1 shut down.
6/12/2014	23:54	--	95.18	
6/12/2014	23:55	--	94.58	
6/12/2014	23:56	--	94.18	
6/12/2014	23:57	--	93.84	
6/12/2014	23:58	--	93.54	
6/12/2014	23:59	--	93.28	
6/13/2014	0:00	--	93.07	
6/13/2014	0:01	--	92.81	
6/13/2014	0:02	--	92.66	
6/13/2014	0:03	--	92.45	
6/13/2014	0:04	--	92.30	
6/13/2014	0:05	--	92.15	
6/13/2014	0:06	--	91.97	
6/13/2014	0:07	--	91.85	
6/13/2014	0:12	--	91.20	
6/13/2014	0:17	--	90.71	
6/13/2014	0:22	--	90.28	
6/13/2014	0:27	--	89.92	
6/13/2014	0:32	--	89.59	
6/13/2014	0:37	--	89.29	
6/13/2014	0:42	--	89.04	
6/13/2014	0:52	--	88.59	
6/13/2014	1:02	--	88.16	

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Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/13/2014	1:12	--	87.84	
6/13/2014	1:22	--	87.48	
6/13/2014	1:32	--	87.18	
6/13/2014	1:42	--	86.86	
6/13/2014	1:52	--	86.62	
6/13/2014	2:00	--	86.39	
6/13/2014	3:00	--	85.11	
6/13/2014	4:00	--	84.02	
6/13/2014	5:00	--	83.08	
6/13/2014	6:00	--	82.24	
6/13/2014	7:00	--	81.47	
6/13/2014	8:00	--	80.77	
6/13/2014	9:00	--	80.13	
6/13/2014	10:00	--	79.49	
6/13/2014	11:00	--	78.82	
6/13/2014	12:00	--	78.25	
6/13/2014	13:00	--	77.69	
6/13/2014	14:00	--	77.09	
6/13/2014	15:00	--	76.54	
6/13/2014	16:00	--	75.98	
6/13/2014	17:00	--	75.47	
6/13/2014	18:00	--	74.98	
6/13/2014	19:00	--	74.48	
6/13/2014	20:00	--	73.99	
6/13/2014	21:00	--	73.54	
6/13/2014	22:00	--	73.07	
6/14/2014	0:00	--	72.20	
6/14/2014	1:00	--	71.70	
6/14/2014	2:00	--	71.23	
6/14/2014	3:00	--	70.83	
6/14/2014	4:00	--	70.34	
6/14/2014	5:00	--	69.93	
6/14/2014	6:00	--	69.50	
6/14/2014	7:00	--	69.10	
6/14/2014	8:00	--	68.69	
6/14/2014	9:00	--	68.31	
6/14/2014	10:00	--	67.92	
6/14/2014	11:00	--	67.54	
6/14/2014	12:00	--	67.11	
6/14/2014	13:00	--	66.70	
6/14/2014	14:00	--	66.32	
6/14/2014	15:00	--	65.89	
6/14/2014	16:00	--	65.55	
6/14/2014	17:00	--	65.12	
6/14/2014	18:00	--	64.76	
6/14/2014	19:00	--	64.41	
6/14/2014	20:00	--	64.01	
6/14/2014	21:00	--	63.69	
6/14/2014	22:00	--	63.30	
6/14/2014	23:00	--	62.96	
6/15/2014	0:00	--	62.62	
6/15/2014	1:00	--	62.23	
6/15/2014	2:00	--	61.87	
6/15/2014	3:00	--	61.53	
6/15/2014	4:00	--	61.16	
6/15/2014	5:00	--	60.84	
6/15/2014	6:00	--	60.50	
6/15/2014	7:00	--	60.16	
6/15/2014	8:00	--	59.86	
6/15/2014	9:00	--	59.52	
6/15/2014	10:00	--	59.24	

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Summary of Water-Level Measurements Collected from Well 1 During 72-Hour Pumping Tests
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Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/15/2014	11:00	--	58.94	
6/15/2014	12:00	--	58.58	
6/15/2014	13:00	--	58.26	
6/15/2014	14:00	--	57.87	
6/15/2014	15:00	--	57.55	
6/15/2014	16:00	--	57.23	
6/15/2014	17:00	--	56.87	
6/15/2014	18:00	--	56.55	
6/15/2014	19:00	--	56.21	
6/15/2014	20:00	--	55.88	
6/15/2014	21:00	--	55.56	
6/15/2014	22:00	--	55.26	
6/15/2014	23:00	--	54.97	
6/16/2014	0:00	--	54.65	
6/16/2014	1:00	--	54.37	
6/16/2014	2:00	--	54.05	
6/16/2014	3:00	--	53.75	
6/16/2014	4:00	--	53.43	
6/16/2014	5:00	--	53.17	
6/16/2014	6:00	--	52.85	
6/16/2014	7:00	--	52.53	
6/16/2014	8:00	--	52.25	
6/16/2014	9:00	--	51.93	
6/16/2014	10:00	--	51.63	
6/16/2014	11:00	--	51.35	
6/16/2014	12:00	--	51.03	
6/16/2014	12:25	--	50.93	Pump in Well 31 started.
6/16/2014	13:00	--	50.73	
6/16/2014	14:00	--	50.46	
6/16/2014	15:00	--	50.18	
6/16/2014	16:00	--	49.84	
6/16/2014	17:00	--	49.52	
6/16/2014	18:00	--	49.19	
6/16/2014	19:00	--	48.92	
6/16/2014	20:00	--	48.68	
6/16/2014	21:00	--	48.36	
6/16/2014	22:00	--	48.13	
6/16/2014	23:00	--	47.87	
6/17/2014	0:00	--	47.59	
6/17/2014	1:00	--	47.34	
6/17/2014	2:00	--	47.08	
6/17/2014	3:00	--	46.82	
6/17/2014	4:00	--	46.54	
6/17/2014	5:00	--	46.29	
6/17/2014	6:00	--	46.05	
6/17/2014	7:00	--	45.79	
6/17/2014	8:00	--	45.56	
6/17/2014	9:00	--	45.33	
6/17/2014	10:00	--	45.09	
6/17/2014	11:00	--	44.85	
6/17/2014	12:00	--	44.60	
6/17/2014	13:00	--	44.38	
6/17/2014	14:00	--	44.11	
6/17/2014	15:00	--	43.87	
6/17/2014	16:00	--	43.61	
6/17/2014	17:00	--	43.36	
6/17/2014	18:00	--	43.12	
6/17/2014	19:00	--	42.84	
6/17/2014	20:00	--	42.61	
6/17/2014	21:00	--	42.37	
6/17/2014	22:00	--	42.16	

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Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/17/2014	23:00	--	41.93	
6/18/2014	0:00	--	41.69	
6/18/2014	1:00	--	41.46	
6/18/2014	2:00	--	41.28	
6/18/2014	3:00	--	41.03	
6/18/2014	4:00	--	40.81	
6/18/2014	5:00	--	40.58	
6/18/2014	6:00	--	40.39	
6/18/2014	7:00	--	40.17	
6/18/2014	8:00	--	39.96	
6/18/2014	9:00	--	39.75	
6/18/2014	10:00	--	39.60	
6/18/2014	11:00	--	39.38	
6/18/2014	12:00	--	39.21	
6/18/2014	13:00	--	39.00	
6/18/2014	14:00	--	38.83	
6/18/2014	15:00	--	38.66	
6/18/2014	16:00	--	38.42	
6/18/2014	17:00	--	38.21	
6/18/2014	18:00	--	38.04	
6/18/2014	19:00	--	37.86	
6/18/2014	20:00	--	37.65	
6/18/2014	21:00	--	37.46	
6/18/2014	22:00	--	37.29	
6/18/2014	23:00	--	37.07	
6/19/2014	0:00	--	36.88	
6/19/2014	1:00	--	36.69	
6/19/2014	2:00	--	36.52	
6/19/2014	3:00	--	36.35	
6/19/2014	4:00	--	36.18	
6/19/2014	5:00	--	35.96	
6/19/2014	6:00	--	35.79	
6/19/2014	7:00	--	35.62	
6/19/2014	8:00	--	35.43	
6/19/2014	9:00	--	35.24	
6/19/2014	10:00	--	35.09	
6/19/2014	11:00	--	34.87	
6/19/2014	12:00	--	34.72	
6/19/2014	12:44	--	34.59	Pump in Well 31 shut down.
6/19/2014	13:00	--	34.53	
6/19/2014	14:00	--	34.34	
6/19/2014	15:00	--	34.19	
6/19/2014	16:00	--	34.00	
6/19/2014	17:00	--	33.83	
6/19/2014	18:00	--	33.65	
6/19/2014	19:00	--	33.46	
6/19/2014	20:00	--	33.29	
6/19/2014	21:00	--	33.12	
6/19/2014	22:00	--	32.99	
6/19/2014	23:00	--	32.78	
6/20/2014	0:00	--	32.63	
6/20/2014	1:00	--	32.46	
6/20/2014	2:00	--	32.29	
6/20/2014	3:00	--	32.14	
6/20/2014	4:00	--	31.97	
6/20/2014	5:00	--	31.79	
6/20/2014	6:00	--	31.65	
6/20/2014	7:00	--	31.50	
6/20/2014	8:00	--	31.32	
6/20/2014	9:00	--	31.15	
6/20/2014	10:00	--	30.98	

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Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/20/2014	11:00	--	30.79	
6/20/2014	12:00	--	30.62	
6/20/2014	13:00	--	30.47	
6/20/2014	14:00	--	30.30	
6/20/2014	15:00	--	30.15	
6/20/2014	16:00	--	29.98	
6/20/2014	17:00	--	29.83	
6/20/2014	18:00	--	29.66	
6/20/2014	19:00	--	29.48	
6/20/2014	20:00	--	29.33	
6/20/2014	21:00	--	29.16	
6/20/2014	22:00	--	29.04	
6/20/2014	23:00	--	28.89	
6/21/2014	0:00	--	28.74	
6/21/2014	1:00	--	28.57	
6/21/2014	2:00	--	28.42	
6/21/2014	3:00	--	28.27	
6/21/2014	4:00	--	28.14	
6/21/2014	5:00	--	27.99	
6/21/2014	6:00	--	27.86	
6/21/2014	7:00	--	27.71	
6/21/2014	8:00	--	27.58	
6/21/2014	9:00	--	27.43	
6/21/2014	10:00	--	27.30	
6/21/2014	11:00	--	27.11	
6/21/2014	12:00	--	26.98	
6/21/2014	13:00	--	26.79	
6/21/2014	14:00	--	26.64	
6/21/2014	15:00	--	26.49	
6/21/2014	16:00	--	26.36	
6/21/2014	17:00	--	26.21	
6/21/2014	18:00	--	26.08	
6/21/2014	19:00	--	25.93	
6/21/2014	20:00	--	25.81	
6/21/2014	21:00	--	25.68	
6/21/2014	22:00	--	25.53	
6/21/2014	23:00	--	25.40	
6/22/2014	0:00	--	25.25	
6/22/2014	1:00	--	25.14	
6/22/2014	2:00	--	24.99	
6/22/2014	3:00	--	24.87	
6/22/2014	4:00	--	24.74	
6/22/2014	5:00	--	24.61	
6/22/2014	6:00	--	24.50	
6/22/2014	7:00	--	24.40	
6/22/2014	8:00	--	24.29	
6/22/2014	9:00	--	24.16	
6/22/2014	10:00	--	24.03	
6/22/2014	11:00	--	23.90	
6/22/2014	12:00	--	23.75	
6/22/2014	13:00	--	23.64	
6/22/2014	14:00	--	23.47	
6/22/2014	15:00	--	23.41	
6/22/2014	16:00	--	23.24	
6/22/2014	17:00	--	23.13	
6/22/2014	18:00	--	23.02	
6/22/2014	19:00	--	22.91	
6/22/2014	20:00	--	22.81	
6/22/2014	21:00	--	22.68	
6/22/2014	22:00	--	22.57	
6/22/2014	23:00	--	22.47	

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 1 During 72-Hour Pumping Tests
Conducted June 9 Through 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/23/2014	0:00	--	22.36	
6/23/2014	1:00	--	22.23	
6/23/2014	2:00	--	22.15	
6/23/2014	3:00	--	22.04	
6/23/2014	4:00	--	21.93	
6/23/2014	5:00	--	21.82	
6/23/2014	6:00	--	21.74	
6/23/2014	7:00	--	21.65	
6/23/2014	8:00	--	21.57	
6/23/2014	9:00	--	21.50	
6/23/2014	10:00	--	21.37	
6/23/2014	11:00	--	21.27	
6/23/2014	12:00	--	21.16	
6/23/2014	13:00	--	21.05	
6/23/2014	14:00	--	20.92	
6/23/2014	15:00	--	20.79	
6/23/2014	16:00	--	20.71	
6/23/2014	17:00	--	20.62	
6/23/2014	18:00	--	20.52	
6/23/2014	19:00	--	20.41	
6/23/2014	20:00	--	20.34	
6/23/2014	21:00	--	20.24	
6/23/2014	22:00	--	20.17	
6/23/2014	23:00	--	20.04	
6/24/2014	0:00	--	19.96	
6/24/2014	1:00	--	19.87	
6/24/2014	2:00	--	19.77	
6/24/2014	3:00	--	19.68	
6/24/2014	4:00	--	19.60	
6/24/2014	5:00	--	19.53	
6/24/2014	6:00	--	19.45	
6/24/2014	7:00	--	19.40	
6/24/2014	8:00	--	19.30	
6/24/2014	9:00	--	19.21	
6/24/2014	10:00	--	19.12	
6/24/2014	11:00	--	19.04	
6/24/2014	12:00	--	18.97	

ft btoc feet below top of casing

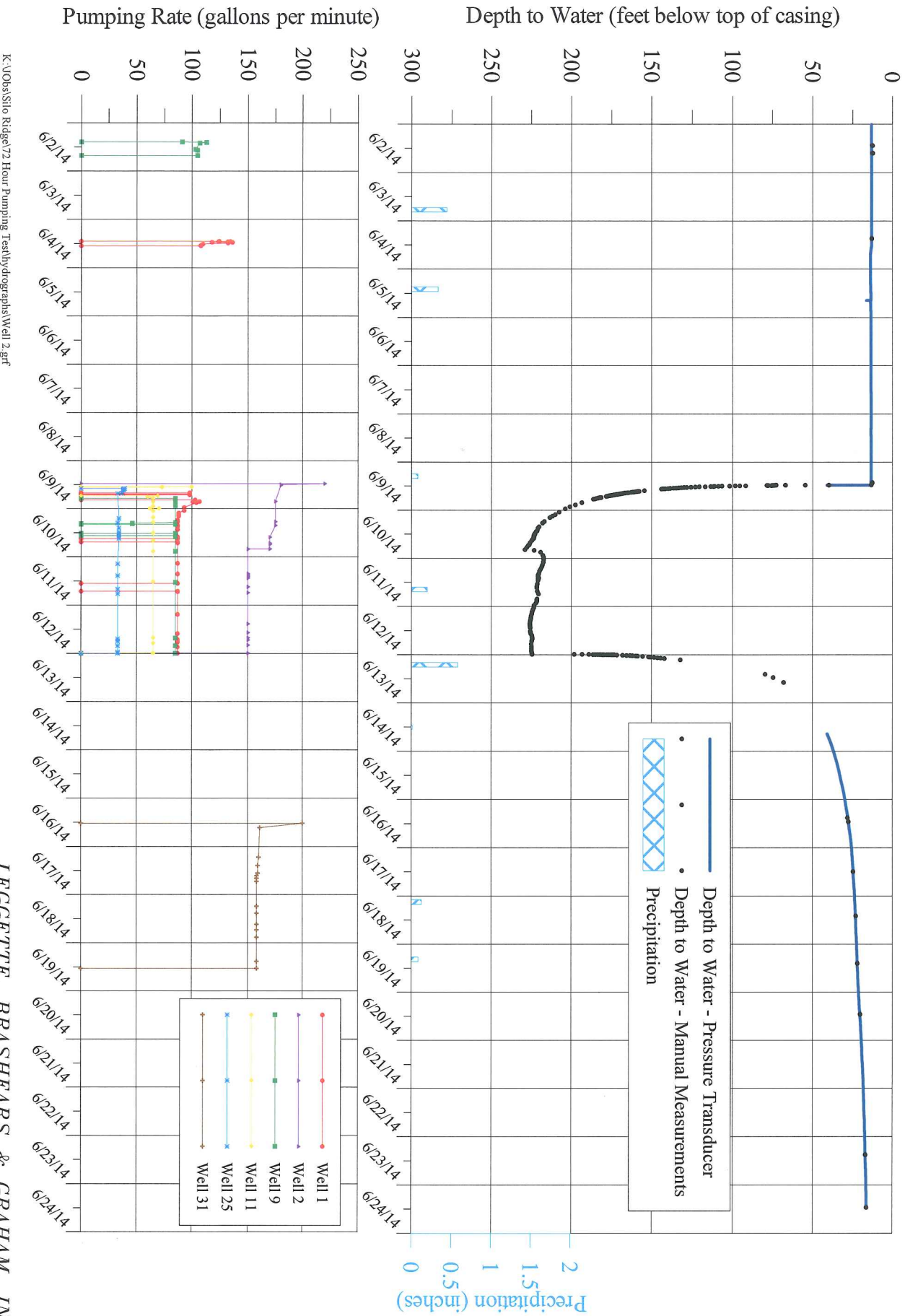
gpm gallons per minute

K:\Jobs\Silo Ridge\72-Hour Pumping Test\Reporting\Water Level tables\Well 1.doc

WELL 2

SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 2 During Pumping Tests Conducted June 9 Through 19, 2014



K:\Obs\Silo Ridge\72 Hour Pumping Test\hydrographs\Well 2.grf

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 2 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc) ^U	Comments
5/21/2014	12:00	--	12.59	
5/21/2014	16:00	--	12.59	
5/21/2014	20:00	--	12.62	
5/22/2014	0:00	--	12.56	
5/22/2014	4:00	--	12.57	
5/22/2014	8:00	--	12.63	
5/22/2014	12:00	--	12.58	
5/22/2014	16:00	--	12.57	
5/22/2014	20:00	--	12.63	
5/23/2014	0:00	--	12.60	
5/23/2014	4:00	--	12.59	
5/23/2014	8:00	--	12.69	
5/23/2014	12:00	--	12.67	
5/23/2014	16:00	--	12.44	
5/23/2014	20:00	--	12.25	
5/24/2014	0:00	--	12.20	
5/24/2014	4:00	--	12.15	
5/24/2014	8:00	--	12.31	
5/24/2014	12:00	--	43.00	Preliminary test on Well 2 being conducted.
5/24/2014	16:00	--	43.18	
5/24/2014	20:00	--	42.72	Preliminary test on Well 2 ended.
5/25/2014	0:00	--	35.46	
5/25/2014	4:00	--	29.20	
5/25/2014	8:00	--	25.78	
5/25/2014	12:00	--	23.53	
5/25/2014	16:00	--	21.47	
5/25/2014	20:00	--	20.23	
5/26/2014	0:00	--	19.32	
5/26/2014	4:00	--	18.44	
5/26/2014	8:00	--	17.84	
5/26/2014	12:00	--	17.29	
5/26/2014	16:00	--	16.64	
5/26/2014	20:00	--	16.22	
5/27/2014	0:00	--	15.92	
5/27/2014	4:00	--	15.55	
5/27/2014	8:00	--	15.34	
5/27/2014	12:00	--	16.89	
5/27/2014	16:00	--	15.34	
5/27/2014	20:00	--	15.36	
5/28/2014	0:00	--	14.75	
5/28/2014	4:00	--	14.40	
5/28/2014	8:00	--	14.14	
5/28/2014	12:00	--	29.55	
5/28/2014	16:00	--	18.87	
5/28/2014	20:00	--	16.48	
5/29/2014	0:00	--	15.58	
5/29/2014	4:00	--	14.97	
5/29/2014	8:00	--	15.43	
5/29/2014	12:00	--	15.18	
5/29/2014	16:00	--	14.86	
5/29/2014	20:00	--	14.57	
5/30/2014	0:00	--	14.48	
5/30/2014	4:00	--	14.33	
5/30/2014	8:00	--	14.20	
5/30/2014	12:00	--	14.18	
5/30/2014	16:00	--	14.02	
5/30/2014	20:00	--	13.83	
5/31/2014	0:00	--	13.80	
5/31/2014	4:00	--	13.75	
5/31/2014	8:00	--	13.68	

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 2 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc) ^U	Comments
5/31/2014	12:00	--	13.71	
5/31/2014	16:00	--	13.66	
5/31/2014	20:00	--	13.52	
6/1/2014	0:00	--	13.52	
6/1/2014	4:00	--	13.51	
6/1/2014	8:00	--	13.47	
6/1/2014	12:00	--	13.47	
6/1/2014	16:00	--	13.44	
6/1/2014	20:00	--	13.31	
6/2/2014	0:00	--	13.29	
6/2/2014	4:00	--	13.31	
6/2/2014	8:00	--	13.27	
6/2/2014	12:00	--	13.25	
6/2/2014	16:00	--	13.22	
6/2/2014	20:00	--	13.16	
6/3/2014	0:00	--	13.17	
6/3/2014	4:00	--	13.22	
6/3/2014	8:00	--	13.22	
6/3/2014	12:00	--	13.23	
6/3/2014	16:00	--	13.24	
6/3/2014	20:00	--	13.15	
6/4/2014	0:00	--	13.11	
6/4/2014	4:00	--	13.15	
6/4/2014	8:00	--	13.17	
6/4/2014	12:00	--	13.17	
6/4/2014	16:00	--	13.77	
6/4/2014	20:00	--	13.84	
6/5/2014	0:00	--	13.79	
6/5/2014	4:00	--	13.78	
6/5/2014	8:00	--	13.75	
6/5/2014	12:00	--	13.67	
6/5/2014	16:00	--	13.86	
6/5/2014	20:00	--	13.68	
6/6/2014	0:00	--	13.62	
6/6/2014	4:00	--	13.62	
6/6/2014	8:00	--	13.65	
6/6/2014	12:00	--	13.59	
6/6/2014	16:00	--	13.55	
6/6/2014	20:00	--	13.58	
6/7/2014	0:00	--	13.54	
6/7/2014	4:00	--	13.54	
6/7/2014	8:00	--	13.60	
6/7/2014	12:00	--	13.53	
6/7/2014	16:00	--	13.45	
6/7/2014	20:00	--	13.47	
6/8/2014	0:00	--	13.45	
6/8/2014	4:00	--	13.44	
6/8/2014	8:00	--	13.52	
6/8/2014	12:00	--	13.47	
6/8/2014	16:00	--	13.36	
6/8/2014	20:00	--	13.39	
6/9/2014	0:00	--	13.40	
6/9/2014	1:00	--	13.38	
6/9/2014	2:00	--	13.37	
6/9/2014	3:00	--	13.37	
6/9/2014	4:00	--	13.38	
6/9/2014	5:00	--	13.40	
6/9/2014	6:00	--	13.44	
6/9/2014	7:00	--	13.46	
6/9/2014	8:00	--	13.48	

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 2 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc) ^U	Comments
6/9/2014	9:00	--	13.49	
6/9/2014	10:00	--	13.50	
6/9/2014	11:00	--	13.49	
6/9/2014	11:31	--	13.48	
6/9/2014	11:32	1	39.52	Pump in Well 2 started.
6/9/2014	11:32	2	54.73	Pumping rate 220 gpm.
6/9/2014	11:33	3	66.93	Decreased pumping rate in Well 2.
6/9/2014	11:34	4	72.76	
6/9/2014	11:35	5	77.59	
6/9/2014	11:36	6	78.43	Pumping rate 180 gpm.
6/9/2014	11:37	7	74.97	
6/9/2014	11:38	8	74.31	
6/9/2014	11:39	9	73.69	
6/9/2014	11:42	12	74.87	
6/9/2014	11:43	13	75.55	
6/9/2014	11:45	15	77.89	Pumping rate 180 gpm.
6/9/2014	11:50	20	91.89	
6/9/2014	11:52	22	95.55	
6/9/2014	11:54	24	98.48	Pumping rate 180 gpm.
6/9/2014	11:57	27	101.83	
6/9/2014	12:02	32	106.66	
6/9/2014	12:04	34	108.79	Pumping rate 180 gpm.
6/9/2014	12:07	37	111.07	
6/9/2014	12:08	38	111.64	
6/9/2014	12:11	41	113.46	
6/9/2014	12:17	47	116.91	Pumping rate 180 gpm.
6/9/2014	12:23	53	120.60	
6/9/2014	12:28	58	123.03	Pumping rate 180 gpm.
6/9/2014	12:34	64	125.72	
6/9/2014	12:39	69	128.25	
6/9/2014	12:44	74	129.93	Pumping rate 180 gpm.
6/9/2014	12:48	78	131.73	
6/9/2014	12:54	84	133.37	
6/9/2014	12:59	89	134.96	
6/9/2014	13:04	94	136.65	Pumping rate 180 gpm.
6/9/2014	13:09	99	138.56	
6/9/2014	13:14	104	139.89	
6/9/2014	13:19	109	141.68	
6/9/2014	13:24	114	143.08	
6/9/2014	13:29	119	143.87	Pumping rate 180 gpm.
6/9/2014	14:19	169	154.65	Pump in Well 25 started at 13:51.
6/9/2014	14:34	184	157.77	Pumping rate 180 gpm.
6/9/2014	14:39	189	158.62	
6/9/2014	14:44	194	159.32	
6/9/2014	14:49	199	160.40	
6/9/2014	14:54	204	161.33	
6/9/2014	14:59	209	161.68	Pumping rate 180 gpm.
6/9/2014	15:04	214	162.88	Pump in Well 28 started at 15:03 and stopped at 15:09.
6/9/2014	15:14	224	164.67	
6/9/2014	15:19	229	165.33	
6/9/2014	15:29	239	166.69	
6/9/2014	15:34	244	167.40	
6/9/2014	15:39	249	168.22	
6/9/2014	15:44	254	168.83	
6/9/2014	15:49	259	169.32	
6/9/2014	15:54	264	170.02	
6/9/2014	15:59	269	170.55	
6/9/2014	16:04	274	171.45	Pumping rate 180 gpm.
6/9/2014	16:09	279	172.02	
6/9/2014	16:14	284	172.61	

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Summary of Water-Level Measurements Collected from Well 2 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc) ^U	Comments
6/9/2014	16:19	289	173.12	
6/9/2014	16:24	294	173.60	
6/9/2014	16:29	299	174.12	
6/9/2014	16:34	304	174.59	
6/9/2014	16:39	309	175.26	
6/9/2014	16:44	314	175.88	
6/9/2014	16:49	319	176.37	
6/9/2014	16:54	324	177.03	
6/9/2014	16:59	329	177.62	
6/9/2014	17:09	339	178.48	Pumping rate 180 gpm.
6/9/2014	17:39	369	181.55	Pump in Well 11 started 17:24.
6/9/2014	17:44	374	181.96	
6/9/2014	17:54	384	182.82	
6/9/2014	18:04	394	183.76	Pumping rate 180 gpm.
6/9/2014	18:14	404	184.60	
6/9/2014	18:24	414	185.51	
6/9/2014	18:34	424	186.41	Pump in Well 9 started 18:55.
6/9/2014	20:17	527	193.56	Pump in Well 1 started 19:30.
6/9/2014	21:25	595	197.56	Well 2 pumping rate 175 gpm
6/9/2014	22:20	650	200.97	Well 2 pumping rate 175 gpm
6/9/2014	23:25	715	203.85	Well 2 pumping rate 175 gpm
6/10/2014	0:57	807	207.68	Well 2 pumping rate 175 gpm
6/10/2014	2:15	825	210.18	Well 2 pumping rate 175 gpm
6/10/2014	3:00	870	211.93	Well 2 pumping rate 175 gpm
6/10/2014	3:43	913	213.57	Well 2 pumping rate 175 gpm
6/10/2014	5:41	1031	216.97	Well 2 pumping rate 175 gpm
6/10/2014	6:28	1078	218.17	Well 2 pumping rate 175 gpm
6/10/2014	8:19	1189	220.29	Well 2 pumping rate 175 gpm
6/10/2014	9:05	1235	221.10	Well 2 pumping rate 175 gpm
6/10/2014	10:15	1305	221.51	Well 2 pumping rate 175 gpm
6/10/2014	10:48	1338	222.21	Well 2 pumping rate 175 gpm
6/10/2014	11:50	1400	222.91	Well 2 pumping rate 175 gpm
6/10/2014	12:05	1415	222.87	Well 2 pumping rate 175 gpm
6/10/2014	12:35	1435	223.37	Well 2 pumping rate 175 gpm
6/10/2014	13:05	1465	223.67	Well 2 pumping rate 175 gpm
6/10/2014	13:35	1495	223.34	Well 2 pumping rate 175 gpm
6/10/2014	14:05	1525	223.67	Well 2 pumping rate 170 gpm
6/10/2014	14:35	1555	224.25	Well 2 pumping rate 170 gpm
6/10/2014	15:05	1585	224.74	Well 2 pumping rate 170 gpm
6/10/2014	16:20	1660	225.87	Well 2 pumping rate 170 gpm
6/10/2014	17:07	1707	226.32	Well 2 pumping rate 170 gpm
6/10/2014	17:43	1743	226.95	Well 2 pumping rate 170 gpm
6/10/2014	18:36	1796	227.90	Well 2 pumping rate 170 gpm
6/10/2014	19:42	1862	228.99	Well 2 pumping rate 170 gpm
6/10/2014	20:00	1880	NM	Completed manual rate reduction on Well 2.
6/10/2014	20:06	1886	223.28	Well 2 pumping rate 150 gpm
6/10/2014	20:57	1937	219.22	Well 2 pumping rate 150 gpm
6/10/2014	22:36	2036	217.76	Well 2 pumping rate 150 gpm
6/10/2014	23:32	2092	217.44	Well 2 pumping rate 150 gpm
6/11/2014	0:39	2159	217.48	Well 2 pumping rate 150 gpm
6/11/2014	1:57	2237	217.64	Well 2 pumping rate 150 gpm
6/11/2014	3:18	2318	218.11	Well 2 pumping rate 150 gpm
6/11/2014	4:16	2376	218.54	Well 2 pumping rate 150 gpm
6/11/2014	5:25	2445	219.29	Well 2 pumping rate 150 gpm
6/11/2014	6:26	2506	219.96	Well 2 pumping rate 150 gpm
6/11/2014	7:38	2578	220.48	Well 2 pumping rate 150 gpm
6/11/2014	8:18	2618	220.87	Well 2 pumping rate 150 gpm
6/11/2014	8:37	2637	220.86	Well 2 pumping rate 150 gpm
6/11/2014	8:51	2651	220.90	Well 2 pumping rate 150 gpm
6/11/2014	9:16	2676	220.81	Well 2 pumping rate 150 gpm

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 2 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc) ^U	Comments
6/11/2014	9:48	2708	220.48	Well 2 pumping rate 150 gpm
6/11/2014	10:11	2731	220.83	Well 2 pumping rate 150 gpm
6/11/2014	10:33	2753	220.69	Well 2 pumping rate 150 gpm
6/11/2014	11:09	2789	220.76	Well 2 pumping rate 150 gpm
6/11/2014	12:52	2892	221.22	Well 2 pumping rate 150 gpm
6/11/2014	14:03	2963	221.59	Well 2 pumping rate 150 gpm
6/11/2014	14:50	3010	221.56	Well 2 pumping rate 150 gpm
6/11/2014	16:25	3105	221.31	Well 2 pumping rate 150 gpm
6/11/2014	17:45	3185	220.62	Well 2 pumping rate 150 gpm
6/11/2014	20:10	3330	221.47	Well 2 pumping rate 150 gpm
6/11/2014	20:45	3365	221.70	Well 2 pumping rate 150 gpm
6/11/2014	21:21	3401	221.55	Well 2 pumping rate 150 gpm
6/11/2014	22:19	3459	222.21	Well 2 pumping rate 150 gpm
6/11/2014	23:26	3526	223.27	Well 2 pumping rate 150 gpm
6/12/2014	0:30	3590	223.50	Well 2 pumping rate 150 gpm
6/12/2014	1:32	3652	224.06	Well 2 pumping rate 150 gpm
6/12/2014	2:38	3718	224.51	Well 2 pumping rate 150 gpm
6/12/2014	3:40	3780	224.75	Well 2 pumping rate 150 gpm
6/12/2014	4:41	3841	225.05	Well 2 pumping rate 150 gpm
6/12/2014	5:41	3901	225.29	Well 2 pumping rate 150 gpm
6/12/2014	6:37	3957	225.44	Well 2 pumping rate 150 gpm
6/12/2014	7:38	4018	225.77	Well 2 pumping rate 150 gpm
6/12/2014	8:36	4076	225.85	Well 2 pumping rate 150 gpm
6/12/2014	9:18	4118	225.76	Well 2 pumping rate 150 gpm
6/12/2014	10:00	4160	225.76	Well 2 pumping rate 150 gpm
6/12/2014	10:41	4201	225.53	Well 2 pumping rate 150 gpm
6/12/2014	12:18	4298	225.50	Well 2 pumping rate 150 gpm
6/12/2014	12:47	4327	225.42	Well 2 pumping rate 150 gpm
6/12/2014	13:35	4375	225.31	Well 2 pumping rate 150 gpm
6/12/2014	14:19	4419	224.60	Well 2 pumping rate 150 gpm
6/12/2014	15:01	4461	224.40	Well 2 pumping rate 150 gpm
6/12/2014	15:45	4505	224.43	Well 2 pumping rate 150 gpm
6/12/2014	16:06	4526	224.35	Well 2 pumping rate 150 gpm
6/12/2014	17:17	4597	224.62	Well 2 pumping rate 150 gpm
6/12/2014	18:45	4685	224.99	Well 2 pumping rate 150 gpm
6/12/2014	19:51	4751	224.95	Well 2 pumping rate 150 gpm
6/12/2014	20:59	4819	224.92	Well 2 pumping rate 150 gpm
6/12/2014	21:58	4878	224.92	Well 2 pumping rate 150 gpm
6/12/2014	22:34	4914	224.71	Well 2 pumping rate 150 gpm
6/12/2014	23:02	4942	224.69	Well 2 pumping rate 150 gpm
6/12/2014	23:32	4972	224.50	Well 2 pumping rate 150 gpm
6/12/2014	23:47	4987	224.48	Well 2 pumping rate 150 gpm
6/12/2014	23:50		NM	Pump in Well 2 shut down.
6/12/2014	23:51		198.09	
6/12/2014	23:52		193.29	
6/12/2014	23:53		189.08	
6/12/2014	23:54		186.54	
6/12/2014	23:55		184.96	
6/12/2014	23:56		183.44	
6/12/2014	23:57		182.10	
6/12/2014	23:58		180.63	
6/12/2014	23:59		179.63	
6/13/2014	0:00		178.01	
6/13/2014	0:01		176.76	
6/13/2014	0:02		175.49	
6/13/2014	0:03		174.64	
6/13/2014	0:04		173.95	
6/13/2014	0:05		173.30	
6/13/2014	0:10		171.71	
6/13/2014	0:15		168.08	

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 2 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc) ^U	Comments
6/13/2014	0:20		165.77	
6/13/2014	0:25		163.59	
6/13/2014	0:30		161.97	
6/13/2014	0:35		159.92	
6/13/2014	0:40		158.64	
6/13/2014	0:50		155.61	
6/13/2014	1:00		151.91	
6/13/2014	1:10		150.60	
6/13/2014	1:20		148.33	
6/13/2014	1:30		146.23	
6/13/2014	1:40		144.26	
6/13/2014	1:50		142.05	
6/13/2014	2:32		132.30	
6/13/2014	9:44		79.35	
6/13/2014	11:23		74.37	
6/13/2014	13:47		67.98	
6/14/2014	14:00		41.70	
6/14/2014	15:00		41.14	
6/14/2014	16:00		40.61	
6/14/2014	17:00		40.07	
6/14/2014	18:00		39.57	
6/14/2014	19:00		39.07	
6/14/2014	20:00		38.61	
6/14/2014	21:00		38.17	
6/14/2014	22:00		37.76	
6/14/2014	23:00		37.36	
6/15/2014	0:00		36.97	
6/15/2014	1:00		36.60	
6/15/2014	2:00		36.22	
6/15/2014	3:00		35.85	
6/15/2014	4:00		35.47	
6/15/2014	5:00		35.11	
6/15/2014	6:00		34.76	
6/15/2014	7:00		34.42	
6/15/2014	8:00		34.11	
6/15/2014	9:00		33.80	
6/15/2014	10:00		33.51	
6/15/2014	11:00		33.25	
6/15/2014	12:00		32.98	
6/15/2014	13:00		32.71	
6/15/2014	14:00		32.42	
6/15/2014	15:00		32.14	
6/15/2014	16:00		31.85	
6/15/2014	17:00		31.55	
6/15/2014	18:00		31.25	
6/15/2014	19:00		30.97	
6/15/2014	20:00		30.69	
6/15/2014	21:00		30.44	
6/15/2014	22:00		30.22	
6/15/2014	23:00		30.00	
6/16/2014	0:00		29.79	
6/16/2014	1:00		29.60	
6/16/2014	2:00		29.40	
6/16/2014	3:00		29.19	
6/16/2014	4:00		28.98	
6/16/2014	5:00		28.77	
6/16/2014	6:00		28.56	
6/16/2014	7:00		28.36	
6/16/2014	8:00		28.16	
6/16/2014	9:00		27.97	

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Summary of Water-Level Measurements Collected from Well 2 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc) ^U	Comments
6/16/2014	10:00		27.80	
6/16/2014	11:00		27.64	
6/16/2014	12:00		27.48	
6/16/2014	12:25		27.42	Pump in Well 31 started.
6/16/2014	13:00		27.32	
6/16/2014	14:00		27.16	
6/16/2014	15:00		27.00	
6/16/2014	16:00		26.83	
6/16/2014	17:00		26.64	
6/16/2014	18:00		26.47	
6/16/2014	19:00		26.29	
6/16/2014	20:00		26.13	
6/16/2014	21:00		26.00	
6/16/2014	22:00		25.87	
6/16/2014	23:00		25.76	
6/17/2014	0:00		25.66	
6/17/2014	1:00		25.57	
6/17/2014	2:00		25.49	
6/17/2014	3:00		25.40	
6/17/2014	4:00		25.31	
6/17/2014	5:00		25.22	
6/17/2014	6:00		25.13	
6/17/2014	7:00		25.04	
6/17/2014	8:00		24.95	
6/17/2014	9:00		24.87	
6/17/2014	10:00		24.79	
6/17/2014	11:00		24.71	
6/17/2014	12:00		24.65	
6/17/2014	13:00		24.59	
6/17/2014	14:00		24.54	
6/17/2014	15:00		24.48	
6/17/2014	16:00		24.40	
6/17/2014	17:00		24.32	
6/17/2014	18:00		24.23	
6/17/2014	19:00		24.13	
6/17/2014	20:00		24.04	
6/17/2014	21:00		23.95	
6/17/2014	22:00		23.88	
6/17/2014	23:00		23.80	
6/18/2014	0:00		23.74	
6/18/2014	1:00		23.69	
6/18/2014	2:00		23.66	
6/18/2014	3:00		23.59	
6/18/2014	4:00		23.54	
6/18/2014	5:00		23.48	
6/18/2014	6:00		23.42	
6/18/2014	7:00		23.36	
6/18/2014	8:00		23.31	
6/18/2014	9:00		23.23	
6/18/2014	10:00		23.18	
6/18/2014	11:00		23.12	
6/18/2014	12:00		23.08	
6/18/2014	13:00		23.06	
6/18/2014	14:00		23.01	
6/18/2014	15:00		22.98	
6/18/2014	16:00		22.93	
6/18/2014	17:00		22.88	
6/18/2014	18:00		22.82	
6/18/2014	19:00		22.76	
6/18/2014	20:00		22.69	

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 2 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc) ^{1/}	Comments
6/18/2014	21:00		22.62	
6/18/2014	22:00		22.55	
6/18/2014	23:00		22.49	
6/19/2014	0:00		22.44	
6/19/2014	1:00		22.40	
6/19/2014	2:00		22.37	
6/19/2014	3:00		22.33	
6/19/2014	4:00		22.30	
6/19/2014	5:00		22.27	
6/19/2014	6:00		22.23	
6/19/2014	7:00		22.20	
6/19/2014	8:00		22.18	
6/19/2014	9:00		22.08	
6/19/2014	10:00		22.00	
6/19/2014	11:00		21.95	
6/19/2014	12:00		21.90	
6/19/2014	12:44		21.86	Pump in Well 31 shut down.
6/19/2014	13:00		21.84	
6/19/2014	14:00		21.80	
6/19/2014	15:00		21.76	
6/19/2014	16:00		21.71	
6/19/2014	17:00		21.67	
6/19/2014	18:00		21.62	
6/19/2014	19:00		21.55	
6/19/2014	20:00		21.49	
6/19/2014	21:00		21.41	
6/19/2014	22:00		21.34	
6/19/2014	23:00		21.26	
6/20/2014	0:00		21.19	
6/20/2014	1:00		21.12	
6/20/2014	2:00		21.06	
6/20/2014	3:00		21.00	
6/20/2014	4:00		20.95	
6/20/2014	5:00		20.88	
6/20/2014	6:00		20.82	
6/20/2014	7:00		20.76	
6/20/2014	8:00		20.67	
6/20/2014	9:00		20.58	
6/20/2014	10:00		20.48	
6/20/2014	11:00		20.38	
6/20/2014	12:00		20.30	
6/20/2014	13:00		20.20	
6/20/2014	14:00		20.12	
6/20/2014	15:00		20.04	
6/20/2014	16:00		19.98	
6/20/2014	17:00		19.92	
6/20/2014	18:00		19.86	
6/20/2014	19:00		19.79	
6/20/2014	20:00		19.73	
6/20/2014	21:00		19.66	
6/20/2014	22:00		19.59	
6/20/2014	23:00		19.52	
6/21/2014	0:00		19.44	
6/21/2014	1:00		19.38	
6/21/2014	2:00		19.33	
6/21/2014	3:00		19.27	
6/21/2014	4:00		19.23	
6/21/2014	5:00		19.20	
6/21/2014	6:00		19.17	
6/21/2014	7:00		19.13	

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 2 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc) ^{1/}	Comments
6/21/2014	8:00		19.07	
6/21/2014	9:00		19.02	
6/21/2014	10:00		18.94	
6/21/2014	11:00		18.86	
6/21/2014	12:00		18.78	
6/21/2014	13:00		18.69	
6/21/2014	14:00		18.62	
6/21/2014	15:00		18.56	
6/21/2014	16:00		18.50	
6/21/2014	17:00		18.47	
6/21/2014	18:00		18.42	
6/21/2014	19:00		18.38	
6/21/2014	20:00		18.35	
6/21/2014	21:00		18.31	
6/21/2014	22:00		18.27	
6/21/2014	23:00		18.21	
6/22/2014	0:00		18.16	
6/22/2014	1:00		18.11	
6/22/2014	2:00		18.07	
6/22/2014	3:00		18.03	
6/22/2014	4:00		18.00	
6/22/2014	5:00		17.97	
6/22/2014	6:00		17.96	
6/22/2014	7:00		17.95	
6/22/2014	8:00		17.94	
6/22/2014	9:00		17.90	
6/22/2014	10:00		17.86	
6/22/2014	11:00		17.79	
6/22/2014	12:00		17.72	
6/22/2014	13:00		17.66	
6/22/2014	14:00		17.59	
6/22/2014	15:00		17.54	
6/22/2014	16:00		17.49	
6/22/2014	17:00		17.45	
6/22/2014	18:00		17.43	
6/22/2014	19:00		17.40	
6/22/2014	20:00		17.39	
6/22/2014	21:00		17.37	
6/22/2014	22:00		17.35	
6/22/2014	23:00		17.31	
6/23/2014	0:00		17.27	
6/23/2014	1:00		17.23	
6/23/2014	2:00		17.20	
6/23/2014	3:00		17.17	
6/23/2014	4:00		17.14	
6/23/2014	5:00		17.13	
6/23/2014	6:00		17.13	
6/23/2014	7:00		17.13	
6/23/2014	8:00		17.13	
6/23/2014	9:00		17.12	
6/23/2014	10:00		17.09	
6/23/2014	11:00		17.04	
6/23/2014	12:00		16.99	
6/23/2014	13:00		16.93	
6/23/2014	14:00		16.87	
6/23/2014	15:00		16.81	
6/23/2014	16:00		16.75	
6/23/2014	17:00		16.73	
6/23/2014	18:00		16.70	
6/23/2014	19:00		16.68	

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Summary of Water-Level Measurements Collected from Well 2 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc) ^{1/}	Comments
6/23/2014	20:00		16.67	
6/23/2014	21:00		16.66	
6/23/2014	22:00		16.65	
6/23/2014	23:00		16.63	
6/24/2014	0:00		16.60	
6/24/2014	1:00		16.57	
6/24/2014	2:00		16.54	
6/24/2014	3:00		16.50	
6/24/2014	4:00		16.48	
6/24/2014	5:00		16.46	
6/24/2014	6:00		16.45	
6/24/2014	7:00		16.45	
6/24/2014	8:00		16.47	
6/24/2014	9:00		16.46	
6/24/2014	10:00		16.44	
6/24/2014	11:00		16.43	

ft btoc feet below top of casing

gpm gallons per minute

NM not measured

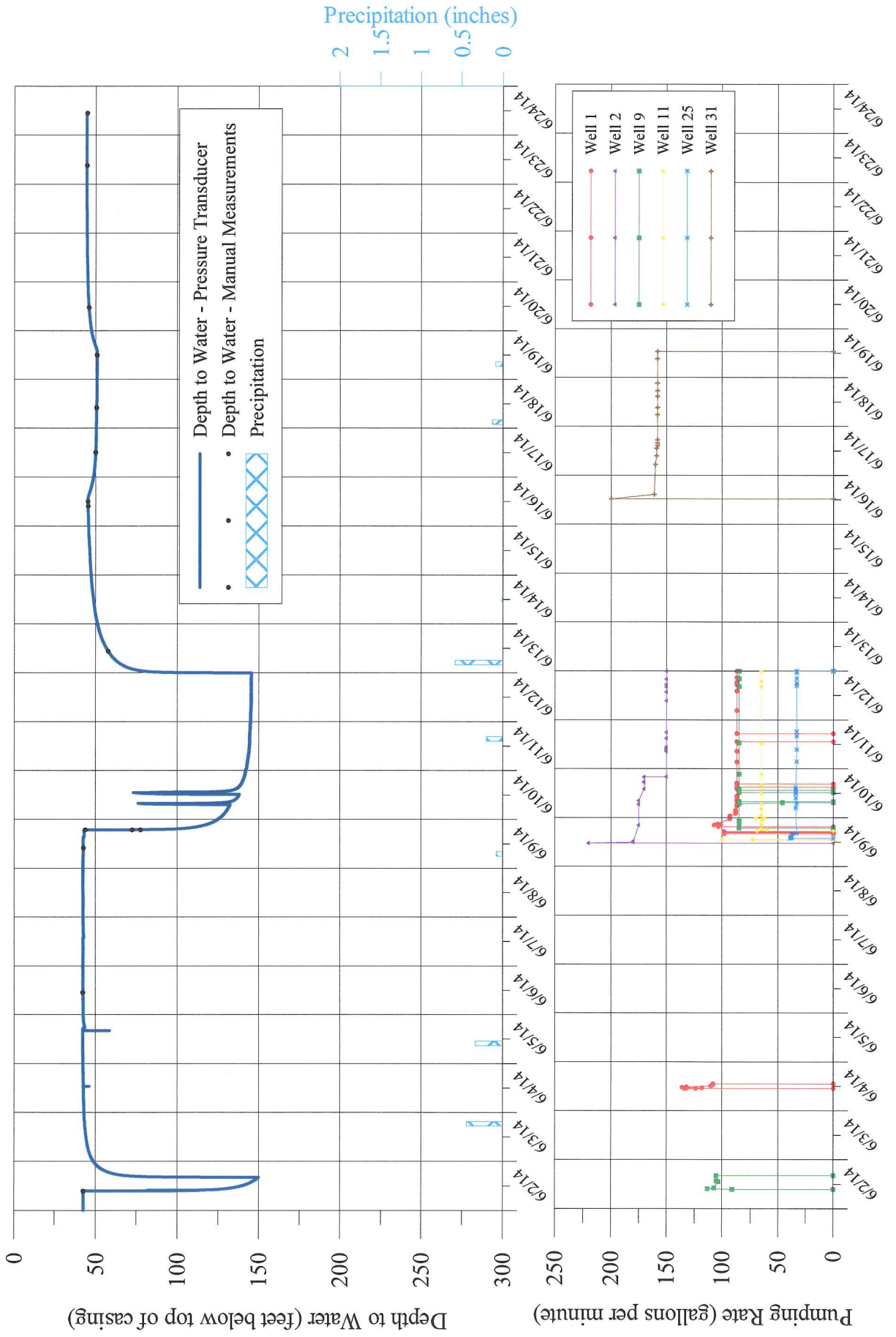
1/ The pressure transducer in Well 2 could not be installed past 40 ft btoc in the well.
Therefore, manual water-level measurements have been reported for time during the
simultaneous pumping test and water-level recovery period when the water level was
below bottom of transducer.

K:\Jobs\Silo Ridge\72-Hour Pumping Test\Reporting\Water Level tables\Well 2.docx

WELL 9

SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 9 During Pumping Tests Conducted June 9 Through 19, 2014



**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 9 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
5/30/2014	20:00	--	45.39	
5/31/2014	0:00	--	44.07	
5/31/2014	4:00	--	43.48	
5/31/2014	8:00	--	43.21	
5/31/2014	12:00	--	43.12	
5/31/2014	16:00	--	42.96	
5/31/2014	20:00	--	42.87	
6/1/2014	0:00	--	42.85	
6/1/2014	4:00	--	42.81	
6/1/2014	8:00	--	42.79	
6/1/2014	12:00	--	42.83	
6/1/2014	16:00	--	42.69	
6/1/2014	20:00	--	42.60	
6/2/2014	0:00	--	42.62	
6/2/2014	4:00	--	42.62	
6/2/2014	8:00	--	42.59	
6/2/2014	12:00	--	139.81	Preliminary test on Well 9 being conducted.
6/2/2014	16:00	--	149.74	
6/2/2014	20:00	--	54.21	Preliminary test on Well 9 ended.
6/3/2014	0:00	--	48.84	
6/3/2014	4:00	--	46.40	
6/3/2014	8:00	--	45.07	
6/3/2014	12:00	--	44.27	
6/3/2014	16:00	--	43.72	
6/3/2014	20:00	--	43.29	
6/4/2014	0:00	--	43.04	
6/4/2014	4:00	--	42.88	
6/4/2014	8:00	--	42.76	
6/4/2014	12:00	--	42.67	
6/4/2014	16:00	--	42.60	
6/4/2014	20:00	--	42.47	
6/5/2014	0:00	--	42.42	
6/5/2014	4:00	--	42.40	
6/5/2014	8:00	--	42.35	
6/5/2014	12:00	--	42.31	
6/5/2014	16:00	--	42.30	
6/5/2014	20:00	--	42.96	
6/6/2014	0:00	--	42.60	
6/6/2014	4:00	--	42.50	
6/6/2014	8:00	--	42.47	
6/6/2014	12:00	--	42.42	
6/6/2014	16:00	--	42.40	
6/6/2014	20:00	--	42.41	
6/7/2014	0:00	--	42.45	
6/7/2014	4:00	--	42.42	
6/7/2014	8:00	--	42.46	
6/7/2014	12:00	--	42.42	
6/7/2014	16:00	--	42.65	
6/7/2014	20:00	--	42.48	
6/8/2014	0:00	--	42.44	
6/8/2014	4:00	--	42.43	
6/8/2014	8:00	--	42.48	
6/8/2014	12:00	--	42.42	
6/8/2014	16:00	--	42.35	
6/8/2014	20:00	--	42.38	
6/9/2014	0:00	--	42.38	
6/9/2014	1:00	--	42.37	
6/9/2014	2:00	--	42.42	
6/9/2014	3:00	--	42.40	
6/9/2014	4:00	--	42.41	

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Summary of Water-Level Measurements Collected from Well 9 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/9/2014	5:00	--	42.43	
6/9/2014	6:00	--	42.46	
6/9/2014	7:00	--	42.48	
6/9/2014	8:00	--	42.49	
6/9/2014	9:00	--	42.50	
6/9/2014	10:00	--	42.51	
6/9/2014	11:00	--	42.49	
6/9/2014	11:32	--	42.48	Pump in Well 2 started.
6/9/2014	12:00	--	42.46	
6/9/2014	13:00	--	42.43	
6/9/2014	13:51	--	42.53	Pump in Well 25 started.
6/9/2014	14:00	--	42.55	
6/9/2014	15:00	--	42.61	
6/9/2014	15:03	--	42.60	Pump in Well 28 started.
6/9/2014	15:09	--	42.57	Pump in Well 28 stopped.
6/9/2014	16:00	--	43.16	
6/9/2014	17:00	--	43.11	
6/9/2014	17:24	--	43.06	Pump in Well 11 started.
6/9/2014	18:00	--	43.07	
6/9/2014	18:54	--	43.82	
6/9/2014	18:55	1	62.63	Pump in Well 9 started.
6/9/2014	18:56	2	74.00	
6/9/2014	18:57	3	79.72	
6/9/2014	18:58	4	81.99	
6/9/2014	18:59	5	82.19	
6/9/2014	19:00	6	83.53	Well 9 pumping rate 85 gpm.
6/9/2014	19:01	7	84.73	
6/9/2014	19:02	8	86.07	
6/9/2014	19:03	9	87.27	
6/9/2014	19:04	10	88.45	
6/9/2014	19:05	11	89.65	
6/9/2014	19:06	12	90.46	
6/9/2014	19:07	13	91.40	
6/9/2014	19:08	14	92.25	
6/9/2014	19:09	15	93.04	
6/9/2014	19:10	16	93.88	Well 9 pumping rate 85 gpm.
6/9/2014	19:15	21	97.06	
6/9/2014	19:20	26	99.40	Well 9 pumping rate 85 gpm.
6/9/2014	19:25	31	101.59	Well 9 pumping rate 85 gpm.
6/9/2014	19:30	36	103.19	Pump in Well 1 started.
6/9/2014	19:35	41	104.39	Well 9 pumping rate 85 gpm.
6/9/2014	19:40	46	105.76	
6/9/2014	19:45	51	106.86	Well 9 pumping rate 85 gpm.
6/9/2014	19:55	61	108.60	
6/9/2014	20:05	71	110.12	Well 9 pumping rate 85 gpm.
6/9/2014	20:15	81	111.46	
6/9/2014	20:25	91	112.65	
6/9/2014	20:35	101	113.72	
6/9/2014	20:45	111	114.68	
6/9/2014	20:55	121	115.45	
6/9/2014	21:00	126	115.91	Well 9 pumping rate 85 gpm.
6/9/2014	22:00	186	120.19	Well 9 pumping rate 85 gpm.
6/9/2014	23:00	246	122.97	Well 9 pumping rate 85 gpm.
6/10/2014	0:00	306	124.82	Well 9 pumping rate 85 gpm.
6/10/2014	1:00	366	126.67	Well 9 pumping rate 85 gpm.
6/10/2014	2:00	426	128.03	Well 9 pumping rate 85 gpm.
6/10/2014	3:00	486	129.30	Well 9 pumping rate 85 gpm.
6/10/2014	4:00	546	130.20	Well 9 pumping rate 85 gpm.
6/10/2014	5:00	606	131.00	Well 9 pumping rate 85 gpm.
6/10/2014	6:00	666	131.77	Well 9 pumping rate 85 gpm.

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Summary of Water-Level Measurements Collected from Well 9 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/10/2014	7:00	726	132.47	Well 9 pumping rate 85 gpm.
6/10/2014	7:15	741	129.18	Generator malfunction, pump in Well 9 shut down.
6/10/2014	7:20	746	114.09	
6/10/2014	7:25	751	101.86	
6/10/2014	7:30	756	89.54	
6/10/2014	7:35	761	84.15	
6/10/2014	7:40	766	80.47	
6/10/2014	7:45	771	77.84	
6/10/2014	7:50	776	82.91	Pump in Well 9 restarted.
6/10/2014	8:00	786	118.54	Well 9 pumping rate 85 gpm.
6/10/2014	9:00	846	134.05	Well 9 pumping rate 85 gpm.
6/10/2014	10:00	906	136.16	Well 9 pumping rate 85 gpm.
6/10/2014	11:00	966	137.20	Well 9 pumping rate 85 gpm.
6/10/2014	12:00	1026	138.08	Well 9 pumping rate 85 gpm.
6/10/2014	12:20	1046	138.18	Generator malfunction, pump in Well 9 shut down.
6/10/2014	12:25	1051	103.87	
6/10/2014	12:30	1056	93.40	
6/10/2014	12:35	1061	87.50	
6/10/2014	12:40	1066	83.60	
6/10/2014	12:45	1071	80.80	
6/10/2014	12:50	1076	78.65	
6/10/2014	12:55	1081	76.93	
6/10/2014	13:00	1086	75.54	
6/10/2014	13:05	1091	74.35	
6/10/2014	13:10	1096	73.34	
6/10/2014	13:12	1098	73.11	Pump in Well 9 restarted.
6/10/2014	14:00	1146	131.04	Well 9 pumping rate 85 gpm.
6/10/2014	15:00	1206	136.12	Well 9 pumping rate 85 gpm.
6/10/2014	16:00	1266	137.97	Well 9 pumping rate 85 gpm.
6/10/2014	17:00	1326	139.02	Well 9 pumping rate 85 gpm.
6/10/2014	18:00	1386	139.74	Well 9 pumping rate 85 gpm.
6/10/2014	19:00	1446	140.36	Well 9 pumping rate 85 gpm.
6/10/2014	20:00	1506	140.75	Well 9 pumping rate 85 gpm.
6/10/2014	21:00	1566	141.23	Well 9 pumping rate 85 gpm.
6/10/2014	22:00	1626	141.57	Well 9 pumping rate 85 gpm.
6/10/2014	23:00	1686	141.80	Well 9 pumping rate 85 gpm.
6/11/2014	0:00	1746	142.10	Well 9 pumping rate 85 gpm.
6/11/2014	1:00	1806	142.58	Well 9 pumping rate 85 gpm.
6/11/2014	2:00	1866	142.78	Well 9 pumping rate 85 gpm.
6/11/2014	3:00	1926	142.80	Well 9 pumping rate 85 gpm.
6/11/2014	4:00	1986	143.11	Well 9 pumping rate 85 gpm.
6/11/2014	5:00	2046	143.41	Well 9 pumping rate 85 gpm.
6/11/2014	6:00	2106	143.40	Well 9 pumping rate 85 gpm.
6/11/2014	7:00	2166	143.78	Well 9 pumping rate 85 gpm.
6/11/2014	8:00	2226	143.72	Well 9 pumping rate 85 gpm.
6/11/2014	9:00	2286	144.15	Well 9 pumping rate 85 gpm.
6/11/2014	10:00	2346	144.00	Well 9 pumping rate 85 gpm.
6/11/2014	11:00	2406	144.09	Well 9 pumping rate 85 gpm.
6/11/2014	12:00	2466	144.29	Well 9 pumping rate 85 gpm.
6/11/2014	13:00	2526	144.54	Well 9 pumping rate 85 gpm.
6/11/2014	14:00	2586	144.40	Well 9 pumping rate 85 gpm.
6/11/2014	15:00	2646	144.27	Well 9 pumping rate 85 gpm.
6/11/2014	16:00	2706	144.40	Well 9 pumping rate 85 gpm.
6/11/2014	17:00	2766	144.48	Well 9 pumping rate 85 gpm.
6/11/2014	18:00	2826	144.48	Well 9 pumping rate 85 gpm.
6/11/2014	19:00	2886	144.50	Well 9 pumping rate 85 gpm.
6/11/2014	20:00	2946	144.83	Well 9 pumping rate 85 gpm.
6/11/2014	21:00	3006	144.75	Well 9 pumping rate 85 gpm.
6/11/2014	22:00	3066	144.80	Well 9 pumping rate 85 gpm.
6/11/2014	23:00	3126	144.82	Well 9 pumping rate 85 gpm.

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 9 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/12/2014	0:00	3186	145.00	Well 9 pumping rate 85 gpm.
6/12/2014	1:00	3246	145.05	Well 9 pumping rate 85 gpm.
6/12/2014	2:00	3306	144.90	Well 9 pumping rate 85 gpm.
6/12/2014	3:00	3366	144.93	Well 9 pumping rate 85 gpm.
6/12/2014	4:00	3426	144.97	Well 9 pumping rate 85 gpm.
6/12/2014	5:00	3486	145.17	Well 9 pumping rate 85 gpm.
6/12/2014	6:00	3546	145.26	Well 9 pumping rate 85 gpm.
6/12/2014	7:00	3606	145.28	Well 9 pumping rate 85 gpm.
6/12/2014	8:00	3666	145.24	Well 9 pumping rate 85 gpm.
6/12/2014	9:00	3726	145.12	Well 9 pumping rate 85 gpm.
6/12/2014	10:00	3786	145.40	Well 9 pumping rate 85 gpm.
6/12/2014	11:00	3846	145.36	Well 9 pumping rate 85 gpm.
6/12/2014	12:00	3906	145.38	Well 9 pumping rate 85 gpm.
6/12/2014	13:00	3966	145.41	Well 9 pumping rate 85 gpm.
6/12/2014	14:00	4026	145.29	Well 9 pumping rate 85 gpm.
6/12/2014	15:00	4086	145.38	Well 9 pumping rate 85 gpm.
6/12/2014	16:00	4146	145.26	Well 9 pumping rate 85 gpm.
6/12/2014	17:00	4206	145.37	Well 9 pumping rate 85 gpm.
6/12/2014	18:00	4266	145.47	Well 9 pumping rate 85 gpm.
6/12/2014	19:00	4326	145.34	Well 9 pumping rate 85 gpm.
6/12/2014	20:00	4386	145.43	Well 9 pumping rate 85 gpm.
6/12/2014	21:00	4446	145.55	Well 9 pumping rate 85 gpm.
6/12/2014	22:00	4506	145.53	Well 9 pumping rate 85 gpm.
6/12/2014	23:00	4566	145.45	Well 9 pumping rate 85 gpm.
6/12/2014	23:53	4619	145.48	Well 9 pumping rate 85 gpm.
6/12/2014	23:54	4620	145.34	Well 9 pumping rate 85 gpm.
6/12/2014	23:55	--	129.90	Pump in Well 9 shut down.
6/12/2014	23:56	--	121.62	
6/12/2014	23:57	--	116.39	
6/12/2014	23:58	--	112.51	
6/12/2014	23:59	--	109.50	
6/13/2014	0:00	--	106.93	
6/13/2014	0:01	--	104.64	
6/13/2014	0:02	--	102.70	
6/13/2014	0:03	--	100.94	
6/13/2014	0:04	--	99.42	
6/13/2014	0:05	--	98.06	
6/13/2014	0:06	--	96.90	
6/13/2014	0:07	--	95.76	
6/13/2014	0:08	--	94.73	
6/13/2014	0:09	--	93.78	
6/13/2014	0:14	--	89.96	
6/13/2014	0:19	--	87.20	
6/13/2014	0:24	--	85.09	
6/13/2014	0:29	--	83.41	
6/13/2014	0:34	--	82.01	
6/13/2014	0:39	--	80.80	
6/13/2014	0:44	--	79.78	
6/13/2014	0:54	--	78.03	
6/13/2014	1:04	--	76.58	
6/13/2014	1:14	--	75.37	
6/13/2014	1:24	--	74.32	
6/13/2014	1:34	--	73.40	
6/13/2014	1:44	--	72.56	
6/13/2014	1:54	--	71.82	
6/13/2014	2:04	--	71.14	
6/13/2014	2:14	--	70.50	
6/13/2014	2:24	--	69.91	
6/13/2014	2:34	--	69.36	
6/13/2014	2:44	--	68.85	

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 9 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/13/2014	2:54	--	68.37	
6/13/2014	3:00	--	68.10	
6/13/2014	4:00	--	65.73	
6/13/2014	5:00	--	63.86	
6/13/2014	6:00	--	62.30	
6/13/2014	7:00	--	61.02	
6/13/2014	8:00	--	59.88	
6/13/2014	9:00	--	58.91	
6/13/2014	10:00	--	58.04	
6/13/2014	11:00	--	57.23	
6/13/2014	12:00	--	56.56	
6/13/2014	13:00	--	55.85	
6/13/2014	14:00	--	55.25	
6/13/2014	15:00	--	54.66	
6/13/2014	16:00	--	54.08	
6/13/2014	17:00	--	53.62	
6/13/2014	18:00	--	53.17	
6/13/2014	19:00	--	52.78	
6/13/2014	20:00	--	52.36	
6/13/2014	21:00	--	52.05	
6/13/2014	22:00	--	51.70	
6/13/2014	23:00	--	51.40	
6/14/2014	0:00	--	51.15	
6/14/2014	1:00	--	50.87	
6/14/2014	2:00	--	50.61	
6/14/2014	3:00	--	50.29	
6/14/2014	4:00	--	50.10	
6/14/2014	5:00	--	49.87	
6/14/2014	6:00	--	49.68	
6/14/2014	7:00	--	49.48	
6/14/2014	8:00	--	49.32	
6/14/2014	9:00	--	49.18	
6/14/2014	10:00	--	49.03	
6/14/2014	11:00	--	48.88	
6/14/2014	12:00	--	48.73	
6/14/2014	13:00	--	48.58	
6/14/2014	14:00	--	48.42	
6/14/2014	15:00	--	48.26	
6/14/2014	16:00	--	48.12	
6/14/2014	17:00	--	47.96	
6/14/2014	18:00	--	47.82	
6/14/2014	19:00	--	47.70	
6/14/2014	20:00	--	47.62	
6/14/2014	21:00	--	47.51	
6/14/2014	22:00	--	47.43	
6/14/2014	23:00	--	47.33	
6/15/2014	0:00	--	47.25	
6/15/2014	1:00	--	47.15	
6/15/2014	2:00	--	47.07	
6/15/2014	3:00	--	46.98	
6/15/2014	4:00	--	46.89	
6/15/2014	5:00	--	46.78	
6/15/2014	6:00	--	46.72	
6/15/2014	7:00	--	46.65	
6/15/2014	8:00	--	46.60	
6/15/2014	9:00	--	46.55	
6/15/2014	10:00	--	46.53	
6/15/2014	11:00	--	46.48	
6/15/2014	12:00	--	46.42	
6/15/2014	13:00	--	46.34	

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 9 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/15/2014	14:00	--	46.27	
6/15/2014	15:00	--	46.19	
6/15/2014	16:00	--	46.12	
6/15/2014	17:00	--	46.02	
6/15/2014	18:00	--	45.94	
6/15/2014	19:00	--	45.88	
6/15/2014	20:00	--	45.81	
6/15/2014	21:00	--	45.76	
6/15/2014	22:00	--	45.74	
6/15/2014	23:00	--	45.70	
6/16/2014	0:00	--	45.68	
6/16/2014	1:00	--	45.64	
6/16/2014	2:00	--	45.61	
6/16/2014	3:00	--	45.57	
6/16/2014	4:00	--	45.52	
6/16/2014	5:00	--	45.49	
6/16/2014	6:00	--	45.44	
6/16/2014	7:00	--	45.40	
6/16/2014	8:00	--	45.37	
6/16/2014	9:00	--	45.33	
6/16/2014	10:00	--	45.32	
6/16/2014	11:00	--	45.30	
6/16/2014	12:00	--	45.27	
6/16/2014	12:25	--	45.27	Pump in Well 31 started.
6/16/2014	13:00	--	45.24	
6/16/2014	14:00	--	45.45	
6/16/2014	15:00	--	45.82	
6/16/2014	16:00	--	46.23	
6/16/2014	17:00	--	46.64	
6/16/2014	18:00	--	47.01	
6/16/2014	19:00	--	47.33	
6/16/2014	20:00	--	47.63	
6/16/2014	21:00	--	47.93	
6/16/2014	22:00	--	48.20	
6/16/2014	23:00	--	48.44	
6/17/2014	0:00	--	48.66	
6/17/2014	1:00	--	48.85	
6/17/2014	2:00	--	49.03	
6/17/2014	3:00	--	49.17	
6/17/2014	4:00	--	49.29	
6/17/2014	5:00	--	49.41	
6/17/2014	6:00	--	49.51	
6/17/2014	7:00	--	49.61	
6/17/2014	8:00	--	49.70	
6/17/2014	9:00	--	49.79	
6/17/2014	10:00	--	49.87	
6/17/2014	11:00	--	49.94	
6/17/2014	12:00	--	50.00	
6/17/2014	13:00	--	50.06	
6/17/2014	14:00	--	50.11	
6/17/2014	15:00	--	50.15	
6/17/2014	16:00	--	50.16	
6/17/2014	17:00	--	50.18	
6/17/2014	18:00	--	50.19	
6/17/2014	19:00	--	50.18	
6/17/2014	20:00	--	50.20	
6/17/2014	21:00	--	50.21	
6/17/2014	22:00	--	50.26	
6/17/2014	23:00	--	50.26	
6/18/2014	0:00	--	50.30	

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 9 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/18/2014	1:00	--	50.31	
6/18/2014	2:00	--	50.38	
6/18/2014	3:00	--	50.36	
6/18/2014	4:00	--	50.39	
6/18/2014	5:00	--	50.42	
6/18/2014	6:00	--	50.41	
6/18/2014	7:00	--	50.43	
6/18/2014	8:00	--	50.45	
6/18/2014	9:00	--	50.47	
6/18/2014	10:00	--	50.49	
6/18/2014	11:00	--	50.53	
6/18/2014	12:00	--	50.58	
6/18/2014	13:00	--	50.61	
6/18/2014	14:00	--	50.64	
6/18/2014	15:00	--	50.67	
6/18/2014	16:00	--	50.67	
6/18/2014	17:00	--	50.68	
6/18/2014	18:00	--	50.70	
6/18/2014	19:00	--	50.69	
6/18/2014	20:00	--	50.69	
6/18/2014	21:00	--	50.70	
6/18/2014	22:00	--	50.71	
6/18/2014	23:00	--	50.72	
6/19/2014	0:00	--	50.74	
6/19/2014	1:00	--	50.75	
6/19/2014	2:00	--	50.77	
6/19/2014	3:00	--	50.79	
6/19/2014	4:00	--	50.82	
6/19/2014	5:00	--	50.83	
6/19/2014	6:00	--	50.83	
6/19/2014	7:00	--	50.85	
6/19/2014	8:00	--	50.85	
6/19/2014	9:00	--	50.85	
6/19/2014	10:00	--	50.85	
6/19/2014	11:00	--	50.84	
6/19/2014	12:00	--	50.85	
6/19/2014	12:44	--	50.86	Pump in Well 31 shut down.
6/19/2014	13:00	--	50.87	
6/19/2014	14:00	--	50.78	
6/19/2014	15:00	--	50.47	
6/19/2014	16:00	--	50.05	
6/19/2014	17:00	--	49.60	
6/19/2014	18:00	--	49.18	
6/19/2014	19:00	--	48.79	
6/19/2014	20:00	--	48.44	
6/19/2014	21:00	--	48.11	
6/19/2014	22:00	--	47.85	
6/19/2014	23:00	--	47.59	
6/20/2014	0:00	--	47.36	
6/20/2014	1:00	--	47.18	
6/20/2014	2:00	--	47.00	
6/20/2014	3:00	--	46.85	
6/20/2014	4:00	--	46.70	
6/20/2014	5:00	--	46.57	
6/20/2014	6:00	--	46.45	
6/20/2014	7:00	--	46.33	
6/20/2014	8:00	--	46.23	
6/20/2014	9:00	--	46.09	
6/20/2014	10:00	--	45.98	
6/20/2014	11:00	--	45.89	

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Summary of Water-Level Measurements Collected from Well 9 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/20/2014	12:00	--	45.80	
6/20/2014	13:00	--	45.70	
6/20/2014	14:00	--	45.64	
6/20/2014	15:00	--	45.61	
6/20/2014	16:00	--	45.52	
6/20/2014	17:00	--	45.46	
6/20/2014	18:00	--	45.40	
6/20/2014	19:00	--	45.35	
6/20/2014	20:00	--	45.30	
6/20/2014	21:00	--	45.25	
6/20/2014	22:00	--	45.22	
6/20/2014	23:00	--	45.18	
6/21/2014	0:00	--	45.14	
6/21/2014	1:00	--	45.10	
6/21/2014	2:00	--	45.09	
6/21/2014	3:00	--	45.05	
6/21/2014	4:00	--	45.04	
6/21/2014	5:00	--	45.04	
6/21/2014	6:00	--	45.03	
6/21/2014	7:00	--	45.00	
6/21/2014	8:00	--	44.98	
6/21/2014	9:00	--	44.95	
6/21/2014	10:00	--	44.89	
6/21/2014	11:00	--	44.85	
6/21/2014	12:00	--	44.82	
6/21/2014	13:00	--	44.76	
6/21/2014	14:00	--	44.73	
6/21/2014	15:00	--	44.71	
6/21/2014	16:00	--	44.70	
6/21/2014	17:00	--	44.68	
6/21/2014	18:00	--	44.68	
6/21/2014	19:00	--	44.66	
6/21/2014	20:00	--	44.65	
6/21/2014	21:00	--	44.64	
6/21/2014	22:00	--	44.62	
6/21/2014	23:00	--	44.61	
6/22/2014	0:00	--	44.59	
6/22/2014	1:00	--	44.58	
6/22/2014	2:00	--	44.59	
6/22/2014	3:00	--	44.58	
6/22/2014	4:00	--	44.59	
6/22/2014	5:00	--	44.57	
6/22/2014	6:00	--	44.59	
6/22/2014	7:00	--	44.60	
6/22/2014	8:00	--	44.61	
6/22/2014	9:00	--	44.59	
6/22/2014	10:00	--	44.58	
6/22/2014	11:00	--	44.55	
6/22/2014	12:00	--	44.52	
6/22/2014	13:00	--	44.49	
6/22/2014	14:00	--	44.48	
6/22/2014	15:00	--	44.44	
6/22/2014	16:00	--	44.46	
6/22/2014	17:00	--	44.45	
6/22/2014	18:00	--	44.45	
6/22/2014	19:00	--	44.46	
6/22/2014	20:00	--	44.46	
6/22/2014	21:00	--	44.45	
6/22/2014	22:00	--	44.46	
6/22/2014	23:00	--	44.46	

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Summary of Water-Level Measurements Collected from Well 9 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/23/2014	0:00	--	44.45	
6/23/2014	1:00	--	44.48	
6/23/2014	2:00	--	44.44	
6/23/2014	3:00	--	44.44	
6/23/2014	4:00	--	44.45	
6/23/2014	5:00	--	44.46	
6/23/2014	6:00	--	44.48	
6/23/2014	7:00	--	44.50	
6/23/2014	8:00	--	44.51	
6/23/2014	9:00	--	44.53	
6/23/2014	10:00	--	44.51	
6/23/2014	11:00	--	44.50	
6/23/2014	12:00	--	44.47	
6/23/2014	13:00	--	44.42	
6/23/2014	14:00	--	44.41	
6/23/2014	15:00	--	44.40	
6/23/2014	16:00	--	44.38	
6/23/2014	17:00	--	44.38	
6/23/2014	18:00	--	44.38	
6/23/2014	19:00	--	44.40	
6/23/2014	20:00	--	44.40	
6/23/2014	21:00	--	44.45	
6/23/2014	22:00	--	44.42	
6/23/2014	23:00	--	44.41	
6/24/2014	0:00	--	44.42	
6/24/2014	1:00	--	44.41	
6/24/2014	2:00	--	44.44	
6/24/2014	3:00	--	44.40	
6/24/2014	4:00	--	44.41	
6/24/2014	5:00	--	44.41	
6/24/2014	6:00	--	44.43	
6/24/2014	7:00	--	44.43	
6/24/2014	8:00	--	44.46	
6/24/2014	9:00	--	44.48	
6/24/2014	10:00	--	44.60	

ft btoc feet below top of casing

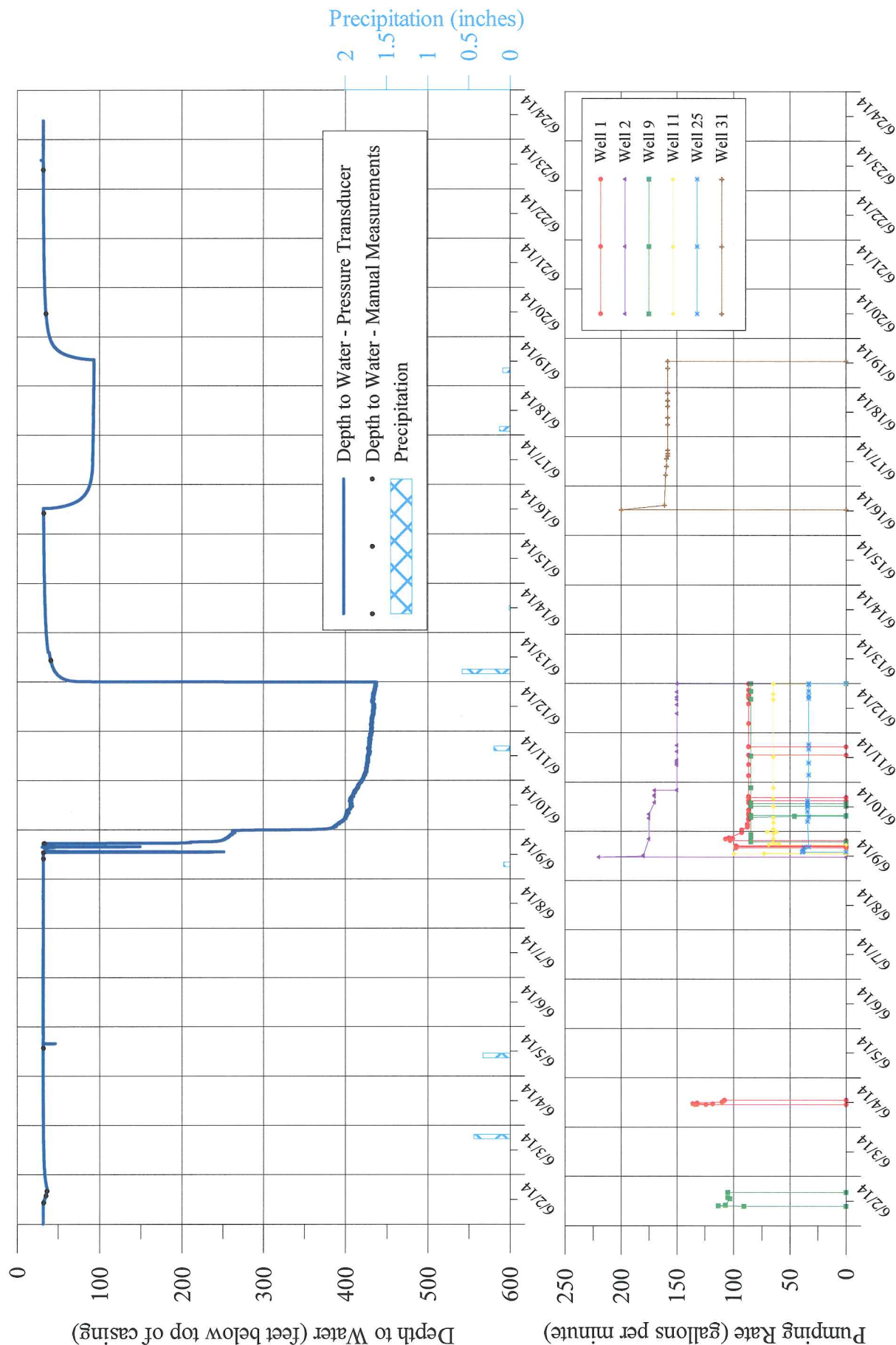
gpm gallons per minute

K:\Jobs\Silo Ridge\72-Hour Pumping Test\Reporting\Water Level tables\Well 9.docx

WELL 11

SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 11 During Pumping Tests Conducted June 9 Through 19, 2014



**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 11 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
5/28/2014	20:00	--	55.39	
5/29/2014	0:00	--	42.39	
5/29/2014	4:00	--	37.49	
5/29/2014	8:00	--	35.17	
5/29/2014	12:00	--	33.99	
5/29/2014	16:00	--	195.23	Preliminary test on Well 11 conducted.
5/29/2014	20:00	--	38.40	
5/30/2014	0:00	--	34.69	
5/30/2014	4:00	--	33.42	
5/30/2014	8:00	--	32.82	
5/30/2014	12:00	--	32.64	
5/30/2014	16:00	--	33.14	
5/30/2014	20:00	--	33.00	
5/31/2014	0:00	--	32.61	
5/31/2014	4:00	--	32.42	
5/31/2014	8:00	--	32.26	
5/31/2014	12:00	--	32.22	
5/31/2014	16:00	--	32.19	
5/31/2014	20:00	--	32.08	
6/1/2014	0:00	--	32.12	
6/1/2014	4:00	--	32.07	
6/1/2014	8:00	--	32.05	
6/1/2014	12:00	--	32.09	
6/1/2014	16:00	--	32.02	
6/1/2014	20:00	--	32.00	
6/2/2014	0:00	--	32.00	
6/2/2014	4:00	--	32.01	
6/2/2014	8:00	--	31.90	
6/2/2014	12:00	--	33.90	
6/2/2014	16:00	--	36.56	
6/2/2014	20:00	--	35.26	
6/3/2014	0:00	--	33.96	
6/3/2014	4:00	--	33.30	
6/3/2014	8:00	--	32.87	
6/3/2014	12:00	--	32.62	
6/3/2014	16:00	--	32.50	
6/3/2014	20:00	--	32.34	
6/4/2014	0:00	--	32.21	
6/4/2014	4:00	--	32.24	
6/4/2014	8:00	--	32.15	
6/4/2014	12:00	--	32.13	
6/4/2014	16:00	--	32.10	
6/4/2014	20:00	--	31.99	
6/5/2014	0:00	--	32.05	
6/5/2014	4:00	--	32.02	
6/5/2014	8:00	--	31.97	
6/5/2014	12:00	--	31.93	
6/5/2014	16:00	--	32.78	
6/5/2014	20:00	--	32.18	
6/6/2014	0:00	--	32.11	
6/6/2014	4:00	--	32.10	
6/6/2014	8:00	--	32.21	
6/6/2014	12:00	--	32.18	
6/6/2014	16:00	--	32.08	
6/6/2014	20:00	--	32.14	
6/7/2014	0:00	--	32.12	
6/7/2014	4:00	--	32.19	
6/7/2014	8:00	--	32.14	
6/7/2014	12:00	--	32.14	
6/7/2014	16:00	--	32.22	

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Summary of Water-Level Measurements Collected from Well 11 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/7/2014	20:00	--	32.20	
6/8/2014	0:00	--	32.20	
6/8/2014	4:00	--	32.18	
6/8/2014	8:00	--	32.32	
6/8/2014	12:00	--	32.22	
6/8/2014	16:00	--	32.21	
6/8/2014	20:00	--	32.32	
6/9/2014	0:00	--	32.22	
6/9/2014	1:00	--	32.24	
6/9/2014	2:00	--	32.24	
6/9/2014	3:00	--	32.23	
6/9/2014	4:00	--	32.22	
6/9/2014	5:00	--	32.23	
6/9/2014	6:00	--	32.24	
6/9/2014	7:00	--	32.28	
6/9/2014	8:00	--	32.28	
6/9/2014	9:00	--	32.30	
6/9/2014	10:00	--	32.28	
6/9/2014	11:00	--	32.28	
6/9/2014	11:32	--	32.25	Pump in Well 2 started.
6/9/2014	12:00	--	32.27	
6/9/2014	12:56	--	32.27	
6/9/2014	12:57	--	32.26	
6/9/2014	12:58	--	71.79	Initial start of pump in Well 11.
6/9/2014	12:59	--	130.69	Well 11 pumping rate 100 gpm.
6/9/2014	13:00	--	173.96	Pumping rate reduced.
6/9/2014	13:01	--	205.53	
6/9/2014	13:02	--	230.07	
6/9/2014	13:03	--	234.75	
6/9/2014	13:04	--	232.11	
6/9/2014	13:05	--	229.29	
6/9/2014	13:06	--	227.26	Well 11 pumping rate 73 gpm.
6/9/2014	13:07	--	236.05	
6/9/2014	13:08	--	239.42	
6/9/2014	13:09	--	240.68	
6/9/2014	13:10	--	242.68	
6/9/2014	13:11	--	244.69	
6/9/2014	13:12	--	247.32	
6/9/2014	13:13	--	248.75	
6/9/2014	13:14	--	251.56	Well 11 pumping rate 73 gpm.
6/9/2014	13:15	--	251.21	
6/9/2014	13:16	--	235.31	Pump in Well 11 shut down.
6/9/2014	13:17	--	192.44	
6/9/2014	13:51	--	36.37	Pump in Well 25 started.
6/9/2014	14:00	--	35.70	
6/9/2014	15:00	--	33.78	
6/9/2014	15:03	--	33.78	Pump in Well 28 started.
6/9/2014	15:09	--	33.73	Pump in Well 28 stopped.
6/9/2014	15:38	--	32.00	
6/9/2014	15:39	--	70.34	Test of pump in Well 11 after wiring was repaired.
6/9/2014	15:40	--	104.97	
6/9/2014	15:41	--	130.94	
6/9/2014	15:42	--	149.21	
6/9/2014	16:00	--	34.48	
6/9/2014	16:51	--	32.31	
6/9/2014	17:00	--	32.26	
6/9/2014	17:22	--	33.37	
6/9/2014	17:23	--	33.33	
6/9/2014	17:24	1	71.04	Pump in Well 11 restarted.
6/9/2014	17:25	2	108.67	

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Summary of Water-Level Measurements Collected from Well 11 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/9/2014	17:26	3	134.24	
6/9/2014	17:27	4	153.28	
6/9/2014	17:28	5	167.53	
6/9/2014	17:29	6	178.47	
6/9/2014	17:30	7	185.48	Well 11 pumping rate 69 gpm.
6/9/2014	17:31	8	190.78	
6/9/2014	17:32	9	194.76	
6/9/2014	17:33	10	197.74	
6/9/2014	17:34	11	199.74	
6/9/2014	17:35	12	201.72	
6/9/2014	17:36	13	204.00	
6/9/2014	17:37	14	205.04	
6/9/2014	17:38	15	205.76	
6/9/2014	17:39	16	206.72	
6/9/2014	17:44	21	209.30	Well 11 pumping rate 65 gpm.
6/9/2014	17:49	26	209.31	
6/9/2014	17:54	31	210.08	Well 11 pumping rate 65 gpm.
6/9/2014	17:59	36	210.41	
6/9/2014	18:04	41	211.83	Well 11 pumping rate 65 gpm.
6/9/2014	18:09	46	229.67	
6/9/2014	18:14	51	236.49	Well 11 pumping rate 65 gpm.
6/9/2014	18:24	61	243.81	Well 11 pumping rate 65 gpm.
6/9/2014	18:34	71	246.43	Well 11 pumping rate 65 gpm.
6/9/2014	18:44	81	248.42	
6/9/2014	18:54	91	249.97	
6/9/2014	18:55	92	250.16	Pump in Well 9 started.
6/9/2014	19:00	97	251.44	Well 11 pumping rate 65 gpm.
6/9/2014	19:30	127	254.02	Pump in Well 1 started.
6/9/2014	20:00	157	255.31	Well 11 pumping rate 65 gpm.
6/9/2014	21:00	217	257.99	Well 11 pumping rate 65 gpm.
6/9/2014	22:00	277	260.97	Well 11 pumping rate 65 gpm.
6/9/2014	23:00	337	262.80	Well 11 pumping rate 62 gpm.
6/9/2014	23:45	382	266.64	Rate manually increased.
6/10/2014	0:00	397	340.14	Well 11 pumping rate 70 gpm.
6/10/2014	1:00	457	384.88	Well 11 pumping rate 65 gpm.
6/10/2014	2:00	517	387.37	Well 11 pumping rate 65 gpm.
6/10/2014	3:00	577	392.71	Well 11 pumping rate 65 gpm.
6/10/2014	4:00	637	395.10	Well 11 pumping rate 65 gpm.
6/10/2014	5:00	697	397.87	Well 11 pumping rate 65 gpm.
6/10/2014	6:00	757	399.67	Well 11 pumping rate 65 gpm.
6/10/2014	7:00	817	401.49	Well 11 pumping rate 65 gpm.
6/10/2014	8:00	877	403.37	Well 11 pumping rate 65 gpm.
6/10/2014	9:00	937	403.09	Well 11 pumping rate 65 gpm.
6/10/2014	10:00	997	405.09	Well 11 pumping rate 65 gpm.
6/10/2014	11:00	1057	407.09	Well 11 pumping rate 65 gpm.
6/10/2014	12:00	1117	406.71	Well 11 pumping rate 65 gpm.
6/10/2014	13:00	1177	406.10	Well 11 pumping rate 65 gpm.
6/10/2014	14:00	1237	405.92	Well 11 pumping rate 65 gpm.
6/10/2014	15:00	1297	406.95	Well 11 pumping rate 65 gpm.
6/10/2014	16:00	1357	407.63	Well 11 pumping rate 65 gpm.
6/10/2014	17:00	1417	410.08	Well 11 pumping rate 65 gpm.
6/10/2014	18:00	1477	411.87	Well 11 pumping rate 65 gpm.
6/10/2014	19:00	1537	411.70	Well 11 pumping rate 65 gpm.
6/10/2014	20:00	1597	414.38	Well 11 pumping rate 65 gpm.
6/10/2014	21:00	1657	415.09	Well 11 pumping rate 65 gpm.
6/10/2014	22:00	1717	415.90	Well 11 pumping rate 65 gpm.
6/10/2014	23:00	1777	418.94	Well 11 pumping rate 65 gpm.
6/11/2014	0:00	1837	418.94	Well 11 pumping rate 65 gpm.
6/11/2014	1:00	1897	421.25	Well 11 pumping rate 65 gpm.
6/11/2014	2:00	1957	421.95	Well 11 pumping rate 65 gpm.

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Summary of Water-Level Measurements Collected from Well 11 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/11/2014	3:00	2017	424.23	Well 11 pumping rate 65 gpm.
6/11/2014	4:00	2077	424.69	Well 11 pumping rate 65 gpm.
6/11/2014	5:00	2137	425.90	Well 11 pumping rate 65 gpm.
6/11/2014	6:00	2197	425.52	Well 11 pumping rate 65 gpm.
6/11/2014	7:00	2257	425.46	Well 11 pumping rate 65 gpm.
6/11/2014	8:00	2317	427.05	Well 11 pumping rate 65 gpm.
6/11/2014	9:00	2377	427.02	Well 11 pumping rate 65 gpm.
6/11/2014	10:00	2437	426.53	Well 11 pumping rate 65 gpm.
6/11/2014	11:00	2497	427.16	Well 11 pumping rate 65 gpm.
6/11/2014	12:00	2557	428.53	Well 11 pumping rate 65 gpm.
6/11/2014	13:00	2617	428.92	Well 11 pumping rate 65 gpm.
6/11/2014	14:00	2677	430.49	Well 11 pumping rate 65 gpm.
6/11/2014	15:00	2737	428.33	Well 11 pumping rate 65 gpm.
6/11/2014	16:00	2797	427.83	Well 11 pumping rate 65 gpm.
6/11/2014	17:00	2857	430.07	Well 11 pumping rate 65 gpm.
6/11/2014	18:00	2917	429.00	Well 11 pumping rate 65 gpm.
6/11/2014	19:00	2977	430.18	Well 11 pumping rate 65 gpm.
6/11/2014	20:00	3037	429.37	Well 11 pumping rate 65 gpm.
6/11/2014	21:00	3097	430.38	Well 11 pumping rate 65 gpm.
6/11/2014	22:00	3157	430.23	Well 11 pumping rate 65 gpm.
6/11/2014	23:00	3217	430.81	Well 11 pumping rate 65 gpm.
6/12/2014	0:00	3277	431.36	Well 11 pumping rate 65 gpm.
6/12/2014	1:00	3337	432.14	Well 11 pumping rate 65 gpm.
6/12/2014	2:00	3397	431.46	Well 11 pumping rate 65 gpm.
6/12/2014	3:00	3457	431.18	Well 11 pumping rate 65 gpm.
6/12/2014	4:00	3517	431.82	Well 11 pumping rate 65 gpm.
6/12/2014	5:00	3577	432.29	Well 11 pumping rate 65 gpm.
6/12/2014	6:00	3637	432.47	Well 11 pumping rate 65 gpm.
6/12/2014	7:00	3697	431.81	Well 11 pumping rate 65 gpm.
6/12/2014	8:00	3757	433.33	Well 11 pumping rate 65 gpm.
6/12/2014	9:00	3817	433.99	Well 11 pumping rate 65 gpm.
6/12/2014	10:00	3877	434.21	Well 11 pumping rate 65 gpm.
6/12/2014	11:00	3937	434.16	Well 11 pumping rate 65 gpm.
6/12/2014	12:00	3997	432.92	Well 11 pumping rate 65 gpm.
6/12/2014	13:00	4057	433.66	Well 11 pumping rate 65 gpm.
6/12/2014	14:00	4117	432.94	Well 11 pumping rate 65 gpm.
6/12/2014	15:00	4177	432.79	Well 11 pumping rate 65 gpm.
6/12/2014	16:00	4237	433.37	Well 11 pumping rate 65 gpm.
6/12/2014	17:00	4297	433.25	Well 11 pumping rate 65 gpm.
6/12/2014	17:30	4327	434.40	Well 11 pumping rate 65 gpm.
6/12/2014	17:53	4350	434.41	Well 11 pumping rate 65 gpm.
6/12/2014	18:00	4357	434.43	Well 11 pumping rate 65 gpm.
6/12/2014	18:30	4387	434.30	Well 11 pumping rate 65 gpm.
6/12/2014	19:00	4417	434.90	Well 11 pumping rate 65 gpm.
6/12/2014	19:30	4447	436.09	Well 11 pumping rate 65 gpm.
6/12/2014	20:00	4477	434.96	Well 11 pumping rate 65 gpm.
6/12/2014	20:30	4507	434.79	Well 11 pumping rate 65 gpm.
6/12/2014	21:00	4537	436.13	Well 11 pumping rate 65 gpm.
6/12/2014	21:30	4567	436.23	Well 11 pumping rate 65 gpm.
6/12/2014	22:00	4597	435.80	Well 11 pumping rate 65 gpm.
6/12/2014	22:30	4627	436.56	Well 11 pumping rate 65 gpm.
6/12/2014	23:00	4657	436.44	Well 11 pumping rate 65 gpm.
6/12/2014	23:30	4687	436.30	Well 11 pumping rate 65 gpm.
6/12/2014	23:51	4708	437.05	Well 11 pumping rate 65 gpm.
6/12/2014	23:52	4709	437.12	Well 11 pumping rate 65 gpm.
6/12/2014	23:53	--	385.33	Pump in Well 11 shut down.
6/12/2014	23:54	--	329.86	
6/12/2014	23:55	--	282.88	
6/12/2014	23:56	--	251.68	
6/12/2014	23:57	--	216.68	

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Summary of Water-Level Measurements Collected from Well 11 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/12/2014	23:58	--	184.27	
6/12/2014	23:59	--	159.07	
6/13/2014	0:00	--	35.76	
6/13/2014	0:01	--	35.75	
6/13/2014	0:02	--	35.74	
6/13/2014	0:03	--	35.73	
6/13/2014	0:04	--	35.83	
6/13/2014	0:05	--	35.78	
6/13/2014	0:06	--	35.77	
6/13/2014	0:07	--	35.70	
6/13/2014	0:12	--	72.42	
6/13/2014	0:17	--	68.65	
6/13/2014	0:22	--	66.55	
6/13/2014	0:27	--	65.02	
6/13/2014	0:32	--	63.75	
6/13/2014	0:37	--	62.72	
6/13/2014	0:42	--	61.78	
6/13/2014	0:52	--	60.26	
6/13/2014	1:00	--	59.20	
6/13/2014	2:00	--	53.86	
6/13/2014	3:00	--	50.56	
6/13/2014	4:00	--	48.18	
6/13/2014	5:00	--	46.40	
6/13/2014	6:00	--	45.02	
6/13/2014	7:00	--	43.91	
6/13/2014	8:00	--	42.99	
6/13/2014	9:00	--	42.26	
6/13/2014	10:00	--	41.55	
6/13/2014	11:00	--	41.00	
6/13/2014	12:00	--	40.50	
6/13/2014	13:00	--	40.04	
6/13/2014	14:00	--	39.61	
6/13/2014	15:00	--	37.90	
6/13/2014	16:00	--	37.57	
6/13/2014	17:00	--	37.27	
6/13/2014	18:00	--	36.97	
6/13/2014	19:00	--	36.72	
6/13/2014	20:00	--	36.49	
6/13/2014	21:00	--	36.27	
6/13/2014	22:00	--	36.08	
6/13/2014	23:00	--	35.91	
6/14/2014	0:00	--	35.76	
6/14/2014	1:00	--	35.55	
6/14/2014	2:00	--	35.42	
6/14/2014	3:00	--	35.27	
6/14/2014	4:00	--	35.17	
6/14/2014	5:00	--	35.01	
6/14/2014	6:00	--	34.90	
6/14/2014	7:00	--	34.78	
6/14/2014	8:00	--	34.68	
6/14/2014	9:00	--	34.60	
6/14/2014	10:00	--	34.50	
6/14/2014	11:00	--	34.49	
6/14/2014	12:00	--	34.38	
6/14/2014	13:00	--	34.27	
6/14/2014	14:00	--	34.21	
6/14/2014	15:00	--	34.11	
6/14/2014	16:00	--	34.03	
6/14/2014	17:00	--	33.93	
6/14/2014	18:00	--	33.84	

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Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/14/2014	19:00	--	33.78	
6/14/2014	20:00	--	33.73	
6/14/2014	21:00	--	33.68	
6/14/2014	22:00	--	33.64	
6/14/2014	23:00	--	33.60	
6/15/2014	0:00	--	33.54	
6/15/2014	1:00	--	33.51	
6/15/2014	2:00	--	33.51	
6/15/2014	3:00	--	33.42	
6/15/2014	4:00	--	33.37	
6/15/2014	5:00	--	33.32	
6/15/2014	6:00	--	33.29	
6/15/2014	7:00	--	33.22	
6/15/2014	8:00	--	33.22	
6/15/2014	9:00	--	33.20	
6/15/2014	10:00	--	33.17	
6/15/2014	11:00	--	33.16	
6/15/2014	12:00	--	33.11	
6/15/2014	13:00	--	33.10	
6/15/2014	14:00	--	33.01	
6/15/2014	15:00	--	33.01	
6/15/2014	16:00	--	32.97	
6/15/2014	17:00	--	32.92	
6/15/2014	18:00	--	32.87	
6/15/2014	19:00	--	32.83	
6/15/2014	20:00	--	32.84	
6/15/2014	21:00	--	32.79	
6/15/2014	22:00	--	32.75	
6/15/2014	23:00	--	32.73	
6/16/2014	0:00	--	32.72	
6/16/2014	1:00	--	32.70	
6/16/2014	2:00	--	32.71	
6/16/2014	3:00	--	32.67	
6/16/2014	4:00	--	32.66	
6/16/2014	5:00	--	32.63	
6/16/2014	6:00	--	32.63	
6/16/2014	7:00	--	32.57	
6/16/2014	8:00	--	32.56	
6/16/2014	9:00	--	32.54	
6/16/2014	10:00	--	32.23	
6/16/2014	11:00	--	32.51	
6/16/2014	12:00	--	32.48	
6/16/2014	12:24	--	32.45	
6/16/2014	12:25	--	33.15	Pump in Well 31 started.
6/16/2014	13:00	--	51.53	
6/16/2014	14:00	--	62.37	
6/16/2014	15:00	--	69.15	
6/16/2014	16:00	--	73.95	
6/16/2014	17:00	--	77.59	
6/16/2014	18:00	--	80.34	
6/16/2014	19:00	--	82.53	
6/16/2014	20:00	--	84.22	
6/16/2014	21:00	--	85.62	
6/16/2014	22:00	--	86.75	
6/16/2014	23:00	--	87.72	
6/17/2014	0:00	--	88.49	
6/17/2014	1:00	--	89.15	
6/17/2014	2:00	--	89.68	
6/17/2014	3:00	--	90.13	
6/17/2014	4:00	--	90.52	

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Summary of Water-Level Measurements Collected from Well 11 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/17/2014	5:00	--	90.85	
6/17/2014	6:00	--	91.11	
6/17/2014	7:00	--	91.31	
6/17/2014	8:00	--	91.49	
6/17/2014	9:00	--	91.67	
6/17/2014	10:00	--	91.74	
6/17/2014	11:00	--	91.69	
6/17/2014	12:00	--	91.65	
6/17/2014	13:00	--	91.71	
6/17/2014	14:00	--	91.64	
6/17/2014	15:00	--	91.89	
6/17/2014	16:00	--	91.89	
6/17/2014	17:00	--	91.94	
6/17/2014	18:00	--	91.97	
6/17/2014	19:00	--	92.08	
6/17/2014	20:00	--	92.05	
6/17/2014	21:00	--	92.13	
6/17/2014	22:00	--	92.21	
6/17/2014	23:00	--	92.28	
6/18/2014	0:00	--	92.30	
6/18/2014	1:00	--	92.34	
6/18/2014	2:00	--	92.42	
6/18/2014	3:00	--	92.45	
6/18/2014	4:00	--	92.42	
6/18/2014	5:00	--	92.58	
6/18/2014	6:00	--	92.57	
6/18/2014	7:00	--	92.61	
6/18/2014	8:00	--	92.61	
6/18/2014	9:00	--	92.63	
6/18/2014	10:00	--	92.39	
6/18/2014	11:00	--	92.60	
6/18/2014	12:00	--	92.64	
6/18/2014	13:00	--	92.61	
6/18/2014	14:00	--	92.65	
6/18/2014	15:00	--	92.69	
6/18/2014	16:00	--	92.71	
6/18/2014	17:00	--	92.74	
6/18/2014	18:00	--	92.78	
6/18/2014	19:00	--	92.88	
6/18/2014	20:00	--	92.87	
6/18/2014	21:00	--	92.94	
6/18/2014	22:00	--	92.98	
6/18/2014	23:00	--	93.05	
6/19/2014	0:00	--	93.12	
6/19/2014	1:00	--	93.14	
6/19/2014	2:00	--	93.14	
6/19/2014	3:00	--	93.16	
6/19/2014	4:00	--	93.19	
6/19/2014	5:00	--	93.29	
6/19/2014	6:00	--	93.27	
6/19/2014	7:00	--	93.29	
6/19/2014	8:00	--	93.30	
6/19/2014	9:00	--	93.32	
6/19/2014	10:00	--	93.29	
6/19/2014	11:00	--	93.36	
6/19/2014	12:00	--	93.32	
6/19/2014	12:44	--	93.26	Pump in Well 31 shut down.
6/19/2014	13:00	--	82.70	
6/19/2014	14:00	--	68.04	
6/19/2014	15:00	--	59.98	

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 11 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/19/2014	16:00	--	54.56	
6/19/2014	17:00	--	50.74	
6/19/2014	18:00	--	47.83	
6/19/2014	19:00	--	45.63	
6/19/2014	20:00	--	43.93	
6/19/2014	21:00	--	42.56	
6/19/2014	22:00	--	41.43	
6/19/2014	23:00	--	40.53	
6/20/2014	0:00	--	39.73	
6/20/2014	1:00	--	39.09	
6/20/2014	2:00	--	38.55	
6/20/2014	3:00	--	38.05	
6/20/2014	4:00	--	37.64	
6/20/2014	5:00	--	37.24	
6/20/2014	6:00	--	36.90	
6/20/2014	7:00	--	36.59	
6/20/2014	8:00	--	36.29	
6/20/2014	9:00	--	36.05	
6/20/2014	10:00	--	35.76	
6/20/2014	11:00	--	35.62	
6/20/2014	12:00	--	35.39	
6/20/2014	13:00	--	35.17	
6/20/2014	14:00	--	34.99	
6/20/2014	15:00	--	34.83	
6/20/2014	16:00	--	34.70	
6/20/2014	17:00	--	34.56	
6/20/2014	18:00	--	34.44	
6/20/2014	19:00	--	34.36	
6/20/2014	20:00	--	34.21	
6/20/2014	21:00	--	34.13	
6/20/2014	22:00	--	34.07	
6/20/2014	23:00	--	33.95	
6/21/2014	0:00	--	33.87	
6/21/2014	1:00	--	33.77	
6/21/2014	2:00	--	33.69	
6/21/2014	3:00	--	33.61	
6/21/2014	4:00	--	33.58	
6/21/2014	5:00	--	33.51	
6/21/2014	6:00	--	33.47	
6/21/2014	7:00	--	33.41	
6/21/2014	8:00	--	33.33	
6/21/2014	9:00	--	33.31	
6/21/2014	10:00	--	33.25	
6/21/2014	11:00	--	33.15	
6/21/2014	12:00	--	33.08	
6/21/2014	13:00	--	33.07	
6/21/2014	14:00	--	33.01	
6/21/2014	15:00	--	32.95	
6/21/2014	16:00	--	32.90	
6/21/2014	17:00	--	32.88	
6/21/2014	18:00	--	32.85	
6/21/2014	19:00	--	32.81	
6/21/2014	20:00	--	32.82	
6/21/2014	21:00	--	32.78	
6/21/2014	22:00	--	32.71	
6/21/2014	23:00	--	32.67	
6/22/2014	0:00	--	32.65	
6/22/2014	1:00	--	32.64	
6/22/2014	2:00	--	32.66	
6/22/2014	3:00	--	32.54	

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 11 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/22/2014	4:00	--	32.53	
6/22/2014	5:00	--	32.55	
6/22/2014	6:00	--	32.57	
6/22/2014	7:00	--	32.51	
6/22/2014	8:00	--	32.48	
6/22/2014	9:00	--	32.52	
6/22/2014	10:00	--	32.46	
6/22/2014	11:00	--	32.44	
6/22/2014	12:00	--	32.39	
6/22/2014	13:00	--	32.37	
6/22/2014	14:00	--	32.37	
6/22/2014	15:00	--	32.35	
6/22/2014	16:00	--	32.28	
6/22/2014	17:00	--	32.28	
6/22/2014	18:00	--	32.28	
6/22/2014	19:00	--	32.23	
6/22/2014	20:00	--	32.28	
6/22/2014	21:00	--	32.24	
6/22/2014	22:00	--	32.27	
6/22/2014	23:00	--	32.23	
6/23/2014	0:00	--	32.24	
6/23/2014	1:00	--	32.22	
6/23/2014	2:00	--	32.20	
6/23/2014	3:00	--	32.20	
6/23/2014	4:00	--	32.19	
6/23/2014	5:00	--	32.17	
6/23/2014	6:00	--	32.19	
6/23/2014	7:00	--	32.20	
6/23/2014	8:00	--	32.15	
6/23/2014	9:00	--	32.18	
6/23/2014	10:00	--	32.20	
6/23/2014	11:00	--	32.13	
6/23/2014	12:00	--	32.17	
6/23/2014	13:00	--	32.11	
6/23/2014	14:00	--	31.78	
6/23/2014	15:00	--	32.08	
6/23/2014	16:00	--	32.11	
6/23/2014	17:00	--	32.12	
6/23/2014	18:00	--	32.12	
6/23/2014	19:00	--	32.17	
6/23/2014	20:00	--	32.16	
6/23/2014	21:00	--	32.13	
6/23/2014	22:00	--	32.15	
6/23/2014	23:00	--	32.18	
6/24/2014	0:00	--	32.19	
6/24/2014	1:00	--	32.17	
6/24/2014	2:00	--	32.16	
6/24/2014	3:00	--	32.16	
6/24/2014	4:00	--	32.15	
6/24/2014	5:00	--	32.12	
6/24/2014	6:00	--	32.13	
6/24/2014	7:00	--	32.17	
6/24/2014	8:00	--	32.18	
6/24/2014	9:00	--	32.18	

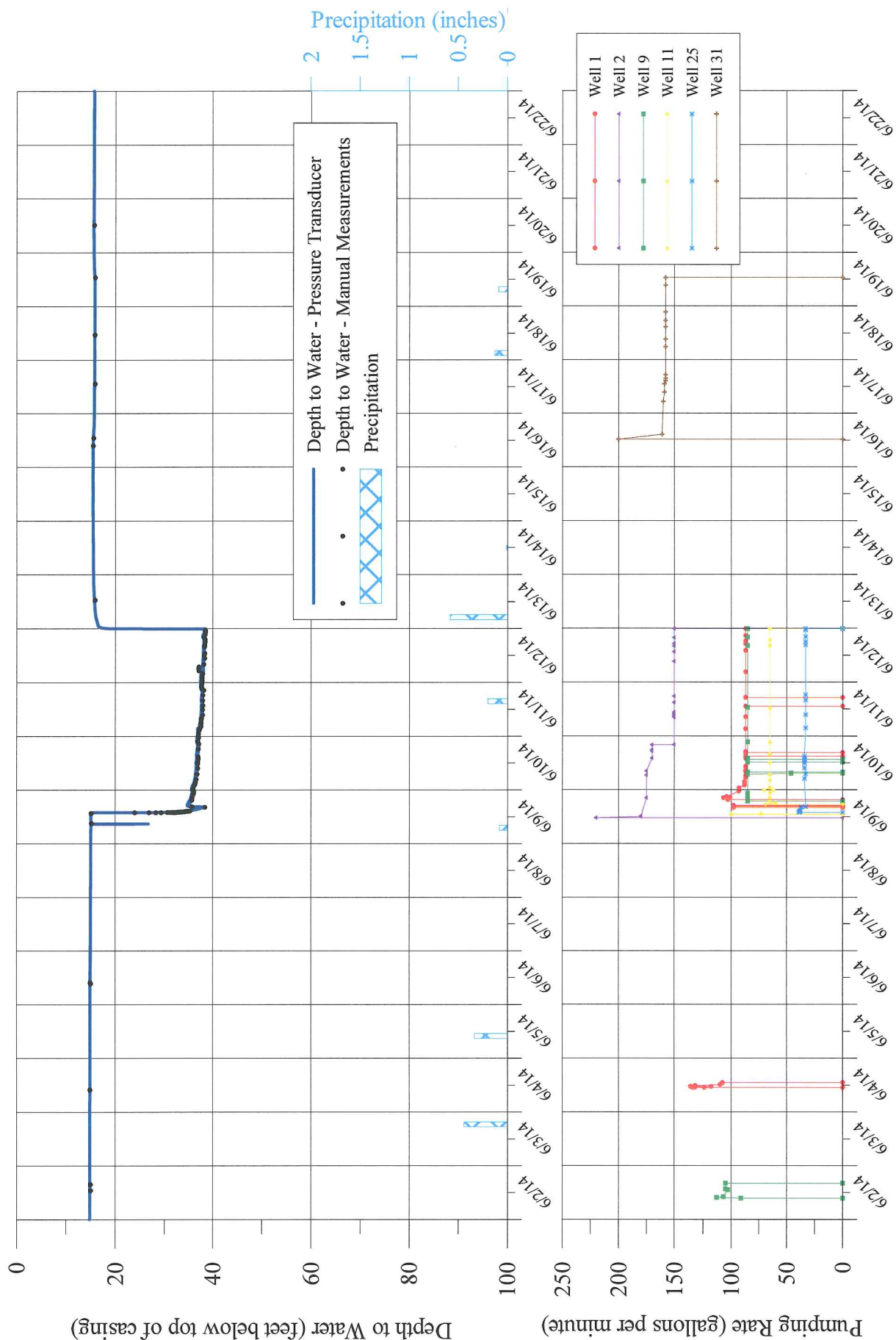
ft btoc feet below top of casing

gpm gallons per minute

WELL 25

SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 25 During Pumping Tests Conducted June 9 Through 19, 2014



**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 25 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minute)	Depth to Water (ft btoc)	Comments
5/29/2014	15:40	--	14.84	
6/6/2014	10:00	--	14.99	
6/6/2014	11:00	--	14.99	
6/6/2014	12:00	--	14.99	
6/6/2014	13:00	--	14.99	
6/6/2014	14:00	--	14.99	
6/6/2014	15:00	--	15.00	
6/6/2014	16:00	--	15.00	
6/6/2014	17:00	--	15.01	
6/6/2014	18:00	--	15.01	
6/6/2014	19:00	--	15.01	
6/6/2014	20:00	--	15.01	
6/6/2014	21:00	--	15.01	
6/6/2014	22:00	--	15.02	
6/6/2014	23:00	--	15.02	
6/7/2014	0:00	--	15.02	
6/7/2014	1:00	--	15.01	
6/7/2014	2:00	--	15.02	
6/7/2014	3:00	--	15.03	
6/7/2014	4:00	--	15.02	
6/7/2014	5:00	--	15.03	
6/7/2014	6:00	--	15.03	
6/7/2014	7:00	--	15.04	
6/7/2014	8:00	--	15.04	
6/7/2014	9:00	--	15.04	
6/7/2014	10:00	--	15.04	
6/7/2014	11:00	--	15.04	
6/7/2014	12:00	--	15.04	
6/7/2014	13:00	--	15.05	
6/7/2014	14:00	--	15.05	
6/7/2014	15:00	--	15.05	
6/7/2014	16:00	--	15.05	
6/7/2014	17:00	--	15.05	
6/7/2014	18:00	--	15.06	
6/7/2014	19:00	--	15.06	
6/7/2014	20:00	--	15.07	
6/7/2014	21:00	--	15.07	
6/7/2014	22:00	--	15.07	
6/7/2014	23:00	--	15.07	
6/8/2014	0:00	--	15.06	
6/8/2014	1:00	--	15.07	
6/8/2014	2:00	--	15.07	
6/8/2014	3:00	--	15.07	
6/8/2014	4:00	--	15.07	
6/8/2014	5:00	--	15.07	
6/8/2014	6:00	--	15.08	
6/8/2014	7:00	--	15.08	
6/8/2014	8:00	--	15.08	
6/8/2014	9:00	--	15.08	
6/8/2014	10:00	--	15.08	
6/8/2014	11:00	--	15.08	
6/8/2014	12:00	--	15.08	
6/8/2014	13:00	--	15.08	
6/8/2014	14:00	--	15.08	
6/8/2014	15:00	--	15.09	
6/8/2014	16:00	--	15.09	
6/8/2014	17:00	--	15.09	
6/8/2014	18:00	--	15.10	
6/8/2014	19:00	--	15.11	
6/8/2014	20:00	--	15.11	

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 25 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minute)	Depth to Water (ft btoc)	Comments
6/8/2014	21:00	--	15.12	
6/8/2014	22:00	--	15.12	
6/8/2014	23:00	--	15.11	
6/9/2014	0:00	--	15.11	
6/9/2014	1:00	--	15.12	
6/9/2014	2:00	--	15.11	
6/9/2014	3:00	--	15.12	
6/9/2014	4:00	--	15.12	
6/9/2014	5:00	--	15.13	
6/9/2014	6:00	--	15.13	
6/9/2014	7:00	--	15.13	
6/9/2014	8:00	--	15.13	
6/9/2014	9:00	--	15.24	
6/9/2014	10:00	--	15.15	
6/9/2014	11:00	--	15.14	
6/9/2014	11:32	--	15.13	Pump in Well 2 started.
6/9/2014	12:00	--	15.13	
6/9/2014	13:00	--	15.13	
6/9/2014	13:50	--	15.14	
6/9/2014	13:51	1	22.68	Pump in Well 25 started.
6/9/2014	13:52	2	26.00	
6/9/2014	13:53	3	27.79	Well 25 pumping rate 39 gpm.
6/9/2014	13:54	4	28.78	
6/9/2014	13:55	5	29.64	
6/9/2014	13:56	6	30.42	
6/9/2014	13:57	7	30.97	
6/9/2014	13:58	8	30.91	
6/9/2014	13:59	9	31.26	
6/9/2014	14:00	10	31.91	
6/9/2014	14:01	11	31.45	
6/9/2014	14:02	12	32.10	
6/9/2014	14:03	13	32.54	Well 25 pumping rate 39 gpm.
6/9/2014	14:04	14	32.32	
6/9/2014	14:05	15	32.98	
6/9/2014	14:10	20	33.29	
6/9/2014	14:15	25	33.54	Well 25 pumping rate 38 gpm.
6/9/2014	14:20	30	34.02	Well 25 pumping rate 38 gpm.
6/9/2014	14:30	40	34.66	Well 25 pumping rate 38 gpm.
6/9/2014	14:40	50	35.32	Well 25 pumping rate 38 gpm.
6/9/2014	14:50	60	35.73	Well 25 pumping rate 38 gpm.
6/9/2014	15:00	70	36.16	Well 25 pumping rate 38 gpm.
6/9/2014	15:03	73	36.35	Pump in Well 28 started.
6/9/2014	15:09	79	36.56	Pump in Well 28 stopped.
6/9/2014	16:00	130	37.84	Well 25 pumping rate 37 gpm.
6/9/2014	16:21	151	38.44	Pumping rate in Well 25 manually reduced to 33 gpm.
6/9/2014	17:00	190	34.78	Well 25 pumping rate 33 gpm.
6/9/2014	17:24	214	35.09	Pump in Well 11 started.
6/9/2014	18:00	250	35.15	Well 25 pumping rate 33 gpm.
6/9/2014	18:55	305	35.45	Pump in Well 9 started.
6/9/2014	19:00	310	35.36	Well 25 pumping rate 33 gpm.
6/9/2014	19:30	340	35.57	Pump in Well 1 started.
6/9/2014	20:00	370	35.70	Well 25 pumping rate 33 gpm.
6/9/2014	21:00	430	35.88	Well 25 pumping rate 33 gpm.
6/9/2014	22:00	490	35.70	Well 25 pumping rate 33 gpm.
6/9/2014	23:00	550	35.90	Well 25 pumping rate 33 gpm.
6/10/2014	0:00	610	35.75	Well 25 pumping rate 33 gpm.
6/10/2014	1:00	670	35.95	Well 25 pumping rate 33 gpm.
6/10/2014	2:00	730	36.33	Well 25 pumping rate 33 gpm.
6/10/2014	3:00	790	36.26	Well 25 pumping rate 33 gpm.
6/10/2014	4:00	850	36.41	Well 25 pumping rate 33 gpm.

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 25 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minute)	Depth to Water (ft btoc)	Comments
6/10/2014	5:00	910	36.45	Well 25 pumping rate 33 gpm.
6/10/2014	6:00	970	36.50	Well 25 pumping rate 33 gpm.
6/10/2014	7:00	1030	36.59	Well 25 pumping rate 33 gpm.
6/10/2014	8:00	1090	36.78	Well 25 pumping rate 33 gpm.
6/10/2014	9:00	1150	36.84	Well 25 pumping rate 33 gpm.
6/10/2014	10:00	1210	36.62	Well 25 pumping rate 33 gpm.
6/10/2014	11:00	1270	36.69	Well 25 pumping rate 33 gpm.
6/10/2014	12:00	1330	36.88	Well 25 pumping rate 33 gpm.
6/10/2014	13:00	1390	36.74	Well 25 pumping rate 33 gpm.
6/10/2014	14:00	1450	36.77	Well 25 pumping rate 33 gpm.
6/10/2014	15:00	1510	36.93	Well 25 pumping rate 33 gpm.
6/10/2014	16:00	1570	36.89	Well 25 pumping rate 33 gpm.
6/10/2014	17:00	1630	36.94	Well 25 pumping rate 33 gpm.
6/10/2014	18:00	1690	37.13	Well 25 pumping rate 33 gpm.
6/10/2014	19:00	1750	37.11	Well 25 pumping rate 33 gpm.
6/10/2014	20:00	1810	37.21	Well 25 pumping rate 33 gpm.
6/10/2014	21:00	1870	36.83	Well 25 pumping rate 33 gpm.
6/10/2014	22:00	1930	36.98	Well 25 pumping rate 33 gpm.
6/10/2014	23:00	1990	36.91	Well 25 pumping rate 33 gpm.
6/11/2014	0:00	2050	37.06	Well 25 pumping rate 33 gpm.
6/11/2014	1:00	2110	36.99	Well 25 pumping rate 33 gpm.
6/11/2014	2:00	2170	37.01	Well 25 pumping rate 33 gpm.
6/11/2014	3:00	2230	37.02	Well 25 pumping rate 33 gpm.
6/11/2014	4:00	2290	37.32	Well 25 pumping rate 33 gpm.
6/11/2014	5:00	2350	37.54	Well 25 pumping rate 33 gpm.
6/11/2014	6:00	2410	37.50	Well 25 pumping rate 33 gpm.
6/11/2014	7:00	2470	37.61	Well 25 pumping rate 33 gpm.
6/11/2014	8:00	2530	37.63	Well 25 pumping rate 33 gpm.
6/11/2014	9:00	2590	37.81	Well 25 pumping rate 33 gpm.
6/11/2014	10:00	2650	37.74	Well 25 pumping rate 33 gpm.
6/11/2014	11:00	2710	37.74	Well 25 pumping rate 33 gpm.
6/11/2014	12:00	2770	37.78	Well 25 pumping rate 33 gpm.
6/11/2014	13:00	2830	37.81	Well 25 pumping rate 33 gpm.
6/11/2014	14:00	2890	37.96	Well 25 pumping rate 33 gpm.
6/11/2014	15:00	2950	37.88	Well 25 pumping rate 33 gpm.
6/11/2014	16:00	3010	37.81	Well 25 pumping rate 33 gpm.
6/11/2014	17:00	3070	37.84	Well 25 pumping rate 33 gpm.
6/11/2014	18:00	3130	37.90	Well 25 pumping rate 33 gpm.
6/11/2014	19:00	3190	37.97	Well 25 pumping rate 33 gpm.
6/11/2014	20:00	3250	37.90	Well 25 pumping rate 33 gpm.
6/11/2014	21:00	3310	37.76	Well 25 pumping rate 33 gpm.
6/11/2014	22:00	3370	37.78	Well 25 pumping rate 33 gpm.
6/11/2014	23:00	3430	37.61	Well 25 pumping rate 33 gpm.
6/12/2014	0:00	3490	37.68	Well 25 pumping rate 33 gpm.
6/12/2014	1:00	3550	37.63	Well 25 pumping rate 33 gpm.
6/12/2014	2:00	3610	37.71	Well 25 pumping rate 33 gpm.
6/12/2014	3:00	3670	37.64	Well 25 pumping rate 33 gpm.
6/12/2014	4:00	3730	37.87	Well 25 pumping rate 33 gpm.
6/12/2014	5:00	3790	37.93	Well 25 pumping rate 33 gpm.
6/12/2014	6:00	3850	38.00	Well 25 pumping rate 33 gpm.
6/12/2014	7:00	3910	38.11	Well 25 pumping rate 33 gpm.
6/12/2014	8:00	3970	38.02	Well 25 pumping rate 33 gpm.
6/12/2014	9:00	4030	38.02	Well 25 pumping rate 33 gpm.
6/12/2014	10:00	4090	38.21	Well 25 pumping rate 33 gpm.
6/12/2014	11:00	4150	38.07	Well 25 pumping rate 33 gpm.
6/12/2014	12:00	4210	38.26	Well 25 pumping rate 33 gpm.
6/12/2014	13:00	4270	38.11	Well 25 pumping rate 33 gpm.
6/12/2014	14:00	4330	38.28	Well 25 pumping rate 33 gpm.
6/12/2014	15:00	4390	38.17	Well 25 pumping rate 33 gpm.
6/12/2014	16:00	4450	38.17	Well 25 pumping rate 33 gpm.

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 25 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minute)	Depth to Water (ft btoc)	Comments
6/12/2014	17:00	4510	38.25	Well 25 pumping rate 33 gpm.
6/12/2014	18:00	4570	38.23	Well 25 pumping rate 33 gpm.
6/12/2014	19:00	4630	38.29	Well 25 pumping rate 33 gpm.
6/12/2014	20:00	4690	38.05	Well 25 pumping rate 33 gpm.
6/12/2014	21:00	4750	38.02	Well 25 pumping rate 33 gpm.
6/12/2014	22:00	4810	38.46	Well 25 pumping rate 33 gpm.
6/12/2014	23:00	4870	38.43	Well 25 pumping rate 33 gpm.
6/12/2014	23:54	4924	38.47	Well 25 pumping rate 33 gpm.
6/12/2014	23:55	4925	38.52	Well 25 pumping rate 33 gpm.
6/12/2014	23:56	--	25.68	Pump in Well 25 shut down.
6/12/2014	23:57	--	21.64	
6/12/2014	23:58	--	20.96	
6/12/2014	23:59	--	20.18	
6/13/2014	0:00	--	19.58	
6/13/2014	0:01	--	19.13	
6/13/2014	0:02	--	18.78	
6/13/2014	0:03	--	18.53	
6/13/2014	0:04	--	18.32	
6/13/2014	0:05	--	18.17	
6/13/2014	0:06	--	18.03	
6/13/2014	0:07	--	17.92	
6/13/2014	0:08	--	17.83	
6/13/2014	0:09	--	17.75	
6/13/2014	0:10	--	17.66	
6/13/2014	0:15	--	17.42	
6/13/2014	0:20	--	17.25	
6/13/2014	0:25	--	17.13	
6/13/2014	0:30	--	17.00	
6/13/2014	0:35	--	16.88	
6/13/2014	0:40	--	16.82	
6/13/2014	0:45	--	16.77	
6/13/2014	0:55	--	16.70	
6/13/2014	1:00	--	16.68	
6/13/2014	2:00	--	16.50	
6/13/2014	3:00	--	16.40	
6/13/2014	4:00	--	16.26	
6/13/2014	5:00	--	16.15	
6/13/2014	6:00	--	16.07	
6/13/2014	7:00	--	16.01	
6/13/2014	8:00	--	15.97	
6/13/2014	9:00	--	15.94	
6/13/2014	10:00	--	15.91	
6/13/2014	11:00	--	15.88	
6/13/2014	12:00	--	15.86	
6/13/2014	13:00	--	15.82	
6/13/2014	14:00	--	15.80	
6/13/2014	15:00	--	15.77	
6/13/2014	16:00	--	15.75	
6/13/2014	17:00	--	15.73	
6/13/2014	18:00	--	15.71	
6/13/2014	19:00	--	15.70	
6/13/2014	20:00	--	15.69	
6/13/2014	21:00	--	15.68	
6/13/2014	22:00	--	15.67	
6/13/2014	23:00	--	15.67	
6/14/2014	0:00	--	15.66	
6/14/2014	1:00	--	15.65	
6/14/2014	2:00	--	15.64	
6/14/2014	3:00	--	15.63	
6/14/2014	4:00	--	15.61	

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 25 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minute)	Depth to Water (ft btoc)	Comments
6/14/2014	5:00	--	15.61	
6/14/2014	6:00	--	15.60	
6/14/2014	7:00	--	15.60	
6/14/2014	8:00	--	15.61	
6/14/2014	9:00	--	15.61	
6/14/2014	10:00	--	15.60	
6/14/2014	11:00	--	15.59	
6/14/2014	12:00	--	15.60	
6/14/2014	13:00	--	15.60	
6/14/2014	14:00	--	15.59	
6/14/2014	15:00	--	15.59	
6/14/2014	16:00	--	15.59	
6/14/2014	17:00	--	15.57	
6/14/2014	18:00	--	15.57	
6/14/2014	19:00	--	15.57	
6/14/2014	20:00	--	15.56	
6/14/2014	21:00	--	15.57	
6/14/2014	22:00	--	15.57	
6/14/2014	23:00	--	15.58	
6/15/2014	0:00	--	15.57	
6/15/2014	1:00	--	15.57	
6/15/2014	2:00	--	15.57	
6/15/2014	3:00	--	15.56	
6/15/2014	4:00	--	15.55	
6/15/2014	5:00	--	15.55	
6/15/2014	6:00	--	15.55	
6/15/2014	7:00	--	15.55	
6/15/2014	8:00	--	15.55	
6/15/2014	9:00	--	15.56	
6/15/2014	10:00	--	15.57	
6/15/2014	11:00	--	15.57	
6/15/2014	12:00	--	15.57	
6/15/2014	13:00	--	15.56	
6/15/2014	14:00	--	15.57	
6/15/2014	15:00	--	15.57	
6/15/2014	16:00	--	15.56	
6/15/2014	17:00	--	15.56	
6/15/2014	18:00	--	15.55	
6/15/2014	19:00	--	15.56	
6/15/2014	20:00	--	15.56	
6/15/2014	21:00	--	15.56	
6/15/2014	22:00	--	15.56	
6/15/2014	23:00	--	15.56	
6/16/2014	0:00	--	15.57	
6/16/2014	1:00	--	15.57	
6/16/2014	2:00	--	15.57	
6/16/2014	3:00	--	15.57	
6/16/2014	4:00	--	15.57	
6/16/2014	5:00	--	15.56	
6/16/2014	6:00	--	15.56	
6/16/2014	7:00	--	15.56	
6/16/2014	8:00	--	15.56	
6/16/2014	9:00	--	15.56	
6/16/2014	10:00	--	15.57	
6/16/2014	11:00	--	15.57	
6/16/2014	12:00	--	15.58	
6/16/2014	12:25	--	15.59	Pump in Well 31 started.
6/16/2014	13:00	--	15.60	
6/16/2014	14:00	--	15.62	
6/16/2014	15:00	--	15.67	

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 25 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minute)	Depth to Water (ft btoc)	Comments
6/16/2014	16:00	--	15.69	
6/16/2014	17:00	--	15.71	
6/16/2014	18:00	--	15.74	
6/16/2014	19:00	--	15.74	
6/16/2014	20:00	--	15.76	
6/16/2014	21:00	--	15.77	
6/16/2014	22:00	--	15.78	
6/16/2014	23:00	--	15.79	
6/17/2014	0:00	--	15.80	
6/17/2014	1:00	--	15.81	
6/17/2014	2:00	--	15.81	
6/17/2014	3:00	--	15.82	
6/17/2014	4:00	--	15.82	
6/17/2014	5:00	--	15.82	
6/17/2014	6:00	--	15.82	
6/17/2014	7:00	--	15.82	
6/17/2014	8:00	--	15.82	
6/17/2014	9:00	--	15.83	
6/17/2014	10:00	--	15.84	
6/17/2014	11:00	--	15.83	
6/17/2014	12:00	--	15.85	
6/17/2014	13:00	--	15.86	
6/17/2014	14:00	--	15.86	
6/17/2014	15:00	--	15.86	
6/17/2014	16:00	--	15.86	
6/17/2014	17:00	--	15.87	
6/17/2014	18:00	--	15.87	
6/17/2014	19:00	--	15.87	
6/17/2014	20:00	--	15.87	
6/17/2014	21:00	--	15.86	
6/17/2014	22:00	--	15.87	
6/17/2014	23:00	--	15.87	
6/18/2014	0:00	--	15.86	
6/18/2014	1:00	--	15.86	
6/18/2014	2:00	--	15.88	
6/18/2014	3:00	--	15.87	
6/18/2014	4:00	--	15.87	
6/18/2014	5:00	--	15.86	
6/18/2014	6:00	--	15.86	
6/18/2014	7:00	--	15.86	
6/18/2014	8:00	--	15.86	
6/18/2014	9:00	--	15.86	
6/18/2014	10:00	--	15.86	
6/18/2014	11:00	--	15.87	
6/18/2014	12:00	--	15.88	
6/18/2014	13:00	--	15.88	
6/18/2014	14:00	--	15.89	
6/18/2014	15:00	--	15.90	
6/18/2014	16:00	--	15.89	
6/18/2014	17:00	--	15.90	
6/18/2014	18:00	--	15.91	
6/18/2014	19:00	--	15.90	
6/18/2014	20:00	--	15.91	
6/18/2014	21:00	--	15.90	
6/18/2014	22:00	--	15.90	
6/18/2014	23:00	--	15.90	
6/19/2014	0:00	--	15.90	
6/19/2014	1:00	--	15.90	
6/19/2014	2:00	--	15.90	
6/19/2014	3:00	--	15.91	

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 25 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minute)	Depth to Water (ft btoc)	Comments
6/19/2014	4:00	--	15.90	
6/19/2014	5:00	--	15.90	
6/19/2014	6:00	--	15.90	
6/19/2014	7:00	--	15.90	
6/19/2014	8:00	--	15.90	
6/19/2014	9:00	--	15.89	
6/19/2014	10:00	--	15.90	
6/19/2014	11:00	--	15.89	
6/19/2014	12:00	--	15.89	
6/19/2014	12:44	--	15.89	Pump in Well 31 shut down.
6/19/2014	13:00	--	15.89	
6/19/2014	14:00	--	15.86	
6/19/2014	15:00	--	15.83	
6/19/2014	16:00	--	15.80	
6/19/2014	17:00	--	15.78	
6/19/2014	18:00	--	15.77	
6/19/2014	19:00	--	15.76	
6/19/2014	20:00	--	15.74	
6/19/2014	21:00	--	15.73	
6/19/2014	22:00	--	15.73	
6/19/2014	23:00	--	15.72	
6/20/2014	0:00	--	15.71	
6/20/2014	1:00	--	15.71	
6/20/2014	2:00	--	15.71	
6/20/2014	3:00	--	15.71	
6/20/2014	4:00	--	15.70	
6/20/2014	5:00	--	15.71	
6/20/2014	6:00	--	15.71	
6/20/2014	7:00	--	15.71	
6/20/2014	8:00	--	15.70	
6/20/2014	9:00	--	15.70	
6/20/2014	10:00	--	15.70	
6/20/2014	11:00	--	15.70	
6/20/2014	12:00	--	15.70	
6/20/2014	13:00	--	15.71	
6/20/2014	14:00	--	15.70	
6/20/2014	15:00	--	15.71	
6/20/2014	16:00	--	15.71	
6/20/2014	17:00	--	15.72	
6/20/2014	18:00	--	15.72	
6/20/2014	19:00	--	15.72	
6/20/2014	20:00	--	15.72	
6/20/2014	21:00	--	15.72	
6/20/2014	22:00	--	15.72	
6/20/2014	23:00	--	15.72	
6/21/2014	0:00	--	15.72	
6/21/2014	1:00	--	15.73	
6/21/2014	2:00	--	15.73	
6/21/2014	3:00	--	15.73	
6/21/2014	4:00	--	15.73	
6/21/2014	5:00	--	15.73	
6/21/2014	6:00	--	15.74	
6/21/2014	7:00	--	15.74	
6/21/2014	8:00	--	15.73	
6/21/2014	9:00	--	15.73	
6/21/2014	10:00	--	15.73	
6/21/2014	11:00	--	15.73	
6/21/2014	12:00	--	15.73	
6/21/2014	13:00	--	15.73	
6/21/2014	14:00	--	15.74	

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 25 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minute)	Depth to Water (ft btoc)	Comments
6/21/2014	15:00	--	15.74	
6/21/2014	16:00	--	15.75	
6/21/2014	17:00	--	15.75	
6/21/2014	18:00	--	15.76	
6/21/2014	19:00	--	15.76	
6/21/2014	20:00	--	15.77	
6/21/2014	21:00	--	15.77	
6/21/2014	22:00	--	15.76	
6/21/2014	23:00	--	15.76	
6/22/2014	0:00	--	15.77	
6/22/2014	1:00	--	15.77	
6/22/2014	2:00	--	15.77	
6/22/2014	3:00	--	15.77	
6/22/2014	4:00	--	15.77	
6/22/2014	5:00	--	15.78	
6/22/2014	6:00	--	15.78	
6/22/2014	7:00	--	15.78	
6/22/2014	8:00	--	15.79	
6/22/2014	9:00	--	15.78	
6/22/2014	10:00	--	15.78	
6/22/2014	11:00	--	15.78	
6/22/2014	12:00	--	15.78	
6/22/2014	13:00	--	15.78	
6/22/2014	14:00	--	15.78	
6/22/2014	15:00	--	15.78	
6/22/2014	16:00	--	15.79	
6/22/2014	17:00	--	15.80	
6/22/2014	18:00	--	15.81	
6/22/2014	19:00	--	15.81	
6/22/2014	20:00	--	15.81	
6/22/2014	21:00	--	15.81	
6/22/2014	22:00	--	15.81	
6/22/2014	23:00	--	15.82	
6/23/2014	0:00	--	15.82	
6/23/2014	1:00	--	15.82	
6/23/2014	2:00	--	15.82	
6/23/2014	3:00	--	15.82	
6/23/2014	4:00	--	15.82	
6/23/2014	5:00	--	15.83	
6/23/2014	6:00	--	15.83	
6/23/2014	7:00	--	15.84	
6/23/2014	8:00	--	15.84	
6/23/2014	9:00	--	15.83	
6/23/2014	10:00	--	15.84	
6/23/2014	11:00	--	15.84	
6/23/2014	12:00	--	15.84	
6/23/2014	13:00	--	15.85	

ft btoc feet below top of casing

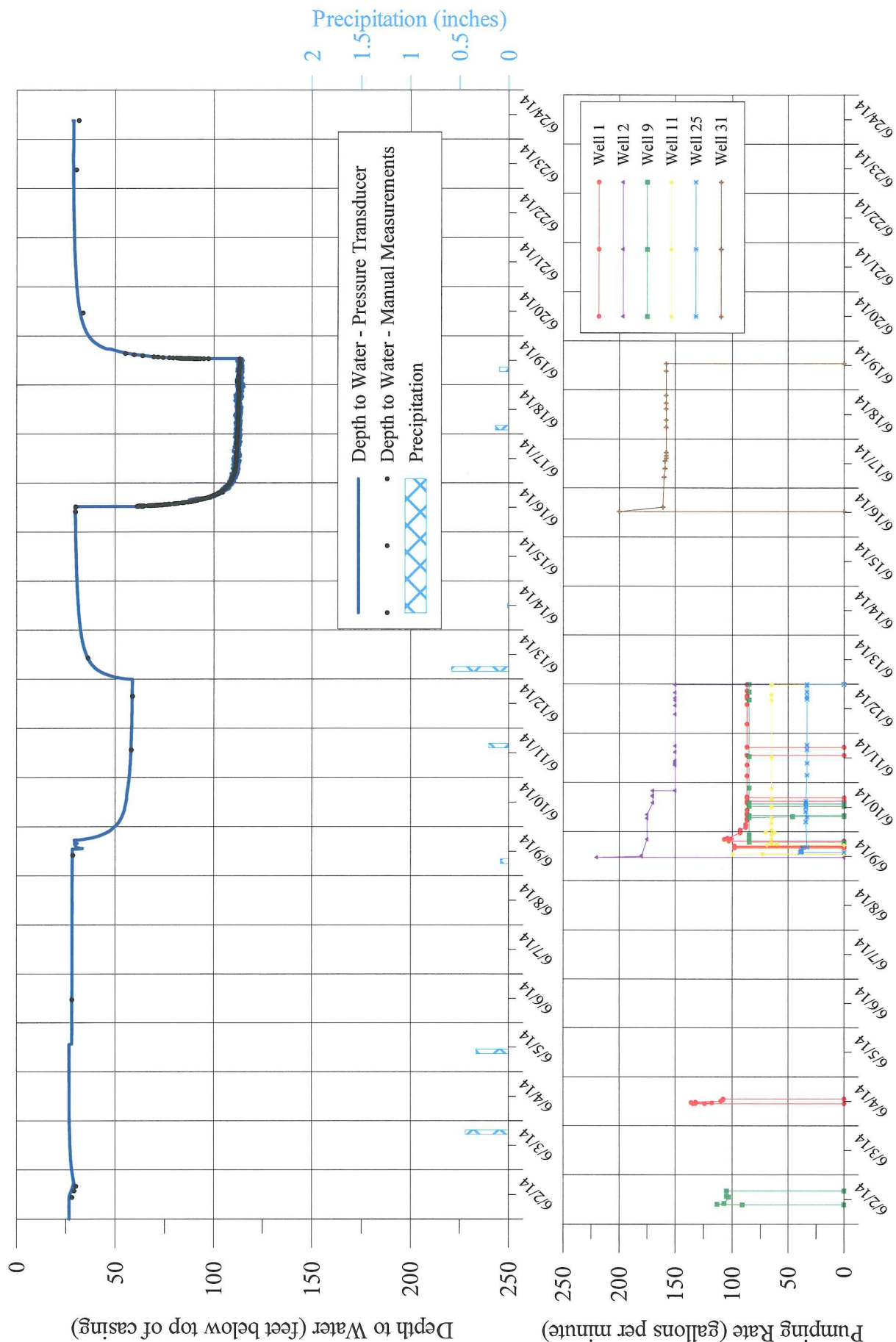
gpm gallons per minute

K:\Jobs\Silo Ridge\72-Hour Pumping Test\Reporting\Water Level tables\Well 25.docx

WELL 31

SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 31 During Pumping Tests Conducted June 9 Through 19, 2014



**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 31 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
5/28/2014	12:00	--	111.12	Preliminary test conducted on Well 31.
5/28/2014	16:00	--	120.01	Preliminary test ended on Well 31.
5/28/2014	20:00	--	50.13	
5/29/2014	0:00	--	36.91	
5/29/2014	4:00	--	31.95	
5/29/2014	8:00	--	29.64	
5/29/2014	12:00	--	28.45	
5/29/2014	16:00	--	38.82	
5/29/2014	20:00	--	32.49	
5/30/2014	0:00	--	29.12	
5/30/2014	4:00	--	27.89	
5/30/2014	8:00	--	27.37	
5/30/2014	12:00	--	27.15	
5/30/2014	16:00	--	27.33	
5/30/2014	20:00	--	27.28	
5/31/2014	0:00	--	27.08	
5/31/2014	4:00	--	26.92	
5/31/2014	8:00	--	26.82	
5/31/2014	12:00	--	26.80	
5/31/2014	16:00	--	26.71	
5/31/2014	20:00	--	26.70	
6/1/2014	0:00	--	26.69	
6/1/2014	4:00	--	26.68	
6/1/2014	8:00	--	26.66	
6/1/2014	12:00	--	26.66	
6/1/2014	16:00	--	26.67	
6/1/2014	20:00	--	26.63	
6/2/2014	0:00	--	26.64	
6/2/2014	4:00	--	26.64	
6/2/2014	8:00	--	26.64	
6/2/2014	12:00	--	27.16	
6/2/2014	16:00	--	28.66	
6/2/2014	20:00	--	28.64	
6/3/2014	0:00	--	28.00	
6/3/2014	4:00	--	27.54	
6/3/2014	8:00	--	27.27	
6/3/2014	12:00	--	27.09	
6/3/2014	16:00	--	26.99	
6/3/2014	20:00	--	26.80	
6/4/2014	0:00	--	26.77	
6/4/2014	4:00	--	26.73	
6/4/2014	8:00	--	26.72	
6/4/2014	12:00	--	26.69	
6/4/2014	16:00	--	26.67	
6/4/2014	20:00	--	26.65	
6/5/2014	0:00	--	26.63	
6/5/2014	4:00	--	26.64	
6/5/2014	8:00	--	26.63	
6/5/2014	12:00	--	26.62	
6/5/2014	16:00	--	28.05	
6/5/2014	20:00	--	28.05	
6/6/2014	0:00	--	28.03	
6/6/2014	4:00	--	28.02	
6/6/2014	8:00	--	28.04	
6/6/2014	12:00	--	28.04	
6/6/2014	16:00	--	28.06	
6/6/2014	20:00	--	28.09	
6/7/2014	0:00	--	28.10	
6/7/2014	4:00	--	28.11	
6/7/2014	8:00	--	28.15	

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 31 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/7/2014	12:00	--	28.12	
6/7/2014	16:00	--	28.17	
6/7/2014	20:00	--	28.15	
6/8/2014	0:00	--	28.16	
6/8/2014	4:00	--	28.16	
6/8/2014	8:00	--	28.18	
6/8/2014	12:00	--	28.18	
6/8/2014	16:00	--	28.14	
6/8/2014	20:00	--	28.16	
6/9/2014	0:00	--	28.17	
6/9/2014	1:00	--	28.16	
6/9/2014	2:00	--	28.17	
6/9/2014	3:00	--	28.18	
6/9/2014	4:00	--	28.18	
6/9/2014	5:00	--	28.18	
6/9/2014	6:00	--	28.20	
6/9/2014	7:00	--	28.22	
6/9/2014	8:00	--	28.21	
6/9/2014	9:00	--	28.23	
6/9/2014	10:00	--	28.23	
6/9/2014	11:00	--	28.23	
6/9/2014	11:32	--	28.22	Pump started in Well 2.
6/9/2014	12:00	--	28.21	
6/9/2014	13:00	--	28.95	
6/9/2014	13:51	--	30.52	Pump started in Well 25.
6/9/2014	14:00	--	30.30	
6/9/2014	15:00	--	29.54	
6/9/2014	15:03	--	29.53	Pump in Well 28 started.
6/9/2014	15:09	--	29.48	Pump in Well 28 stopped.
6/9/2014	16:00	--	29.86	
6/9/2014	17:00	--	29.33	
6/9/2014	17:24	--	29.23	Pump started in Well 11.
6/9/2014	18:00	--	35.22	
6/9/2014	18:55	--	40.02	Pump started in Well 9.
6/9/2014	19:00	--	40.28	
6/9/2014	19:30	--	41.99	Pump started in Well 1.
6/9/2014	20:00	--	43.37	
6/9/2014	21:00	--	45.60	
6/9/2014	22:00	--	47.41	
6/9/2014	23:00	--	48.75	
6/10/2014	0:00	--	50.04	
6/10/2014	1:00	--	51.04	
6/10/2014	2:00	--	51.86	
6/10/2014	3:00	--	52.55	
6/10/2014	4:00	--	53.09	
6/10/2014	5:00	--	53.56	
6/10/2014	6:00	--	53.98	
6/10/2014	7:00	--	54.39	
6/10/2014	8:00	--	54.71	
6/10/2014	9:00	--	54.89	
6/10/2014	10:00	--	55.11	
6/10/2014	11:00	--	55.33	
6/10/2014	12:00	--	55.58	
6/10/2014	13:00	--	55.74	
6/10/2014	14:00	--	55.77	
6/10/2014	15:00	--	55.85	
6/10/2014	16:00	--	55.99	
6/10/2014	17:00	--	56.15	
6/10/2014	18:00	--	56.30	
6/10/2014	19:00	--	56.44	

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Water-Level Measurements Collected from Well 31 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/10/2014	20:00	--	56.58	
6/10/2014	21:00	--	56.73	
6/10/2014	22:00	--	56.85	
6/10/2014	23:00	--	56.95	
6/11/2014	0:00	--	57.04	
6/11/2014	1:00	--	57.15	
6/11/2014	2:00	--	57.23	
6/11/2014	3:00	--	57.31	
6/11/2014	4:00	--	57.36	
6/11/2014	5:00	--	57.45	
6/11/2014	6:00	--	57.51	
6/11/2014	7:00	--	57.60	
6/11/2014	8:00	--	57.68	
6/11/2014	9:00	--	57.74	
6/11/2014	10:00	--	57.80	
6/11/2014	11:00	--	57.83	
6/11/2014	12:00	--	57.87	
6/11/2014	13:00	--	57.91	
6/11/2014	14:00	--	57.93	
6/11/2014	15:00	--	57.96	
6/11/2014	16:00	--	57.98	
6/11/2014	17:00	--	58.01	
6/11/2014	18:00	--	58.05	
6/11/2014	19:00	--	58.08	
6/11/2014	20:00	--	58.11	
6/11/2014	21:00	--	58.14	
6/11/2014	22:00	--	58.19	
6/11/2014	23:00	--	58.22	
6/12/2014	0:00	--	58.24	
6/12/2014	1:00	--	58.26	
6/12/2014	2:00	--	58.29	
6/12/2014	3:00	--	58.31	
6/12/2014	4:00	--	58.32	
6/12/2014	5:00	--	58.34	
6/12/2014	6:00	--	58.37	
6/12/2014	7:00	--	58.38	
6/12/2014	8:00	--	58.43	
6/12/2014	9:00	--	58.46	
6/12/2014	10:00	--	58.48	
6/12/2014	11:00	--	58.50	
6/12/2014	12:00	--	58.52	
6/12/2014	13:00	--	58.53	
6/12/2014	14:00	--	58.53	
6/12/2014	15:00	--	58.53	
6/12/2014	16:00	--	58.51	
6/12/2014	17:00	--	58.51	
6/12/2014	18:00	--	58.55	
6/12/2014	19:00	--	58.56	
6/12/2014	20:00	--	58.57	
6/12/2014	21:00	--	58.59	
6/12/2014	22:00	--	58.61	
6/12/2014	23:00	--	58.60	
6/12/2014	23:51	--	58.64	End of simultaneous pumping test on Wells 1, 2, 9, 11 and 25.
6/12/2014	23:52	--	58.65	
6/12/2014	23:53	--	58.65	
6/12/2014	23:54	--	58.65	
6/12/2014	23:55	--	58.65	
6/12/2014	23:56	--	58.65	
6/12/2014	23:57	--	58.56	
6/12/2014	23:58	--	58.36	

**SILO RIDGE RESORT COMMUNITY
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Summary of Water-Level Measurements Collected from Well 31 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/12/2014	23:59	--	58.08	
6/13/2014	0:00	--	57.78	
6/13/2014	1:00	--	49.96	
6/13/2014	2:00	--	46.19	
6/13/2014	3:00	--	43.61	
6/13/2014	4:00	--	41.69	
6/13/2014	5:00	--	40.19	
6/13/2014	6:00	--	39.02	
6/13/2014	7:00	--	38.06	
6/13/2014	8:00	--	37.30	
6/13/2014	9:00	--	36.65	
6/13/2014	10:00	--	36.09	
6/13/2014	11:00	--	35.61	
6/13/2014	12:00	--	35.18	
6/13/2014	13:00	--	34.80	
6/13/2014	14:00	--	34.43	
6/13/2014	15:00	--	34.11	
6/13/2014	16:00	--	33.83	
6/13/2014	17:00	--	33.55	
6/13/2014	18:00	--	33.31	
6/13/2014	19:00	--	33.10	
6/13/2014	20:00	--	32.91	
6/13/2014	21:00	--	32.74	
6/13/2014	22:00	--	32.56	
6/13/2014	23:00	--	32.42	
6/14/2014	0:00	--	32.29	
6/14/2014	1:00	--	32.14	
6/14/2014	2:00	--	32.01	
6/14/2014	3:00	--	31.89	
6/14/2014	4:00	--	31.76	
6/14/2014	5:00	--	31.66	
6/14/2014	6:00	--	31.56	
6/14/2014	7:00	--	31.49	
6/14/2014	8:00	--	31.42	
6/14/2014	9:00	--	31.35	
6/14/2014	10:00	--	31.25	
6/14/2014	11:00	--	31.21	
6/14/2014	12:00	--	31.11	
6/14/2014	13:00	--	31.07	
6/14/2014	14:00	--	31.01	
6/14/2014	15:00	--	30.94	
6/14/2014	16:00	--	30.87	
6/14/2014	17:00	--	30.76	
6/14/2014	18:00	--	30.70	
6/14/2014	19:00	--	30.64	
6/14/2014	20:00	--	30.59	
6/14/2014	21:00	--	30.54	
6/14/2014	22:00	--	30.49	
6/14/2014	23:00	--	30.46	
6/15/2014	0:00	--	30.42	
6/15/2014	1:00	--	30.42	
6/15/2014	2:00	--	30.34	
6/15/2014	3:00	--	30.31	
6/15/2014	4:00	--	30.26	
6/15/2014	5:00	--	30.23	
6/15/2014	6:00	--	30.19	
6/15/2014	7:00	--	30.20	
6/15/2014	8:00	--	30.16	
6/15/2014	9:00	--	30.11	
6/15/2014	10:00	--	30.12	

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Summary of Water-Level Measurements Collected from Well 31 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/15/2014	11:00	--	30.10	
6/15/2014	12:00	--	30.03	
6/15/2014	13:00	--	30.03	
6/15/2014	14:00	--	29.99	
6/15/2014	15:00	--	29.97	
6/15/2014	16:00	--	29.94	
6/15/2014	17:00	--	29.94	
6/15/2014	18:00	--	29.87	
6/15/2014	19:00	--	29.83	
6/15/2014	20:00	--	29.83	
6/15/2014	21:00	--	29.77	
6/15/2014	22:00	--	29.76	
6/15/2014	23:00	--	29.79	
6/16/2014	0:00	--	29.77	
6/16/2014	1:00	--	29.75	
6/16/2014	2:00	--	29.75	
6/16/2014	3:00	--	29.73	
6/16/2014	4:00	--	29.68	
6/16/2014	5:00	--	29.66	
6/16/2014	6:00	--	29.67	
6/16/2014	7:00	--	29.66	
6/16/2014	8:00	--	29.64	
6/16/2014	9:00	--	29.63	
6/16/2014	10:00	--	29.61	
6/16/2014	11:00	--	29.61	
6/16/2014	12:00	--	29.55	
6/16/2014	12:24	--	29.53	
6/16/2014	12:25	1	52.79	Pump in Well 31 started.
6/16/2014	12:26	2	59.63	Initial pumping rate for Well 31 200 gpm.
6/16/2014	12:27	3	61.95	Pumping rate adjustment completed on Well 31.
6/16/2014	12:28	4	62.41	
6/16/2014	12:29	5	64.10	
6/16/2014	12:30	6	63.48	
6/16/2014	12:31	7	60.23	Well 31 pumping rate 160 gpm.
6/16/2014	12:32	8	60.56	
6/16/2014	12:33	9	60.63	
6/16/2014	12:34	10	60.93	
6/16/2014	12:35	11	61.21	
6/16/2014	12:36	12	60.92	
6/16/2014	12:37	13	62.22	
6/16/2014	12:38	14	61.34	
6/16/2014	12:39	15	62.16	
6/16/2014	12:40	16	63.91	Well 31 pumping rate 160 gpm.
6/16/2014	12:45	21	65.86	
6/16/2014	12:50	26	66.64	Well 31 pumping rate 160 gpm.
6/16/2014	12:55	31	67.75	
6/16/2014	13:00	36	69.43	Well 31 pumping rate 160 gpm.
6/16/2014	13:05	41	72.15	
6/16/2014	13:10	46	71.77	Well 31 pumping rate 160 gpm.
6/16/2014	13:15	51	73.23	
6/16/2014	13:25	61	75.46	Well 31 pumping rate 160 gpm.
6/16/2014	13:35	71	77.52	Well 31 pumping rate 160 gpm.
6/16/2014	13:45	81	79.66	Well 31 pumping rate 160 gpm.
6/16/2014	13:55	91	80.85	Well 31 pumping rate 160 gpm.
6/16/2014	14:00	96	82.68	Well 31 pumping rate 160 gpm.
6/16/2014	15:00	156	89.88	Well 31 pumping rate 160 gpm.
6/16/2014	16:00	216	90.34	Well 31 pumping rate 160 gpm.
6/16/2014	17:00	272	98.11	Well 31 pumping rate 160 gpm.
6/16/2014	18:00	332	101.58	Well 31 pumping rate 160 gpm.
6/16/2014	19:00	392	102.96	Well 31 pumping rate 160 gpm.

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Summary of Water-Level Measurements Collected from Well 31 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/16/2014	20:00	452	104.42	Well 31 pumping rate 160 gpm.
6/16/2014	21:00	512	105.79	Well 31 pumping rate 160 gpm.
6/16/2014	22:00	572	106.44	Well 31 pumping rate 160 gpm.
6/16/2014	23:00	632	106.90	Well 31 pumping rate 160 gpm.
6/17/2014	0:00	692	109.81	Well 31 pumping rate 160 gpm.
6/17/2014	1:00	752	109.30	Well 31 pumping rate 160 gpm.
6/17/2014	2:00	812	109.92	Well 31 pumping rate 160 gpm.
6/17/2014	3:00	872	109.99	Well 31 pumping rate 160 gpm.
6/17/2014	4:00	932	112.29	Well 31 pumping rate 160 gpm.
6/17/2014	5:00	992	110.75	Well 31 pumping rate 160 gpm.
6/17/2014	6:00	1052	111.16	Well 31 pumping rate 160 gpm.
6/17/2014	7:00	1112	112.20	Well 31 pumping rate 160 gpm.
6/17/2014	8:00	1172	112.15	Well 31 pumping rate 160 gpm.
6/17/2014	9:00	1232	109.74	Well 31 pumping rate 159 gpm.
6/17/2014	10:00	1292	111.46	Well 31 pumping rate 159 gpm.
6/17/2014	11:00	1352	111.43	Well 31 pumping rate 159 gpm.
6/17/2014	12:00	1412	111.81	Well 31 pumping rate 159 gpm.
6/17/2014	13:00	1472	110.84	Well 31 pumping rate 159 gpm.
6/17/2014	14:00	1532	111.90	Well 31 pumping rate 159 gpm.
6/17/2014	15:00	1592	111.96	Well 31 pumping rate 158 gpm.
6/17/2014	16:00	1652	112.44	Well 31 pumping rate 158 gpm.
6/17/2014	17:00	1712	111.25	Well 31 pumping rate 158 gpm.
6/17/2014	18:00	1772	111.66	Well 31 pumping rate 158 gpm.
6/17/2014	19:00	1832	111.12	Well 31 pumping rate 158 gpm.
6/17/2014	20:00	1892	112.40	Well 31 pumping rate 158 gpm.
6/17/2014	21:00	1952	111.94	Well 31 pumping rate 158 gpm.
6/17/2014	22:00	2012	113.23	Well 31 pumping rate 158 gpm.
6/17/2014	23:00	2072	112.91	Well 31 pumping rate 158 gpm.
6/18/2014	0:00	2132	112.63	Well 31 pumping rate 158 gpm.
6/18/2014	1:00	2192	112.59	Well 31 pumping rate 158 gpm.
6/18/2014	2:00	2252	112.02	Well 31 pumping rate 158 gpm.
6/18/2014	3:00	2312	112.13	Well 31 pumping rate 158 gpm.
6/18/2014	4:00	2372	112.62	Well 31 pumping rate 158 gpm.
6/18/2014	5:00	2432	113.29	Well 31 pumping rate 158 gpm.
6/18/2014	6:00	2492	113.18	Well 31 pumping rate 158 gpm.
6/18/2014	7:00	2552	112.22	Well 31 pumping rate 158 gpm.
6/18/2014	8:00	2612	113.54	Well 31 pumping rate 158 gpm.
6/18/2014	9:00	2672	110.58	Well 31 pumping rate 158 gpm.
6/18/2014	10:00	2732	112.43	Well 31 pumping rate 158 gpm.
6/18/2014	11:00	2792	112.69	Well 31 pumping rate 158 gpm.
6/18/2014	12:00	2852	112.32	Well 31 pumping rate 158 gpm.
6/18/2014	13:00	2912	112.90	Well 31 pumping rate 158 gpm.
6/18/2014	14:00	2972	113.33	Well 31 pumping rate 158 gpm.
6/18/2014	15:00	3032	112.77	Well 31 pumping rate 158 gpm.
6/18/2014	16:00	3092	113.28	Well 31 pumping rate 158 gpm.
6/18/2014	17:00	3152	112.30	Well 31 pumping rate 158 gpm.
6/18/2014	18:00	3212	113.19	Well 31 pumping rate 158 gpm.
6/18/2014	19:00	3272	113.40	Well 31 pumping rate 158 gpm.
6/18/2014	20:00	3332	113.38	Well 31 pumping rate 158 gpm.
6/18/2014	21:00	3392	113.55	Well 31 pumping rate 158 gpm.
6/18/2014	22:00	3452	112.88	Well 31 pumping rate 158 gpm.
6/18/2014	23:00	3512	113.95	Well 31 pumping rate 158 gpm.
6/19/2014	0:00	3572	114.68	Well 31 pumping rate 158 gpm.
6/19/2014	1:00	3632	113.47	Well 31 pumping rate 158 gpm.
6/19/2014	2:00	3692	112.87	Well 31 pumping rate 158 gpm.
6/19/2014	3:00	3752	113.55	Well 31 pumping rate 158 gpm.
6/19/2014	4:00	3812	113.12	Well 31 pumping rate 158 gpm.
6/19/2014	5:00	3872	113.65	Well 31 pumping rate 158 gpm.
6/19/2014	6:00	3932	113.55	Well 31 pumping rate 158 gpm.
6/19/2014	7:00	3992	113.18	Well 31 pumping rate 158 gpm.

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Summary of Water-Level Measurements Collected from Well 31 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/19/2014	8:00	4052	113.30	Well 31 pumping rate 158 gpm.
6/19/2014	9:00	4112	113.22	Well 31 pumping rate 158 gpm.
6/19/2014	10:00	4172	112.34	Well 31 pumping rate 158 gpm.
6/19/2014	11:00	4232	114.41	Well 31 pumping rate 158 gpm.
6/19/2014	12:00	4292	112.23	Well 31 pumping rate 158 gpm.
6/19/2014	12:43	4335	114.46	Well 31 pumping rate 158 gpm.
6/19/2014	12:44	4336	112.63	Well 31 pumping rate 158 gpm.
6/19/2014	12:45	--	103.84	Pump in Well 31 shut down.
6/19/2014	12:46	--	97.19	
6/19/2014	12:47	--	95.00	
6/19/2014	12:48	--	93.37	
6/19/2014	12:49	--	92.07	
6/19/2014	12:50	--	90.96	
6/19/2014	12:51	--	89.98	
6/19/2014	12:52	--	89.10	
6/19/2014	12:53	--	88.29	
6/19/2014	12:54	--	87.54	
6/19/2014	12:55	--	86.84	
6/19/2014	12:56	--	86.19	
6/19/2014	12:57	--	85.60	
6/19/2014	12:58	--	84.99	
6/19/2014	12:59	--	84.44	
6/19/2014	13:00	--	83.93	
6/19/2014	13:05	--	81.53	
6/19/2014	13:10	--	79.48	
6/19/2014	13:15	--	77.71	
6/19/2014	13:20	--	76.10	
6/19/2014	13:25	--	74.63	
6/19/2014	13:30	--	73.27	
6/19/2014	13:35	--	72.02	
6/19/2014	13:40	--	70.88	
6/19/2014	13:50	--	68.75	
6/19/2014	14:00	--	66.82	
6/19/2014	15:00	--	58.37	
6/19/2014	16:00	--	52.86	
6/19/2014	17:00	--	49.04	
6/19/2014	18:00	--	44.02	
6/19/2014	19:00	--	41.87	
6/19/2014	20:00	--	40.18	
6/19/2014	21:00	--	38.85	
6/19/2014	22:00	--	37.77	
6/19/2014	23:00	--	36.89	
6/20/2014	0:00	--	36.09	
6/20/2014	1:00	--	35.47	
6/20/2014	2:00	--	34.95	
6/20/2014	3:00	--	34.46	
6/20/2014	4:00	--	34.04	
6/20/2014	5:00	--	33.67	
6/20/2014	6:00	--	33.31	
6/20/2014	7:00	--	32.99	
6/20/2014	8:00	--	32.71	
6/20/2014	9:00	--	32.43	
6/20/2014	10:00	--	32.20	
6/20/2014	11:00	--	31.97	
6/20/2014	12:00	--	31.76	
6/20/2014	13:00	--	31.58	
6/20/2014	14:00	--	31.41	
6/20/2014	15:00	--	31.25	
6/20/2014	16:00	--	31.11	
6/20/2014	17:00	--	30.97	

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Summary of Water-Level Measurements Collected from Well 31 During 72-Hour Pumping Tests Conducted June 9
Through June 19, 2014

Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/20/2014	18:00	--	30.85	
6/20/2014	19:00	--	30.75	
6/20/2014	20:00	--	30.63	
6/20/2014	21:00	--	30.53	
6/20/2014	22:00	--	30.43	
6/20/2014	23:00	--	30.33	
6/21/2014	0:00	--	30.24	
6/21/2014	1:00	--	30.17	
6/21/2014	2:00	--	30.09	
6/21/2014	3:00	--	30.03	
6/21/2014	4:00	--	29.98	
6/21/2014	5:00	--	29.90	
6/21/2014	6:00	--	29.84	
6/21/2014	7:00	--	29.80	
6/21/2014	8:00	--	29.75	
6/21/2014	9:00	--	29.70	
6/21/2014	10:00	--	29.63	
6/21/2014	11:00	--	29.57	
6/21/2014	12:00	--	29.50	
6/21/2014	13:00	--	29.45	
6/21/2014	14:00	--	29.41	
6/21/2014	15:00	--	29.35	
6/21/2014	16:00	--	29.33	
6/21/2014	17:00	--	29.28	
6/21/2014	18:00	--	29.25	
6/21/2014	19:00	--	29.21	
6/21/2014	20:00	--	29.18	
6/21/2014	21:00	--	29.19	
6/21/2014	22:00	--	29.13	
6/21/2014	23:00	--	29.09	
6/22/2014	0:00	--	29.06	
6/22/2014	1:00	--	29.02	
6/22/2014	2:00	--	29.00	
6/22/2014	3:00	--	28.98	
6/22/2014	4:00	--	28.96	
6/22/2014	5:00	--	28.95	
6/22/2014	6:00	--	28.93	
6/22/2014	7:00	--	28.92	
6/22/2014	8:00	--	28.90	
6/22/2014	9:00	--	28.88	
6/22/2014	10:00	--	28.86	
6/22/2014	11:00	--	28.84	
6/22/2014	12:00	--	28.85	
6/22/2014	13:00	--	28.77	
6/22/2014	14:00	--	28.76	
6/22/2014	15:00	--	28.72	
6/22/2014	16:00	--	28.74	
6/22/2014	17:00	--	28.73	
6/22/2014	18:00	--	28.72	
6/22/2014	19:00	--	28.72	
6/22/2014	20:00	--	28.67	
6/22/2014	21:00	--	28.66	
6/22/2014	22:00	--	28.65	
6/22/2014	23:00	--	28.65	
6/23/2014	0:00	--	28.63	
6/23/2014	1:00	--	28.62	
6/23/2014	2:00	--	28.61	
6/23/2014	3:00	--	28.63	
6/23/2014	4:00	--	28.63	
6/23/2014	5:00	--	28.63	

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Summary of Water-Level Measurements Collected from Well 31 During 72-Hour Pumping Tests Conducted June 9
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Date	Time	Elapsed Time (minutes)	Depth to Water (ft btoc)	Comments
6/23/2014	6:00	--	28.60	
6/23/2014	7:00	--	28.59	
6/23/2014	8:00	--	28.63	
6/23/2014	9:00	--	28.60	
6/23/2014	10:00	--	28.63	
6/23/2014	11:00	--	28.57	
6/23/2014	12:00	--	28.60	
6/23/2014	13:00	--	28.53	
6/23/2014	14:00	--	28.54	
6/23/2014	15:00	--	28.54	
6/23/2014	16:00	--	28.56	
6/23/2014	17:00	--	28.55	
6/23/2014	18:00	--	28.59	
6/23/2014	19:00	--	28.62	
6/23/2014	20:00	--	28.64	
6/23/2014	21:00	--	28.65	
6/23/2014	22:00	--	28.65	
6/23/2014	23:00	--	28.70	
6/24/2014	0:00	--	28.66	
6/24/2014	1:00	--	28.69	
6/24/2014	2:00	--	28.65	
6/24/2014	3:00	--	28.69	
6/24/2014	4:00	--	28.65	
6/24/2014	5:00	--	28.64	
6/24/2014	6:00	--	28.65	
6/24/2014	7:00	--	28.70	
6/24/2014	8:00	--	28.66	
6/24/2014	9:00	--	28.37	

ft btoc feet below top of casing

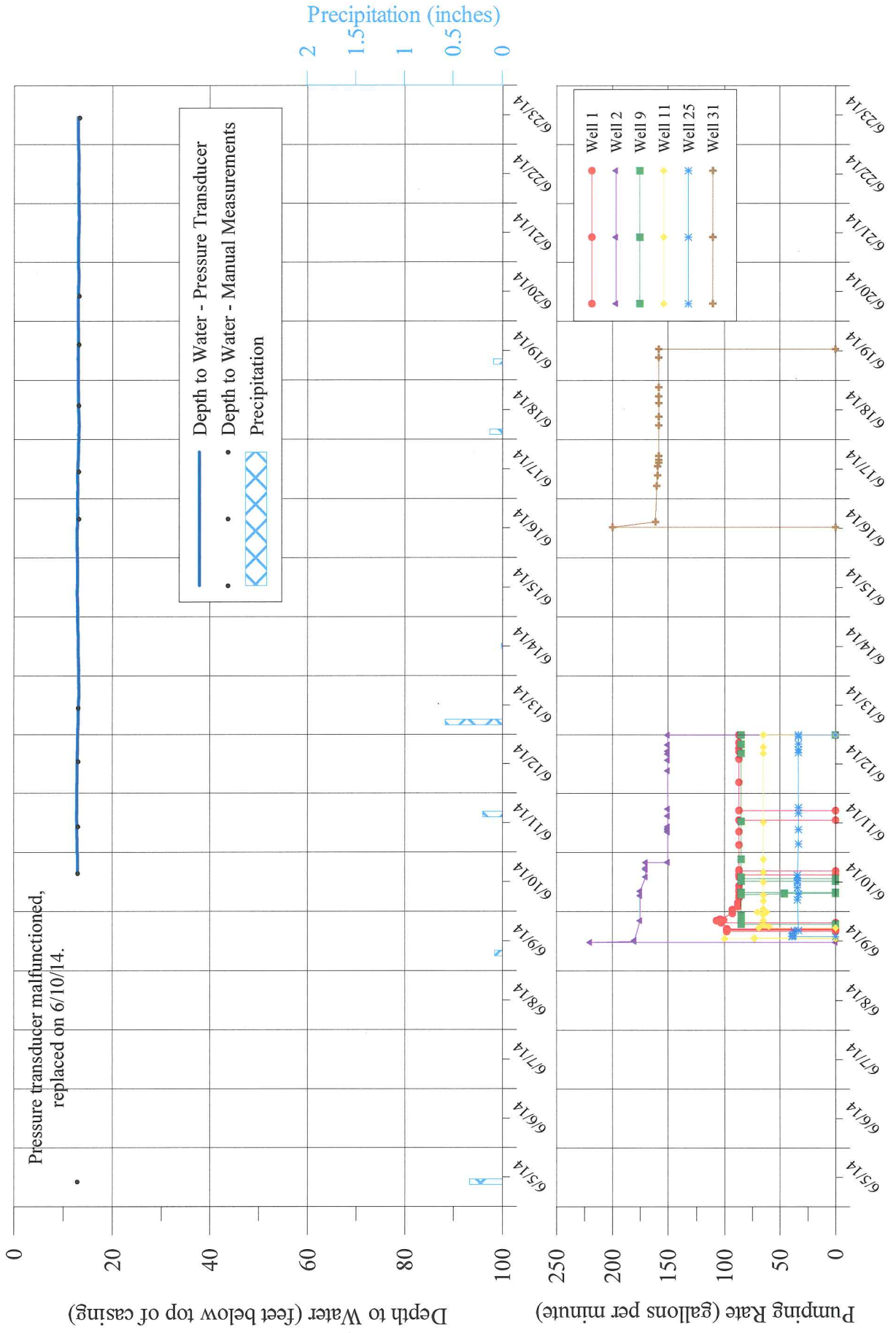
gpm gallons per minute

K:\Jobs\Silo Ridge\72-Hour Pumping Test\Reporting\Water Level tables\Well 31.docx

APPENDIX III

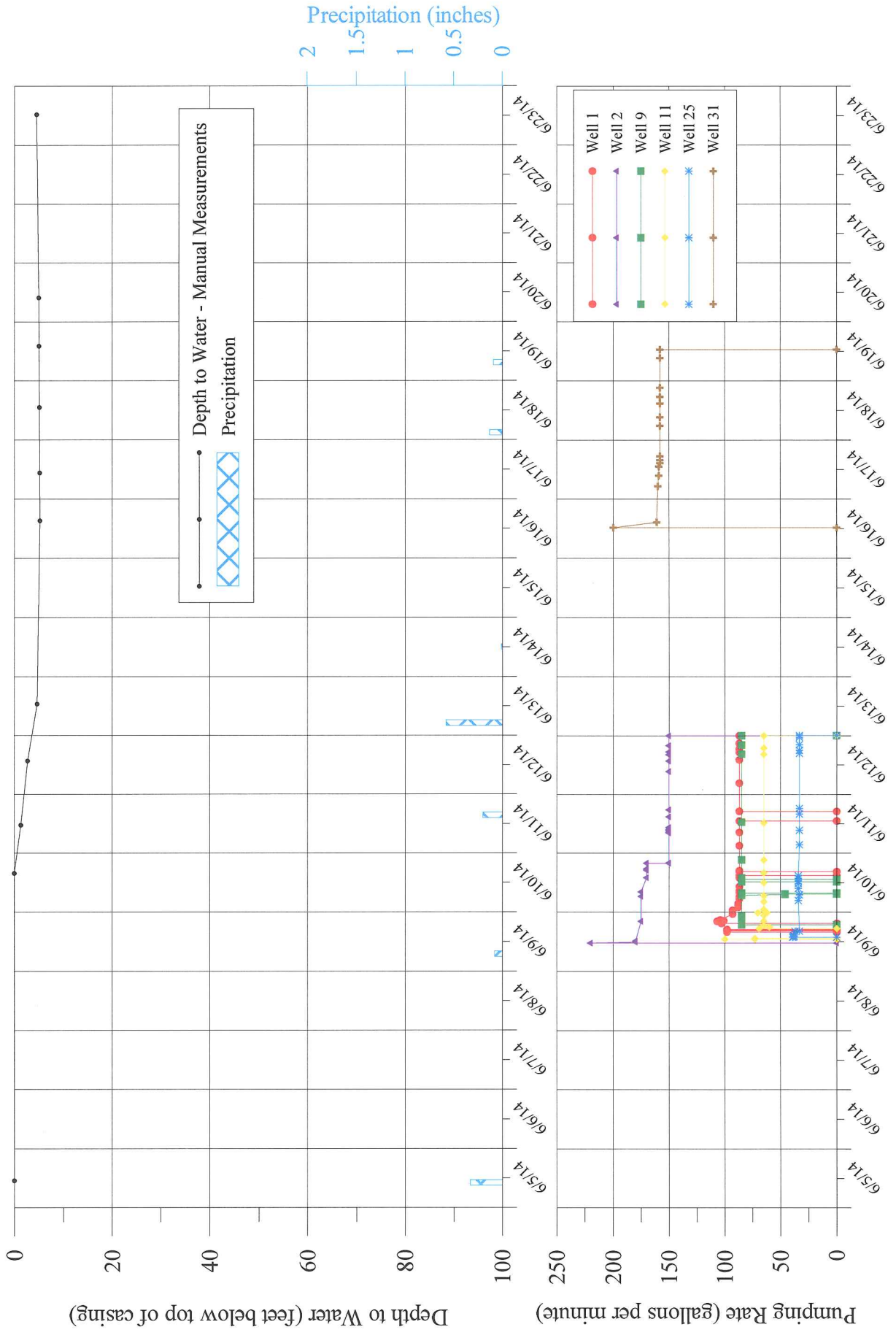
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 3 During Pumping Tests Conducted June 9 Through 19, 2014



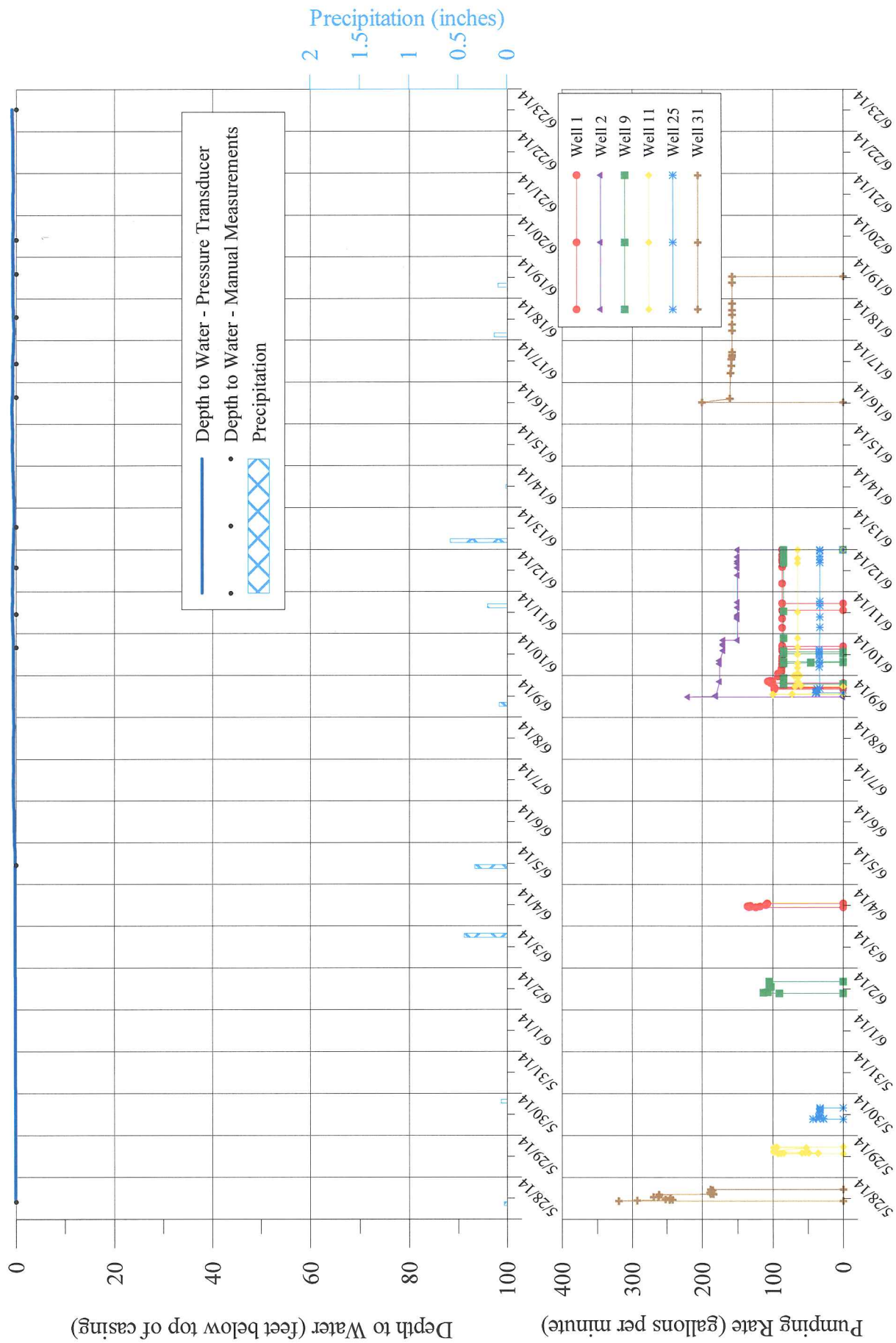
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 5 During Pumping Tests Conducted June 9 Through 19, 2014



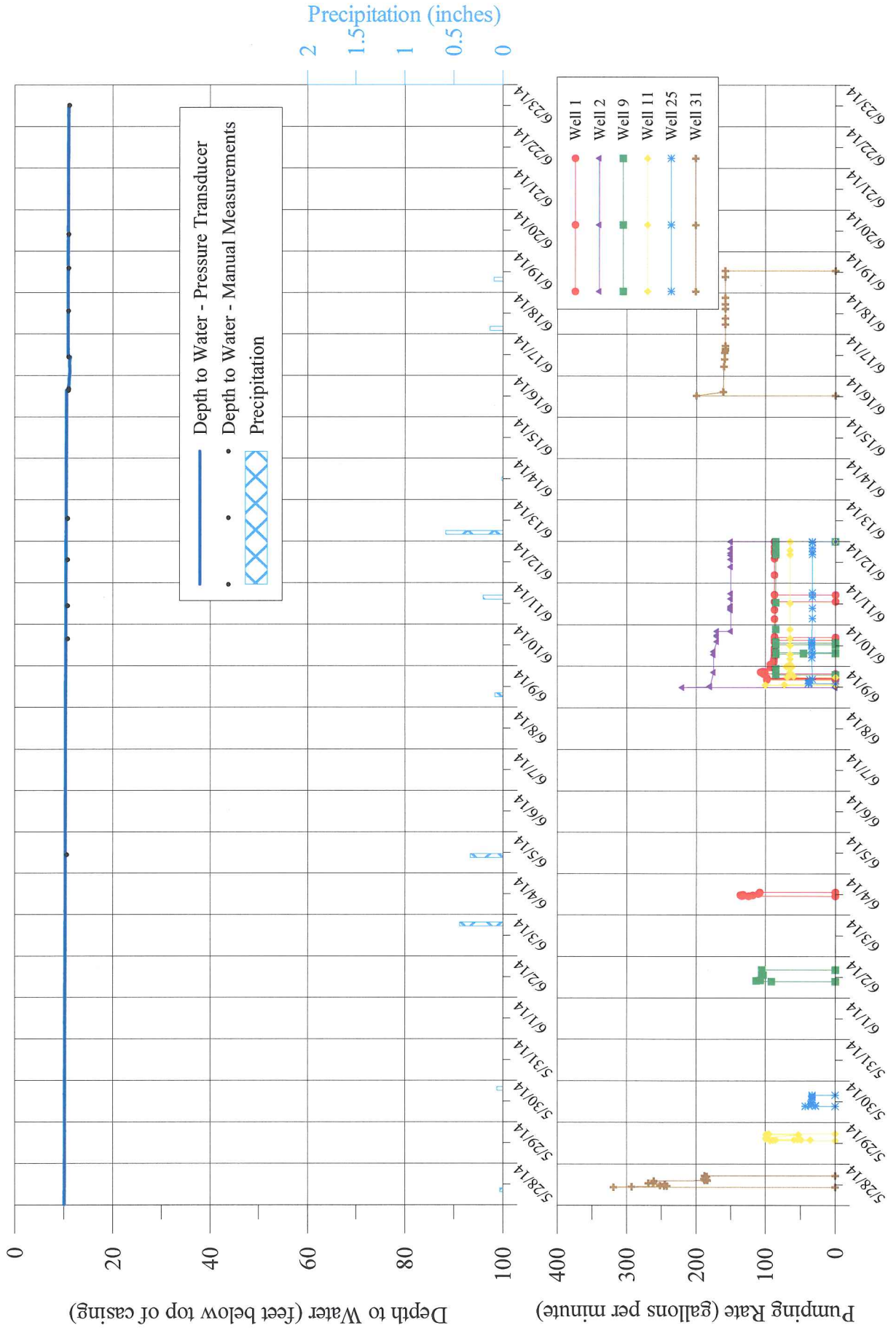
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 6 During Pumping Tests Conducted June 9 Through 19, 2014



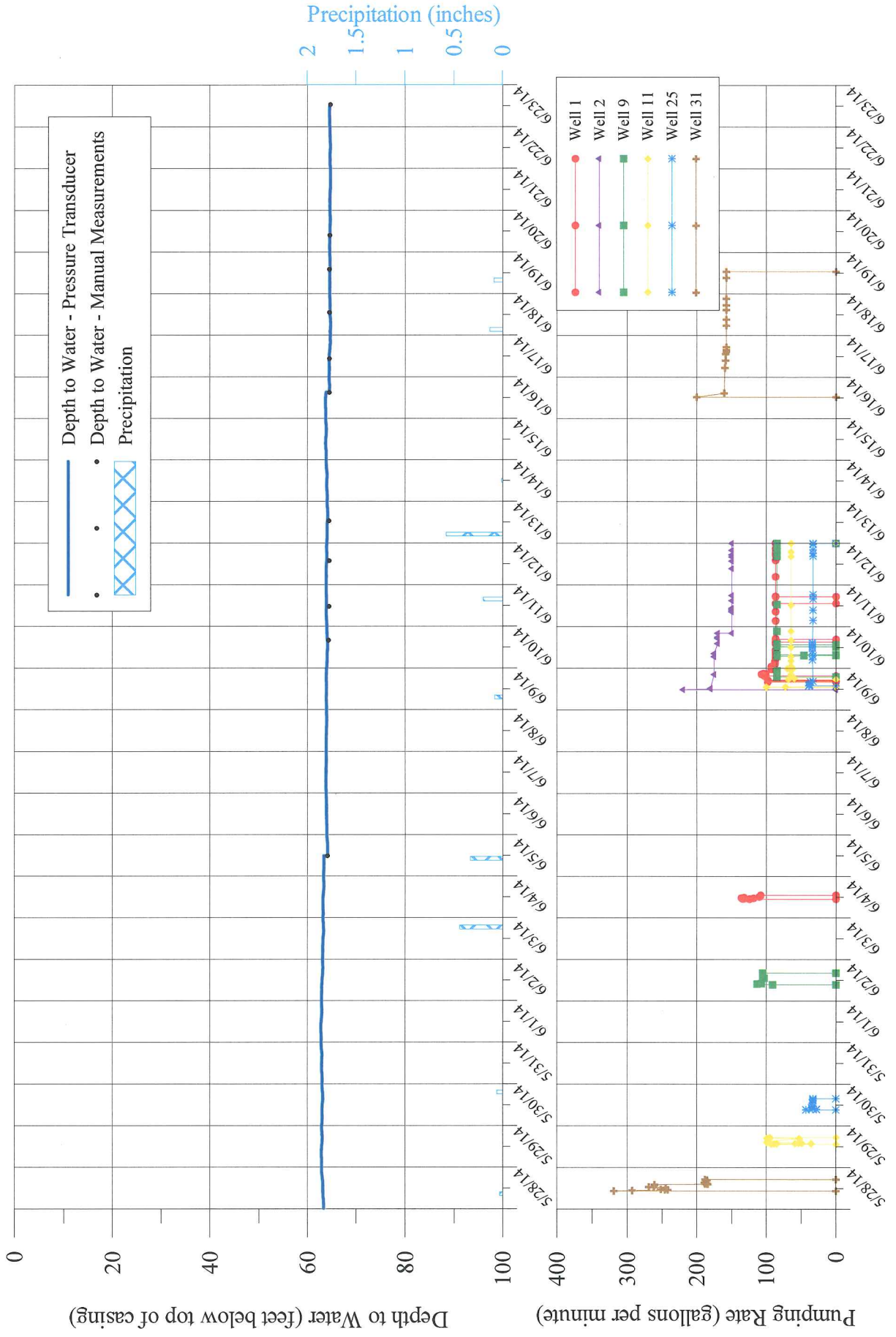
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 7 During Pumping Tests Conducted June 9 Through 19, 2014



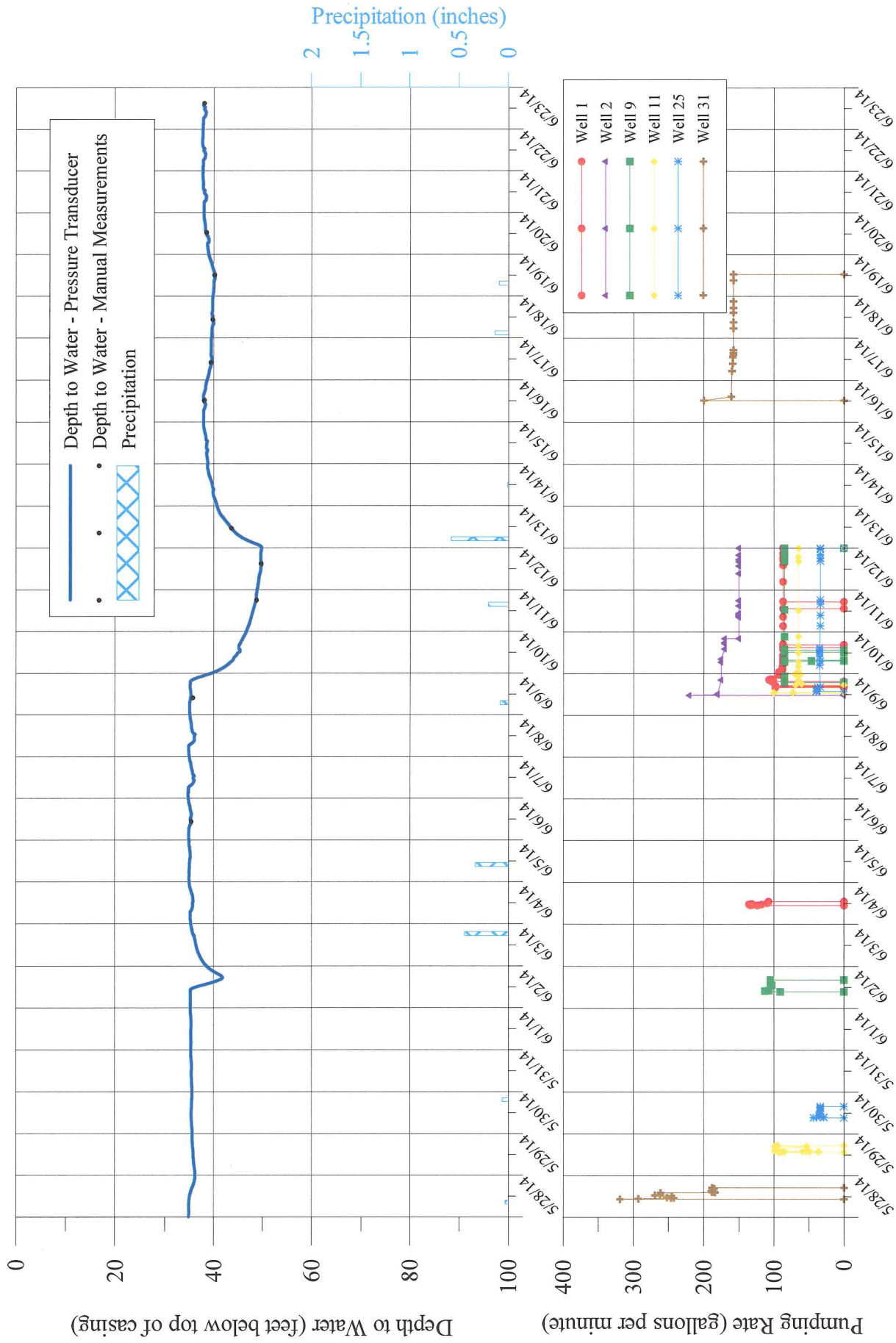
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 8 During Pumping Tests Conducted June 9 Through 19, 2014



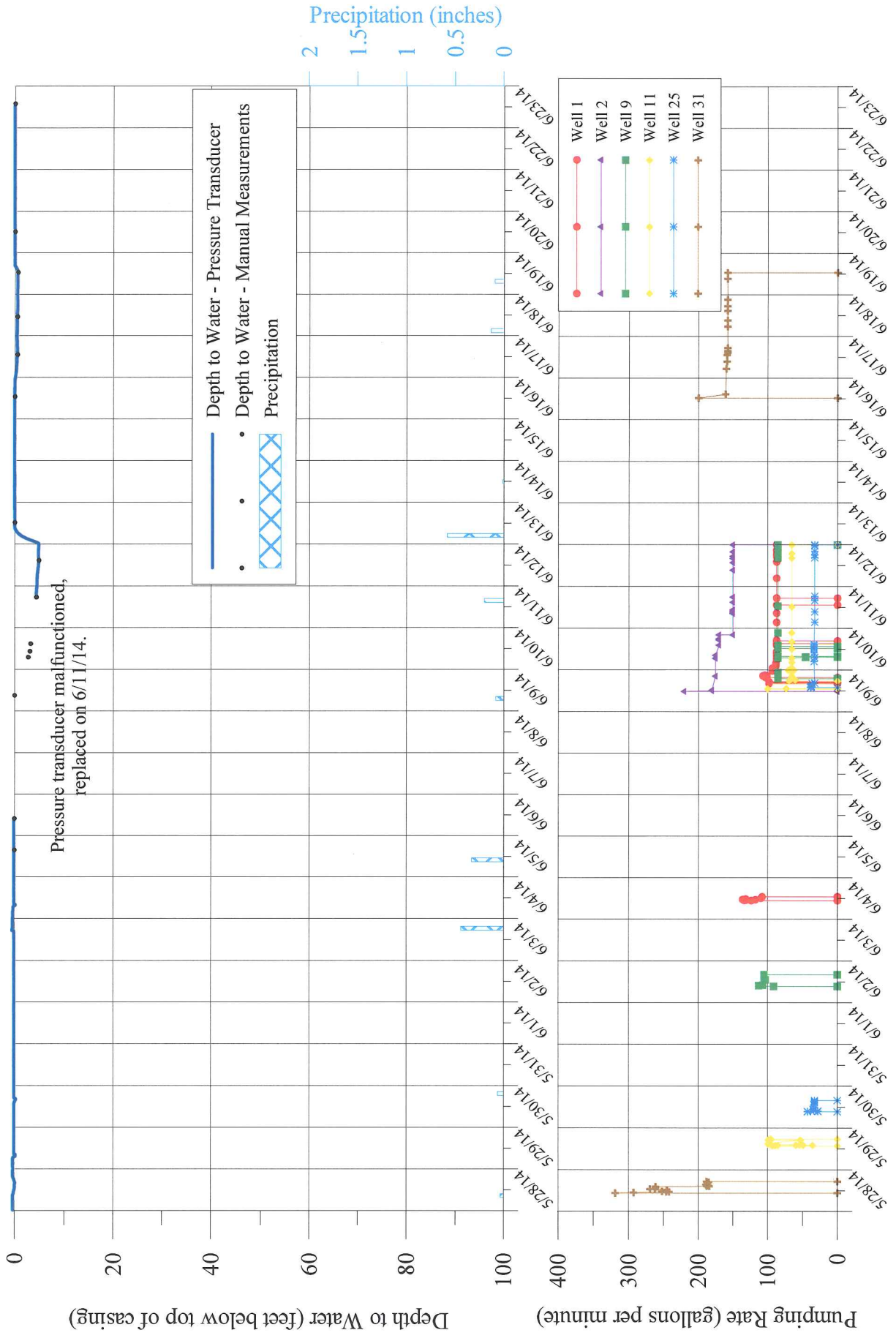
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 10 During Pumping Tests Conducted June 9 Through 19, 2014



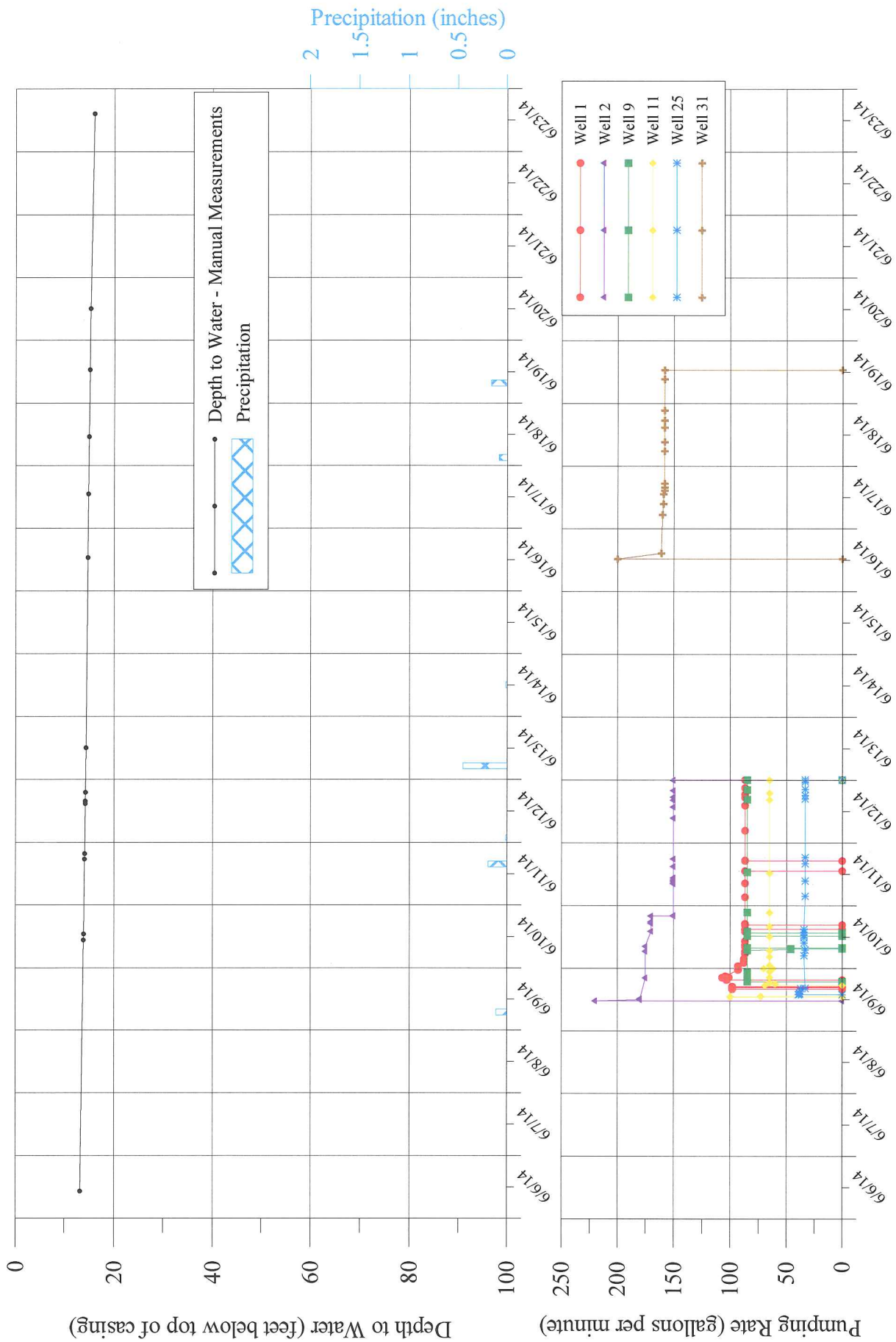
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 12 During Pumping Tests Conducted June 9 Through 19, 2014



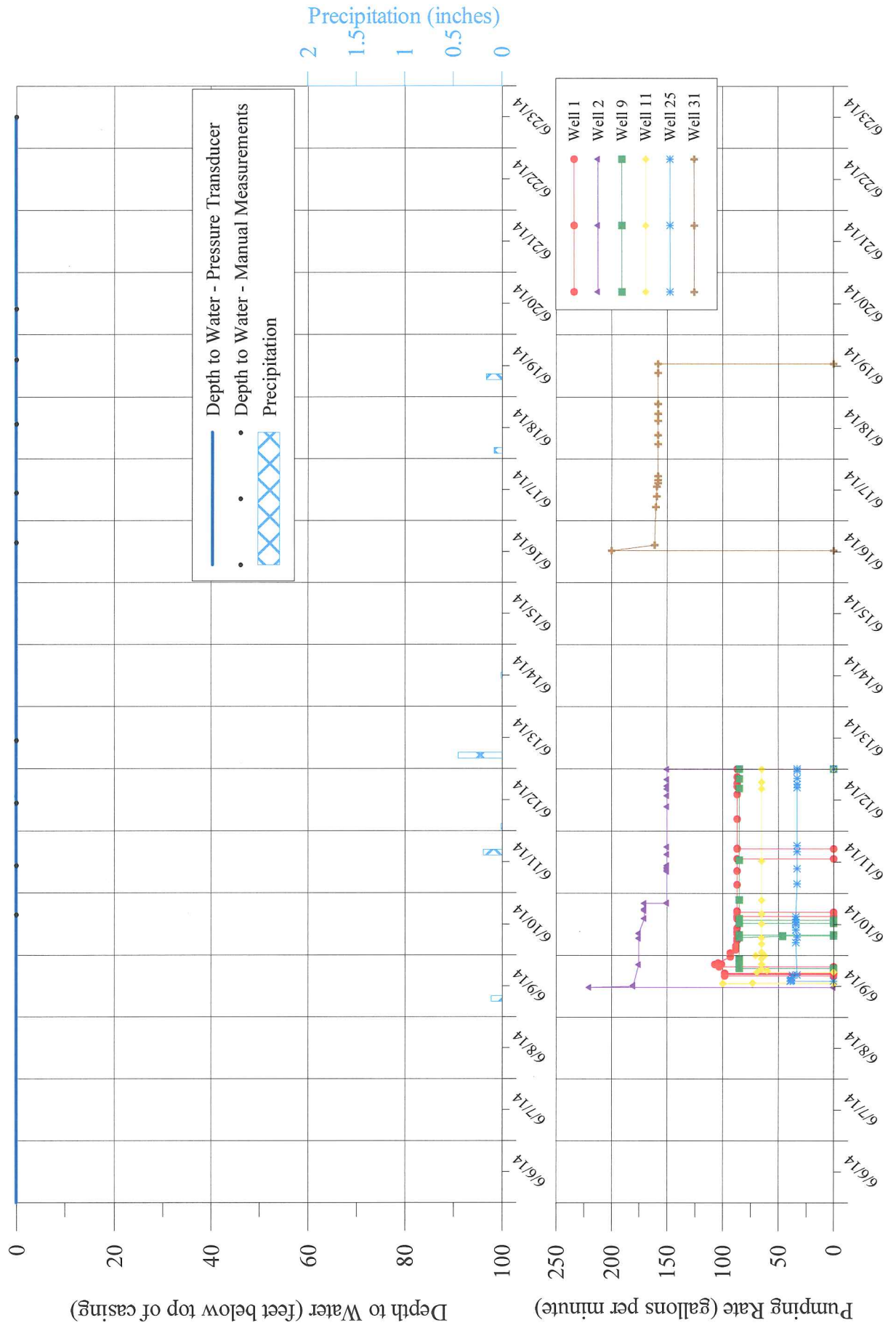
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 13 During Pumping Tests Conducted June 9 Through 19, 2014



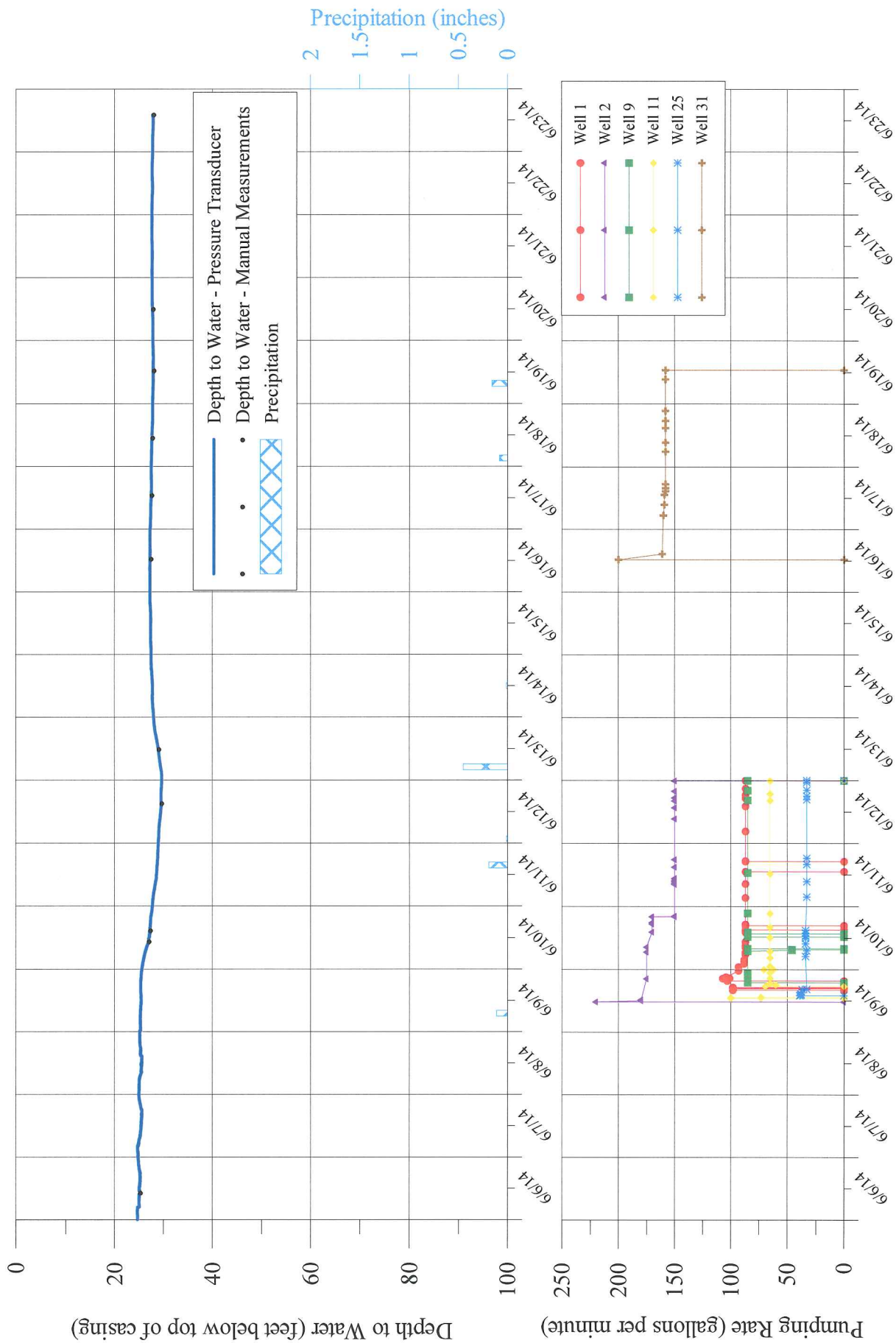
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 14 During Pumping Tests Conducted June 9 Through 19, 2014



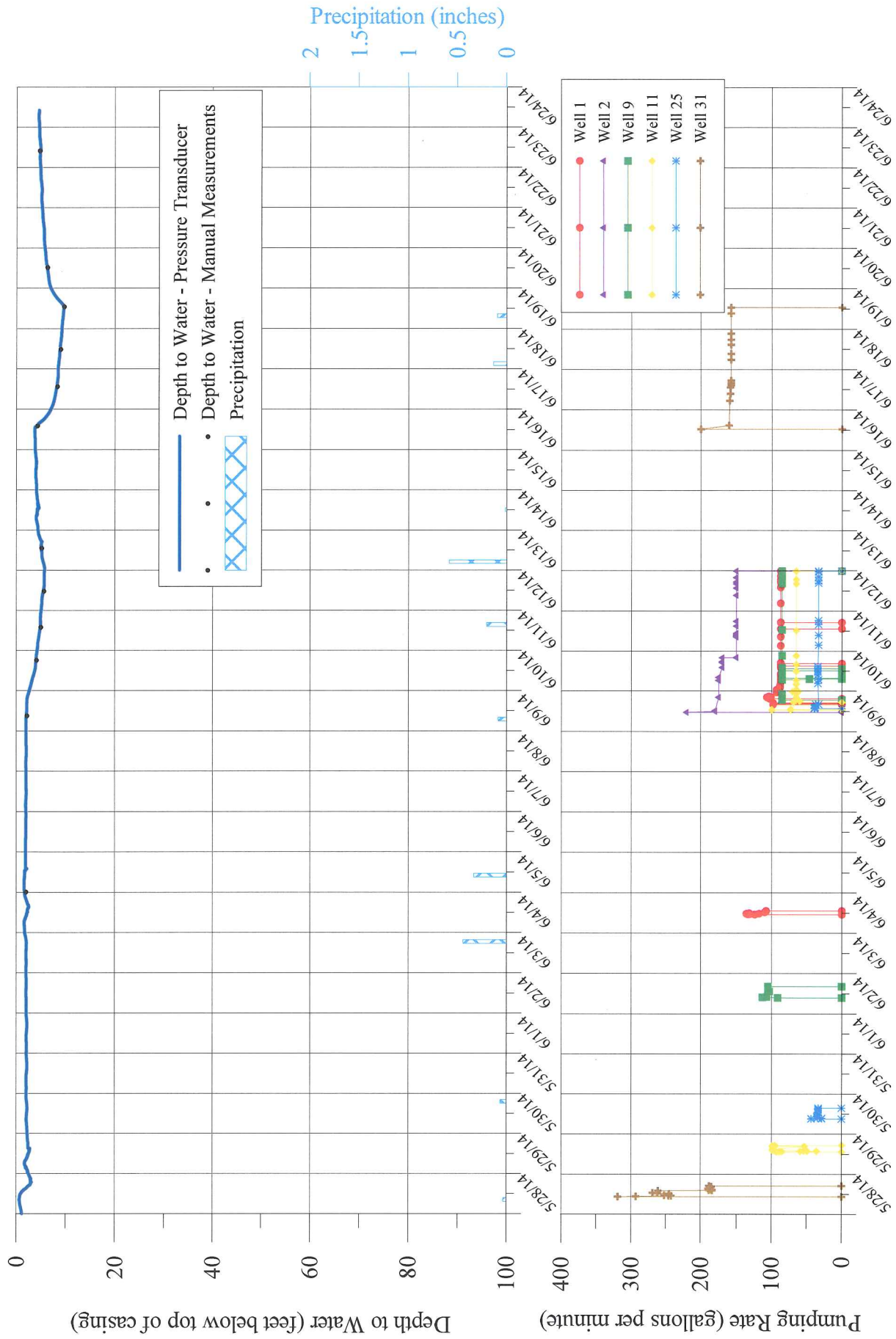
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 16 During Pumping Tests Conducted June 9 Through 19, 2014



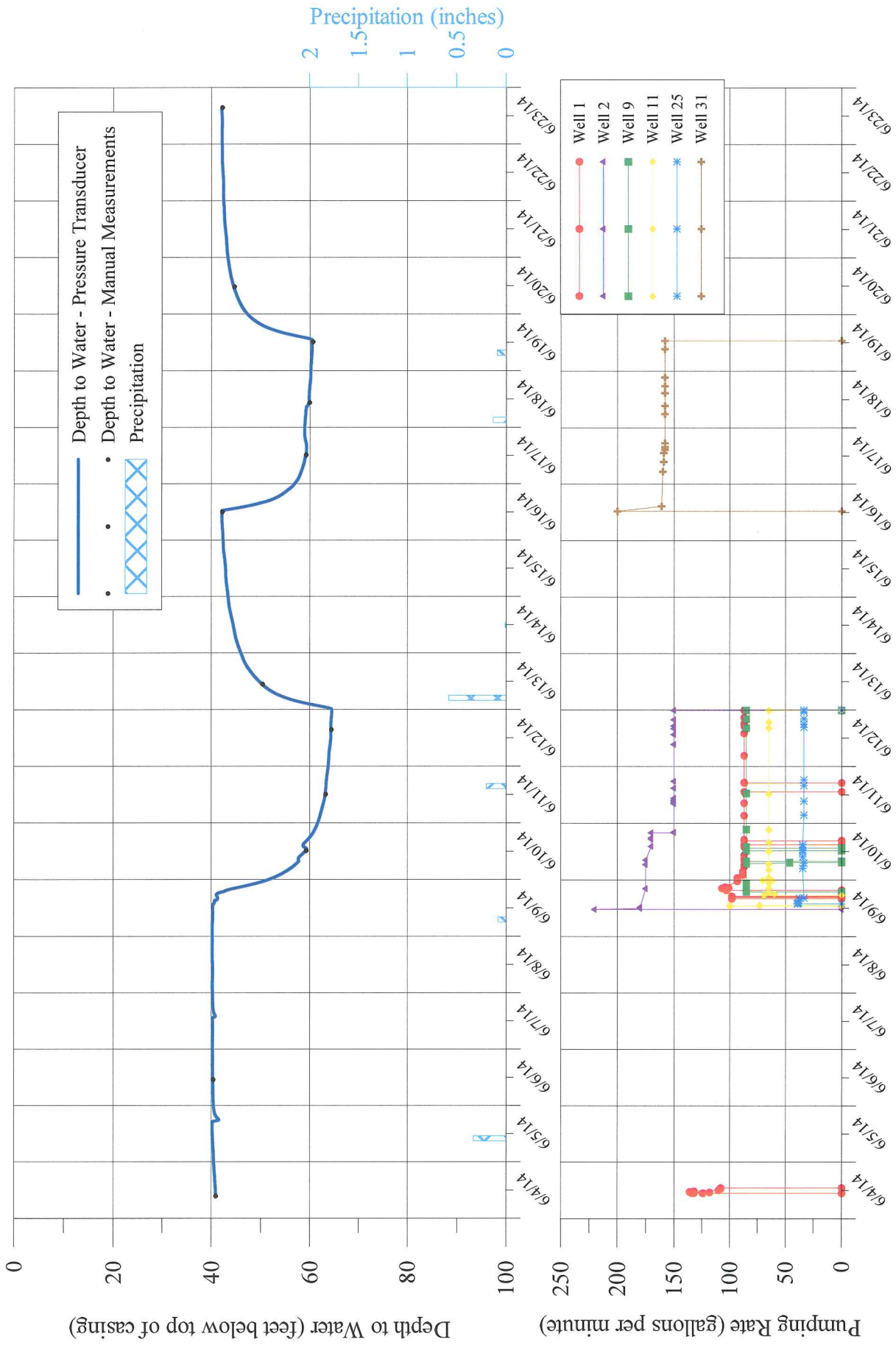
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 17 During Pumping Tests Conducted June 9 Through 19, 2014



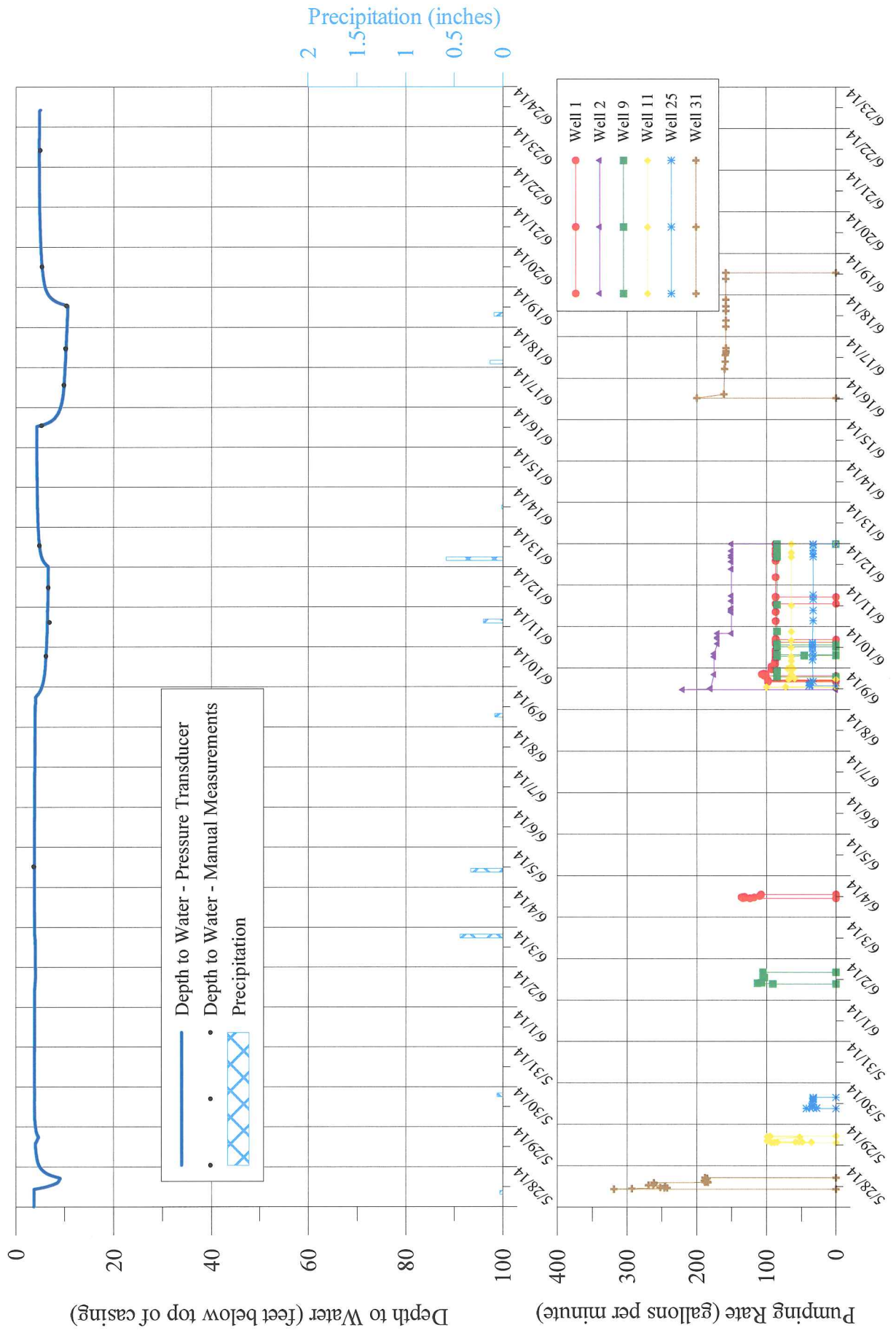
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 18 During Pumping Tests Conducted June 9 Through 19, 2014



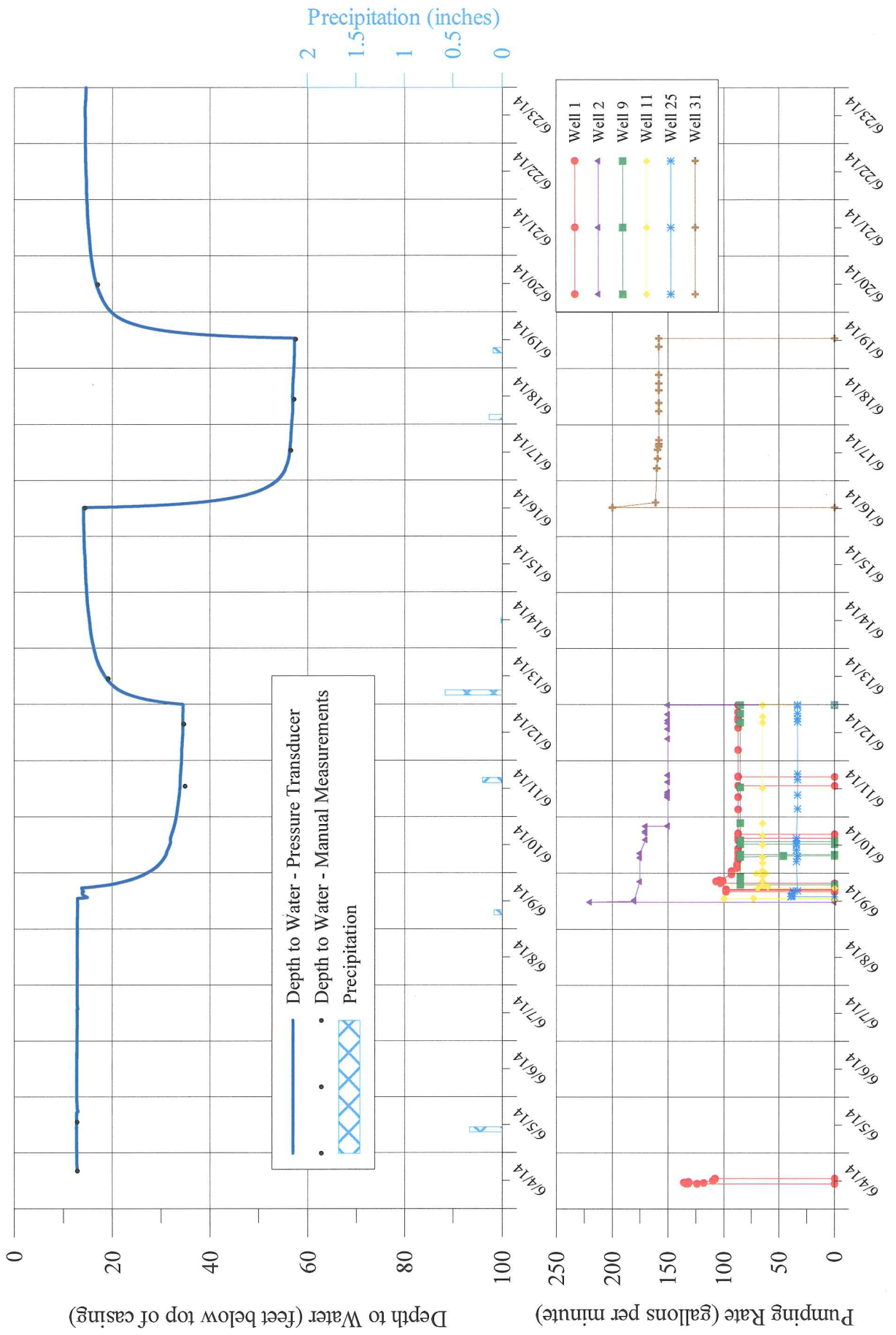
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 19 During Pumping Tests Conducted June 9 Through 19, 2014



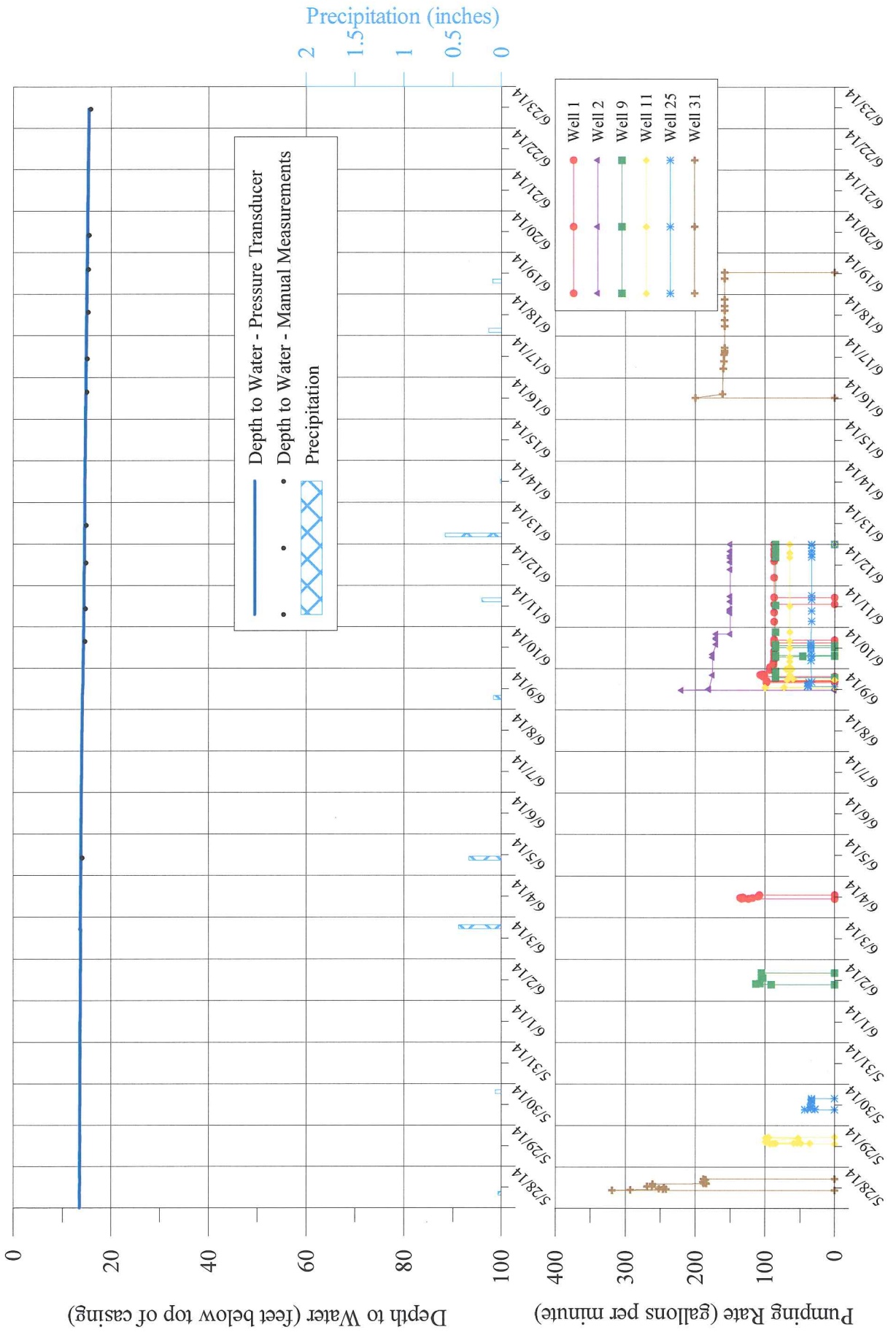
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 20 During Pumping Tests Conducted June 9 Through 19, 2014



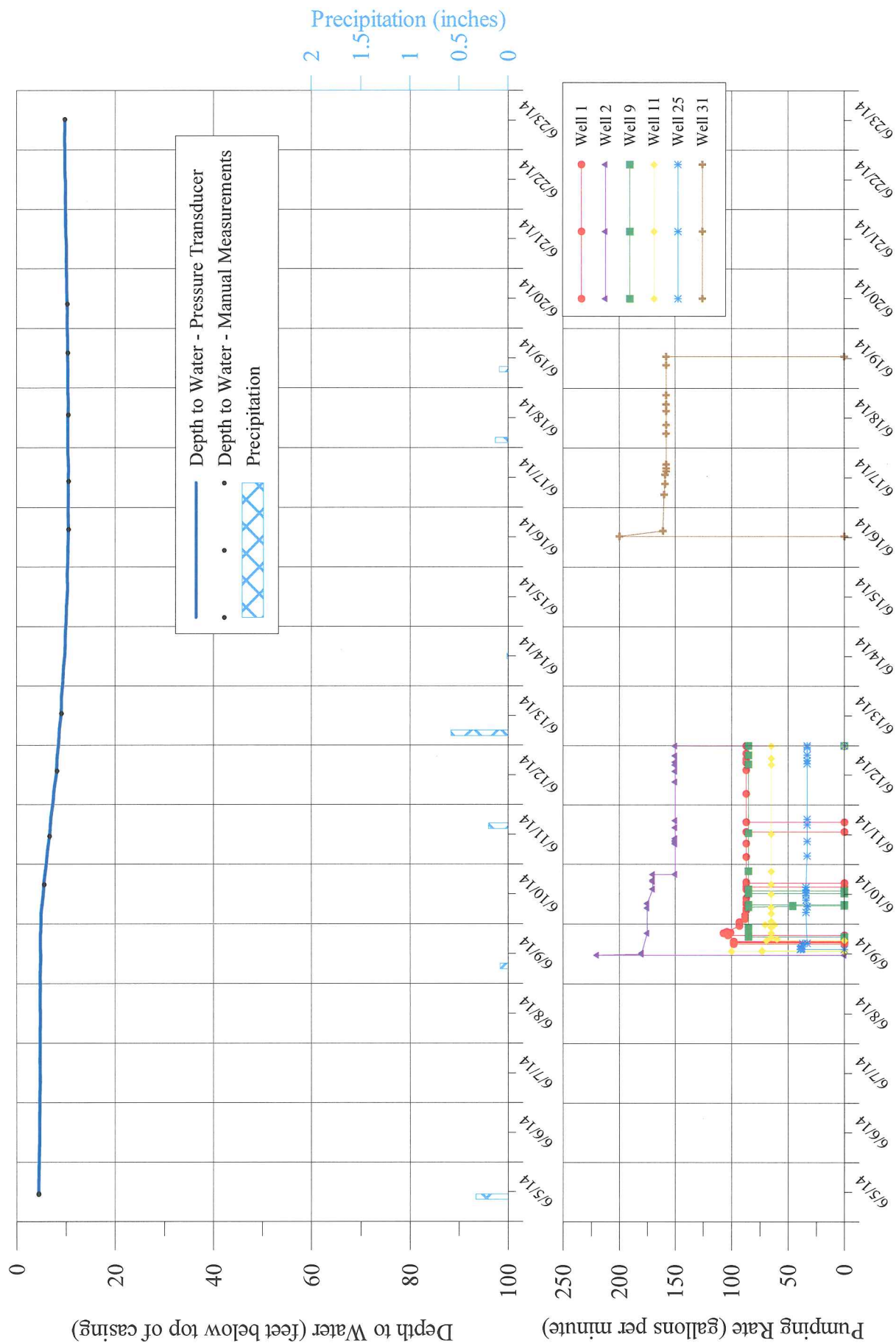
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 21 During Pumping Tests Conducted June 9 Through 19, 2014



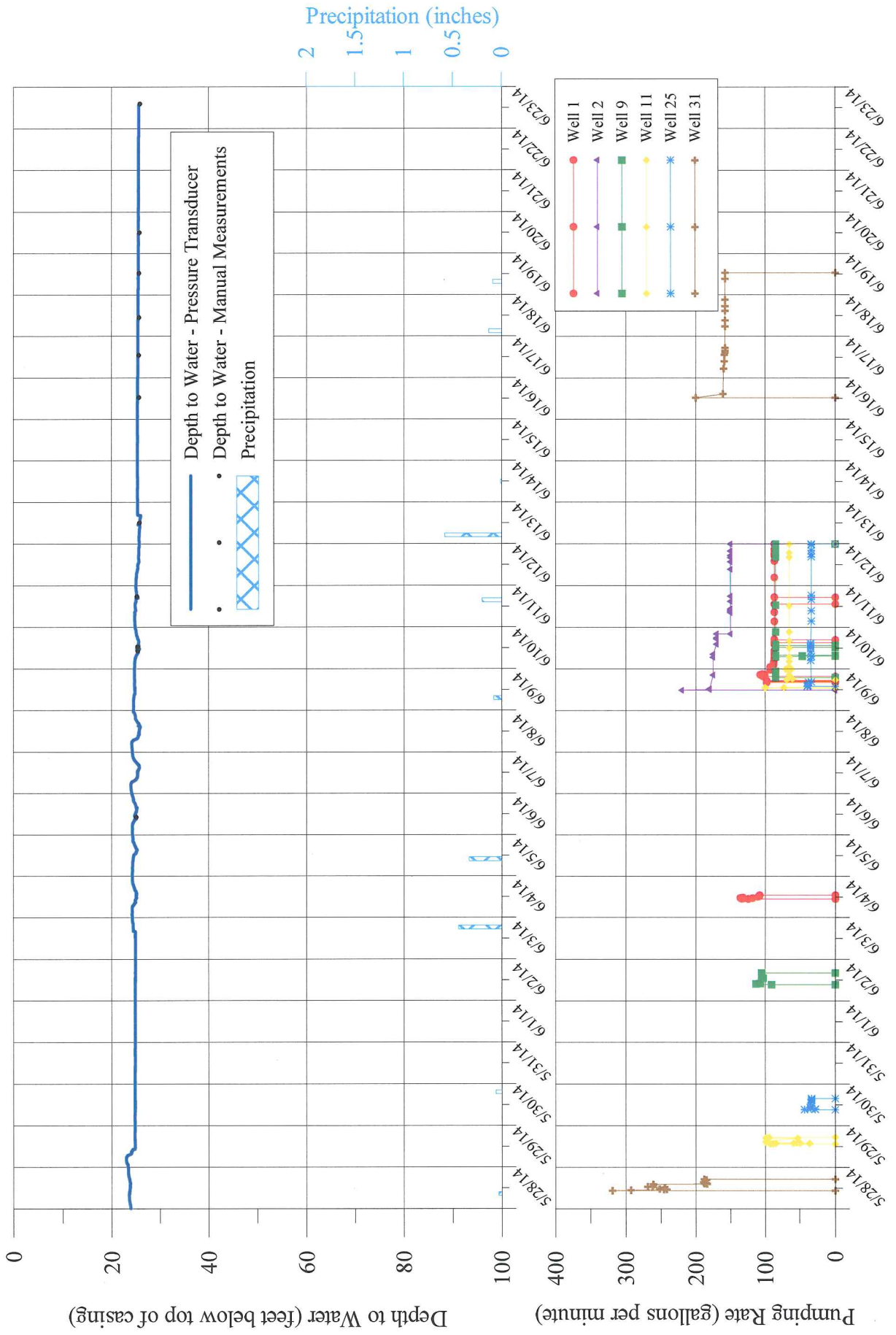
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 22 During Pumping Tests Conducted June 9 Through 19, 2014



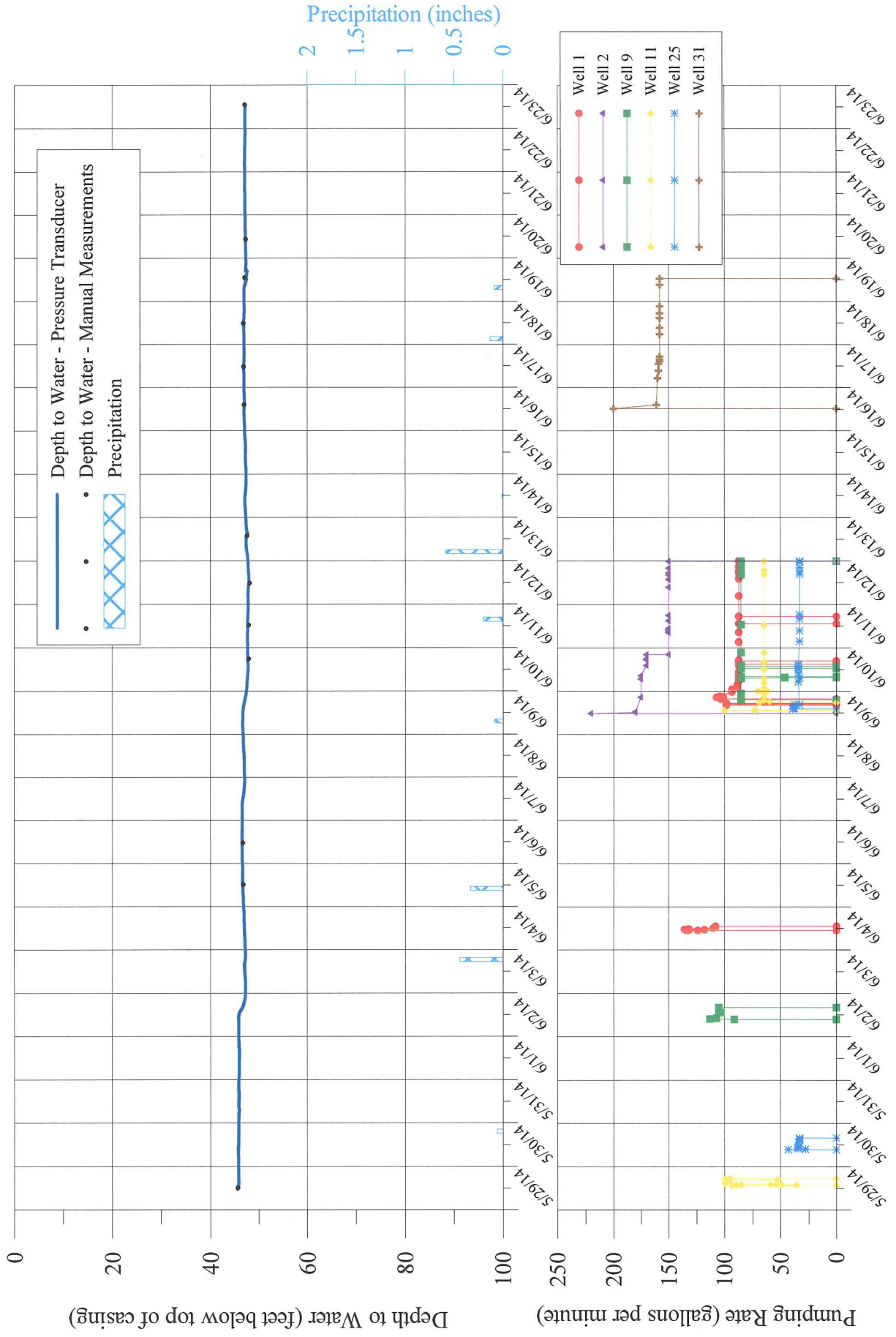
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 23 During Pumping Tests Conducted June 9 Through 19, 2014



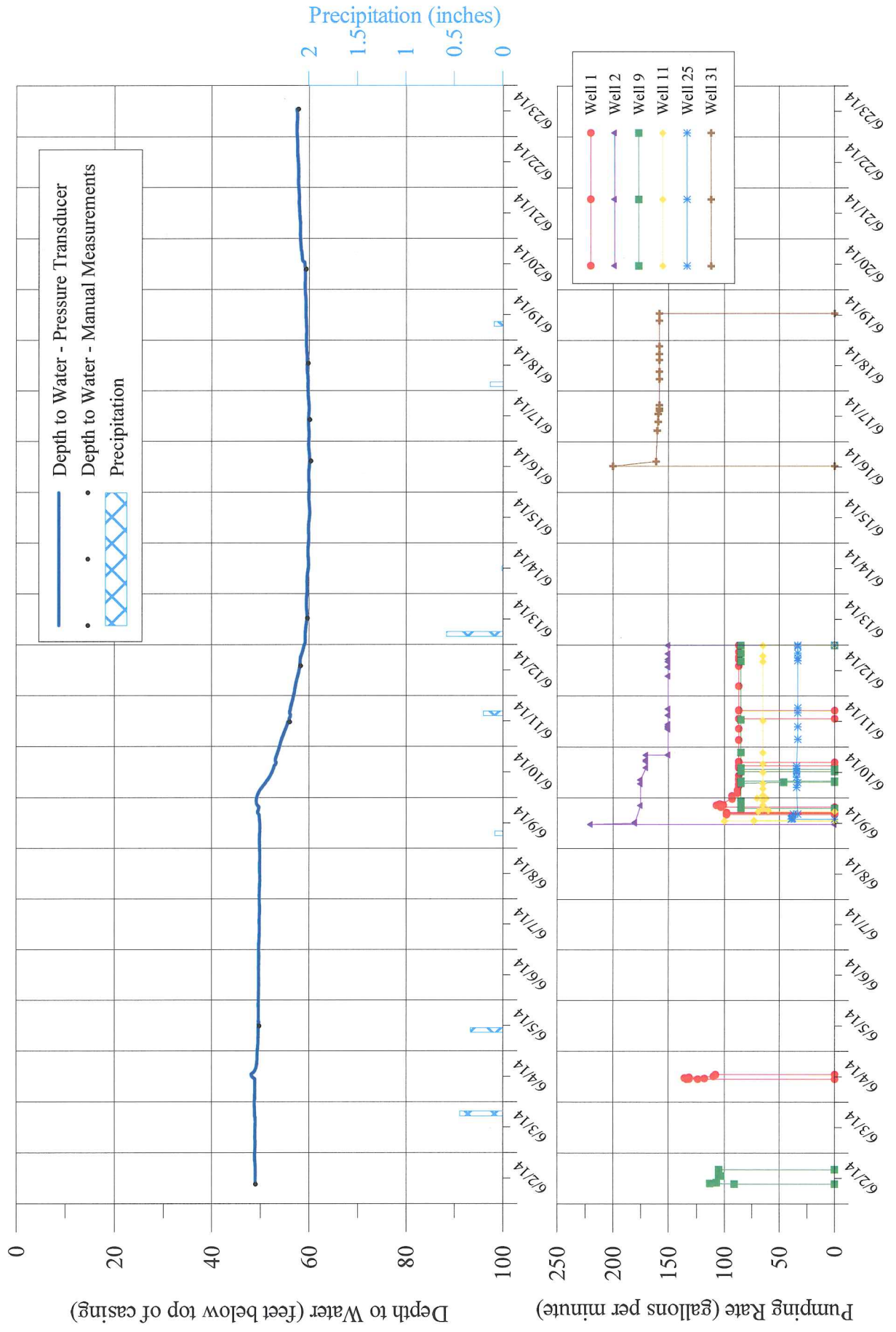
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 24 During Pumping Tests Conducted June 9 Through 19, 2014



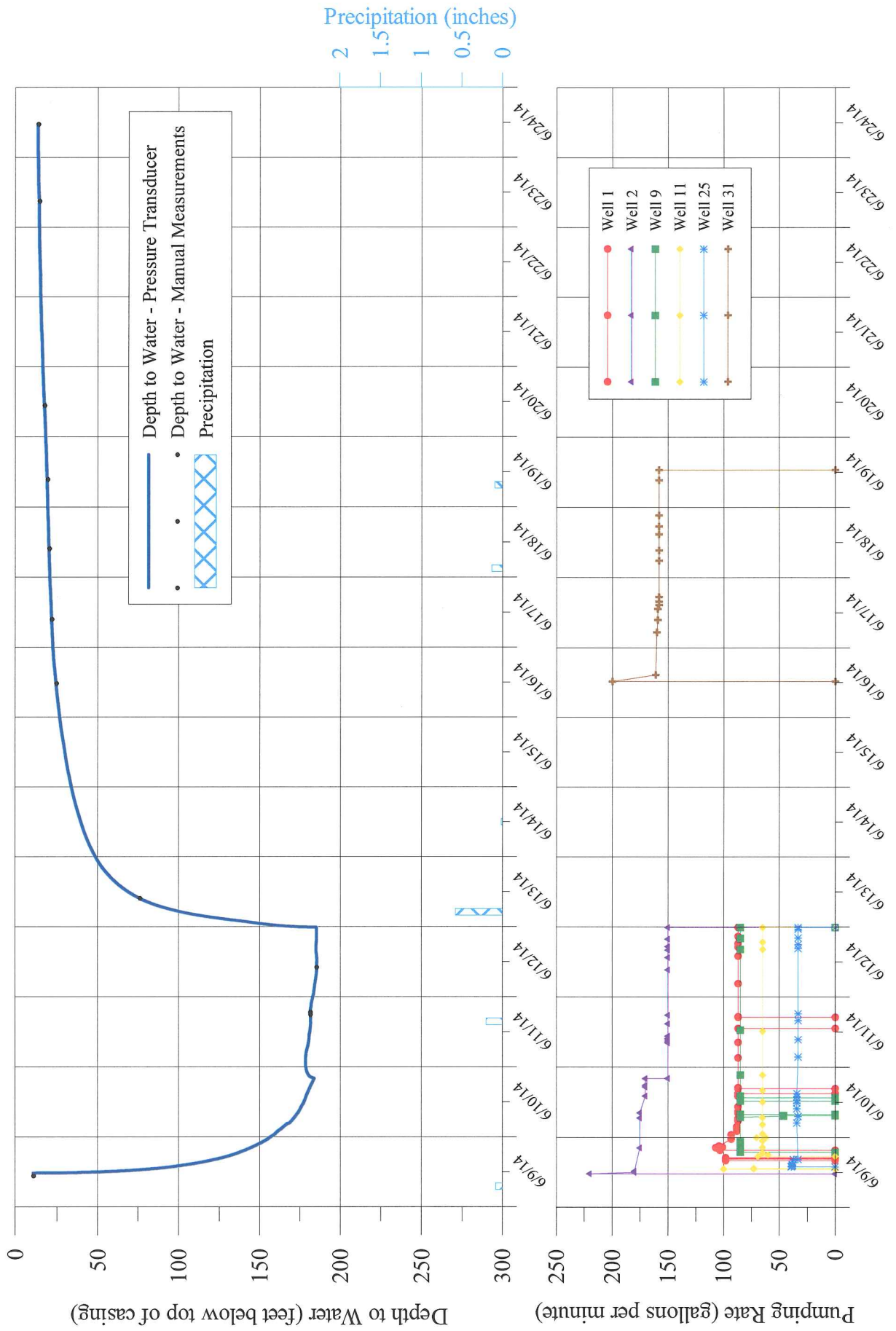
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well 26 During Pumping Tests Conducted June 9 Through 19, 2014



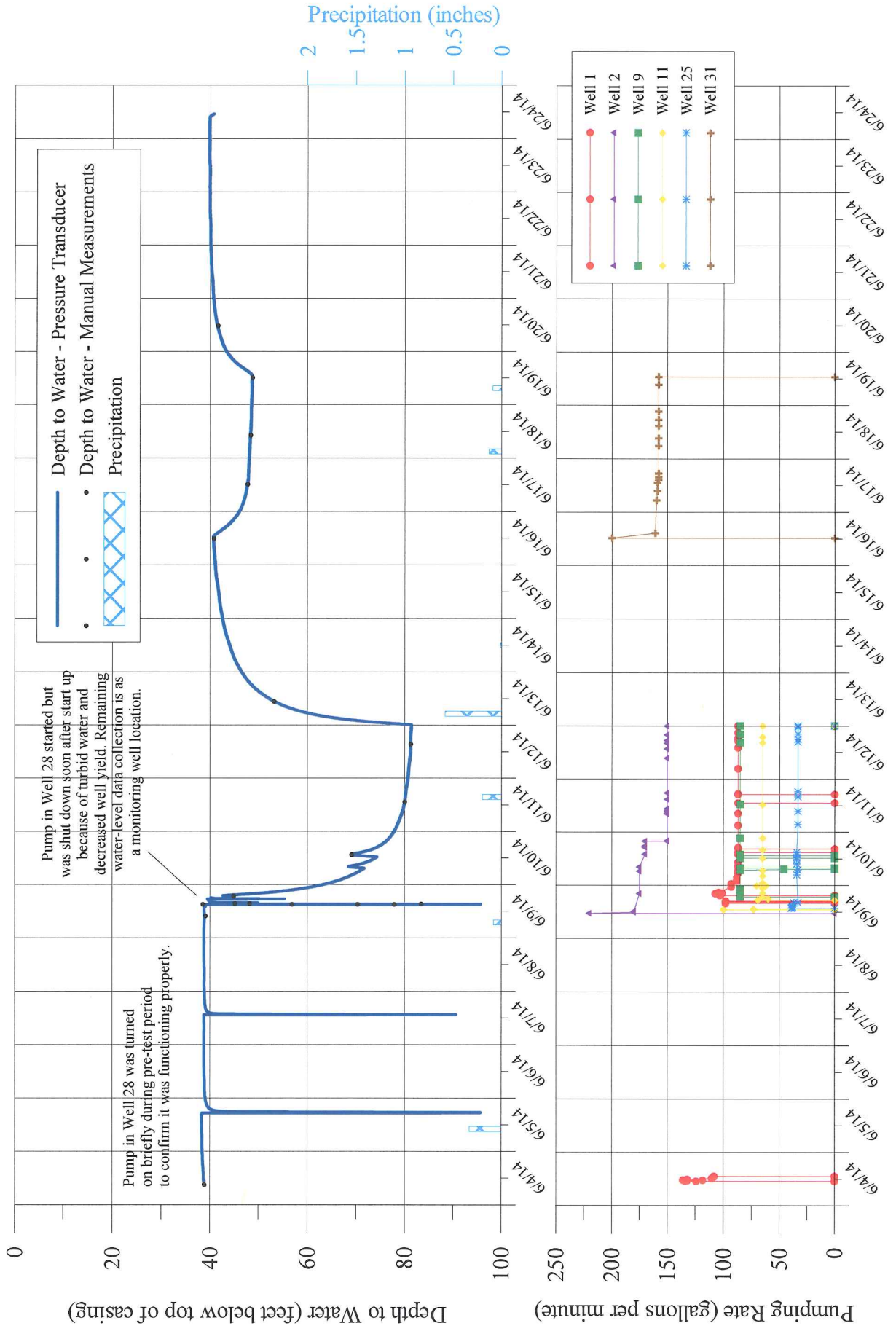
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Hydrograph of Water-Level Measurements Collected from Well 27 During Pumping Tests Conducted June 9 Through 19, 2014



SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

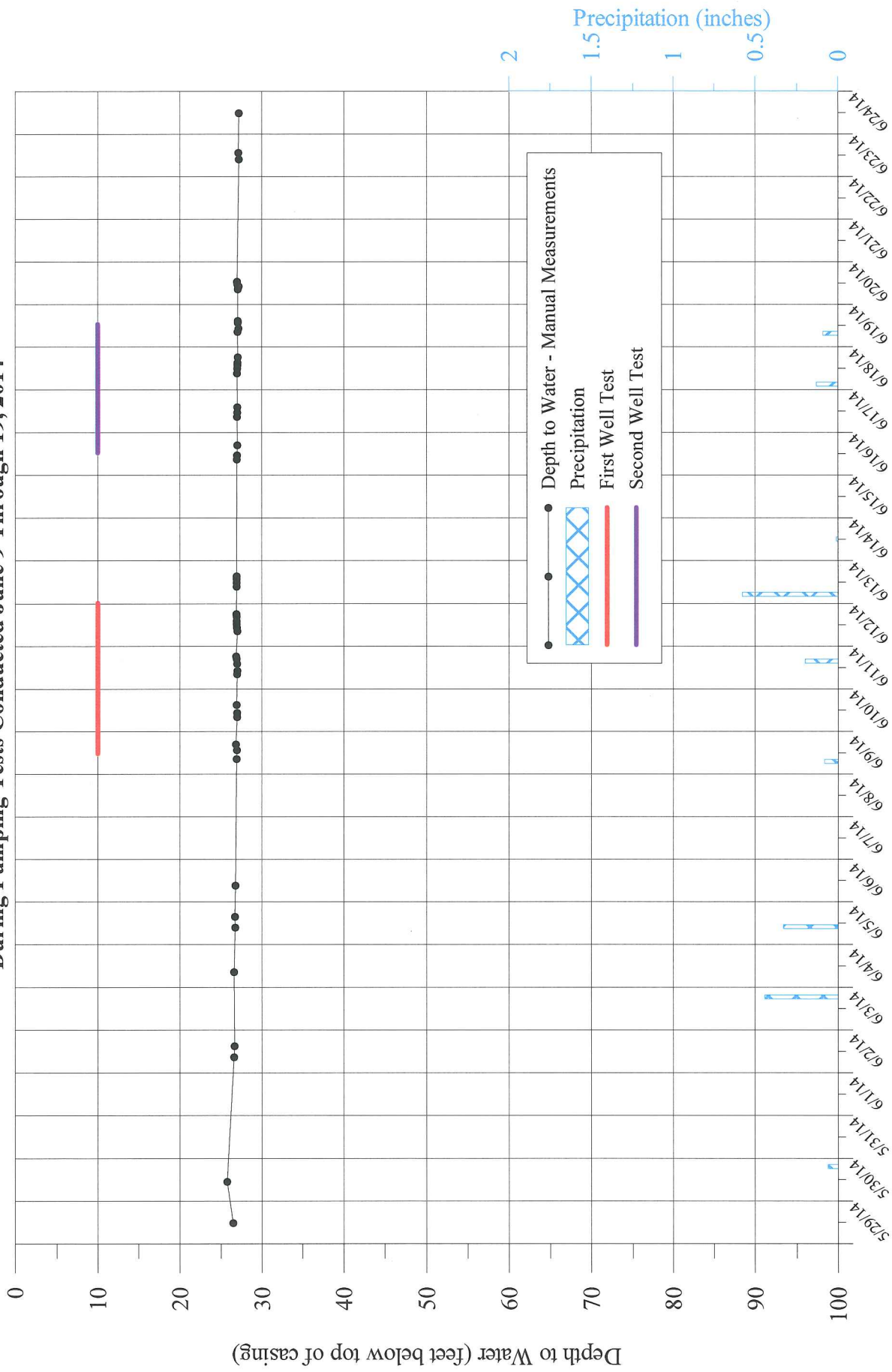
Hydrograph of Water-Level Measurements Collected from Well 28 During Pumping Tests Conducted June 9 Through 19, 2014



APPENDIX IV

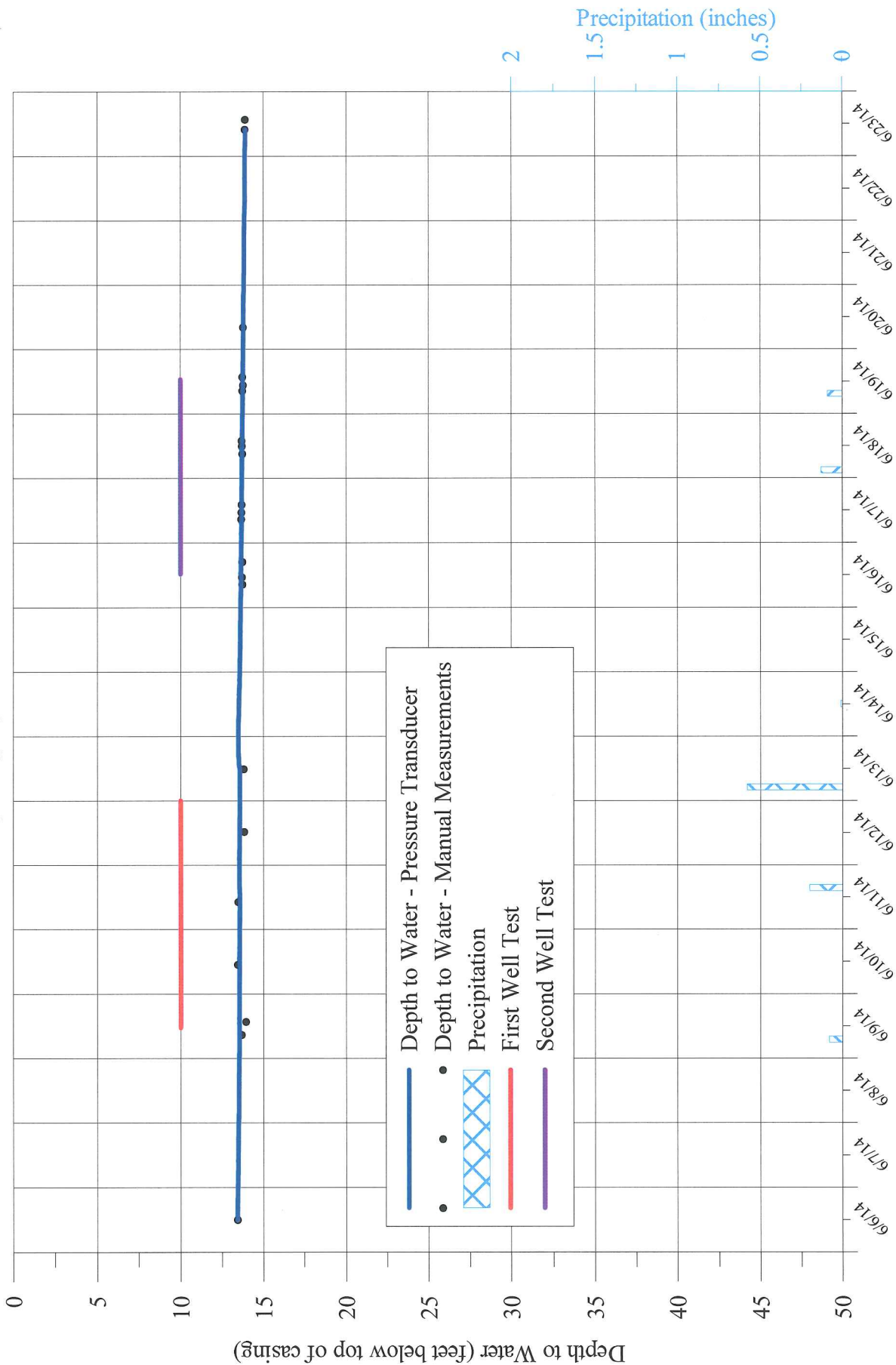
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well Located at 4623 Route 22
During Pumping Tests Conducted June 9 Through 19, 2014



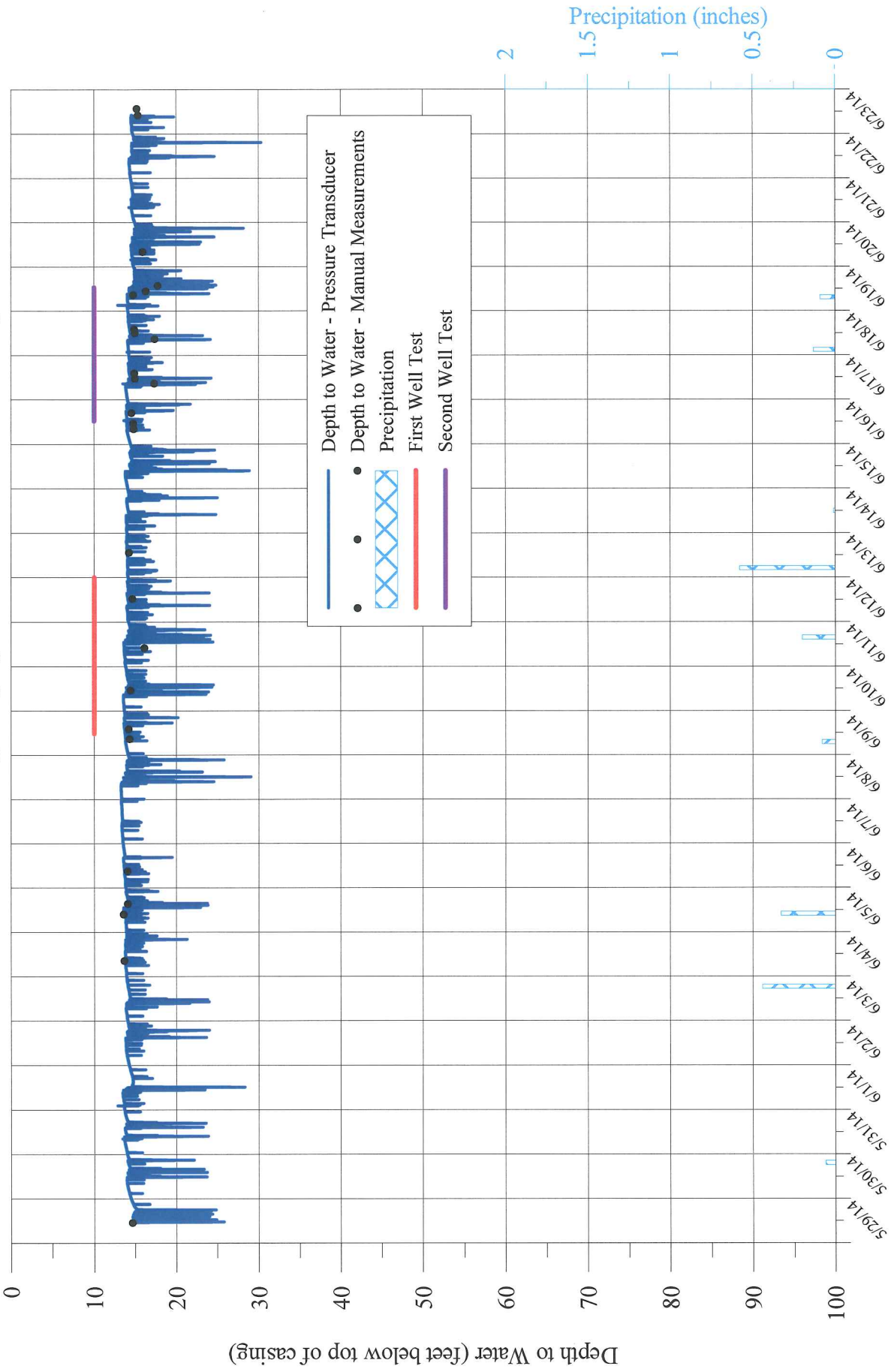
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Well Located at
4717 Route 22 During Pumping Tests Conducted June 9 Through 19, 2014



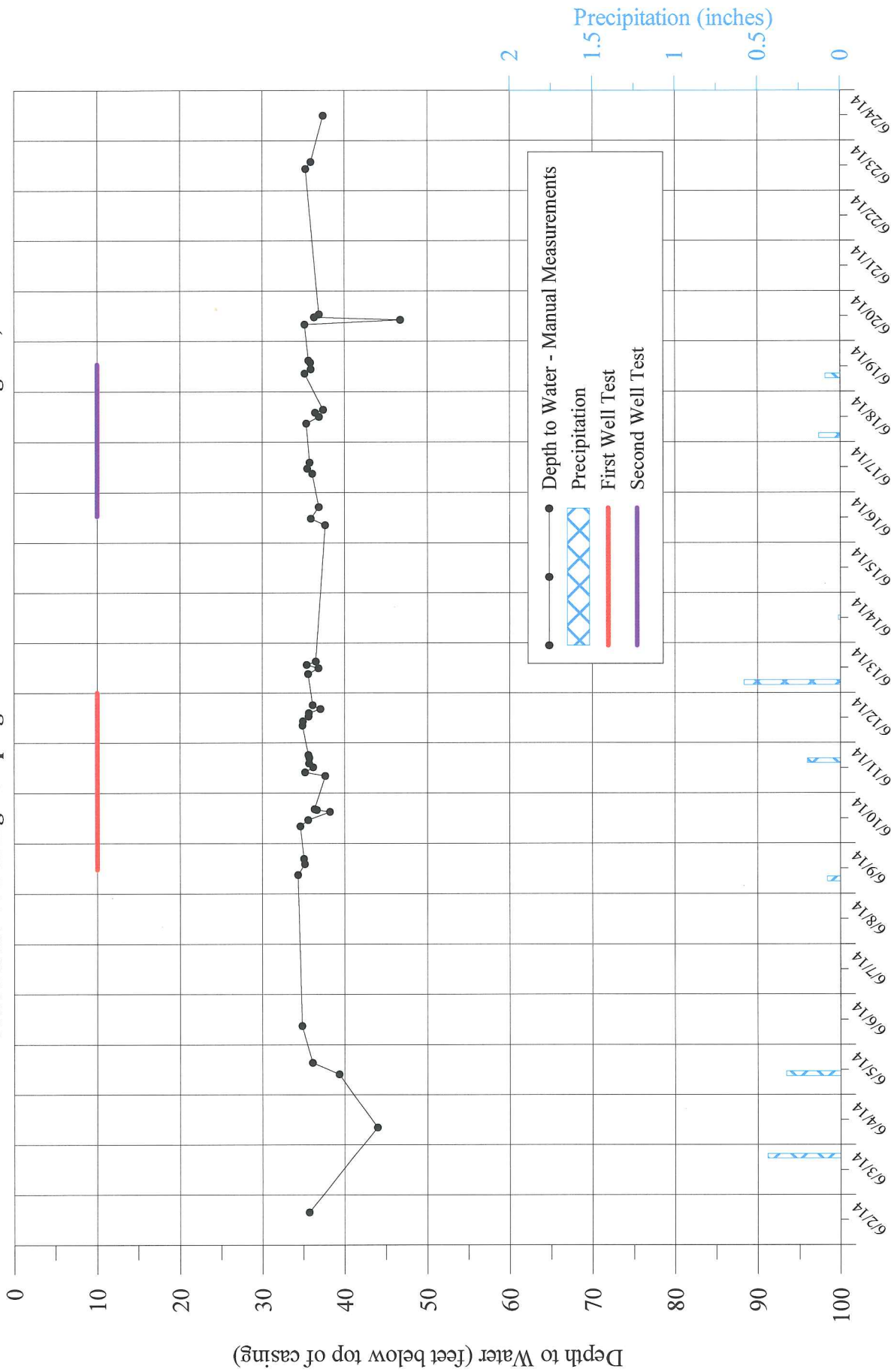
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**Hydrograph of Water-Level Measurements Collected from Well Located at
11 West Lake Amenia Road During Pumping Tests Conducted June 9 Through 19, 2014**



SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

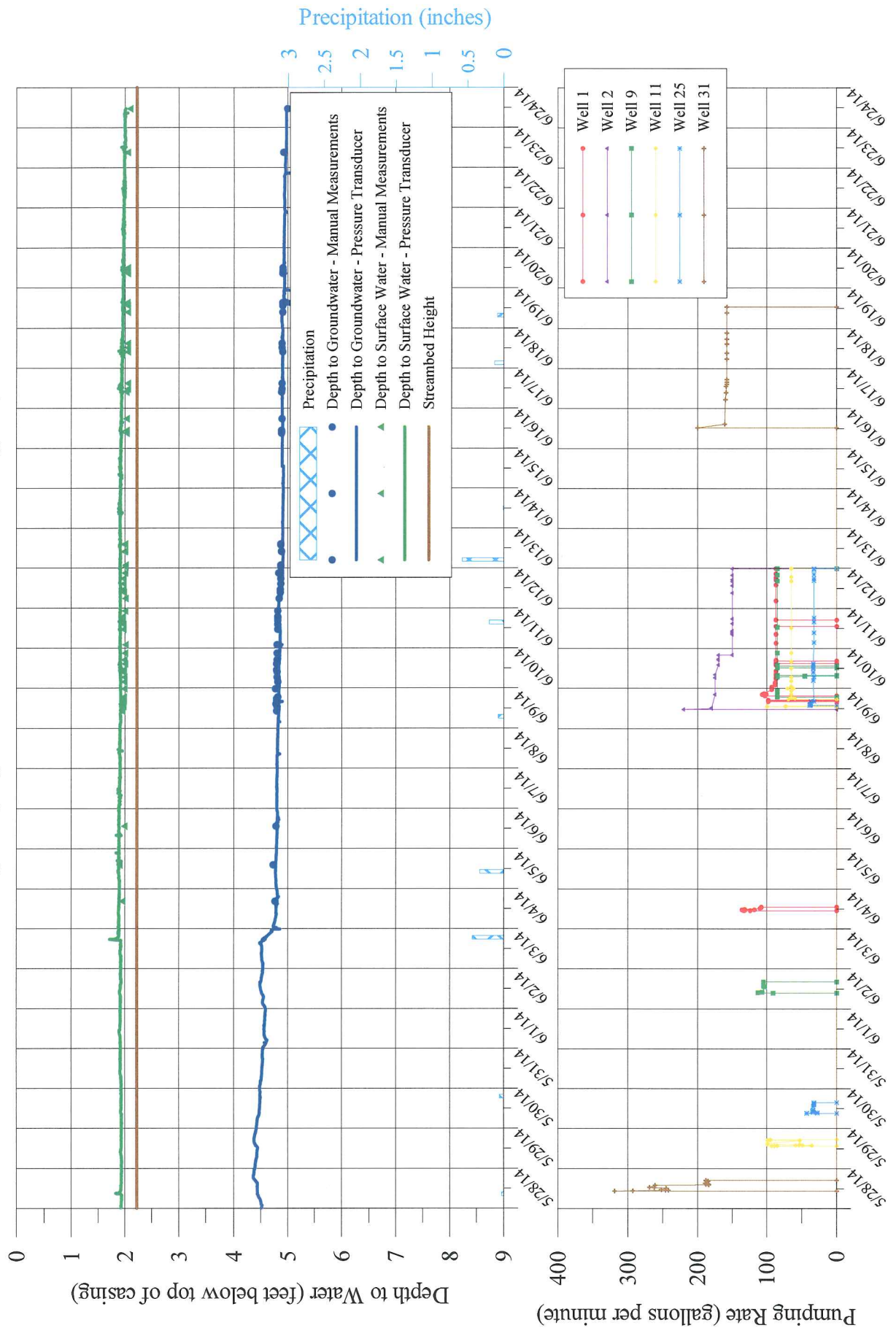
Hydrograph of Water-Level Measurements Collected from Well Located at
5020 Route 44 During Pumping Tests Conducted June 9 Through 19, 2014



APPENDIX V

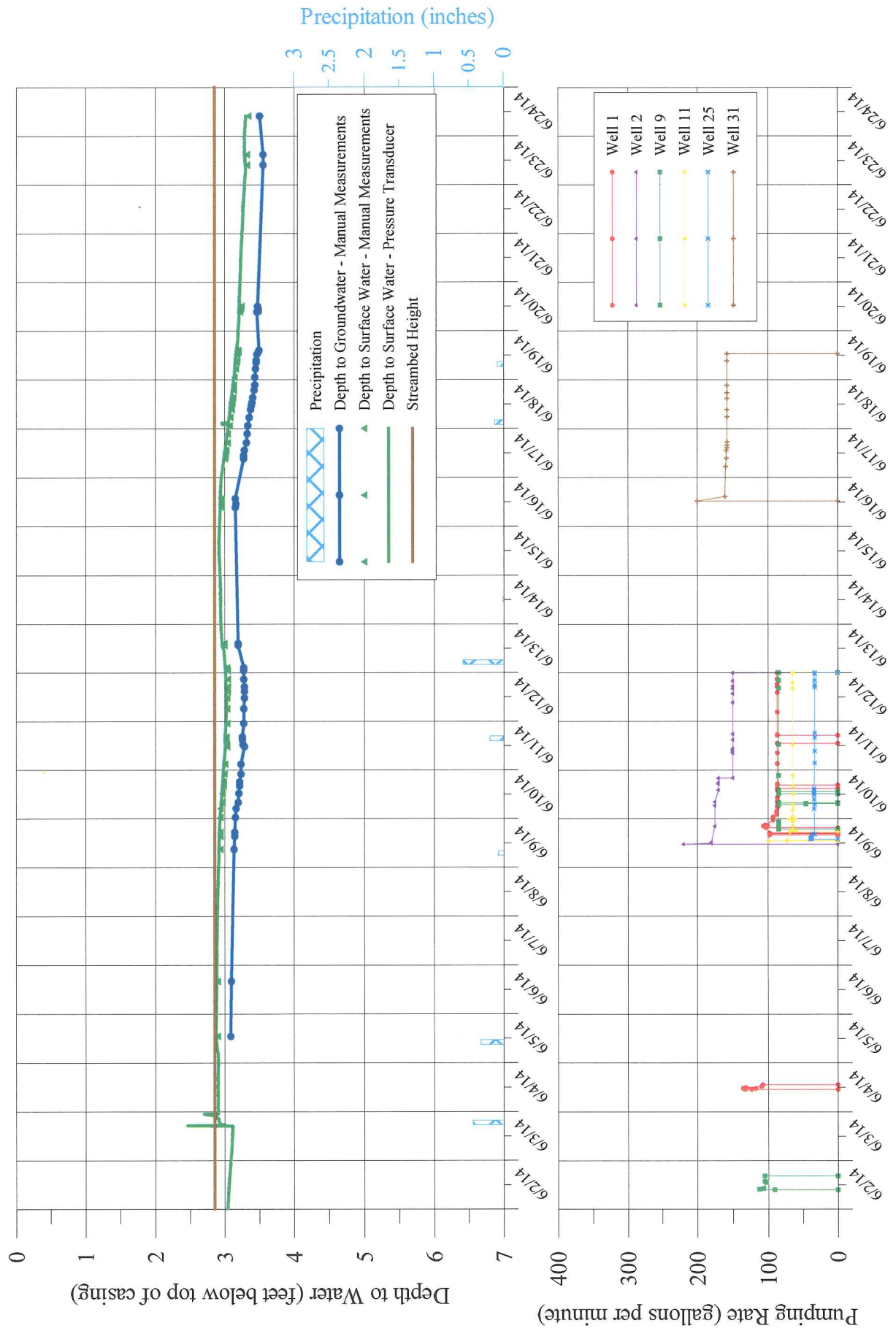
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Piezometer PZ-A During Pumping Tests Conducted June 9 Through 19, 2014



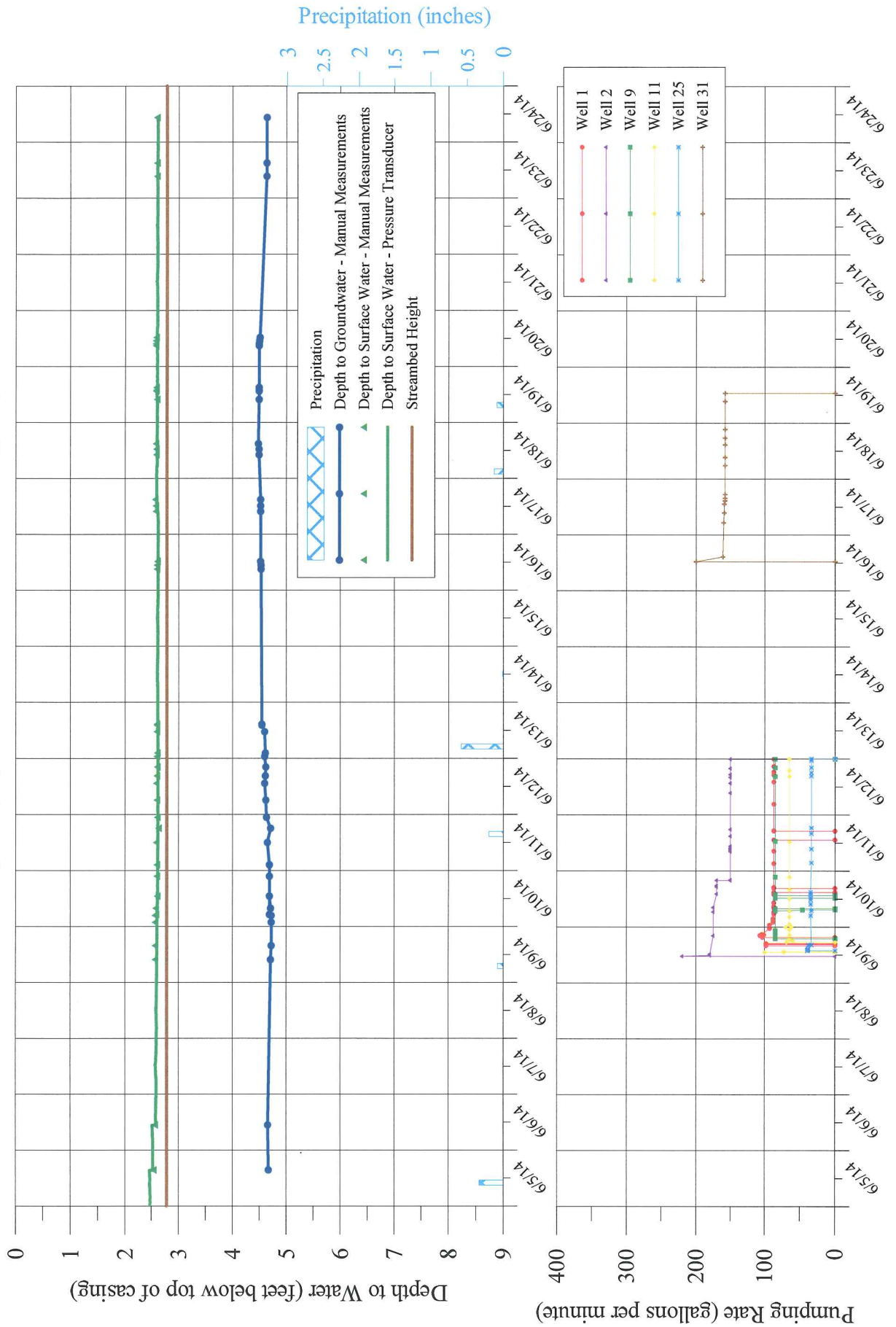
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Piezometer PZ-B During Pumping Tests Conducted June 9 Through 19, 2014



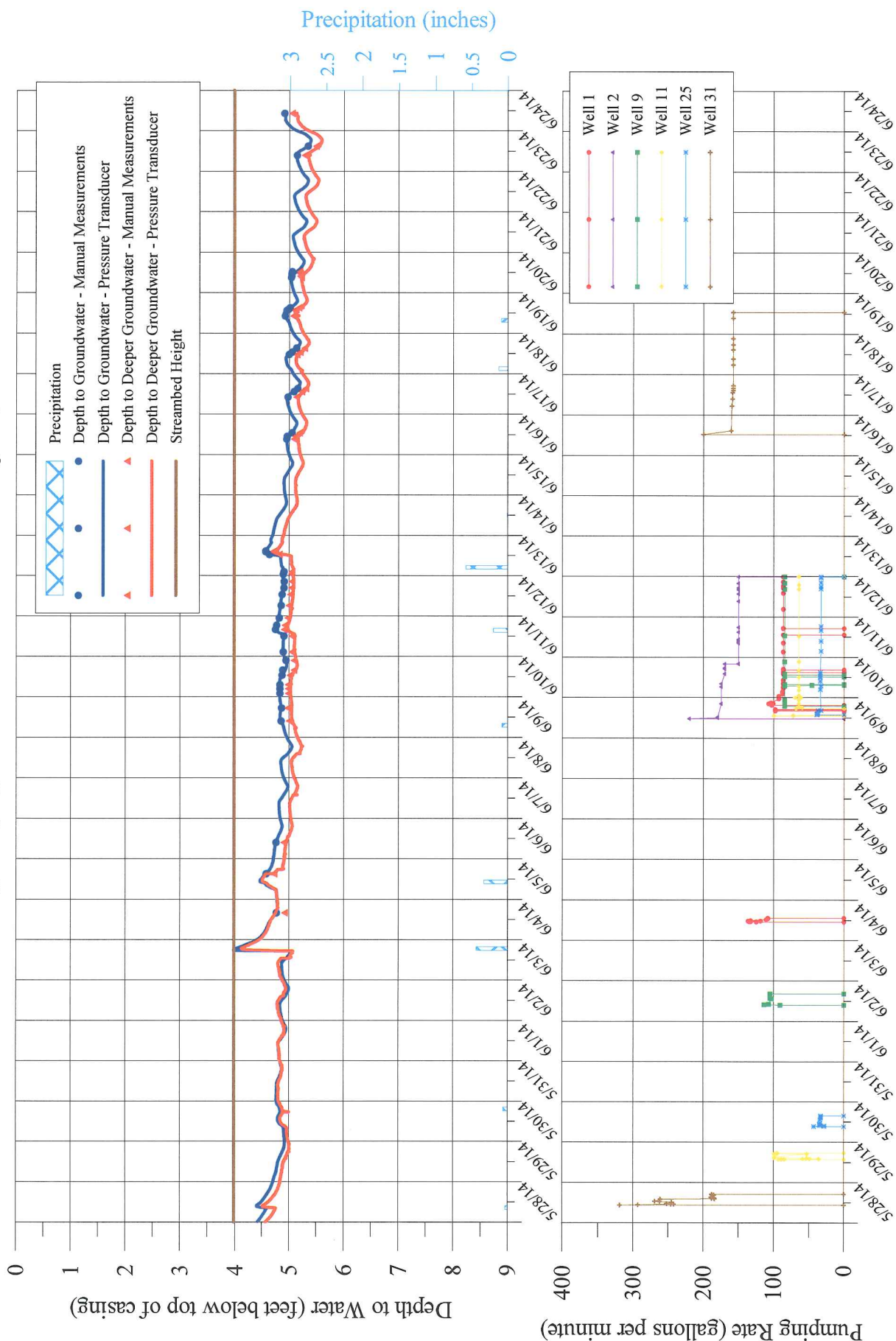
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Hydrograph of Water-Level Measurements Collected from Piezometer PZ-C During Pumping Tests Conducted June 9 Through 19, 2014



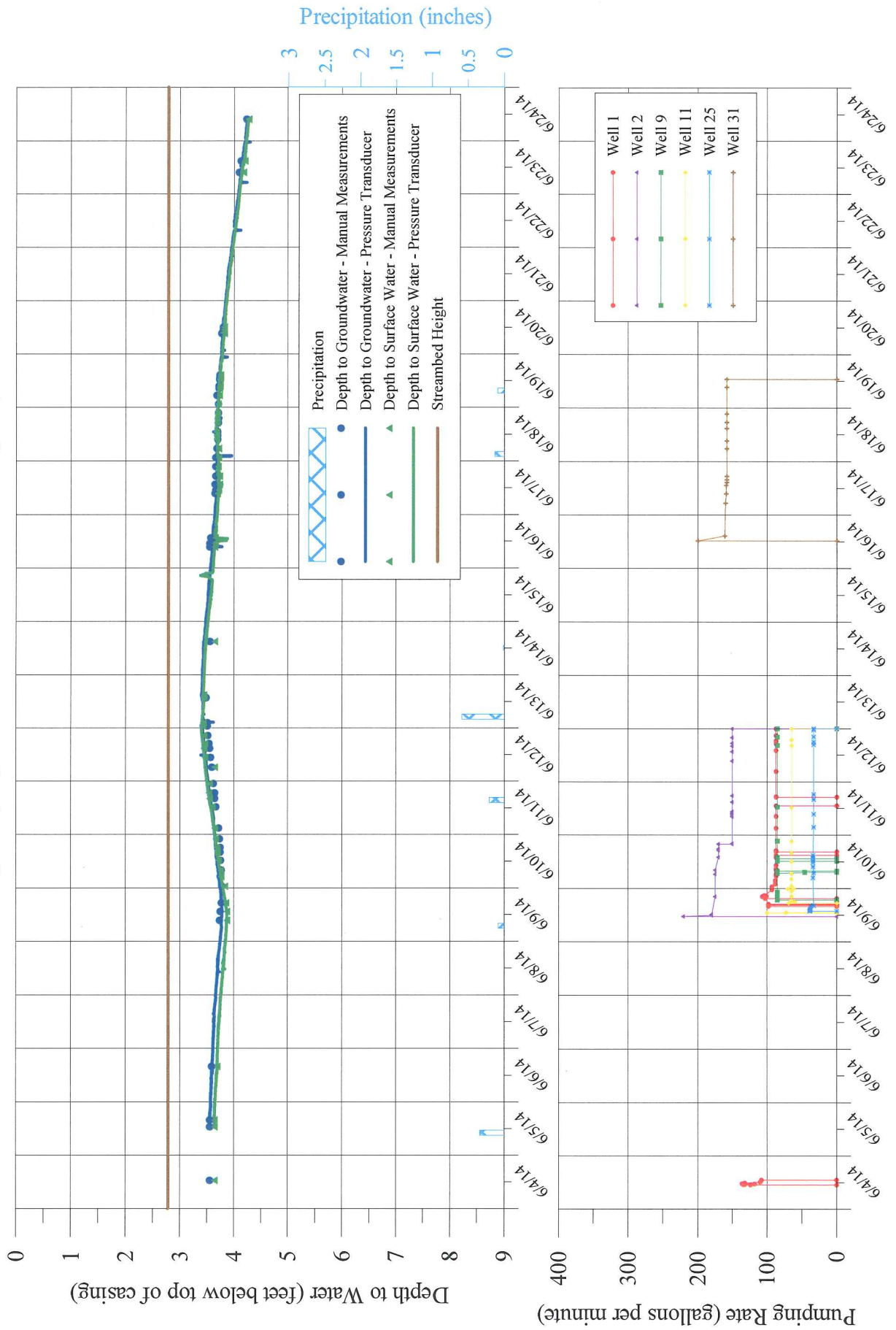
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Hydrograph of Water-Level Measurements Collected from Piezometers PZ-D1 and PZ-D2 During Pumping Tests Conducted June 9 Through 19, 2014



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Hydrograph of Water-Level Measurements Collected from Piezometer PZ-E During Pumping Tests Conducted June 9 Through 19, 2014



**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Manual Water-Level Measurements Collected from Piezometer Locations During 72-Hour Pumping
Tests Conducted June 9 Through 19, 2014

Date	Time	Depth to Groundwater ^{1/} (ft btoc)	Depth to Surface Water ^{2/} (ft btoc)	Gradient (Surface Water- Groundwater)	Gradient Direction
PZ-A					
5/21/2014	11:10	NM	1.85	NM	NM
5/23/2014	11:50	4.43	1.89	-2.54	downward
5/24/2014	10:00	4.48	1.97	-2.51	downward
5/27/2014	9:42	4.57	2.00	-2.57	downward
5/27/2014	11:35	4.57	2.00	-2.57	downward
6/4/2014	16:20	4.76	1.95	-2.81	downward
6/5/2014	14:05	4.73	1.90	-2.83	downward
6/6/2014	13:10	4.78	1.99	-2.79	downward
6/9/2014	10:12	4.79	1.95	-2.84	downward
6/9/2014	12:47	4.80	1.97	-2.83	downward
6/9/2014	14:22	4.78	1.94	-2.84	downward
6/9/2014	15:32	4.79	1.96	-2.83	downward
6/9/2014	16:26	4.79	1.98	-2.81	downward
6/9/2014	17:42	4.79	1.97	-2.82	downward
6/9/2014	18:38	4.81	1.98	-2.83	downward
6/9/2014	23:32	4.77	1.99	-2.78	downward
6/10/2014	3:46	4.81	1.99	-2.82	downward
6/10/2014	6:30	4.80	1.99	-2.81	downward
6/10/2014	7:04	4.80	1.96	-2.84	downward
6/10/2014	10:50	4.79	1.98	-2.81	downward
6/10/2014	14:28	4.79	2.00	-2.79	downward
6/10/2014	16:50	4.80	1.99	-2.81	downward
6/10/2014	21:00	4.80	2.00	-2.80	downward
6/11/2014	2:02	4.80	2.01	-2.79	downward
6/11/2014	11:15	4.81	1.97	-2.84	downward
6/11/2014	14:08	4.81	1.97	-2.84	downward
6/11/2014	16:35	4.81	1.96	-2.85	downward
6/11/2014	17:57	4.81	1.96	-2.85	downward
6/11/2014	18:46	4.81	1.96	-2.85	downward
6/11/2014	22:22	4.81	2.00	-2.81	downward
6/12/2014	5:45	4.84	2.01	-2.83	downward
6/12/2014	9:23	4.86	1.98	-2.88	downward
6/12/2014	11:10	4.86	1.97	-2.89	downward
6/12/2014	14:35	4.87	1.97	-2.90	downward
6/12/2014	17:34	4.87	1.97	-2.90	downward
6/12/2014	21:01	4.83	2.00	-2.83	downward
6/13/2014	0:35	4.87	2.01	-2.86	downward
6/13/2014	1:44	4.87	2.01	-2.86	downward
6/13/2014	9:47	4.88	1.99	-2.89	downward
6/13/2014	10:06	4.88	2.00	-2.88	downward
6/13/2014	13:53	4.87	2.00	-2.87	downward
6/13/2014	14:28	4.87	2.00	-2.87	downward
6/16/2014	8:56	4.88	2.03	-2.85	downward
6/16/2014	10:37	4.88	2.03	-2.85	downward
6/16/2014	17:34	4.89	2.03	-2.86	downward
6/17/2014	9:34	4.88	2.02	-2.86	downward
6/17/2014	11:25	4.89	2.05	-2.84	downward
6/17/2014	14:51	4.89	2.05	-2.84	downward
6/18/2014	9:38	4.90	2.05	-2.85	downward
6/18/2014	12:11	4.89	2.05	-2.84	downward
6/18/2014	14:40	4.89	2.05	-2.84	downward
6/19/2014	9:21	4.90	2.05	-2.85	downward

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Manual Water-Level Measurements Collected from Piezometer Locations During 72-Hour Pumping
Tests Conducted June 9 Through 19, 2014

Date	Time	Depth to Groundwater ^{1/} (ft btoc)	Depth to Surface Water ^{2/} (ft btoc)	Gradient (Surface Water- Groundwater)	Gradient Direction
PZ-A (continued)					
6/19/2014	13:18	4.90	2.05	-2.85	downward
6/19/2014	14:09	4.90	2.04	-2.86	downward
6/19/2014	15:10	4.90	2.04	-2.86	downward
6/20/2014	8:39	4.90	2.05	-2.85	downward
6/20/2014	9:15	4.91	2.04	-2.87	downward
6/20/2014	10:34	4.91	2.04	-2.87	downward
6/20/2014	11:52	4.91	2.05	-2.86	downward
6/23/2014	9:05	4.92	2.05	-2.87	downward
6/24/2014	11:15	4.99	2.09	-2.90	downward
PZ-B					
5/21/2014	12:10	NM	3.35	NM	NM
5/27/2014	13:25	3.80	NM	NM	NM
5/28/2014	14:44	NM	3.40	NM	NM
6/5/2014	12:52	3.09	2.90	-0.19	downward
6/6/2014	15:50	3.10	2.90	-0.20	downward
6/9/2014	8:55	3.14	2.94	-0.20	downward
6/9/2014	15:20	3.15	2.94	-0.21	downward
6/9/2014	17:15	3.15	2.94	-0.21	downward
6/10/2014	0:34	3.16	2.94	-0.22	downward
6/10/2014	5:00	3.17	2.94	-0.23	downward
6/10/2014	8:00	3.20	2.97	-0.23	downward
6/10/2014	12:25	3.21	2.97	-0.24	downward
6/10/2014	16:06	3.22	2.99	-0.23	downward
6/10/2014	18:07	3.22	2.99	-0.23	downward
6/10/2014	22:02	3.24	3.00	-0.24	downward
6/11/2014	2:50	3.24	3.01	-0.23	downward
6/11/2014	11:31	3.29	3.04	-0.25	downward
6/11/2014	12:30	3.27	3.04	-0.23	downward
6/11/2014	14:52	3.26	3.03	-0.23	downward
6/11/2014	16:17	3.26	3.03	-0.23	downward
6/11/2014	22:57	3.28	3.04	-0.24	downward
6/12/2014	6:17	3.28	3.04	-0.24	downward
6/12/2014	11:31	3.29	3.04	-0.25	downward
6/12/2014	14:45	3.29	3.05	-0.24	downward
6/12/2014	16:56	3.29	3.05	-0.24	downward
6/12/2014	20:39	3.28	3.05	-0.23	downward
6/13/2014	0:56	3.28	3.05	-0.23	downward
6/13/2014	2:24	3.28	3.04	-0.24	downward
6/13/2014	13:25	3.20	3.00	-0.20	downward
6/13/2014	14:20	3.20	3.00	-0.20	downward
6/16/2014	9:18	3.16	2.96	-0.20	downward
6/16/2014	10:54	3.17	2.96	-0.21	downward
6/16/2014	13:31	3.16	2.96	-0.20	downward
6/17/2014	9:15	3.28	3.01	-0.27	downward
6/17/2014	10:40	3.28	3.02	-0.26	downward
6/17/2014	13:20	3.29	3.03	-0.26	downward
6/17/2014	17:01	3.32	3.05	-0.27	downward
6/17/2014	21:22	3.33	3.05	-0.28	downward
6/18/2014	1:22	3.34	3.08	-0.26	downward
6/18/2014	5:27	3.36	3.09	-0.27	downward
6/18/2014	9:21	3.38	3.11	-0.27	downward
6/18/2014	11:20	3.39	3.11	-0.28	downward

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Manual Water-Level Measurements Collected from Piezometer Locations During 72-Hour Pumping
Tests Conducted June 9 Through 19, 2014

Date	Time	Depth to Groundwater ^{1/} (ft btoc)	Depth to Surface Water ^{2/} (ft btoc)	Gradient (Surface Water- Groundwater)	Gradient Direction
PZ-B (continued)					
6/18/2014	12:45	3.40	3.12	-0.28	downward
6/18/2014	15:08	3.41	3.13	-0.28	downward
6/18/2014	18:51	3.43	3.14	-0.29	downward
6/18/2014	21:22	3.44	3.14	-0.30	downward
6/19/2014	1:15	3.44	3.15	-0.29	downward
6/19/2014	5:19	3.45	3.17	-0.28	downward
6/19/2014	8:30	3.46	3.18	-0.28	downward
6/19/2014	9:27	3.46	3.19	-0.27	downward
6/19/2014	12:25	3.47	3.19	-0.28	downward
6/19/2014	13:37	3.49	3.21	-0.28	downward
6/19/2014	14:24	3.50	3.20	-0.30	downward
6/20/2014	9:18	3.47	3.23	-0.24	downward
6/20/2014	9:27	3.49	3.23	-0.26	downward
6/20/2014	10:44	3.49	3.24	-0.25	downward
6/20/2014	12:07	3.48	3.25	-0.23	downward
6/23/2014	9:35	3.56	3.33	-0.23	downward
6/23/2014	14:45	3.56	3.33	-0.23	downward
6/24/2014	9:42	3.51	3.35	-0.16	downward
PZ-C					
5/23/2014	13:00	4.49	2.51	-1.98	downward
6/5/2014	15:25	4.67	2.54	-2.13	downward
6/6/2014	10:46	4.66	2.57	-2.09	downward
6/9/2014	9:41	4.71	2.57	-2.14	downward
6/9/2014	15:43	4.72	2.57	-2.15	downward
6/10/2014	1:42	4.72	2.57	-2.15	downward
6/10/2014	4:34	4.72	2.57	-2.15	downward
6/10/2014	7:40	4.71	2.58	-2.13	downward
6/10/2014	12:55	4.69	2.61	-2.08	downward
6/10/2014	5:00	4.69	2.59	-2.10	downward
6/10/2014	21:24	4.69	2.60	-2.09	downward
6/11/2014	2:20	4.69	2.60	-2.09	downward
6/11/2014	11:46	4.65	2.59	-2.06	downward
6/11/2014	17:57	4.71	2.63	-2.08	downward
6/11/2014	22:35	4.63	2.61	-2.02	downward
6/12/2014	6:00	4.62	2.60	-2.02	downward
6/12/2014	13:12	4.60	2.59	-2.01	downward
6/12/2014	16:27	4.61	2.60	-2.01	downward
6/12/2014	20:10	4.62	2.61	-2.01	downward
6/13/2014	0:41	4.60	2.60	-2.00	downward
6/13/2014	2:08	4.61	2.61	-2.00	downward
6/13/2014	11:20	4.60	2.60	-2.00	downward
6/13/2014	14:05	4.55	2.60	-1.95	downward
6/13/2014	14:32	4.55	2.60	-1.95	downward
6/16/2014	9:04	4.53	2.60	-1.93	downward
6/16/2014	10:42	4.53	2.60	-1.93	downward
6/16/2014	12:20	4.52	2.61	-1.91	downward
6/17/2014	9:51	4.52	2.58	-1.94	downward
6/17/2014	12:16	4.52	2.58	-1.94	downward
6/17/2014	14:57	4.52	2.57	-1.95	downward
6/18/2014	10:10	4.49	2.59	-1.90	downward
6/18/2014	12:30	4.49	2.59	-1.90	downward
6/18/2014	14:50	4.48	2.58	-1.90	downward

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Manual Water-Level Measurements Collected from Piezometer Locations During 72-Hour Pumping
Tests Conducted June 9 Through 19, 2014

Date	Time	Depth to Groundwater ^{1/} (ft btoc)	Depth to Surface Water ^{2/} (ft btoc)	Gradient (Surface Water- Groundwater)	Gradient Direction
PZ-C (continued)					
6/19/2014	9:52	4.49	2.60	-1.89	downward
6/19/2014	13:23	4.49	2.58	-1.91	downward
6/19/2014	13:50	4.49	2.59	-1.90	downward
6/19/2014	14:51	4.49	2.59	-1.90	downward
6/20/2014	8:49	4.49	2.58	-1.91	downward
6/20/2014	9:37	4.49	2.58	-1.91	downward
6/20/2014	10:56	4.50	2.58	-1.92	downward
6/20/2014	12:18	4.51	2.59	-1.92	downward
6/23/2014	9:18	4.63	2.60	-2.03	downward
6/23/2014	15:00	4.63	2.60	-2.03	downward
6/24/2014	10:34	4.64	2.60	-2.04	downward
PZ-D1 and D2					
5/23/2014	14:10	4.96	4.80	-0.16	downward
6/4/2014	15:40	4.92	4.77	-0.15	downward
6/5/2014	14:47	4.73	4.58	-0.15	downward
6/6/2014	9:20	4.90	4.76	-0.14	downward
6/9/2014	9:30	5.00	4.85	-0.15	downward
6/9/2014	17:17	4.97	4.86	-0.11	downward
6/10/2014	1:50	4.98	4.83	-0.15	downward
6/10/2014	4:43	4.98	4.83	-0.15	downward
6/10/2014	7:05	4.98	4.83	-0.15	downward
6/10/2014	12:40	5.01	4.87	-0.14	downward
6/10/2014	15:47	5.09	4.88	-0.21	downward
6/10/2014	21:34	5.09	4.94	-0.15	downward
6/11/2014	2:30	5.05	4.89	-0.16	downward
6/11/2014	11:56	5.05	4.90	-0.15	downward
6/11/2014	15:50	4.91	4.75	-0.16	downward
6/11/2014	18:22	4.92	4.77	-0.15	downward
6/11/2014	22:41	4.97	4.82	-0.15	downward
6/12/2014	6:05	4.99	4.85	-0.14	downward
6/12/2014	12:45	5.02	4.87	-0.15	downward
6/12/2014	16:34	5.04	4.90	-0.14	downward
6/12/2014	20:20	5.05	4.91	-0.14	downward
6/13/2014	0:47	5.04	4.89	-0.15	downward
6/13/2014	2:14	5.05	4.90	-0.15	downward
6/13/2014	12:33	4.82	4.64	-0.18	downward
6/13/2014	14:08	4.71	4.57	-0.14	downward
6/13/2014	14:37	4.72	4.57	-0.15	downward
6/16/2014	9:09	5.09	4.95	-0.14	downward
6/16/2014	10:47	5.11	4.96	-0.15	downward
6/16/2014	12:54	5.19	5.05	-0.14	downward
6/17/2014	10:03	5.13	4.97	-0.16	downward
6/17/2014	13:16	5.23	5.08	-0.15	downward
6/17/2014	15:01	5.30	5.15	-0.15	downward
6/18/2014	11:13	5.14	4.99	-0.15	downward
6/18/2014	12:40	5.20	5.05	-0.15	downward
6/18/2014	14:57	5.28	5.13	-0.15	downward
6/19/2014	10:03	5.07	4.92	-0.15	downward
6/19/2014	13:26	5.10	4.95	-0.15	downward
6/19/2014	13:58	5.12	4.98	-0.14	downward
6/19/2014	14:57	5.17	5.01	-0.16	downward
6/20/2014	8:54	5.22	5.03	-0.19	downward

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Manual Water-Level Measurements Collected from Piezometer Locations During 72-Hour Pumping
Tests Conducted June 9 Through 19, 2014

Date	Time	Depth to Groundwater ^{1/} (ft btoc)	Depth to Surface Water ^{2/} (ft btoc)	Gradient (Surface Water- Groundwater)	Gradient Direction
PZ-D1 and D2 (continued)					
6/20/2014	9:44	5.20	5.04	-0.16	downward
6/20/2014	11:02	5.20	5.04	-0.16	downward
6/20/2014	12:26	5.19	5.05	-0.14	downward
6/23/2014	9:24	5.28	5.14	-0.14	downward
6/23/2014	14:52	5.49	5.34	-0.15	downward
6/24/2014	10:20	5.05	4.91	-0.14	downward
PZ-E					
6/4/2014	12:35	3.56	3.65	0.09	upward
6/14/2014	14:54	3.56	3.65	0.09	upward
6/5/2014	12:41	3.56	3.65	0.09	upward
6/5/2014	15:42	3.56	3.65	0.09	upward
6/6/2014	15:45	3.59	3.70	0.11	upward
6/9/2014	9:21	3.74	3.88	0.14	upward
6/9/2014	13:20	3.75	3.88	0.13	upward
6/9/2014	17:11	3.77	3.86	0.09	upward
6/10/2014	0:38	3.78	3.84	0.06	upward
6/10/2014	5:09	3.75	3.77	0.02	upward
6/10/2014	7:53	3.77	3.76	-0.01	downward
6/10/2014	12:20	3.76	3.72	-0.04	downward
6/10/2014	16:02	3.75	3.70	-0.05	downward
6/10/2014	18:11	3.75	3.69	-0.06	downward
6/10/2014	22:00	3.74	3.67	-0.07	downward
6/11/2014	2:47	3.72	3.65	-0.07	downward
6/11/2014	12:25	3.67	3.60	-0.07	downward
6/11/2014	16:13	3.65	3.55	-0.10	downward
6/11/2014	18:42	3.65	3.54	-0.11	downward
6/11/2014	22:54	3.62	3.55	-0.07	downward
6/12/2014	6:14	3.59	3.65	0.06	upward
6/12/2014	10:40	3.57	3.47	-0.10	downward
6/12/2014	14:43	3.55	3.45	-0.10	downward
6/12/2014	16:58	3.54	3.47	-0.07	downward
6/12/2014	20:34	3.52	3.45	-0.07	downward
6/13/2014	0:52	3.51	3.43	-0.08	downward
6/13/2014	2:19	3.51	3.44	-0.07	downward
6/13/2014	13:30	3.49	3.45	-0.04	downward
6/13/2014	14:13	3.45	3.45	0.00	neutral
6/13/2014	14:43	3.44	3.45	0.01	upward
6/16/2014	9:14	3.55	3.65	0.10	upward
6/16/2014	10:51	3.55	3.66	0.11	upward
6/16/2014	13:21	3.57	3.66	0.09	upward
6/17/2014	9:20	3.65	3.70	0.05	upward
6/17/2014	10:45	3.66	3.72	0.06	upward
6/17/2014	13:25	3.65	3.74	0.09	upward
6/17/2014	17:08	3.66	3.74	0.08	upward
6/17/2014	21:25	3.66	3.71	0.05	upward
6/18/2014	1:25	3.66	3.72	0.06	upward
6/18/2014	5:30	3.68	3.72	0.04	upward
6/18/2014	9:32	3.70	3.68	-0.02	downward
6/18/2014	11:25	3.70	3.68	-0.02	downward
6/18/2014	12:55	3.70	3.68	-0.02	downward
6/18/2014	17:01	3.71	3.69	-0.02	downward
6/18/2014	18:56	3.71	3.69	-0.02	downward

**SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

Summary of Manual Water-Level Measurements Collected from Piezometer Locations During 72-Hour Pumping
Tests Conducted June 9 Through 19, 2014

Date	Time	Depth to Groundwater ^{1/} (ft btoc)	Depth to Surface Water ^{2/} (ft btoc)	Gradient (Surface Water- Groundwater)	Gradient Direction
PZ-E (continued)					
6/18/2014	21:28	3.71	3.70	-0.01	downward
6/19/2014	1:24	3.71	3.71	0.00	neutral
6/19/2014	5:21	3.68	3.73	0.05	upward
6/19/2014	8:30	3.72	3.74	0.02	upward
6/19/2014	9:35	3.72	3.75	0.03	upward
6/19/2014	12:28	3.73	3.75	0.02	upward
6/19/2014	13:40	3.74	3.76	0.02	upward
6/19/2014	14:29	3.74	3.76	0.02	upward
6/20/2014	9:09	3.77	3.83	0.06	upward
6/20/2014	9:25	3.79	3.80	0.01	upward
6/20/2014	10:48	3.80	3.82	0.02	upward
6/20/2014	12:00	3.80	3.83	0.03	upward
6/23/2014	9:33	4.10	4.18	0.08	upward
6/23/2014	14:44	4.13	4.21	0.08	upward
6/24/2014	9:29	4.24	4.28	0.04	upward

ft btoc feet below top of casing

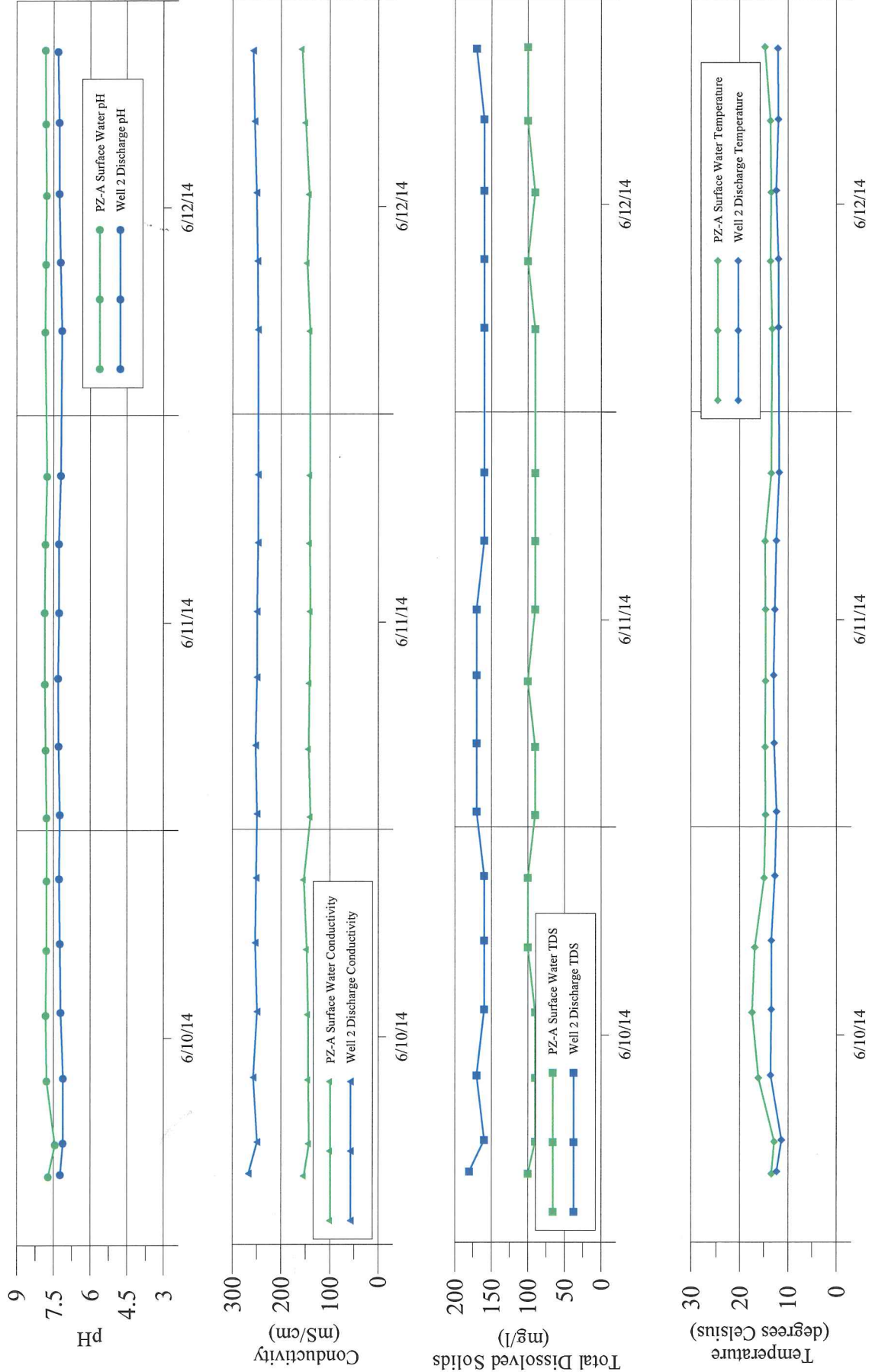
- 1/ For PZ-D, the depth to groundwater column represents the depth to groundwater in PZ-D2, which is the piezometer with the deeper screen setting
- 2/ For PZ-D, the depth to surface water column represents the depth to groundwater in PZ-D1, which is the piezometer with the shallower screen setting

K:\Jobs\Silo Ridge\72-Hour Pumping Test\Reporting\Water Level tables\PZ.docx

APPENDIX VI

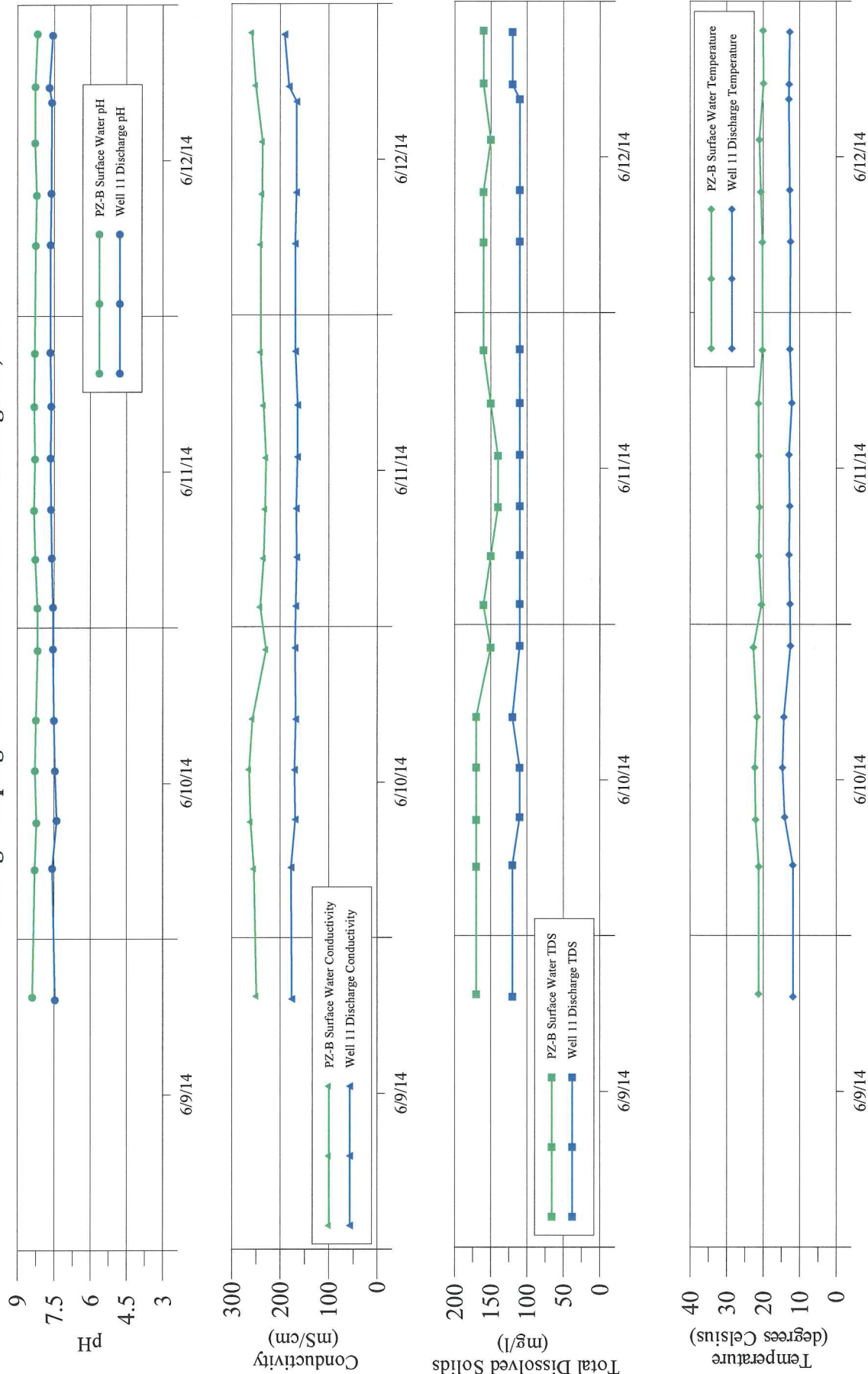
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Graph of Physical Parameter Measurements Collected from Well 2 Discharge and Surface Water at PZ-A During Pumping Tests Conducted June 9 Through 19, 2014



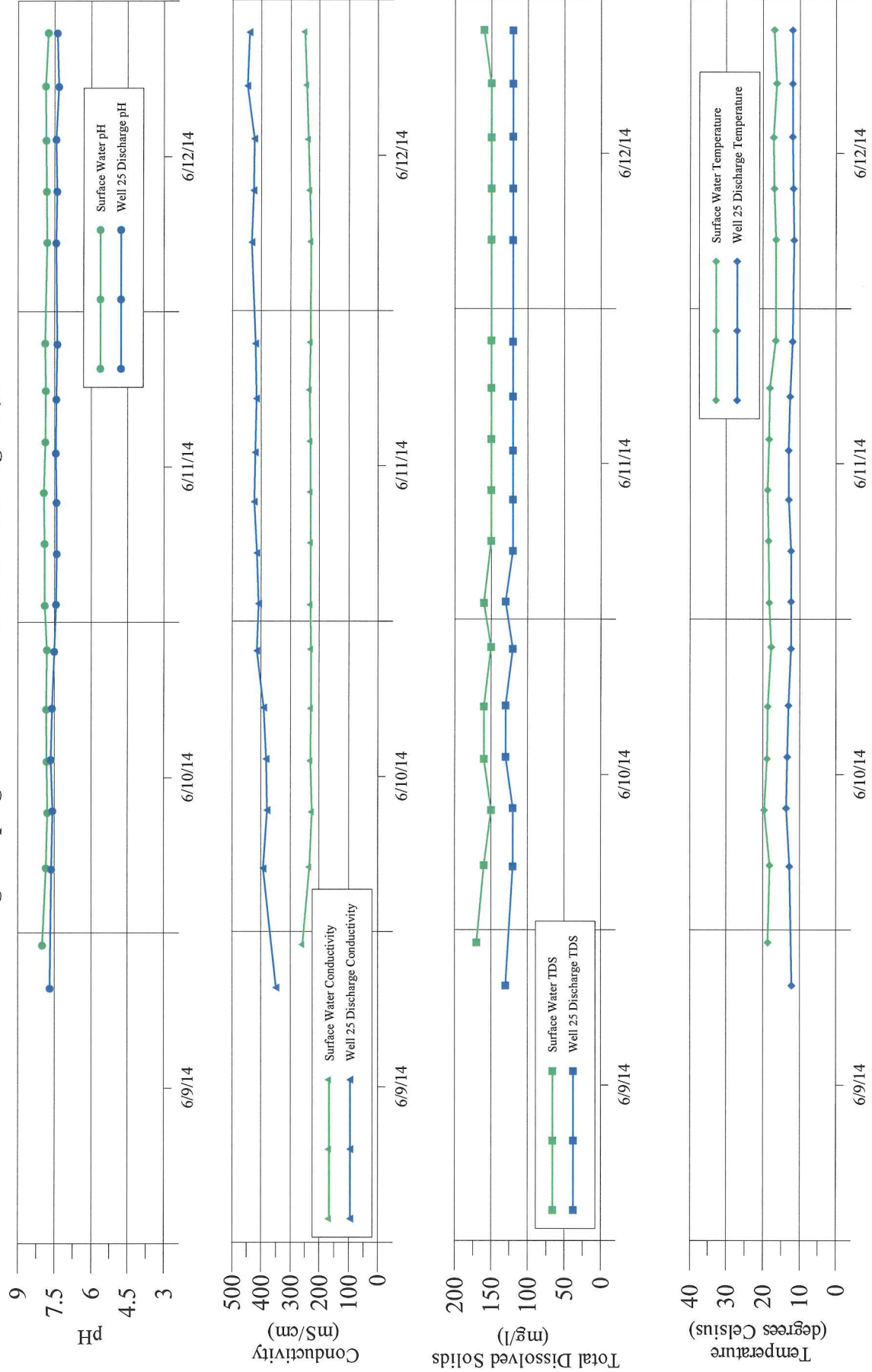
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Graph of Physical Parameter Measurements Collected from Well 11 Discharge and Surface Water Near PZ-B During Pumping Tests Conducted June 9 Through 19, 2014



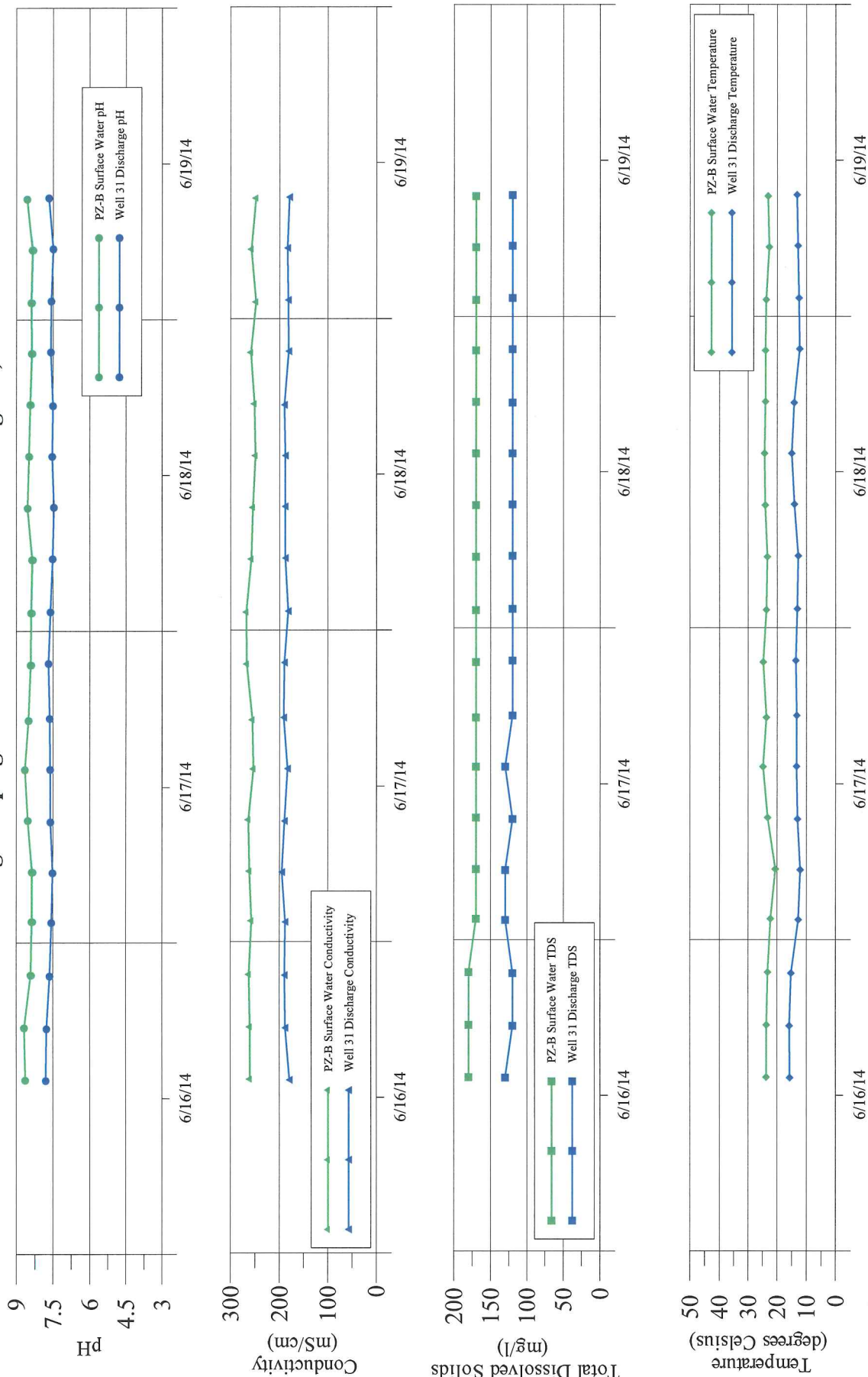
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Graph of Physical Parameter Measurements Collected from Well 25 Discharge and Nearby Surface Water During Pumping Tests Conducted June 9 Through 19, 2014



SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

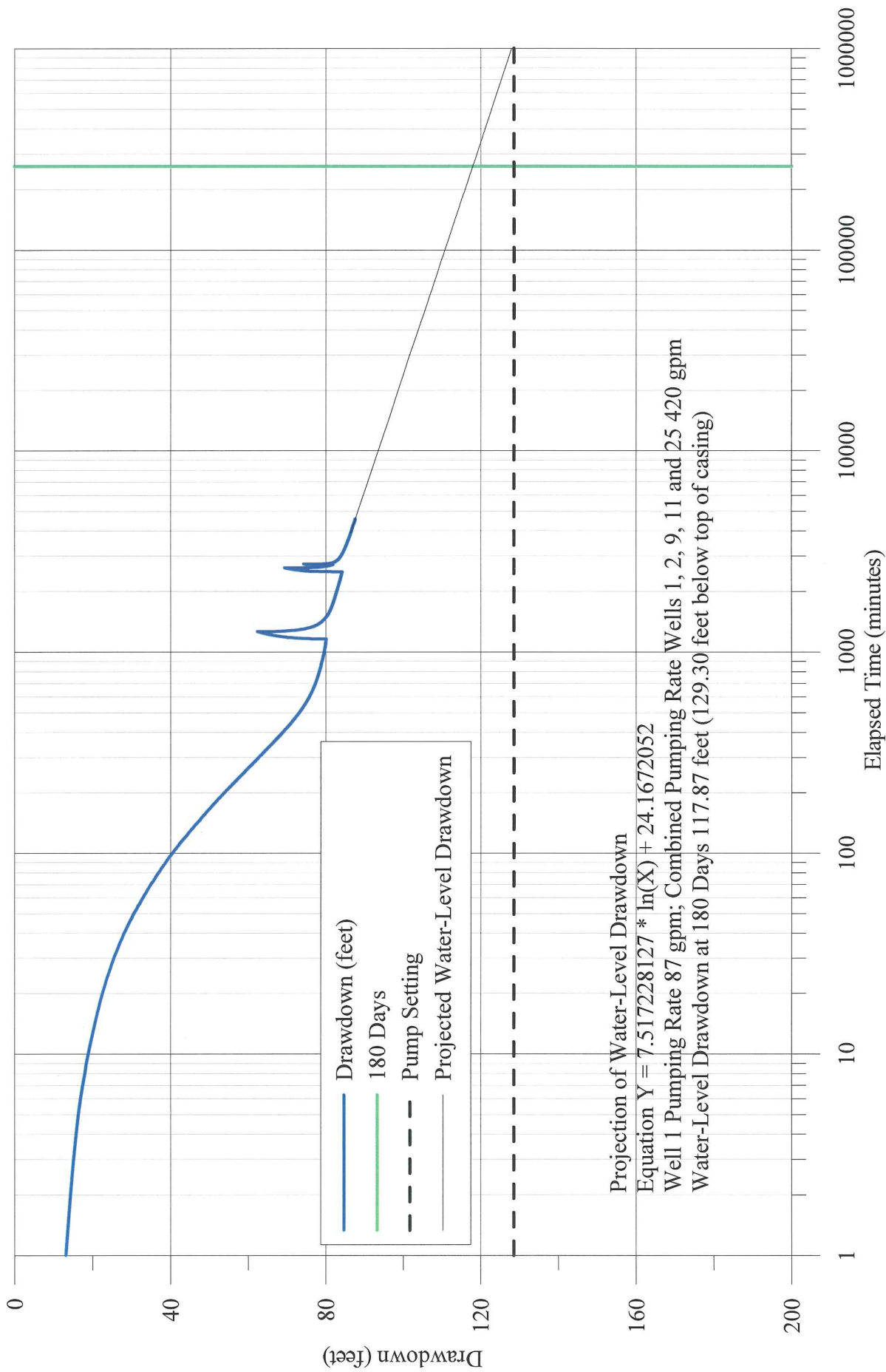
**Graph of Physical Parameter Measurements Collected from Well 31 Discharge and Surface Water Near PZ-B
During Pumping Tests Conducted June 9 Through 19, 2014**



APPENDIX VII

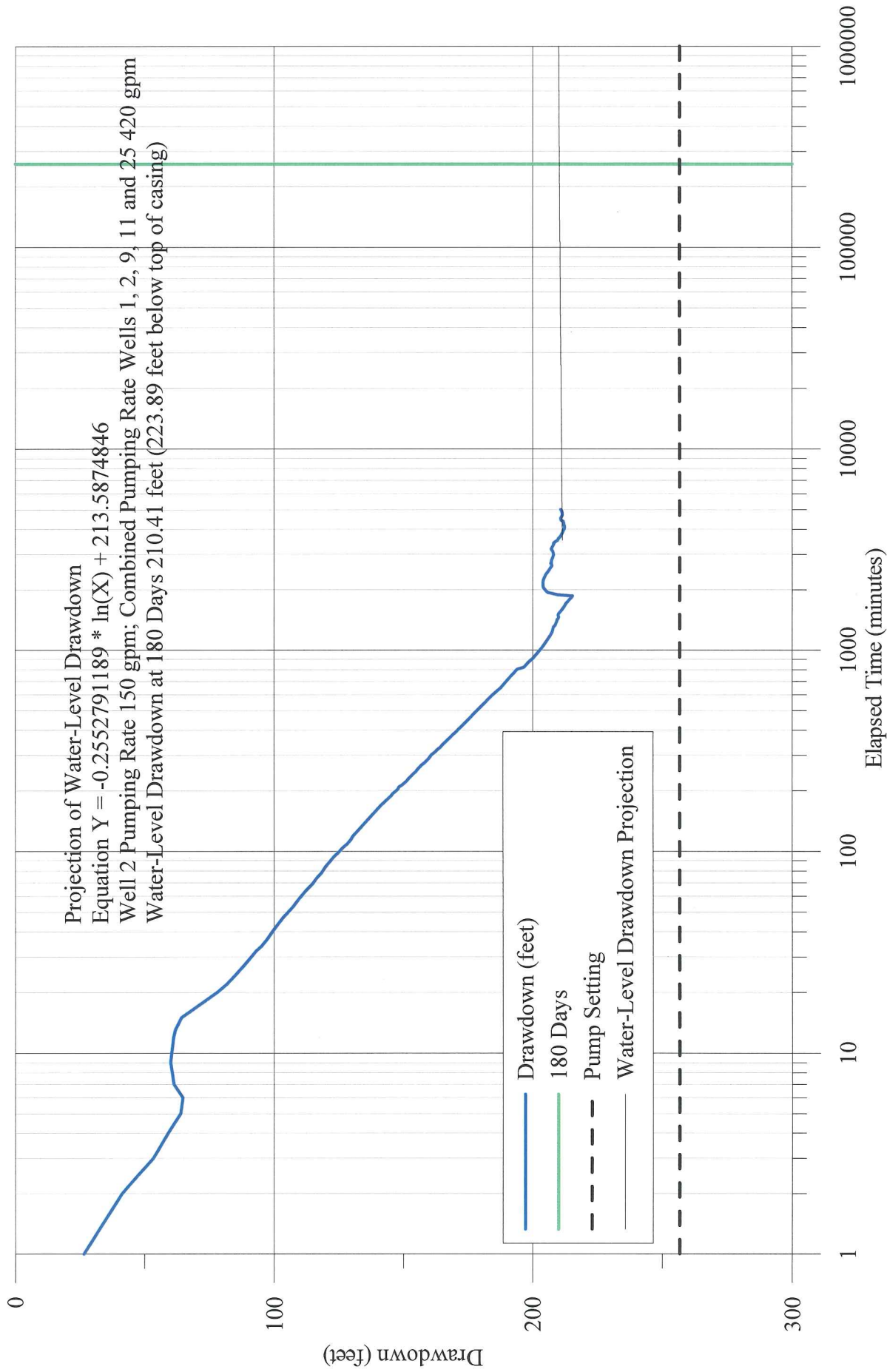
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

180-Day Water-Level Drawdown Projection for Well 1 from Data Collected During Pumping Test Conducted June 9 Through June 19, 2014



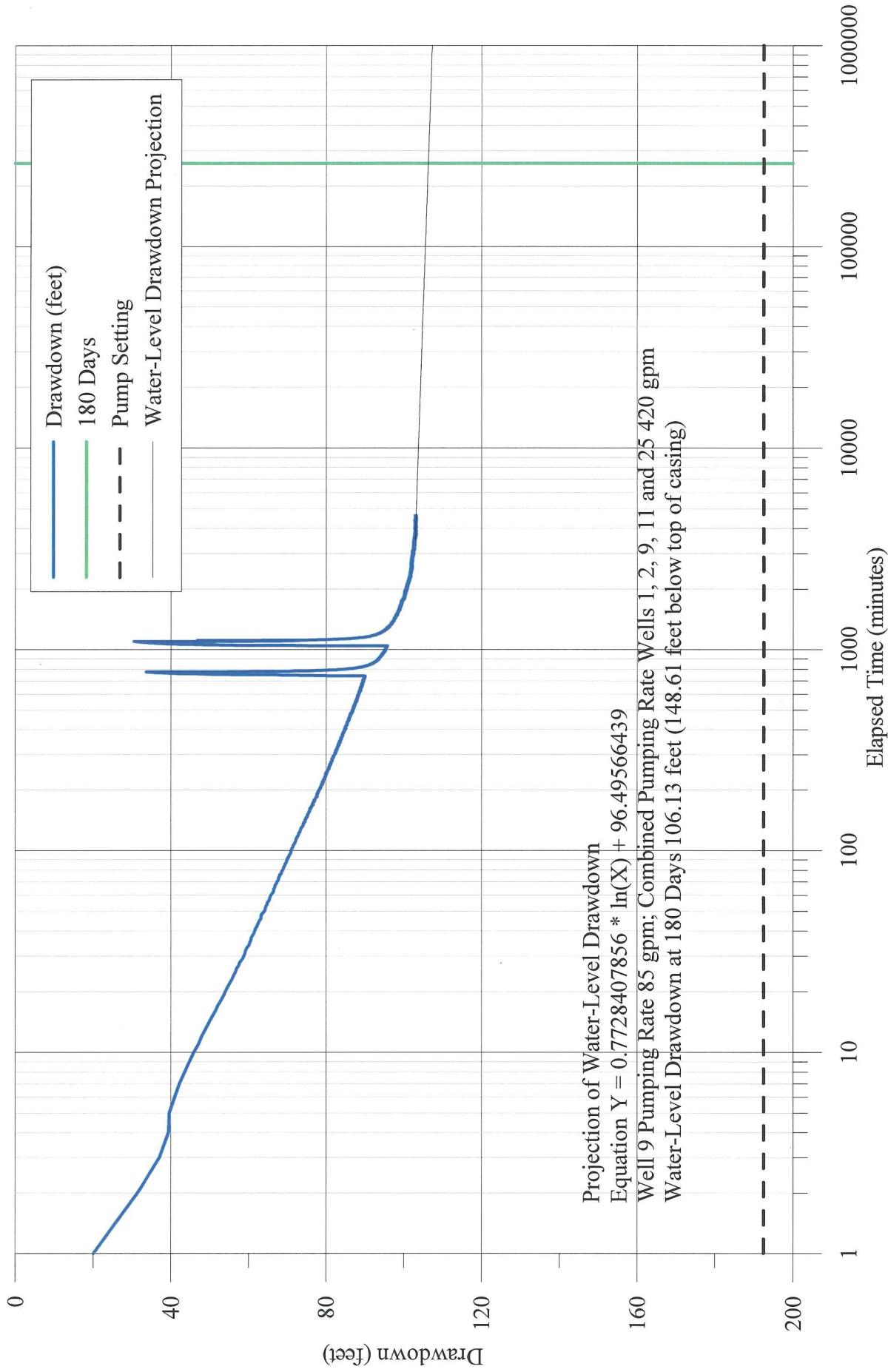
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

180-Day Water-Level Drawdown Projection for Well 2 from Data Collected During Pumping Test Conducted June 9 Through June 19, 2014



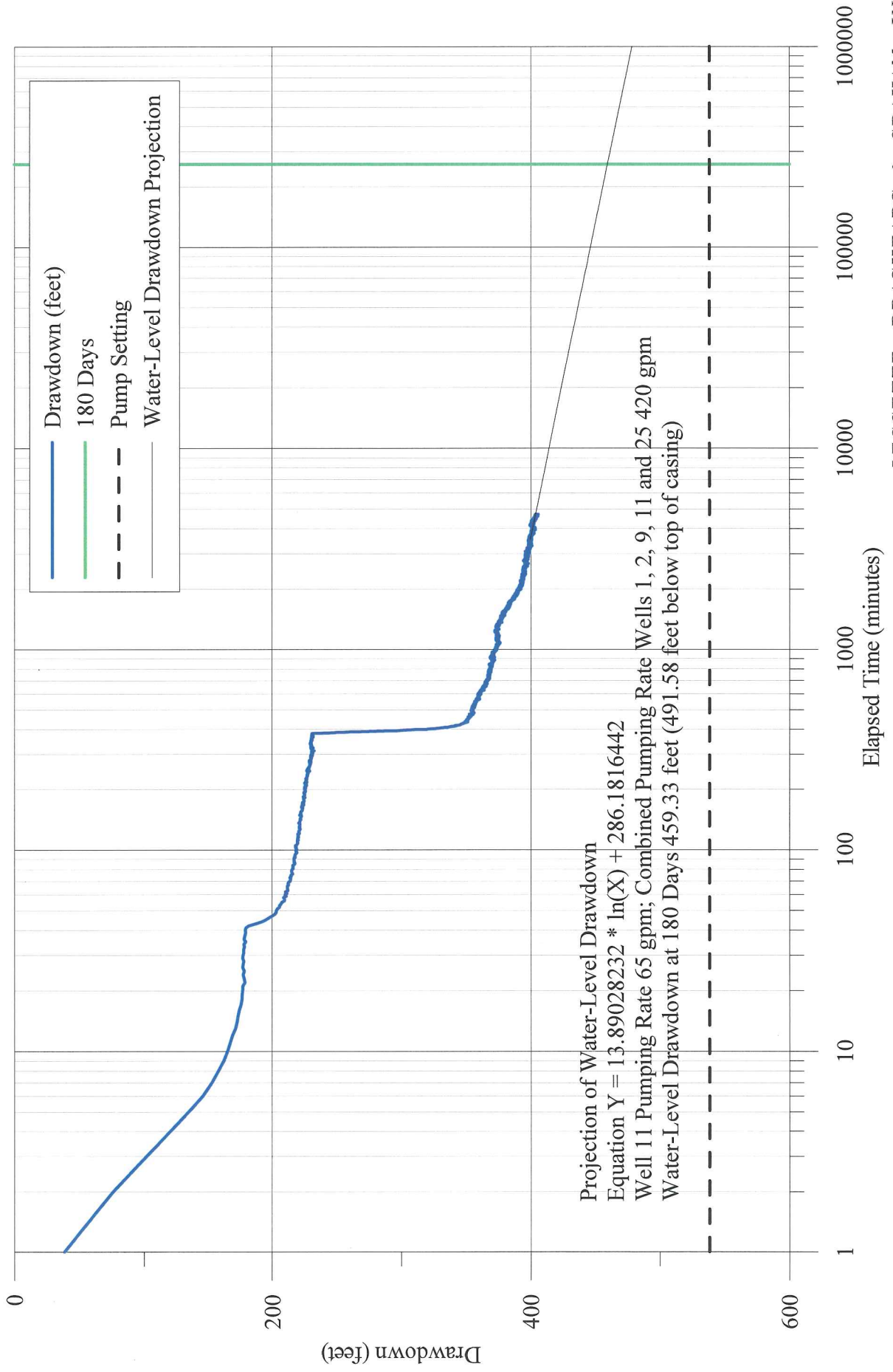
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

180-Day Water-Level Drawdown Projection for Well 9 from Data Collected During Pumping Test Conducted June 9 Through June 19, 2014



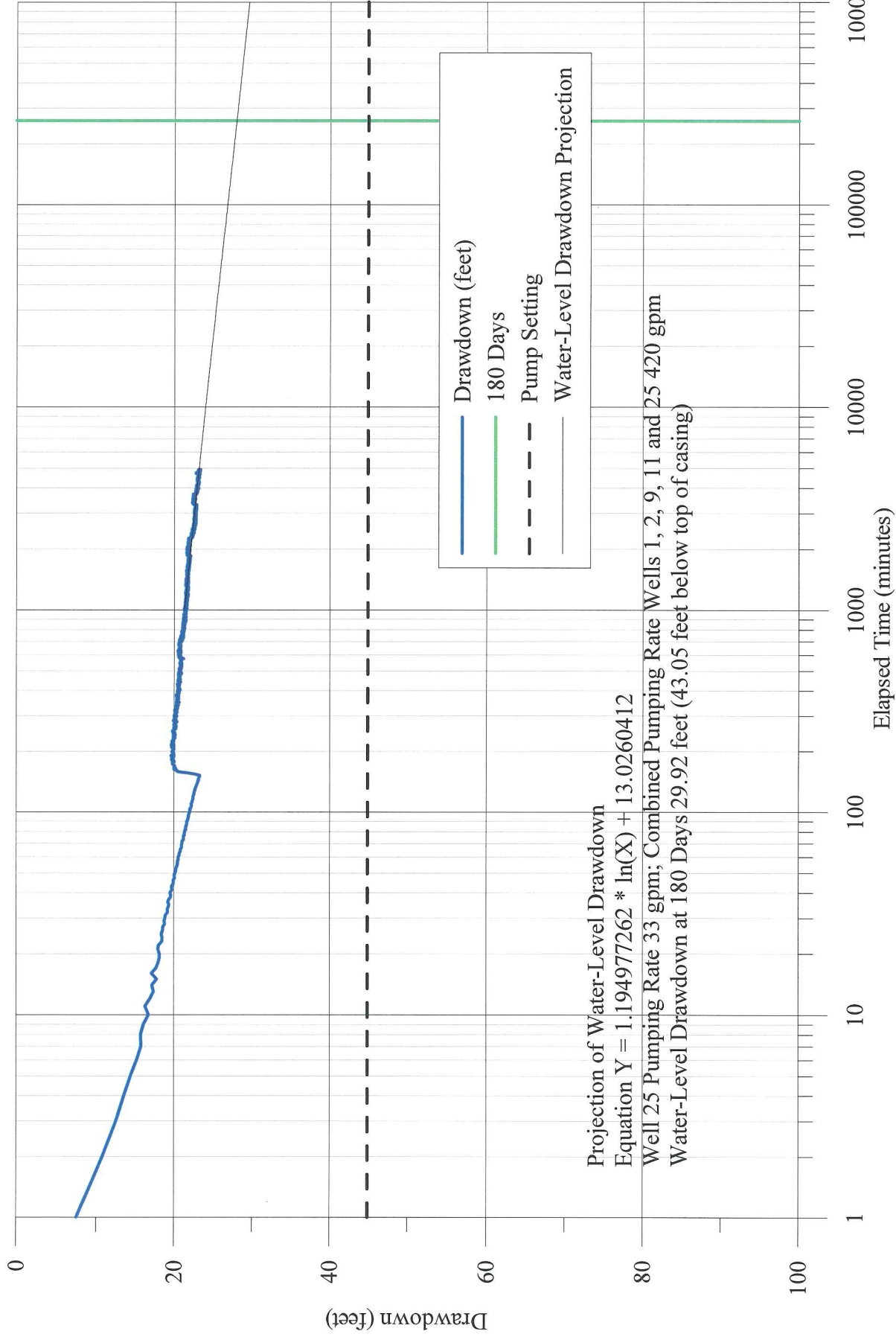
**SILLO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK**

**180-Day Water-Level Drawdown Projection for Well 11 from Data Collected During
Pumping Test Conducted June 9 Through June 19, 2014**



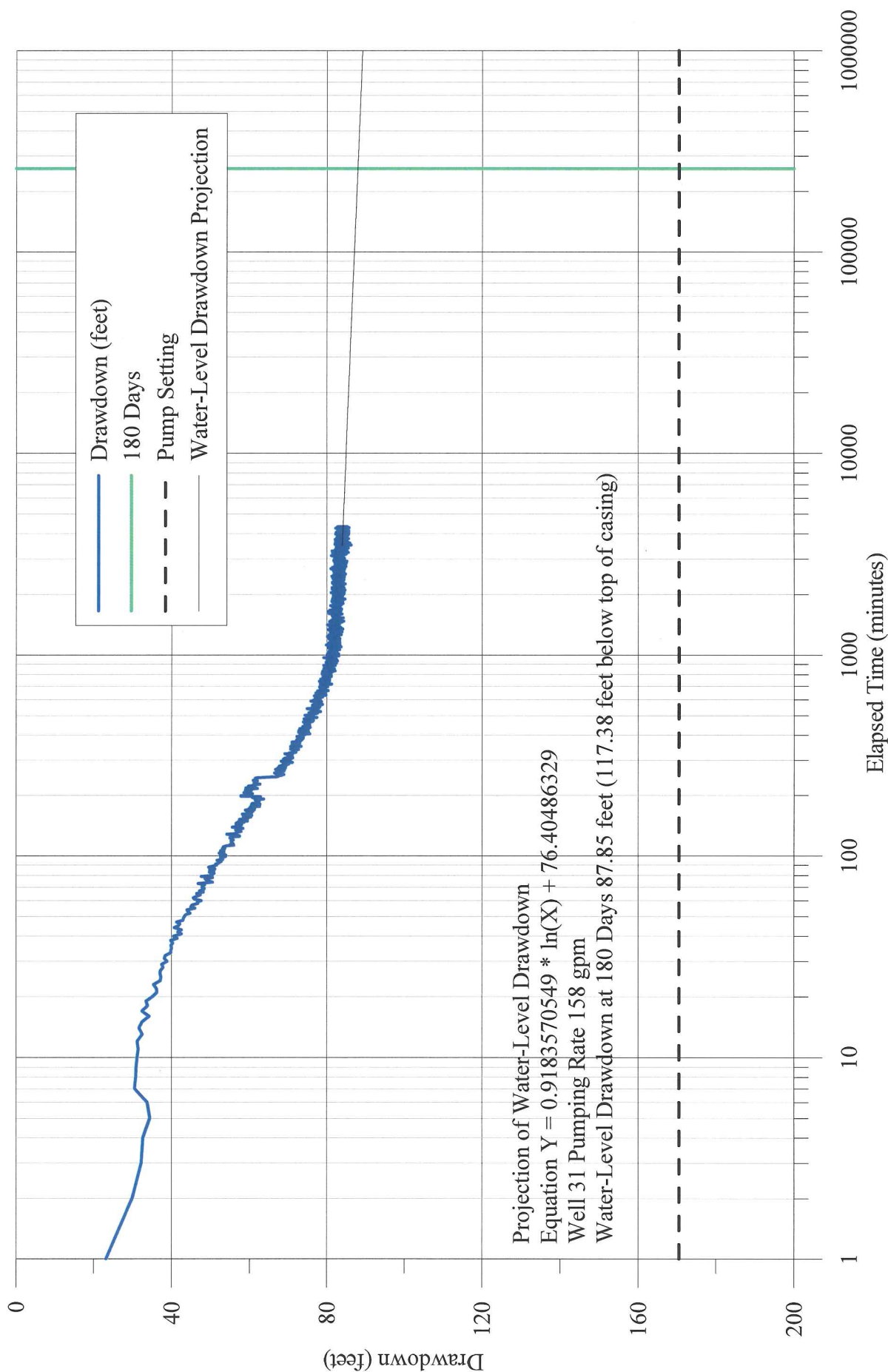
SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK

180-Day Water-Level Drawdown Projection for Well 25 from Data Collected During
Pumping Test Conducted June 9 Through June 19, 2014



SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

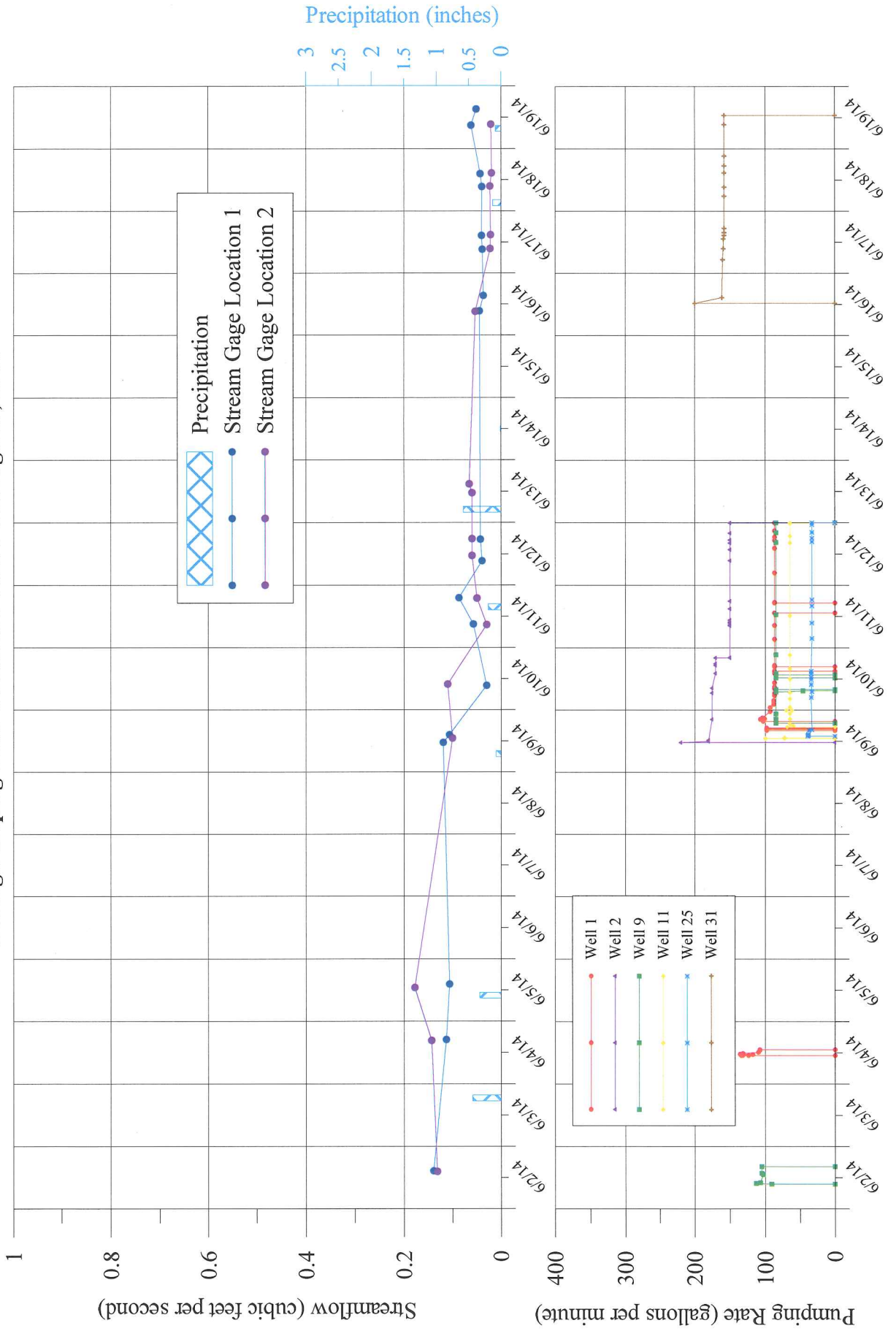
180-Day Water-Level Drawdown Projection for Well 31 from Data Collected During Pumping Test Conducted June 9 Through June 19, 2014



APPENDIX VIII

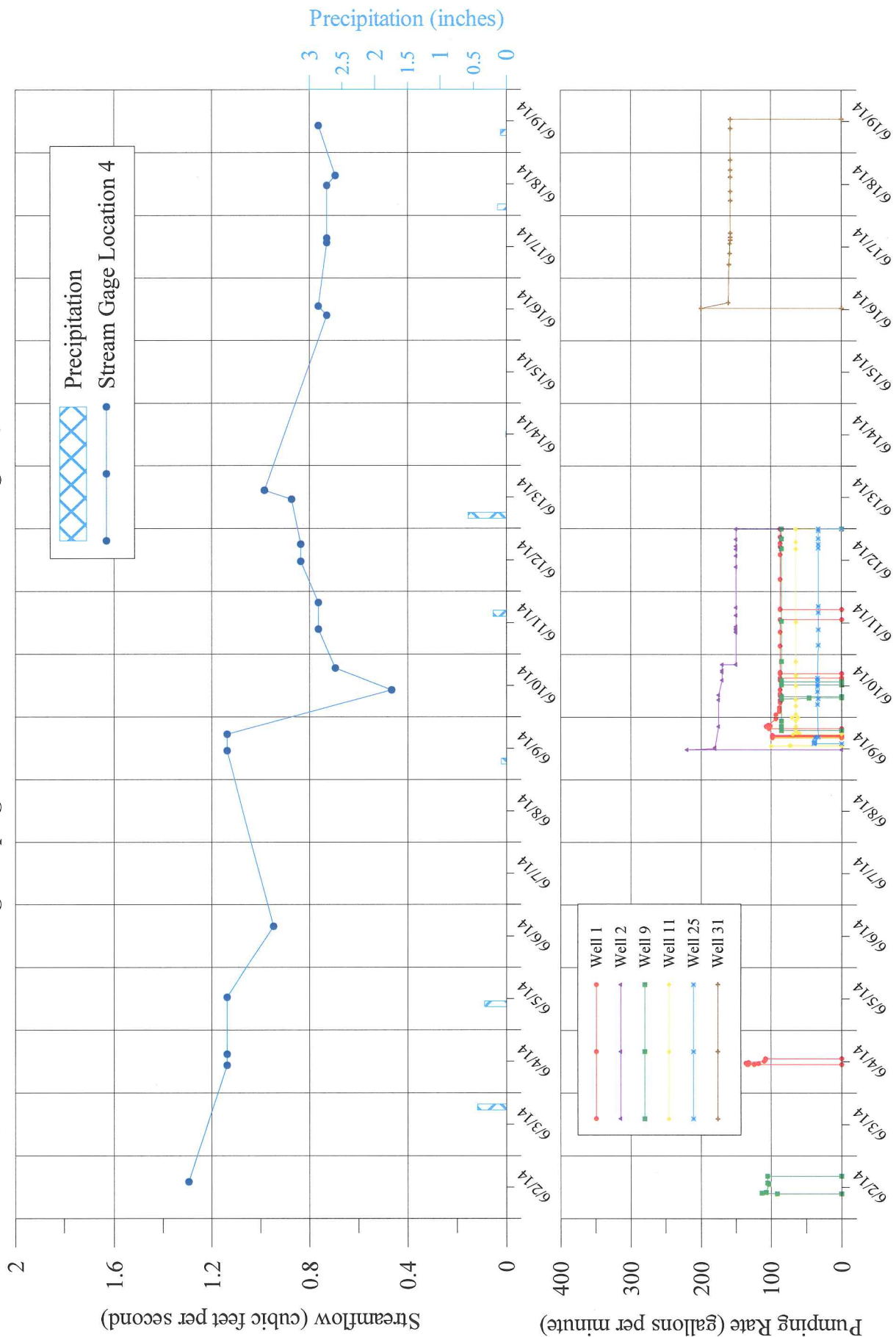
SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

**Graph of Stream Gaging Measurements Collected from Locations SG-1 and SG-2
During Pumping Tests Conducted June 9 Through 19, 2014**



SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

Graph of Stream Gaging Measurements Collected from Locations SG-4
During Pumping Tests Conducted June 9 Through 19, 2014



APPENDIX IX

WELL 2
WATER QUALITY

ANALYTICAL REPORT

Job Number: 420-78776-2

SDG Number: Silo Ridge

Job Description: LBG, Inc.

For:

Leggette, Brashears & Graham, Inc.

4 Research Drive

Shelton, CT 06464

Attention: Stacy Stieber



Debra Bayer

Customer Service Manager

dbayer@envirotestlaboratories.com

07/24/2014

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Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

METHOD SUMMARY

Client: Leggett, Brashears & Graham, Inc.

Job Number: 420-78776-2

SDG Number: Silo Ridge

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Nitrate-Nitrite Lachat	EnvTest	QuickChem 10-107-04-1C	
ICP Metals by 200.7	EnvTest	EPA 200.7 Rev 4.4	
Sample Filtration	EnvTest		FILTRATION
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Total Metals Digestion for 200.7	EnvTest		EPA 200.7
ICPMS Metals by 200.8	EnvTest	EPA 200.8	
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Total Metals Digestion for 200.8	EnvTest		EPA 200.8
Apparent Color	EnvTest	SM21 2120B	
Mercury in Water by CVAA	EnvTest	EPA 245.1	
Digestion for CVAA Mercury in Waters	EnvTest		EPA 245.1
Anions by Ion Chromatography	EnvTest	MCAWW 300.0	
EPA 504.1 EDB	Pace	EPA 504.1	
EPA 505 Pesticide/PCB	Pace	EPA 505	
Purgeable Organic Compounds in Water by GC/MS	EnvTest	EPA-DW 524.2	
EPA 525.2 Semivolatile Organics	Pace	EPA 525.2	
EPA 531.1 Carbamate Pesticides in Drinki	Pace	EPA 531.1	
EPA 900 Series GA/GB/RA226/RA228/Gamma	Pace	EPA 900	
Uranium	Pace	STL-STL EPA	
Turbidity	EnvTest	SM20 SM 2130B	
Odor, Threshold Test	EnvTest	SM20 SM 2150B	
Alkalinity, Titration Method	EnvTest	SM18 SM 2320B	
Corrosivity LSI Calculation	EnvTest	SM20 SM 2330B	
Hardness by Calculation	EnvTest	SM20 SM 2340B	
Total Dissolved Solids (Dried at 180 °C)	EnvTest	SM18 SM 2540C	
Chloride by Silver Nitrate Titration	EnvTest	SM18 SM 4500 Cl- B	
Cyanide, Total: Colorimetric Method	EnvTest	SM18 SM 4500 CN E	
Cyanide: Distillation	EnvTest		SM18 SM 4500 CN C
pH	EnvTest	SM19 SM 4500 H+ B	
Sulfide (Methylene Blue method)	EnvTest	SM20 SM 4500 S2 D	
Nitrite by Colormetric	EnvTest	SM20 SM 4500B	
Total Coliform and Escherichia coli by Colilert - Presence/Absence	EnvTest	SMWW SM 9223	
General Sub Contract Method	Env.Assoc.	Subcontract	
General Sub Contract Method	Pace	Subcontract	

EnviroTest Laboratories, Inc.

METHOD SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

SDG Number: Silo Ridge

Description	Lab Location	Method	Preparation Method
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Lab References:

Env.Assoc. = Environmental Associates

EnvTest = EnviroTest

Pace = Pace Analytical - Ormond Beach

Method References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

QuickChem = Lachat QuickChem Manual

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SM19 = "Standard Methods For The Examination Of Water And Wastewater", 19Th Edition, 1995."

SM20 = "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."

SM21 = "Standard Methods For The Examination Of Water And Wastewater", 21st Edition

SMWW = "Standard Methods for the Examination of Water and Wastewater"

STL-STL = Severn Trent Laboratories, St. Louis, Facility Standard Operating Procedure.

METHOD / ANALYST SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

SDG Number: Silo Ridge

Method	Analyst	Analyst ID
EPA-DW 524.2	Andersen, Eric C	ECA
EPA 200.7 Rev 4.4	McPhillips, Julie	JM
EPA 200.8	McPhillips, Julie	JM
EPA 245.1	McPhillips, Julie	JM
SM20 SM 2340B	McPhillips, Julie	JM
QuickChem 10-107-04-1C	Cusack, Renee	RC
SM21 2120B	Luis, Carlos	CL
MCAWW 300.0	Ulanmo, RoseAnn	RU
SM20 SM 2130B	Luis, Carlos	CL
SM20 SM 2150B	Luis, Carlos	CL
SM18 SM 2320B	Goldstein, Amy	AG
SM20 SM 2330B	Pistole, Maria	MP
SM18 SM 2540C	Travis, Lyndsey	LT
SM18 SM 4500 Cl- B	Goldstein, Amy	AG
SM18 SM 4500 CN E	Cusack, Renee	RC
SM19 SM 4500 H+ B	Luis, Carlos	CL
SM20 SM 4500 S2 D	Goldstein, Amy	AG
SM20 SM 4500B	Ulanmo, RoseAnn	RU
SMWW SM 9223	Luis, Carlos	CL

SAMPLE SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

SDG Number: Silo Ridge

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-78776-2	Silo Ridge Well 2	Drinking Water	06/12/2014 0930	06/12/2014 1320

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 2

Lab Sample ID: 420-78776-2

Date Sampled: 06/12/2014 0930

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

524.2 Purgeable Organic Compounds in Water by GC/MS

Method: 524.2

Analysis Batch: 420-76303

Instrument ID: Agilent 7890A/5975C

Preparation: N/A

Lab File ID: X061222.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 06/12/2014 1923

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<0.500		0.500
1,1,1-Trichloroethane	<0.500		0.500
1,1,2,2-Tetrachloroethane	<0.500		0.500
1,1,2-Trichloroethane	<0.500		0.500
1,1-Dichloroethane	<0.500		0.500
1,1-Dichloroethene	<0.500		0.500
1,1-Dichloropropene	<0.500		0.500
1,2,3-Trichlorobenzene	<0.500		0.500
1,2,3-Trichloropropane	<0.500		0.500
1,2,4-Trichlorobenzene	<0.500		0.500
1,2,4-Trimethylbenzene	<0.500		0.500
1,2-Dichloroethane	<0.500		0.500
1,2-Dichlorobenzene	<0.500		0.500
1,2-Dichloropropane	<0.500		0.500
1,3-Dichloropropane	<0.500		0.500
1,4-Dichlorobenzene	<0.500		0.500
2,2-Dichloropropane	<0.500	*	0.500
Benzene	<0.500		0.500
Bromobenzene	<0.500		0.500
Bromochloromethane	<0.500		0.500
Bromomethane	<0.500		0.500
n-Butylbenzene	<0.500		0.500
cis-1,2-Dichloroethene	<0.500		0.500
cis-1,3-Dichloropropene	<0.500		0.500
Carbon tetrachloride	<0.500		0.500
Chlorobenzene	<0.500		0.500
Chloroethane	<0.500		0.500
Chloromethane	<0.500		0.500
Dibromomethane	<0.500		0.500
Ethylbenzene	<0.500		0.500
Dichlorodifluoromethane	<0.500		0.500
Hexachlorobutadiene	<0.500		0.500
Isopropylbenzene	<0.500		0.500
p-Isopropyltoluene	<0.500		0.500
Methylene Chloride	<0.500		0.500
m-Xylene & p-Xylene	<0.500		0.500
Methyl tert-butyl ether	<0.500		0.500
o-Xylene	<0.500		0.500
Tetrachloroethene	<0.500		0.500
Toluene	<0.500		0.500
trans-1,2-Dichloroethene	<0.500		0.500
trans-1,3-Dichloropropene	<0.500		0.500
Trichloroethene	<0.500		0.500
tert-Butylbenzene	<0.500		0.500

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 2

Lab Sample ID: 420-78776-2

Date Sampled: 06/12/2014 0930

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

524.2 Purgeable Organic Compounds in Water by GC/MS

Method: 524.2

Analysis Batch: 420-76303

Instrument ID: Agilent 7890A/5975C

Preparation: N/A

Lab File ID: X061222.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 06/12/2014 1923

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane	<0.500		0.500
Vinyl chloride	<0.500		0.500
Xylenes, Total	<0.500		0.500
Styrene	<0.500		0.500
sec-Butylbenzene	<0.500		0.500
1,3,5-Trimethylbenzene	<0.500		0.500
N-Propylbenzene	<0.500		0.500
1,3-Dichlorobenzene	<0.500		0.500
2-Chlorotoluene	<0.500		0.500
4-Chlorotoluene	<0.500		0.500

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	71 - 120
Toluene-d8 (Surr)	101	79 - 121
1,2-Dichloroethane-d4 (Surr)	95	70 - 128

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 2

Lab Sample ID: 420-78776-2
Client Matrix: Drinking WaterDate Sampled: 06/12/2014 0930
Date Received: 06/12/2014 1320**200.7 Rev 4.4 ICP Metals by 200.7**

Method:	200.7 Rev 4.4	Analysis Batch: 420-76419	Instrument ID:	Thermo ICP
Preparation:	200	Prep Batch: 420-76363	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	mL
Date Analyzed:	06/17/2014 2227		Final Weight/Volume:	mL
Date Prepared:	06/17/2014 0915			

Analyte	Result (ug/L)	Qualifier	RL
Iron	340	g	60.0
Manganese	258		10.0
Sodium	4730		200
Zinc	79.2		20.0

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 420-76525	Instrument ID:	Thermo ICP
Preparation:	200.7	Prep Batch: 420-76436	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	mL
Date Analyzed:	06/20/2014 1840		Final Weight/Volume:	mL
Date Prepared:	06/19/2014 0921			

Analyte	Result (ug/L)	Qualifier	RL
Iron	117		60.0
Manganese	243		10.0

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 2

Lab Sample ID: 420-78776-2
Client Matrix: Drinking WaterDate Sampled: 06/12/2014 0930
Date Received: 06/12/2014 1320**200.8 ICPMS Metals by 200.8**

Method:	200.8	Analysis Batch: 420-76383	Instrument ID:	Perkin Elmer ELAN
Preparation:	200	Prep Batch: 420-76363	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	mL
Date Analyzed:	06/17/2014 1433		Final Weight/Volume:	mL
Date Prepared:	06/17/2014 0915			

Analyte	Result (ug/L)	Qualifier	RL
Lead	<1.00		1.00
Arsenic	<1.40		1.40
Beryllium	<0.300		0.300
Cadmium	<1.00		1.00
Chromium	<7.00		7.00
Nickel	12.8		0.500
Antimony	<0.400		0.400
Thallium	<0.300		0.300
Barium	8.97		2.00
Selenium	<2.00		2.00

Method:	200.8	Analysis Batch: 420-76626	Instrument ID:	Perkin Elmer ELAN
Preparation:	200.8	Prep Batch: 420-76568	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	50 mL
Date Analyzed:	06/24/2014 1740		Final Weight/Volume:	50 mL
Date Prepared:	06/23/2014 1251			

Analyte	Result (ug/L)	Qualifier	RL
Silver	<1.00		1.00

245.1 Mercury in Water by CVAA

Method:	245.1	Analysis Batch: 420-76473	Instrument ID:	Perkin Elmer FIMS
Preparation:	245.1	Prep Batch: 420-76463	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	25 mL
Date Analyzed:	06/19/2014 1631		Final Weight/Volume:	25 mL
Date Prepared:	06/19/2014 1320			

Analyte	Result (ug/L)	Qualifier	RL
Mercury	<0.200		0.200

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 2

Lab Sample ID: 420-78776-2
Client Matrix: Drinking WaterDate Sampled: 06/12/2014 0930
Date Received: 06/12/2014 1320

SM 2340B Hardness by CalculationMethod: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/17/2014 2227
Date Prepared: N/A

Analysis Batch: 420-76423

Instrument ID: None
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier	RL
Calcium hardness as calcium carbonate	92.7		1.25

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

Sdg Number: Silo Ridge

Biology**Client Sample ID:** Silo Ridge Well 2Lab Sample ID: 420-78776-2
Client Matrix: Drinking WaterDate Sampled: 06/12/2014 0930
Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	Dil	Method
Coliform, Total	Absent		CFU/100mL	1.0	SM 9223
	Anly Batch: 420-76274	Date Analyzed	06/12/2014 1743		
Escherichia coli	Absent		CFU/100mL	1.0	SM 9223
	Anly Batch: 420-76274	Date Analyzed	06/12/2014 1743		

General Chemistry

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

Sdg Number: Silo Ridge

General Chemistry**Client Sample ID:** Silo Ridge Well 2Lab Sample ID: 420-78776-2
Client Matrix: Drinking WaterDate Sampled: 06/12/2014 0930
Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	Dil	Method
Langelier Index	-0.800		NONE	1.0	SM 2330B
	Any Batch: 420-76656	Date Analyzed	06/25/2014 1543		

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

Sdg Number: Silo Ridge

General Chemistry**Client Sample ID: Silo Ridge Well 2**Lab Sample ID: 420-78776-2
Client Matrix: Drinking WaterDate Sampled: 06/12/2014 0930
Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	RL	Dil	Method
Nitrate Nitrite as N	<0.0100		mg/L	0.0100	1.0	10-107-04-1C
	Anly Batch: 420-76347	Date Analyzed	06/16/2014 1410			
Alkalinity	114		mg/L	5.00	1.0	SM 2320B
	Anly Batch: 420-76413	Date Analyzed	06/17/2014 0940			
Total Dissolved Solids	198		mg/L	5.00	1.0	SM 2540C
	Anly Batch: 420-76437	Date Analyzed	06/18/2014 1545			
Sulfate	20.4		mg/L	5.00	1.0	300.0
	Anly Batch: 420-76381	Date Analyzed	06/16/2014 1254			
Fluoride	<0.500		mg/L	0.500	1.0	300.0
	Anly Batch: 420-76381	Date Analyzed	06/16/2014 1254			
Chloride	<5.00		mg/L	5.00	1.0	SM 4500 Cl- B
	Anly Batch: 420-76576	Date Analyzed	06/23/2014 1541			
Cyanide, Total	<0.00500		mg/L	0.00500	1.0	SM 4500 CN E
	Anly Batch: 420-76509	Date Analyzed	06/20/2014 1200			
	Prep Batch: 420-76507	Date Prepared:	06/18/2014 0830			
Apparent Color	10.0		Pt-Co	2.00	1.0	2120B
	Anly Batch: 420-76339	Date Analyzed	06/13/2014 1510			
pH@color measurement	7.28		SU	2.00	1.0	2120B
	Anly Batch: 420-76339	Date Analyzed	06/13/2014 1510			
Turbidity	3.32		NTU	0.100	1.0	SM 2130B
	Anly Batch: 420-76341	Date Analyzed	06/13/2014 1316			
Odor	1.00		T.O.N.	1.00	1.0	SM 2150B
	Anly Batch: 420-76340	Date Analyzed	06/13/2014 1400			
Temp @ Odor Measurement	65.0		Degrees C	5.00	1.0	SM 2150B
	Anly Batch: 420-76340	Date Analyzed	06/13/2014 1400			
pH	7.28	H	SU	0.200	1.0	SM 4500 H+ B
	Anly Batch: 420-76337	Date Analyzed	06/13/2014 1440			
Temp @ pH Measurement	22.2		Degrees C	5.00	1.0	SM 4500 H+ B
	Anly Batch: 420-76337	Date Analyzed	06/13/2014 1440			
Nitrite as N	<0.0100		mg/L	0.0100	1.0	SM 4500B
	Anly Batch: 420-76396	Date Analyzed	06/12/2014 1640			

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

Sdg Number: Silo Ridge

General Chemistry

Client Sample ID: Silo Ridge Well 2

Lab Sample ID: 420-78776-2

Date Sampled: 06/12/2014 0930

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfide	<0.100		mg/L	0.100	1.0	SM 4500 S2 D
	Anly Batch: 420-76380	Date Analyzed	06/17/2014 1430			

DATA REPORTING QUALIFIERS

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

Sdg Number: Silo Ridge

Lab Section	Qualifier	Description
GC/MS VOA	*	LCS or LCSD exceeds the control limits
Metals	g	Result fails applicable NYS drinking water standards
General Chemistry	H	Sample was prepped or analyzed beyond the specified holding time

Definitions and Glossary

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

Sdg Number: Silo Ridge

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum quantitation levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points

2

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-2

SDG Number: Silo Ridge

Login Number: 78776

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	1.3 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	False	pH
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



Laboratory Results

for *Giardia* & *Cryptosporidium* Analysis

Page 1 of 2



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ACCOUNT No. **EnviroTest Laboratories Inc.**
AD-12701 315 Fullerton Ave.
Newburgh NY 12550

CONTACT

Ms. Joyce Esposito
1 (845) 562-0890 FAX 610 375-4090

EPA# NY01507
FL -E87851
PA-68-04514

P.O. No. 42001269

SAMPLE No. 43195	SAMPLE SITE	SILO RIDGE WELL # 2	CLIENT IDENTIFICATION	420-78776-T-2
------------------	-------------	---------------------	-----------------------	---------------

SAMPLE DATA

FILTER SAMPLE

WATER TYPE: Ground Water (GW) SAMPLE COLLECTOR: Stacy Stieber
DATE COLLECTED DATE/TIME: Jun 12, 2014 9:30am AMOUNT COLLECTED: 2.64 gal (10 L)
DATE RECEIVED: Jun 13, 2014 TURBIDITY: na
RECEIPT TEMPERATURE (°C) : 3.5 pH: na
ELUTION START DATE/TIME: Jun 14, 2014 7AM FILTER COLOR: Clear Bulk Water
TOTAL VOLUME OF SEDIMENT: 0.1 ML

SAMPLE NOTES

Accepted

EAL Quality Control
GC Serial Number
QCGC-14-15

Number of Aliquots Examined: 1

ANALYSIS TYPE METHOD EPA 1623 Envirocheck HV G&C

Method Remarks

Method 1623 employs a concentration step (centrifugation, Envirocheck filter or Filta-Max filter), followed by immunomagnetic separation (IMS) and an immunofluorescent stain for *Giardia* and *Cryptosporidium*. Positive and Negative Controls were stained and examined concurrently.

RESULTS

Environmental Associates Ltd. certifies that all quality control elements associated with the above data have been met except as may be noted in the comments section. Results relate only to the sample.

ANALYTE		Cysts Observed	Result per 100L	Result per 1L
<i>Giardia</i>	Empty <i>Giardia</i> Cysts Detected	0	ND	ND
	<i>Giardia</i> Cysts with Amorphous Structure	0	ND	ND
	<i>Giardia</i> Cysts with One Internal Structure	0	ND	ND
	<i>Giardia</i> Cysts with More than One Internal Structure	1	10	.1
	Total IFA <i>Giardia</i> Count per 100L	1	10	.1
ANALYTE		Oocysts Observed	Result per 100L	Result per 1L
<i>Cryptosporidium</i>	Empty <i>Cryptosporidium</i> Oocysts Detected	0	ND	ND
	<i>Cryptosporidium</i> Oocysts with Amorphous Structure	0	ND	ND
	<i>Cryptosporidium</i> Oocysts with Internal Structure	0	ND	ND
	Total IFA <i>Cryptosporidium</i> Count per 100L	0	ND	ND
COMMENTS		EQUIVALENT VOLUME EXAMINED: 10L	DETECTION LIMIT PER 100L: <10.00	DETECTION LIMIT PER 1L: <0.100

All limitations of analytical methods, laboratory dilutions, and instruments apply. If there are any questions about this report please contact the person certifying the report at the lab number.

NOTICE: EPA Method 1623 indicates 1 matrix sample is needed for every 20 field samples. Please contact the laboratory for details.

ANALYST Dr. Susan Boutros
ANALYSIS CERTIFIED BY *Susan H. Boutros* President & Lab Director
Dr. Susan Boutros

DATE COMPLETED June 15, 2014

DATE CERTIFIED June 26, 2014



Laboratory Results

for *Giardia* & *Cryptosporidium* Analysis

Page 2 of 2



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ACCOUNT No. **EnviroTest Laboratories Inc.**
AD-12701 315 Fullerton Ave.
Newburgh NY 12550

CONTACT

Ms. Joyce Esposito
1 (845) 562-0890 FAX 610 375-4090

EPA# NY01507
FL -E87851
PA-68-04514

SAMPLE No. 43195

Quality Control data for

Method 1623

Cryptosporidium and Giardia in Water by Filtration/IMS/FA (EPA-815-R-05-002)

EAL Quality Control
Serial Number
QCGC-14-15

Materials	Lot Number	Expiration Date
Waterborne™, Inc. - AccuSpike-IR	81	6/23/2014
Dynal Dynabeads GC-Combo	1078998	9/1/2014
AquaGlo GC Direct	803604	1/1/2015

Positive QC Sample

% Sample Examined	Crypto. Spike	Crypto. Count	Crypto. % Recovery
100	100	62	62.0
% Sample Examined	Giardia Spike	Giardia Count	Giardia % Recovery
100	100	74	74.0

Negative QC Sample

% Sample Examined	Crypto. Spike	Crypto. Count	Crypto. % Recovery
100	0	0	----
% Sample Examined	Giardia Spike	Giardia Count	Giardia % Recovery
100	0	0	----

Note:

ENVIRONMENTAL ASSOCIATES LTD.
24 Oak Brook Drive, Ithaca, NY 14850
(607) 272-8902 Fax (607) 256-7092

Page 1 of 1



REPORT: MICROSCOPIC PARTICULATE ANALYSIS

Client: Joyce Esposito
EnviroTest Laboratories Inc.
315 Fullerton Ave.
Newburgh NY 12550

FILTER ID: 43196

Station/Body of water: Silo Ridge Well # 2

RECEIPT OF FILTER:

Date Received: 6/13/2014 # of filters: NA Type: bulk sample Carrier: FedEx

COLLECTION:

Collector: Stacy Stieber Date & Time Collected: 6/12/2014 9:30am
Temperature: na °F Turbidity: na
Water Type: Ground Water (GW) Date & Time Processed: 6/13/2014 4:00 PM
Date Analyzed: 6/27/2014

FILTER PROCESSING

Color of water around filter: N/A Total volume of sediment: 0.01 ml
Filter color: Clear Bulk Water Volume of sediment/100 gallons: 0.38 ml
Color of sediment: white Phase equivalent gallon volume examined: 2.64
gallons filtered: 2.641

ANALYSIS OF PARTICULATES:

key = (EH) - extremely heavy [$>20/\text{field @ } 100X$] (H) - heavy [$10-20/\text{field @ } 100X$]
(M) - moderate [$4-9/\text{field @ } 100X$] (R) - rare [$<1-3/\text{field @ } 100X$] (NF) - none found

PARTICULATE DEBRIS

	Quantity	Description
Large part. 5 μm & larger	<u>EH</u>	<u>fine silt</u>
Small part. up to 5 μm	<u>EH</u>	<u>fine amorphous debris</u>
Plant debris	<u>NF</u>	

OTHER ORGANISMS

Nematodes	<u>NF</u>	
Nematode eggs	<u>NF</u>	
Rotifers	<u>NF</u>	
Crustaceans	<u>NF</u>	
Crustacean eggs	<u>NF</u>	
Insects	<u>NF</u>	
Other	<u>NF</u>	

PROTOZOANS

	Quantity	Description
Other Coccidia	<u>NF</u>	
Other protozoans	<u>NF</u>	

ALGAE

Green Algae	<u>NF</u>	
Diatoms	<u>NF</u>	
Blue-Green Algae	<u>NF</u>	
Flagellated Algae	<u>NF</u>	

COMMENTS:

No biological materials were observed. Based upon microscopic particulate analysis and the proposed EPA risk factors associated with bio-indicators there is a low risk of surface contamination (EPA risk factors= 0 low risk).

Environmental Associates Ltd. certifies that all quality control elements associated with the above data have been met except as may be noted in the comments section. Results relate only to the sample.

REPORT REVIEWED BY:

Jason H. Burtis

DATE: June 30, 2014

President & Lab Director

E.A. - Rev. April 3, 2006
E.A. - Rev. Feb 15, 2010

ENVIRONMENTAL ASSOCIATES LTD.

24 Oak Brook Drive, Ithaca, NY 14850
(607) 272-8902 Fax (607) 256-7092

REPORT: MICROSCOPIC PARTICULATE ANALYSIS EPA 910/9-92-029

Page 2 of 2



EAL Sample ID:	Well ID#	Utility Name
43196	Silo Ridge Well # 2	EnviroTest Laboratories Inc.

Date: 6/12/2014

EPA Relative Surface Water Risk Factors

Primary Particulates	#/100 gallon	Relative Frequency	Relative Risk Factor	Comments
Diatoms	0	NF	0	
Other Algae	0	NF	0	
Insects/larvae	0	NF	0	
Rotifers	0	NF	0	
Plant Debris (with chloro.)	0	NF	0	
EPA Relative Risk = 0				Low Risk

Secondary Particulates

Nematodes	0			
Crustaceans	0			
Amoeba	0			
Non-photo. flag. & ciliates	0			
Photosynthetic flagellates	0			
Other:	0			

COMMENTS: No biological materials were observed. Based upon microscopic particulate analysis and the proposed EPA risk factors associated with bio-indicators there is a low risk of surface contamination (EPA risk factors= 0 low risk).

REFERENCE: Consensus Method for Determining Groundwaters Under the Direct Influence of Surface Water Using Microscopic Particulate Analysis

[QMPA] US EPA Manchester Environmental Laboratory, EPA 910/9-92-029, October 1992.

Environmental Associates Ltd. certifies that all quality control elements associated with the above data have been met except as may be noted in the comments section. Results relate only to the sample.

REPORT REVIEWED BY:

Susan H. Boutros

Dr. Susan Boutros

DATE: June 30, 2014

President & Lab Director

Environmental Associates, Ltd.

EnviroTest Laboratories, Inc.

CHAIN OF CUSTODY

REPORT# (Lab Use Only)

78776-2

Lab Name
Address & Phone

EnviroTest Laboratories
315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

PROJECT REFERENCE: Siloriac		PROJECT LOCATION: Antigua	MATRIX TYPE: OTHER SPECIFY		REQUIRED ANALYSES										PAGE 1 of 1	
ENVIROTEST PROJECT MANAGER: Debra Bayer		P.O. NUMBER: Silori	TOWN: Antigua	D (Drinking Water) or W (Waste Water) Indicate		40ml Vials Unpres										TURNAROUND TIME
CLIENT (SITE) PM: LBG, Inc.		CLIENT PHONE: 203-929-8555	CLIENT FAX:	AQUEOUS (WATER)		Gallon Plastic Nitric										NORMAL
CLIENT NAME: Stacey Stieber				COMPOSITE (C) OR GRAB (G) INDICATE		125ml Plastic Sterile										QUICK
CLIENT ADDRESS: 4 Research Drive, Suite 301, Shelton, CT 06484						250ml Plastic Sodium Hyd										VERBAL
COMPANY CONTRACTING THIS WORK (if applicable):						1 liter Plastic										
SAMPLE IDENTIFICATION						40ml Mon/Sod Thio (liquid)										
DATE: 6/12/14	TIME: 930	SAMPLE: Siloriac well 2				250ml Plastic Nitric Acid										
						Liter Amber HCl/Na2SO3										
						250ml Amber Sodium Thio										
						40ml Sodium Thio										
						40ml Vials HCL										
						Bladder										
						OTHER SPECIFY										
						SOLID OR SEMISOLID										
						NUMBER OF CONTAINERS SUBMITTED										
						2 3 2 1 3 1 2 4 1 2 1 3										
						Table 8B (Sb, As, Ba, Be, Cd, Cr, Cu, Hg, Ni)										
						Se, Ti, F)										
						Table 8C (NO3, NO2)										
						Table 8D (Cl, Fe, Mn, Ag, Na, SO4, Zn, Odor, Color)										
						S24.2 (POC, MIB, Vinyl Chloride)										
						SOCs (S04, S08, S15, S25, S31, S47, S48, S49, Dioxins)										
						Additional Tests (Total coliform thru Zinc)										
						Dis, Fe, Dis, Mn, Sulfide										
						Radon, Gross Alpha/Beta,										
						Radium 226/228, Total Uranium										
						MPA (including Crypto and Giardia)										
RELINQUISHED BY: (SIGNATURE)		COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME								
SAMPLED BY: (SIGNATURE)		COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME								
RELINQUISHED BY: (SIGNATURE)		COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME								
SUBCONTACT: PAC, SOC, Radio, Radon, MPA - Environmental Assoc.		DATE	TIME	CUSTODY INTACT	COOLER TEMP	LABORATORY REMARKS: ICE pH CL2 Reviewed by										
RECEIVED FOR LABORATORY BY: Debra Bayer		DATE: 6/12/14	TIME: 1320	YES	1.3											

July 03, 2014

Ron Bayer
EnviroTest Laboratories Inc.
315 Fullerton Avenue
Newburgh, NY 12550

RE: Project: 42001269
Pace Project No.: 35141945

Dear Ron Bayer:

Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Bo Garcia
bo.garcia@pacelabs.com
Project Manager

Enclosures

cc: Debra Bayer, EnviroTest Laboratories Inc.
Renee Cusack, EnviroTest Laboratories Inc.
Joyce Esposito, EnviroTest Laboratories Inc.
Janine Rader, EnviroTest Laboratories Inc.
Meredith Ruthven, EnviroTest Laboratories Inc.



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: 42001269
Pace Project No.: 35141945

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601
ACCLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235

Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: PA014572014-4
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 42001269
Pace Project No.: 35141945

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35141945001	Silo Ridge Well 2	Drinking Water	06/12/14 09:30	06/13/14 11:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 42001269
Pace Project No.: 35141945

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35141945001	Silo Ridge Well 2	EPA 504.1	IRL	2	PASI-O
		EPA 508.1	JTJ	18	PASI-O
		EPA 515.3	LJM	8	PASI-O
		EPA 531.1	LAJ	9	PASI-O
		EPA 547	LAJ	1	PASI-O
		EPA 549.2	LAJ	1	PASI-O
		EPA 525.2	WFH	8	PASI-O
		EPA 548.1	EAO	1	PASI-O
		SM 7500Rn-B	FCC	1	PASI-PA
		EPA 900.0	FCC	2	PASI-PA
		EPA 903.1	SLA	1	PASI-PA
		EPA 904.0	JMR	1	PASI-PA
		ASTM D5174.97	RMK	1	PASI-PA

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ANALYTICAL RESULTS

Project: 42001269
Pace Project No.: 35141945

Sample: Silo Ridge Well 2 **Lab ID:** 35141945001 **Collected:** 06/12/14 09:30 **Received:** 06/13/14 11:10 **Matrix:** Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
504.1 GCS EDB and DBCP Analytical Method: EPA 504.1 Preparation Method: EPA 504.1									
1,2-Dibromo-3-chloropropane	<0.0052	ug/L	0.021	0.0052	1	06/20/14 11:50	06/21/14 00:07	96-12-8	
1,2-Dibromoethane (EDB)	<0.0066	ug/L	0.011	0.0066	1	06/20/14 11:50	06/21/14 00:07	106-93-4	
508.1 GCS Pesticides Analytical Method: EPA 508.1 Preparation Method: EPA 508.1									
Alachlor	<0.032	ug/L	0.19	0.032	1	06/18/14 09:30	06/19/14 07:57	15972-60-8	
Atrazine	<0.020	ug/L	0.094	0.020	1	06/18/14 09:30	06/19/14 07:57	1912-24-9	
gamma-BHC (Lindane)	<0.0028	ug/L	0.019	0.0028	1	06/18/14 09:30	06/19/14 07:57	58-89-9	
Butachlor	<0.014	ug/L	0.094	0.014	1	06/18/14 09:30	06/19/14 07:57	23184-66-9	
Chlordane (Technical)	<0.044	ug/L	0.19	0.044	1	06/18/14 09:30	06/19/14 07:57	57-74-9	
Dieldrin	<0.013	ug/L	0.094	0.013	1	06/18/14 09:30	06/19/14 07:57	60-57-1	
Endrin	<0.0019	ug/L	0.0094	0.0019	1	06/18/14 09:30	06/19/14 07:57	72-20-8	
Heptachlor	<0.0056	ug/L	0.038	0.0056	1	06/18/14 09:30	06/19/14 07:57	76-44-8	
Heptachlor epoxide	<0.0028	ug/L	0.019	0.0028	1	06/18/14 09:30	06/19/14 07:57	1024-57-3	
Hexachlorobenzene	<0.010	ug/L	0.094	0.010	1	06/18/14 09:30	06/19/14 07:57	118-74-1	
Hexachlorocyclopentadiene	<0.030	ug/L	0.094	0.030	1	06/18/14 09:30	06/19/14 07:57	77-47-4	
Methoxychlor	<0.013	ug/L	0.094	0.013	1	06/18/14 09:30	06/19/14 07:57	72-43-5	
Metolachlor	<0.010	ug/L	0.094	0.010	1	06/18/14 09:30	06/19/14 07:57	51218-45-2	
PCB, Total	<0.075	ug/L	0.094	0.075	1	06/18/14 09:30	06/19/14 07:57	1336-36-3	
Propachlor	<0.0094	ug/L	0.094	0.0094	1	06/18/14 09:30	06/19/14 07:57	1918-16-7	
Simazine	<0.041	ug/L	0.066	0.041	1	06/18/14 09:30	06/19/14 07:57	122-34-9	
Toxaphene	<0.57	ug/L	0.94	0.57	1	06/18/14 09:30	06/19/14 07:57	8001-35-2	
Surrogates									
Decachlorobiphenyl (S)	105 %		70-130		1	06/18/14 09:30	06/19/14 07:57	2051-24-3	
515.3 Chlorinated Herbicides Analytical Method: EPA 515.3 Preparation Method: EPA 515.3									
2,4-D	<0.081	ug/L	0.10	0.081	1	06/19/14 08:00	06/20/14 07:25	94-75-7	
Dalapon	<0.89	ug/L	1.0	0.89	1	06/19/14 08:00	06/20/14 07:25	75-99-0	
Dicamba	<0.067	ug/L	0.10	0.067	1	06/19/14 08:00	06/20/14 07:25	1918-00-9	L3
Dinoseb	<0.16	ug/L	0.20	0.16	1	06/19/14 08:00	06/20/14 07:25	88-85-7	
Pentachlorophenol	<0.030	ug/L	0.040	0.030	1	06/19/14 08:00	06/20/14 07:25	87-86-5	
Picloram	<0.094	ug/L	0.10	0.094	1	06/19/14 08:00	06/20/14 07:25	1918-02-1	
2,4,5-TP (Silvex)	<0.16	ug/L	0.20	0.16	1	06/19/14 08:00	06/20/14 07:25	93-72-1	
Surrogates									
2,4-DCAA (S)	89 %		70-130		1	06/19/14 08:00	06/20/14 07:25	19719-28-9	
531.1 HPLC Carbamates Analytical Method: EPA 531.1									
Aldicarb	<0.70	ug/L	2.0	0.70	1		06/18/14 19:43	116-06-3	
Aldicarb sulfone	<0.60	ug/L	2.0	0.60	1		06/18/14 19:43	1646-88-4	
Aldicarb sulfoxide	<0.67	ug/L	2.0	0.67	1		06/18/14 19:43	1646-87-3	
Carbofuran	<0.75	ug/L	2.0	0.75	1		06/18/14 19:43	1563-66-2	
3-Hydroxycarbofuran	<0.51	ug/L	2.0	0.51	1		06/18/14 19:43	16655-82-6	
Methomyl	<0.57	ug/L	2.0	0.57	1		06/18/14 19:43	16752-77-5	
Oxamyl	<0.47	ug/L	2.0	0.47	1		06/18/14 19:43	23135-22-0	
Carbaryl	<0.28	ug/L	2.0	0.28	1		06/18/14 19:43	63-25-2	
Surrogates									
Propoxur (S)	89 %		80-120		1		06/18/14 19:43	114-26-1	P4

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 42001269

Pace Project No.: 35141945

Sample: Silo Ridge Well 2 Lab ID: 35141945001 Collected: 06/12/14 09:30 Received: 06/13/14 11:10 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
547 HPLC Glyphosate									
Analytical Method: EPA 547									
Glyphosate	<5.4	ug/L	6.0	5.4	1		06/19/14 13:05		
549.2 HPLC Paraquat Diquat									
Analytical Method: EPA 549.2 Preparation Method: EPA 549.2									
Diquat	<0.15	ug/L	0.40	0.15	1	06/17/14 19:45	06/18/14 13:02	85-00-7	
525.2 Base Neutral Extractable									
Analytical Method: EPA 525.2 Preparation Method: EPA 525.2									
Aldrin	<0.034	ug/L	0.094	0.034	1	06/18/14 09:30	06/19/14 19:52	309-00-2	
Benzo(a)pyrene	<0.018	ug/L	0.094	0.018	1	06/18/14 09:30	06/19/14 19:52	50-32-8	
bis(2-Ethylhexyl)adipate	<0.36	ug/L	1.5	0.36	1	06/18/14 09:30	06/19/14 19:52	103-23-1	
bis(2-Ethylhexyl)phthalate	<0.47	ug/L	1.9	0.47	1	06/18/14 09:30	06/19/14 19:52	117-81-7	
Metribuzin	<0.029	ug/L	0.28	0.029	1	06/18/14 09:30	06/19/14 19:52	21087-64-9	
Surrogates									
1,3-Dimethyl-2-nitrobenzene(S)	115	%	70-130		1	06/18/14 09:30	06/19/14 19:52	81209	
Perylene-d12 (S)	107	%	70-130		1	06/18/14 09:30	06/19/14 19:52	1520963	
Triphenylphosphate (S)	117	%	70-130		1	06/18/14 09:30	06/19/14 19:52	115-86-6	
548.1 GCS Endothall									
Analytical Method: EPA 548.1 Preparation Method: EPA 548.1									
Endothall	<4.1	ug/L	9.0	4.1	1	06/16/14 16:45	06/17/14 13:22		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141945

QC Batch: GCSV/11600

Analysis Method: EPA 531.1

QC Batch Method: EPA 531.1

Analysis Description: 531.1 HPLC Carbamate

Associated Lab Samples: 35141945001

METHOD BLANK: 931282

Matrix: Water

Associated Lab Samples: 35141945001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
3-Hydroxycarbofuran	ug/L	<0.51	2.0	06/18/14 11:35	
Aldicarb	ug/L	<0.70	2.0	06/18/14 11:35	
Aldicarb sulfone	ug/L	<0.60	2.0	06/18/14 11:35	
Aldicarb sulfoxide	ug/L	<0.67	2.0	06/18/14 11:35	
Carbaryl	ug/L	<0.28	2.0	06/18/14 11:35	
Carbofuran	ug/L	<0.75	2.0	06/18/14 11:35	
Methomyl	ug/L	<0.57	2.0	06/18/14 11:35	
Oxamyl	ug/L	<0.47	2.0	06/18/14 11:35	
Propoxur (S)	%	100	80-120	06/18/14 11:35	

LABORATORY CONTROL SAMPLE: 931283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3-Hydroxycarbofuran	ug/L	10	9.9	99	80-120	
Aldicarb	ug/L	10	10.7	107	80-120	
Aldicarb sulfone	ug/L	10	9.6	96	80-120	
Aldicarb sulfoxide	ug/L	10	9.5	95	80-120	
Carbaryl	ug/L	10	9.7	97	80-120	
Carbofuran	ug/L	10	9.4	94	80-120	
Methomyl	ug/L	10	9.5	95	80-120	
Oxamyl	ug/L	10	9.3	93	80-120	
Propoxur (S)	%			92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 931284

931285

Parameter	Units	92205207001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
3-Hydroxycarbofuran	ug/L	ND	10	10	10.4	9.9	104	99	80-120	5	20
Aldicarb	ug/L	ND	10	10	11.4	11.1	114	111	80-120	3	20
Aldicarb sulfone	ug/L	ND	10	10	9.6	10.5	96	105	80-120	9	20
Aldicarb sulfoxide	ug/L	ND	10	10	9.7	10.1	97	101	80-120	4	20
Carbaryl	ug/L	ND	10	10	10.0	10.0	100	100	80-120	.03	20
Carbofuran	ug/L	ND	10	10	9.7	9.6	97	96	80-120	1	20
Methomyl	ug/L	ND	10	10	9.9	10.0	99	100	80-120	1	20
Oxamyl	ug/L	ND	10	10	10.1	10.3	101	103	80-120	2	20
Propoxur (S)	%						95	98	80-120		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141945

QC Batch:	GCSV/11615	Analysis Method:	EPA 547
QC Batch Method:	EPA 547	Analysis Description:	547 HPLC Glyphosate
Associated Lab Samples:	35141945001		

METHOD BLANK: 932403 Matrix: Water
Associated Lab Samples: 35141945001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Glyphosate	ug/L	<5.4	6.0	06/19/14 10:52	

LABORATORY CONTROL SAMPLE: 932404

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Glyphosate	ug/L	50	56.1	112	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 932405 932406

Parameter	Units	35142159001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Glyphosate	ug/L	5.4U	50	50	53.7	54.2	107	108	80-120	.9 30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 932407 932408

Parameter	Units	35142291001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Glyphosate	ug/L	5.4U	50	50	58.4	53.1	117	106	80-120	10 30	

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141945

QC Batch: OEXT/17779 Analysis Method: EPA 504.1
QC Batch Method: EPA 504.1 Analysis Description: 504 EDB DBCP
Associated Lab Samples: 35141945001

METHOD BLANK: 933211 Matrix: Water
Associated Lab Samples: 35141945001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	<0.0049	0.020	06/20/14 20:05	
1,2-Dibromoethane (EDB)	ug/L	<0.0062	0.010	06/20/14 20:05	

LABORATORY CONTROL SAMPLE & LCSD: 933212

		933213								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.25	0.25	101	100	70-130	.9	40	
1,2-Dibromoethane (EDB)	ug/L	.25	0.26	0.26	105	105	70-130	.3	40	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 933214

		933215										
Parameter	Units	92205207001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	ND	.44	.44	0.48	0.45	110	103	65-135	7	40	
1,2-Dibromoethane (EDB)	ug/L	ND	.44	.44	0.50	0.48	113	109	65-135	4	40	

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141945

QC Batch:	OEXT/17723	Analysis Method:	EPA 508.1
QC Batch Method:	EPA 508.1	Analysis Description:	508 GCS Pesticide
Associated Lab Samples:	35141945001		

METHOD BLANK: 929833 Matrix: Water
Associated Lab Samples: 35141945001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alachlor	ug/L	<0.034	0.20	06/17/14 21:57	
Atrazine	ug/L	<0.021	0.10	06/17/14 21:57	
Butachlor	ug/L	<0.015	0.10	06/17/14 21:57	
Chlordane (Technical)	ug/L	<0.047	0.20	06/17/14 21:57	
Dieldrin	ug/L	<0.014	0.10	06/17/14 21:57	
Endrin	ug/L	<0.0020	0.010	06/17/14 21:57	
gamma-BHC (Lindane)	ug/L	<0.0030	0.020	06/17/14 21:57	
Heptachlor	ug/L	<0.0060	0.040	06/17/14 21:57	
Heptachlor epoxide	ug/L	<0.0030	0.020	06/17/14 21:57	
Hexachlorobenzene	ug/L	<0.011	0.10	06/17/14 21:57	
Hexachlorocyclopentadiene	ug/L	<0.032	0.10	06/17/14 21:57	
Methoxychlor	ug/L	<0.014	0.10	06/17/14 21:57	
Metolachlor	ug/L	<0.011	0.10	06/17/14 21:57	
PCB, Total	ug/L	<0.080	0.10	06/17/14 21:57	
Propachlor	ug/L	<0.010	0.10	06/17/14 21:57	
Simazine	ug/L	<0.044	0.070	06/17/14 21:57	
Toxaphene	ug/L	<0.61	1.0	06/17/14 21:57	
Decachlorobiphenyl (S)	%	99	70-130	06/17/14 21:57	

LABORATORY CONTROL SAMPLE: 929834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alachlor	ug/L	1	1.1	109	70-130	
Atrazine	ug/L	1.2	1.3	104	70-130	
Butachlor	ug/L	.5	0.54	108	70-130	
Dieldrin	ug/L	.5	0.56	113	70-130	
Endrin	ug/L	.05	0.060	121	70-130	
gamma-BHC (Lindane)	ug/L	.1	0.10	103	70-130	
Heptachlor	ug/L	.2	0.21	106	70-130	
Heptachlor epoxide	ug/L	.1	0.11	108	70-130	
Hexachlorobenzene	ug/L	.5	0.49	98	70-130	
Hexachlorocyclopentadiene	ug/L	.5	0.43	85	70-130	
Methoxychlor	ug/L	.5	0.57	115	70-130	
Metolachlor	ug/L	.5	0.53	105	70-130	
Propachlor	ug/L	.5	0.52	104	70-130	
Simazine	ug/L	.88	0.95	108	70-130	
Decachlorobiphenyl (S)	%			89	70-130	

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141945

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 930866 930867												
Parameter	Units	5099103001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
Alachlor	ug/L	ND	2	2	2.2	2.2	112	112	70-130	.03	40	
Atrazine	ug/L	ND	2.5	2.5	2.6	2.6	105	103	70-130	2	40	
Butachlor	ug/L	ND	1	1	1.1	1.1	110	111	70-130	.6	40	
Dieldrin	ug/L	ND	1	1	1.1	1.2	115	116	70-130	.6	40	
Endrin	ug/L	ND	.1	.1	0.12	0.12	121	123	70-130	2	40	
gamma-BHC (Lindane)	ug/L	ND	.2	.2	0.21	0.21	106	107	70-130	1	40	
Heptachlor	ug/L	ND	.4	.4	0.43	0.43	107	109	70-130	2	40	
Heptachlor epoxide	ug/L	ND	.2	.2	0.22	0.22	111	112	70-130	.8	40	
Hexachlorobenzene	ug/L	ND	1	1	0.99	1.0	99	101	70-130	2	40	
Hexachlorocyclopentadiene	ug/L	ND	1	1	0.92	1.0	92	102	70-130	10	40	
Methoxychlor	ug/L	ND	1	1	1.2	1.2	122	123	70-130	1	40	
Metolachlor	ug/L	ND	1	1	1.1	1.1	108	109	70-130	1	40	
Propachlor	ug/L	ND	1	1	1.1	1.1	106	107	70-130	.6	40	
Simazine	ug/L	ND	1.8	1.8	1.7	1.7	97	94	70-130	2	40	
Decachlorobiphenyl (S)	%						108	101	70-130		40	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141945

QC Batch: OEXT/17752

Analysis Method: EPA 515.3

QC Batch Method: EPA 515.3

Analysis Description: 5153 GCS Herbicides

Associated Lab Samples: 35141945001

METHOD BLANK: 931619

Matrix: Water

Associated Lab Samples: 35141945001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	ug/L	<0.16	0.20	06/20/14 00:10	
2,4-D	ug/L	<0.081	0.10	06/20/14 00:10	
Dalapon	ug/L	<0.89	1.0	06/20/14 00:10	
Dicamba	ug/L	<0.067	0.10	06/20/14 00:10	
Dinoseb	ug/L	<0.16	0.20	06/20/14 00:10	
Pentachlorophenol	ug/L	<0.030	0.040	06/20/14 00:10	
Picloram	ug/L	<0.094	0.10	06/20/14 00:10	
2,4-DCAA (S)	%	105	70-130	06/20/14 00:10	

LABORATORY CONTROL SAMPLE: 931620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	ug/L	1	1.1	108	70-130	
2,4-D	ug/L	.5	0.51	103	70-130	
Dalapon	ug/L	5	5.7	114	70-130	
Dicamba	ug/L	.5	0.66	131	70-130 L0	
Dinoseb	ug/L	1	1.2	118	70-130	
Pentachlorophenol	ug/L	.2	0.24	118	70-130	
Picloram	ug/L	.5	0.42	83	70-130	
2,4-DCAA (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 932344

932345

Parameter	Units	92205585001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2,4,5-TP (Silvex)	ug/L	ND	1	1	0.84	0.83	84	83	70-130	1	40
2,4-D	ug/L	ND	.5	.5	0.38	0.44	75	87	70-130	14	40
Dalapon	ug/L	ND	5	5	5.1	5.0	102	100	70-130	2	40
Dicamba	ug/L	ND	.5	.5	0.61	0.58	122	115	70-130	6	40
Dinoseb	ug/L	ND	1	1	1.2	1.1	115	107	70-130	8	40
Pentachlorophenol	ug/L	ND	.2	.2	0.21	0.21	106	106	70-130	.7	40
Picloram	ug/L	ND	.5	.5	0.40	0.42	80	85	70-130	6	40
2,4-DCAA (S)	%						83	77	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141945

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 932346											
932347											
Parameter	Units	35142030001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2,4,5-TP (Silvex)	ug/L	0.16U	1	1	0.80	0.87	80	87	70-130	8	40
2,4-D	ug/L	0.081U	.5	.5	0.38	0.38	76	75	70-130	.3	40
Dalapon	ug/L	0.89U	5	5	5.1	5.4	101	108	70-130	6	40
Dicamba	ug/L	0.067U	.5	.5	0.62	0.65	123	130	70-130	6	40
Dinoseb	ug/L	0.16U	1	1	1.0	1.1	102	113	70-130	11	40
Pentachlorophenol	ug/L	0.030U	.2	.2	0.21	0.23	102	113	70-130	9	40
Picloram	ug/L	0.094U	.5	.5	0.42	0.44	83	88	70-130	6	40
2,4-DCAA (S)	%						83	85	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141945

QC Batch: OEXT/17743 Analysis Method: EPA 525.2
QC Batch Method: EPA 525.2 Analysis Description: 525.2 Base Neutral Extractables
Associated Lab Samples: 35141945001

METHOD BLANK: 930864 Matrix: Water
Associated Lab Samples: 35141945001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aldrin	ug/L	<0.036	0.10	06/19/14 16:07	
Benzo(a)pyrene	ug/L	<0.019	0.10	06/19/14 16:07	
bis(2-Ethylhexyl)adipate	ug/L	<0.38	1.6	06/19/14 16:07	
bis(2-Ethylhexyl)phthalate	ug/L	<0.50	2.0	06/19/14 16:07	
Metribuzin	ug/L	<0.031	0.30	06/19/14 16:07	
1,3-Dimethyl-2-nitrobenzene(S)	%	122	70-130	06/19/14 16:07	
Perylene-d12 (S)	%	111	70-130	06/19/14 16:07	
Triphenylphosphate (S)	%	107	70-130	06/19/14 16:07	

LABORATORY CONTROL SAMPLE: 930865

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aldrin	ug/L	.4	0.36	91	70-130	
Benzo(a)pyrene	ug/L	.4	0.46	114	70-130	
bis(2-Ethylhexyl)adipate	ug/L	6.4	6.7	105	70-130	
bis(2-Ethylhexyl)phthalate	ug/L	8	7.7	96	70-130	
Metribuzin	ug/L	1.2	1.1	88	70-130	
1,3-Dimethyl-2-nitrobenzene(S)	%			106	70-130	
Perylene-d12 (S)	%			116	70-130	
Triphenylphosphate (S)	%			114	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 931209 931210

Parameter	Units	35141563001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Aldrin	ug/L	<0.034	.8	.8	0.76	0.66	95	82	70-130	14	40
Benzo(a)pyrene	ug/L	<0.018	.8	.8	0.83	0.83	104	104	70-130	.2	40
bis(2-Ethylhexyl)adipate	ug/L	<0.36	12.8	12.8	14.7	14.5	115	113	70-130	1	40
bis(2-Ethylhexyl)phthalate	ug/L	<0.47	16	16	16.4	16.7	101	103	70-130	2	40
Metribuzin	ug/L	<0.029	2.4	2.4	2.2	2.2	90	91	70-130	.2	40
1,3-Dimethyl-2-nitrobenzene(S)	%						109	115	70-130		
Perylene-d12 (S)	%						106	108	70-130		
Triphenylphosphate (S)	%						111	107	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141945

QC Batch:	OEXT/17714	Analysis Method:	EPA 548.1
QC Batch Method:	EPA 548.1	Analysis Description:	548 GCS Endothall
Associated Lab Samples:	35141945001		

METHOD BLANK: 929663 Matrix: Water
Associated Lab Samples: 35141945001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Endothall	ug/L	<4.1	9.0	06/17/14 07:28	

LABORATORY CONTROL SAMPLE: 929664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endothall	ug/L	50	57.0	114	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 929879 929880

Parameter	Units	35141528001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Endothall	ug/L	4.1U	50	50	47.6	54.3	95	109	80-120	13	40

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 929881 929882

Parameter	Units	35141901008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Endothall	ug/L	<4.1	50	50	<4.1	10.5	0	21	80-120	40	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141945

QC Batch:	OEXT/17715	Analysis Method:	EPA 549.2
QC Batch Method:	EPA 549.2	Analysis Description:	549 HPLC Paraquat Diquat
Associated Lab Samples:	35141945001		

METHOD BLANK: 929666 Matrix: Water
Associated Lab Samples: 35141945001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diquat	ug/L	<0.15	0.40	06/18/14 11:48	

LABORATORY CONTROL SAMPLE: 929667

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diquat	ug/L	2	1.9	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 929668 929669

Parameter	Units	35142053001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diquat	ug/L	0.00015 U mg/L	2	2	1.5	<0.15	77	0	80-120	30	M1	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 42001269

Pace Project No.: 35141945

Sample: Silo Ridge Well 2 **Lab ID: 35141945001** Collected: 06/12/14 09:30 Received: 06/13/14 11:10 Matrix: Drinking Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radon	SM 7500Rn-B	1074 ± 76.6 (67.4) C:NA T:NA	pCi/L	06/16/14 17:36	10043-92-2	
Gross Alpha	EPA 900.0	1.66 ± 0.685 (0.983) C:NA T:NA	pCi/L	06/28/14 16:54	12587-46-1	
Gross Beta	EPA 900.0	2.68 ± 0.683 (1.06) C:NA T:NA	pCi/L	06/28/14 16:54	12587-47-2	
Radium-226	EPA 903.1	1.27 ± 0.709 (0.850) C:NA T:86%	pCi/L	06/27/14 10:50	13982-63-3	
Radium-228	EPA 904.0	0.789U ± 0.411 (0.789) C:72% T:90%	pCi/L	06/30/14 15:19	15262-20-1	
Total Uranium	ASTM D5174.97	0.472 ± 0.011 (0.193) C:NA T:NA	ug/L	07/02/14 15:15	7440-61-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141945

QC Batch:	RADC/20294	Analysis Method:	ASTM D5174.97
QC Batch Method:	ASTM D5174.97	Analysis Description:	D5174.97 Total Uranium KPA
Associated Lab Samples:	35141945001		

METHOD BLANK:	748659	Matrix:	Water
Associated Lab Samples:			

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.046 ± 0.001 (0.193) C:NA T:NA	ug/L	07/02/14 14:26	

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141945

QC Batch: RADC/20273

Analysis Method: EPA 900.0

QC Batch Method: EPA 900.0

Analysis Description: 900.0 Gross Alpha/Beta

Associated Lab Samples: 35141945001

METHOD BLANK: 747925

Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.099 ± 0.607 (1.60) C:NA T:NA	pCi/L	06/28/14 16:59	
Gross Beta	0.308 ± 0.729 (1.69) C:NA T:NA	pCi/L	06/28/14 16:59	

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REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141945

QC Batch:	RADC/20226	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
Associated Lab Samples:	35141945001		

METHOD BLANK:	746949	Matrix:	Water
Associated Lab Samples:			

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.308 ± 0.599 (0.988) C:NA T:90%	pCi/L	06/27/14 11:16	

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141945

QC Batch:	RADC/20292	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
Associated Lab Samples:	35141945001		

METHOD BLANK:	748657	Matrix:	Water
Associated Lab Samples:			

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.355 ± 0.371 (0.767) C:68% T:90%	pCi/L	06/30/14 15:20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141945

QC Batch: RADC/20156

Analysis Method: SM 7500Rn-B

QC Batch Method: SM 7500Rn-B

Analysis Description: 7500Rn B Radon

Associated Lab Samples: 35141945001

METHOD BLANK: 743558

Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radon	6.2 ± 17.9 (30.7) C:NA T:NA	pCi/L	06/16/14 16:38	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 42001269

Pace Project No.: 35141945

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

PASI-PA Pace Analytical Services - Greensburg

WORKORDER QUALIFIERS

WO: 35141945

[1] Data was corrected on 6/17/2014 by JLK. The report mis-flagged the result as less than the MDC.

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

P4 Sample field preservation does not meet EPA or method recommendations for this analysis.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 42001269


Pace Project No.: 35141945

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35141945001	Silo Ridge Well 2	EPA 504.1	OEXT/17779	EPA 504.1	GCSV/11634
35141945001	Silo Ridge Well 2	EPA 508.1	OEXT/17723	EPA 508.1	GCSV/11592
35141945001	Silo Ridge Well 2	EPA 515.3	OEXT/17752	EPA 515.3	GCSV/11619
35141945001	Silo Ridge Well 2	EPA 531.1	GCSV/11600		
35141945001	Silo Ridge Well 2	EPA 547	GCSV/11615		
35141945001	Silo Ridge Well 2	EPA 549.2	OEXT/17715	EPA 549.2	GCSV/11603
35141945001	Silo Ridge Well 2	EPA 525.2	OEXT/17743	EPA 525.2	MSSV/6345
35141945001	Silo Ridge Well 2	EPA 548.1	OEXT/17714	EPA 548.1	MSSV/6334
35141945001	Silo Ridge Well 2	SM 7500Rn-B	RADC/20156		
35141945001	Silo Ridge Well 2	EPA 900.0	RADC/20273		
35141945001	Silo Ridge Well 2	EPA 903.1	RADC/20226		
35141945001	Silo Ridge Well 2	EPA 904.0	RADC/20292		
35141945001	Silo Ridge Well 2	ASTM D5174.97	RADC/20294		

REPORT OF LABORATORY ANALYSIS

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Page 25 of 32

	Document Name:	Document Revised:
	Sample Condition Upon Receipt Form	October 9, 2013
	Document No.: F-FL-C-007 rev. 05	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

10F3 Client Name: EnviroTest Project # 35141945

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace

☐ Other _____

Tracking # 7702 8607 2197 / 3057

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals Intact: ☐ yes ☐ no

Date and Initials of person examining contents: 6/13/14

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T-168 Type of Ice: Wet Blue None

1110

Cooler Temperature °C 1.4 (Visual) -0.1 (Correction Factor) 1.3 (Actual)

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen?

☐ Yes ☐ No

Receipt of samples satisfactory:

☐ Yes ☒ No

Rush TAT requested on COC:

If yes, then all conditions below were met:

If no, then mark box & describe issue (use comments area if necessary):

Chain of Custody Present	<input type="checkbox"/>
Chain of Custody Filled Out	<input checked="" type="checkbox"/> <u>received Dixon but not on COC</u>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
	No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>6mm):	<input type="checkbox"/>

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____

Date: _____

Finished Product Information Only

F.P. Sample ID: _____

Size & Qty of Bottles Received

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

☐ x 5 Gal
☐ x 2.5 Gal
☐ x 1 Gal
☐ x 1 Liter
☐ x 500 mL
☐ x 250 mL
☐ x Other: _____

Extra Sample in Shed: Yes No

Report Prepared for:

Client Services
PASI Florida
8 East Tower Circle
Ormond Beach FL 32174

**REPORT OF
LABORATORY
ANALYSIS FOR
2,3,7,8-TCDD**

Report Summary:

Report Prepared Date:

June 26, 2014

Report Information:

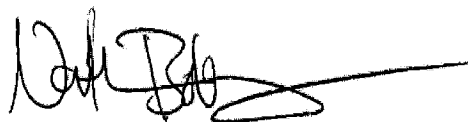
Pace Project #: 10270954
Sample Receipt Date: 06/17/2014
Client Project #: 35141945
Client Sub PO #: N/A
State Cert #: E87605

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 Drinking Water Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to , your Pace Project Manager.

This report has been reviewed by:



June 26, 2014

Nate Boberg, Project Manager

(612) 607-6444 (fax)
nate.boberg@pacelabs.com



Report of Laboratory Analysis

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The results relate only to the samples included in this report.



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Minnesota	027-053-137
Alabama	40770	Mississippi	MN00064
Alaska	MN00064	Montana	92
Arizona	AZ0014	Nebraska	
Arkansas	88-0680	Nevada	MN_00064_200
California	01155CA	New Jersey (NE)	MN002
Colorado	MN00064	New York (NEL)	11647
Connecticut	PH-0256	North Carolina	27700
EPA Region 8	8TMS-Q	North Dakota	R-036
Florida (NELAP)	E87605	Ohio	4150
Georgia (DNR)	959	Oklahoma	D9922
Guam	959	Oregon (ELAP)	MN200001-005
Hawaii	SLD	Oregon (OREL)	MN300001-001
Idaho	MN00064	Pennsylvania	68-00563
Illinois	200012	Puerto Rico	MN00064
Indiana	C-MN-01	Saipan	MP0003
Indiana	C-MN-01	South Carolina	74003001
Iowa	368	Texas	T104704192-08
Kansas	E-10167	Utah (NELAP)	MN00064
Kentucky	90062	Virginia	00251
Louisiana	03086	Washington	C755
Maine	2007029	West Virginia	9952C
Maryland	322	Wisconsin	999407970
Michigan	9909	Wyoming	8TMS-Q

REPORT OF LABORATORY ANALYSIS

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Reporting Flags

- A = Reporting Limit based on signal to noise
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- I = Interference present
- J = Estimated value
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs
- * = See Discussion

REPORT OF LABORATORY ANALYSIS

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10270954

Chain of Custody




Workorder: 35141945 Workorder Name 42001269 Owner Received Date: 6/13/2014 Results Requested By: 6/27/2014


Report To		Subcontract To		Requested Analysis	
Bo Garcia Pace Analytical Services, Inc. 8 East Tower Circle Ormond Beach, FL 32174 Phone (386)672-5668 Fax (386)672-5668		Pace Analytical Minnesota 1700 Elm Street SE Suite 200 Minneapolis, MN 55414 Phone (612)607-1700		2,3,7,8 Dioxin by 1613	
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix
1	Silo Ridge Well 2	PS	6/12/2014 09:30	35141945001	Drinking
2					
3					
4					
5					

Transfers	Released By	Date/Time	Received By	Date/Time
1	SB	6/16/14 16:00	Dot Pace	6/17/14 9:00
2				
3				

Cooler Temperature on Receipt	4.9 °C	Custody Seal	Y or N	Received on Ice	Y or N	Samples Intact	Y or N

Please E-Mail all results in a
NELAC-compliant Florida MDL
PDF format to the PM listed above
as soon as possible

	Document Name: Sample Condition Upon Receipt Form	Document Revised: 28Feb2014 Page 1 of 1
	Document No.: F-MN-L-213-rev.09	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt Courier: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Client <input type="checkbox"/> Commercial <input type="checkbox"/> Pace <input type="checkbox"/> SpeedDee <input type="checkbox"/> Other: _____ Tracking Number: 6081 9628 2182	Client Name: Pace FL Project #: WO# : 10270954 
---	---

Custody Seal on Cooler/Box Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Packing Material: <input type="checkbox"/> Bubble Wrap <input checked="" type="checkbox"/> Bubble Bags <input type="checkbox"/> None <input type="checkbox"/> Other: _____ Thermom. Used: <input type="checkbox"/> B88A9130516413 <input checked="" type="checkbox"/> B88A912167504 <input checked="" type="checkbox"/> B88A9132521491 Cooler Temp Read (°C): 4.3 Temp should be above freezing to 6°C	Seals Intact? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Type of Ice: <input checked="" type="checkbox"/> Wet <input type="checkbox"/> Blue <input type="checkbox"/> None Cooler Temp Corrected (°C): 4.4 Correction Factor: 10.1	Optional: Proj. Due Date: _____ Proj. Name: _____ Temp Blank? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Biological Tissue Frozen? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Date and Initials of Person Examining Contents: _____
---	---	---

			Comments:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	N/A	3.
Sampler Name and/or Signature on COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	N/A	10.
Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A	11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	N/A	12.
-Includes Date/Time/ID/Analysis Matrix: WT			
All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH>9 Sulfide, NaOH>12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A	Sample #
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A	14.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A	15.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	N/A	
Pace Trip Blank Lot # (if purchased):			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review:

Date: **6-17-14**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Drinking Water Analysis Results
2,3,7,8-TCDD -- USEPA Method 1613B

Tel: 612-607-1700
Fax: 612-607-6444

Sample ID.....Silo Ridge Well 2
Client.....PASI Florida
Lab Sample ID.....35141945001

Date Collected.....06/12/2014
Date Received.....06/17/2014
Date Extracted.....06/24/2014

	Sample Silo Ridge Well 2	Method Blank	Lab Spike	Lab Spike Dup
[2,3,7,8-TCDD]	ND	ND	--	--
RL	3.8 pg/L	4.6 pg/L	--	--
2,3,7,8-TCDD Recovery	--	--	96%	90%
Spike Recovery Limit	--	--	73-146%	73-146%
RPD			6.9%	
IS Recovery	94%	74%	82%	80%
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	90%	83%	96%	85%
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	R140625A_23	R140625A_10	R140625A_08	R140625A_12
Analysis Date	06/25/2014	06/25/2014	06/25/2014	06/25/2014
Analysis Time	22:58	16:00	15:09	16:43
Analyst	CVS	CVS	CVS	CVS
Volume	1.017L	1.021L	1.033L	0.998L
Dilution	NA	NA	NA	NA
ICAL Date	07/19/2013	07/19/2013	07/19/2013	07/19/2013
CCAL Filename	R140625A_05	R140625A_05	R140625A_05	R140625A_05

! = Outside the Control Limits
ND = Not Detected
RL = Reporting Limit
Limits = Control Limits from Method 1613 (10/94 Revision), Tables 6A and 7A
RPD = Relative Percent Difference of Lab Spike Recoveries
IS = Internal Standard [2,3,7,8-TCDD-¹³C₁₂]
CS = Cleanup Standard [2,3,7,8-TCDD-³⁷Cl₄]

Analyst: Chuck Sauer

Project No.....10270954

Page 32 of 32

WELL 11
WATER QUALITY

ANALYTICAL REPORT

Job Number: 420-78776-1

SDG Number: Silo Ridge

Job Description: LBG, Inc.

For:

Leggette, Brashears & Graham, Inc.

4 Research Drive

Shelton, CT 06464

Attention: Stacy Stieber



Debra Bayer

Customer Service Manager

dbayer@envirotestlaboratories.com

07/24/2014

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

METHOD SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

SDG Number: Silo Ridge

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Nitrate-Nitrite Lachat	EnvTest	QuickChem 10-107-04-1C	
ICP Metals by 200.7	EnvTest	EPA 200.7 Rev 4.4	
Sample Filtration	EnvTest		FILTRATION
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Total Metals Digestion for 200.7	EnvTest		EPA 200.7
ICPMS Metals by 200.8	EnvTest	EPA 200.8	
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Total Metals Digestion for 200.8	EnvTest		EPA 200.8
Apparent Color	EnvTest	SM21 2120B	
Mercury in Water by CVAA	EnvTest	EPA 245.1	
Digestion for CVAA Mercury in Waters	EnvTest		EPA 245.1
Anions by Ion Chromatography	EnvTest	MCAWW 300.0	
EPA 504.1 EDB	Pace	EPA 504.1	
EPA 505 Pesticide/PCB	Pace	EPA 505	
Purgeable Organic Compounds in Water by GC/MS	EnvTest	EPA-DW 524.2	
EPA 525.2 Semivolatile Organics	Pace	EPA 525.2	
EPA 531.1 Carbamate Pesticides in Drinki	Pace	EPA 531.1	
EPA 900 Series GA/GB/RA226/RA228/Gamma	Pace	EPA 900	
Uranium	Pace	STL-STL EPA	
Heterotropic Plate Count	EnvTest	IDEXX SIMPLATE	
Turbidity	EnvTest	SM20 SM 2130B	
Odor, Threshold Test	EnvTest	SM20 SM 2150B	
Alkalinity, Titration Method	EnvTest	SM18 SM 2320B	
Corrosivity LSI Calculation	EnvTest	SM20 SM 2330B	
Hardness by Calculation	EnvTest	SM20 SM 2340B	
Total Dissolved Solids (Dried at 180 °C)	EnvTest	SM18 SM 2540C	
Chloride by Silver Nitrate Titration	EnvTest	SM18 SM 4500 Cl- B	
Cyanide, Total: Colorimetric Method	EnvTest	SM18 SM 4500 CN E	
Cyanide: Distillation	EnvTest		SM18 SM 4500 CN C
pH	EnvTest	SM19 SM 4500 H+ B	
Sulfide (Methylene Blue method)	EnvTest	SM20 SM 4500 S2 D	
Nitrite by Colormetric	EnvTest	SM20 SM 4500B	
Total Coliform and Escherichia coli by Colilert - Presence/Absence	EnvTest	SMWW SM 9223	
General Sub Contract Method	Env.Assoc.	Subcontract	

EnviroTest Laboratories, Inc.

METHOD SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

SDG Number: Silo Ridge

Description	Lab Location	Method	Preparation Method
Matrix: Water			
General Sub Contract Method	Pace	Subcontract	

Lab References:

Env.Assoc. = Environmental Associates

EnvTest = EnviroTest

Pace = Pace Analytical - Ormond Beach

Method References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

IDEXX =

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

QuickChem = Lachat QuickChem Manual

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SM19 = "Standard Methods For The Examination Of Water And Wastewater", 19Th Edition, 1995."

SM20. = "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."

SM21 = "Standard Methods For The Examination Of Water And Wastewater", 21st Edition

SMWW = "Standard Methods for the Examination of Water and Wastewater"

STL-STL = Severn Trent Laboratories, St. Louis, Facility Standard Operating Procedure.

METHOD / ANALYST SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

SDG Number: Silo Ridge

Method	Analyst	Analyst ID
EPA-DW 524.2	Andersen, Eric C	ECA
EPA 200.7 Rev 4.4	McPhillips, Julie	JM
EPA 200.8	McPhillips, Julie	JM
EPA 245.1	McPhillips, Julie	JM
SM20 SM 2340B	McPhillips, Julie	JM
QuickChem 10-107-04-1C	Cusack, Renee	RC
SM21 2120B	Luis, Carlos	CL
MCAWW 300.0	Ulanmo, RoseAnn	RU
IDEXX SIMPLATE	Luis, Carlos	CL
SM20 SM 2130B	Luis, Carlos	CL
SM20 SM 2150B	Luis, Carlos	CL
SM18 SM 2320B	Goldstein, Amy	AG
SM20 SM 2330B	Pistole, Maria	MP
SM18 SM 2540C	Travis, Lyndsey	LT
SM18 SM 4500 Cl- B	Goldstein, Amy	AG
SM18 SM 4500 CN E	Cusack, Renee	RC
SM19 SM 4500 H+ B	Luis, Carlos	CL
SM20 SM 4500 S2 D	Goldstein, Amy	AG
SM20 SM 4500B	Ulanmo, RoseAnn	RU
SMWW SM 9223	Luis, Carlos	CL

SAMPLE SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1
SDG Number: Silo Ridge

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-78776-1	Silo Ridge Well 11	Drinking Water	06/12/2014 1045	06/12/2014 1320

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 11

Lab Sample ID: 420-78776-1

Date Sampled: 06/12/2014 1045

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

524.2 Purgeable Organic Compounds in Water by GC/MS

Method: 524.2

Analysis Batch: 420-76303

Instrument ID: Agilent 7890A/5975C

Preparation: N/A

Lab File ID: X061221.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 06/12/2014 1855

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<0.500		0.500
1,1,1-Trichloroethane	<0.500		0.500
1,1,2,2-Tetrachloroethane	<0.500		0.500
1,1,2-Trichloroethane	<0.500		0.500
1,1-Dichloroethane	<0.500		0.500
1,1-Dichloroethene	<0.500		0.500
1,1-Dichloropropene	<0.500		0.500
1,2,3-Trichlorobenzene	<0.500		0.500
1,2,3-Trichloropropane	<0.500		0.500
1,2,4-Trichlorobenzene	<0.500		0.500
1,2,4-Trimethylbenzene	<0.500		0.500
1,2-Dichloroethane	<0.500		0.500
1,2-Dichlorobenzene	<0.500		0.500
1,2-Dichloropropane	<0.500		0.500
1,3-Dichloropropane	<0.500		0.500
1,4-Dichlorobenzene	<0.500		0.500
2,2-Dichloropropane	<0.500	*	0.500
Benzene	<0.500		0.500
Bromobenzene	<0.500		0.500
Bromochloromethane	<0.500		0.500
Bromomethane	<0.500		0.500
n-Butylbenzene	<0.500		0.500
cis-1,2-Dichloroethene	<0.500		0.500
cis-1,3-Dichloropropene	<0.500		0.500
Carbon tetrachloride	<0.500		0.500
Chlorobenzene	<0.500		0.500
Chloroethane	<0.500		0.500
Chloromethane	<0.500		0.500
Dibromomethane	<0.500		0.500
Ethylbenzene	<0.500		0.500
Dichlorodifluoromethane	<0.500		0.500
Hexachlorobutadiene	<0.500		0.500
Isopropylbenzene	<0.500		0.500
p-Isopropyltoluene	<0.500		0.500
Methylene Chloride	<0.500		0.500
m-Xylene & p-Xylene	<0.500		0.500
Methyl tert-butyl ether	<0.500		0.500
o-Xylene	<0.500		0.500
Tetrachloroethene	<0.500		0.500
Toluene	<0.500		0.500
trans-1,2-Dichloroethene	<0.500		0.500
trans-1,3-Dichloropropene	<0.500		0.500
Trichloroethene	<0.500		0.500
tert-Butylbenzene	<0.500		0.500

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 11

Lab Sample ID: 420-78776-1

Date Sampled: 06/12/2014 1045

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

524.2 Purgeable Organic Compounds in Water by GC/MS

Method: 524.2

Analysis Batch: 420-76303

Instrument ID: Agilent 7890A/5975C

Preparation: N/A

Lab File ID: X061221.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 06/12/2014 1855

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane	<0.500		0.500
Vinyl chloride	<0.500		0.500
Xylenes, Total	<0.500		0.500
Styrene	<0.500		0.500
sec-Butylbenzene	<0.500		0.500
1,3,5-Trimethylbenzene	<0.500		0.500
N-Propylbenzene	<0.500		0.500
1,3-Dichlorobenzene	<0.500		0.500
2-Chlorotoluene	<0.500		0.500
4-Chlorotoluene	<0.500		0.500
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	106		71 - 120
Toluene-d8 (Surr)	100		79 - 121
1,2-Dichloroethane-d4 (Surr)	94		70 - 128

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 11

Lab Sample ID: 420-78776-1
Client Matrix: Drinking WaterDate Sampled: 06/12/2014 1045
Date Received: 06/12/2014 1320**200.7 Rev 4.4 ICP Metals by 200.7**

Method:	200.7 Rev 4.4	Analysis Batch:	420-76419	Instrument ID:	Thermo ICP
Preparation:	200	Prep Batch:	420-76363	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	mL
Date Analyzed:	06/17/2014 2248			Final Weight/Volume:	mL
Date Prepared:	06/17/2014 0915				

Analyte	Result (ug/L)	Qualifier	RL
Iron	<60.0		60.0
Manganese	167		10.0
Sodium	2980		200
Zinc	207		20.0

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch:	420-76525	Instrument ID:	Thermo ICP
Preparation:	200.7	Prep Batch:	420-76436	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	mL
Date Analyzed:	06/20/2014 1836			Final Weight/Volume:	mL
Date Prepared:	06/19/2014 0921				

Analyte	Result (ug/L)	Qualifier	RL
Iron	<60.0		60.0
Manganese	145		10.0

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 11

Lab Sample ID: 420-78776-1
Client Matrix: Drinking WaterDate Sampled: 06/12/2014 1045
Date Received: 06/12/2014 1320**200.8 ICPMS Metals by 200.8**

Method:	200.8	Analysis Batch:	420-76383	Instrument ID:	Perkin Elmer ELAN
Preparation:	200	Prep Batch:	420-76363	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	mL
Date Analyzed:	06/17/2014 1447			Final Weight/Volume:	mL
Date Prepared:	06/17/2014 0915				

Analyte	Result (ug/L)	Qualifier	RL
Lead	<1.00		1.00
Arsenic	<1.40		1.40
Beryllium	<0.300		0.300
Cadmium	<1.00		1.00
Chromium	<7.00		7.00
Nickel	2.43		0.500
Antimony	<0.400		0.400
Thallium	<0.300		0.300
Barium	<2.00		2.00
Selenium	<2.00		2.00

Method:	200.8	Analysis Batch:	420-76626	Instrument ID:	Perkin Elmer ELAN
Preparation:	200.8	Prep Batch:	420-76568	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/24/2014 1736			Final Weight/Volume:	50 mL
Date Prepared:	06/23/2014 1251				

Analyte	Result (ug/L)	Qualifier	RL
Silver	<1.00		1.00

245.1 Mercury in Water by CVAA

Method:	245.1	Analysis Batch:	420-76473	Instrument ID:	Perkin Elmer FIMS
Preparation:	245.1	Prep Batch:	420-76463	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/19/2014 1629			Final Weight/Volume:	25 mL
Date Prepared:	06/19/2014 1320				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	<0.200		0.200

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 11

Lab Sample ID: 420-78776-1

Date Sampled: 06/12/2014 1045

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

SM 2340B Hardness by Calculation

Method: SM 2340B

Analysis Batch: 420-76423

Instrument ID: None

Preparation: N/A

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume:

Date Analyzed: 06/17/2014 2248

Final Weight/Volume:

Date Prepared: N/A

Analyte	Result (mg/L)	Qualifier	RL
Calcium hardness as calcium carbonate	65.0		1.25

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

Sdg Number: Silo Ridge

Biology**Client Sample ID:** Silo Ridge Well 11

Lab Sample ID: 420-78776-1

Date Sampled: 06/12/2014 1045

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	Dil	Method
Coliform, Total	Present	g	CFU/100mL	1.0	SM 9223
	Only Batch: 420-76274	Date Analyzed	06/12/2014 1743		
Escherichia coli	Absent		CFU/100mL	1.0	SM 9223
	Only Batch: 420-76274	Date Analyzed	06/12/2014 1743		

Analyte	Result	Qual	Units	RL	Dil	Method
Heterotrophic Plate Count	6.00		CFU/mL	2.00	1.0	SIMPLATE
	Only Batch: 420-76296	Date Analyzed	06/12/2014 1415			

General Chemistry

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

Sdg Number: Silo Ridge

General Chemistry

Client Sample ID: Silo Ridge Well 11

Lab Sample ID: 420-78776-1

Date Sampled: 06/12/2014 1045

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	Dil	Method
Langelier Index	-0.900		NONE	1.0	SM 2330B
	Any Batch: 420-76656	Date Analyzed	06/25/2014 1543		

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

Sdg Number: Silo Ridge

General Chemistry**Client Sample ID: Silo Ridge Well 11**

Lab Sample ID: 420-78776-1

Date Sampled: 06/12/2014 1045

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	RL	Dil	Method
Nitrate Nitrite as N	0.0627		mg/L	0.0100	1.0	10-107-04-1C
	Any Batch: 420-76347	Date Analyzed	06/16/2014 1408			
Alkalinity	69.7		mg/L	5.00	1.0	SM 2320B
	Any Batch: 420-76413	Date Analyzed	06/17/2014 0940			
Total Dissolved Solids	142		mg/L	5.00	1.0	SM 2540C
	Any Batch: 420-76437	Date Analyzed	06/18/2014 1545			
Sulfate	24.6		mg/L	5.00	1.0	300.0
	Any Batch: 420-76381	Date Analyzed	06/16/2014 1244			
Fluoride	<0.500		mg/L	0.500	1.0	300.0
	Any Batch: 420-76381	Date Analyzed	06/16/2014 1244			
Chloride	<5.00		mg/L	5.00	1.0	SM 4500 Cl- B
	Any Batch: 420-76576	Date Analyzed	06/23/2014 1541			
Cyanide, Total	<0.00500		mg/L	0.00500	1.0	SM 4500 CN E
	Any Batch: 420-76509	Date Analyzed	06/20/2014 1200			
	Prep Batch: 420-76507	Date Prepared:	06/18/2014 0830			
Apparent Color	2.50		Pt-Co	2.00	1.0	2120B
	Any Batch: 420-76339	Date Analyzed	06/13/2014 1455			
pH@color measurement	7.45		SU	2.00	1.0	2120B
	Any Batch: 420-76339	Date Analyzed	06/13/2014 1455			
Turbidity	0.217		NTU	0.100	1.0	SM 2130B
	Any Batch: 420-76341	Date Analyzed	06/13/2014 1310			
Odor	1.00		T.O.N.	1.00	1.0	SM 2150B
	Any Batch: 420-76340	Date Analyzed	06/13/2014 1400			
Temp @ Odor Measurement	65.0		Degrees C	5.00	1.0	SM 2150B
	Any Batch: 420-76340	Date Analyzed	06/13/2014 1400			
pH	7.45	H	SU	0.200	1.0	SM 4500 H+ B
	Any Batch: 420-76337	Date Analyzed	06/13/2014 1437			
Temp @ pH Measurement	22.4		Degrees C	5.00	1.0	SM 4500 H+ B
	Any Batch: 420-76337	Date Analyzed	06/13/2014 1437			
Nitrite as N	<0.0100		mg/L	0.0100	1.0	SM 4500B
	Any Batch: 420-76396	Date Analyzed	06/12/2014 1640			

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

Sdg Number: Silo Ridge

General Chemistry

Client Sample ID: Silo Ridge Well 11

Lab Sample ID: 420-78776-1

Date Sampled: 06/12/2014 1045

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfide	<0.100		mg/L	0.100	1.0	SM 4500 S2 D
	Anly Batch: 420-76380	Date Analyzed	06/17/2014 1430			

DATA REPORTING QUALIFIERS

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

Sdg Number: Silo Ridge

Lab Section	Qualifier	Description
GC/MS VOA	*	LCS or LCSD exceeds the control limits
General Chemistry	H	Sample was prepped or analyzed beyond the specified holding time
Biology	g	Result fails applicable NYS drinking water standards

Definitions and Glossary

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

Sdg Number: Silo Ridge

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum quantitation levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points

**EnviroTest
Laboratories, Inc.**

REPORT# (Lab Use Only)

EnviroTest Laboratories
315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

1-92286

X

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-1

SDG Number: Silo Ridge

Login Number: 78776

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	1.3 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	False	pH
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



Laboratory Results

for *Giardia* & *Cryptosporidium* Analysis

Page 1 of 2



24 Oak Brook Drive • Ithaca • NY • 14850-8717 • Phone (607) 272-8902 • Fax (607) 256-7092

ACCOUNT No. **EnviroTest Laboratories Inc.**
AD-12701 315 Fullerton Ave.
Newburgh NY 12550

CONTACT
Ms. Joyce Esposito
1 (845) 562-0890 FAX 610 375-4090

EPA# NY01507
FL -E87851
PA-68-04514

P.O. No. 42001269

SAMPLE No. 43193	SAMPLE SITE SILO RIDGE WELL 11	CLIENT IDENTIFICATION 420-78776-T-1
-------------------------	---------------------------------------	--

SAMPLE DATA

FILTER SAMPLE

WATER TYPE: Ground Water (GW) SAMPLE COLLECTOR: Stacy Stieber
DATE COLLECTED DATE/TIME: Jun 12, 2014 10:45 AM AMOUNT COLLECTED: 2.64 gal (10 L)
DATE RECEIVED: Jun 13, 2014 TURBIDITY: na
RECEIPT TEMPERATURE (°C): 3.5 pH: na
ELUTION START DATE/TIME: Jun 14, 2014 7AM FILTER COLOR: Clear Bulk Water
TOTAL VOLUME OF SEDIMENT: 0.1 ML

SAMPLE NOTES

Accepted

Number of Aliquots Examined: 1

ANALYSIS TYPE METHOD EPA 1623 Envirocheck HV G&C

Method Remarks

Method 1623 employs a concentration step (centrifugation, Envirocheck filter or Filta-Max filter), followed by immunomagnetic separation (IMS) and an immunofluorescent stain for *Giardia* and *Cryptosporidium*. Positive and Negative Controls were stained and examined concurrently.

RESULTS

Environmental Associates Ltd. certifies that all quality control elements associated with the above data have been met except as may be noted in the comments section. Results relate only to the sample.

ANALYTE		Cysts Observed	Result per 100L	Result per 1L
<i>Giardia</i>	Empty <i>Giardia</i> Cysts Detected	0	ND	ND
	<i>Giardia</i> Cysts with Amorphous Structure	0	ND	ND
	<i>Giardia</i> Cysts with One Internal Structure	0	ND	ND
	<i>Giardia</i> Cysts with More than One Internal Structure	0	ND	ND
	Total IFA <i>Giardia</i> Count per 100L	0	ND	ND
ANALYTE		Oocysts Observed	Result per 100L	Result per 1L
<i>Cryptosporidium</i>	Empty <i>Cryptosporidium</i> Oocysts Detected	0	ND	ND
	<i>Cryptosporidium</i> Oocysts with Amorphous Structure	0	ND	ND
	<i>Cryptosporidium</i> Oocysts with Internal Structure	0	ND	ND
	Total IFA <i>Cryptosporidium</i> Count per 100L	0	ND	ND
COMMENTS		EQUIVALENT VOLUME EXAMINED: 10L	DETECTION LIMIT PER 100L: <10.00	DETECTION LIMIT PER 1L: <0.100

All limitations of analytical methods, laboratory dilutions, and instruments apply. If there are any questions about this report please contact the person certifying the report at the lab number.

NOTICE: EPA Method 1623 indicates 1 matrix sample is needed for every 20 field samples. Please contact the laboratory for details.

ANALYST Dr. Susan Boutros
ANALYSIS CERTIFIED BY *Susan H. Boutros* President & Lab Director
Dr. Susan Boutros

DATE COMPLETED June 15, 2014

DATE CERTIFIED June 26, 2014



Laboratory Results

for *Giardia* & *Cryptosporidium* Analysis

Page 2 of 2



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ACCOUNT No. **EnviroTest Laboratories Inc.**
AD-12701 315 Fullerton Ave.
Newburgh NY 12550

CONTACT

Ms. Joyce Esposito
1 (845) 562-0890 FAX 610 375-4090

EPA# NY01507
FL -E87851
PA-68-04514

SAMPLE No. 43193

Quality Control data for

Method 1623

Cryptosporidium and Giardia in Water by Filtration/IMS/FA (EPA-815-R-05-002)

EAL Quality Control
Serial Number
QCGC-14-15

Materials	Lot Number	Expiration Date
Waterborne™, Inc. - AccuSpike-IR	81	6/23/2014
Dynal Dynabeads GC-Combo	1078998	9/1/2014
AquaGlo GC Direct	803604	1/1/2015

Positive QC Sample

% Sample Examined	Crypto. Spike	Crypto. Count	Crypto. % Recovery
100	100	62	62.0
% Sample Examined	Giardia Spike	Giardia Count	Giardia % Recovery
100	100	74	74.0

Negative QC Sample

% Sample Examined	Crypto. Spike	Crypto. Count	Crypto. % Recovery
100	0	0	----
% Sample Examined	Giardia Spike	Giardia Count	Giardia % Recovery
100	0	0	----

Note:

ENVIRONMENTAL ASSOCIATES LTD.
24 Oak Brook Drive, Ithaca, NY 14850
(607) 272-8902 Fax (607) 256-7092

Page 1 of 1



REPORT: MICROSCOPIC PARTICULATE ANALYSIS

Client: Joyce Esposito
EnviroTest Laboratories Inc.
315 Fullerton Ave.
Newburgh NY 12550

FILTER ID: 43194

Station/Body of water: Silo Ridge Well 11

RECEIPT OF FILTER:

Date Received: 6/13/2014 # of filters: NA Type: bulk sample Carrier: FedEx

COLLECTION:

Collector: Stacy Stieber Date & Time Collected: 6/12/2014 10:45 AM
Temperature: na °F Turbidity: na
Water Type: Ground Water (GW) Date & Time Processed: 6/13/2014 4:00 PM
Date Analyzed: 6/27/2014

FILTER PROCESSING

Color of water around filter: N/A Total volume of sediment: 0.01 ml
Filter color: Clear Bulk Water Volume of sediment/100 gallons: 0.38 ml
Color of sediment: white Phase equivalent gallon volume examined: 2.64
gallons filtered: 2.641

ANALYSIS OF PARTICULATES:

key = (EH) - extremely heavy [>20 /field @ 100X] (H) - heavy [10-20/field @ 100X]
(M) - moderate [4-9/field @ 100X] (R) - rare [<1 -3/field @ 100X] (NF) - none found

PARTICULATE DEBRIS

	Quantity	Description
Large part. 5 μ m & larger	<u>EH</u>	<u>fine silt</u>
Small part. up to 5 μ m	<u>EH</u>	<u>fine amorphous debris</u>
Plant debris	<u>NF</u>	

OTHER ORGANISMS

	Quantity	Description
Nematodes	<u>M</u>	<u>One nematode /10 liter</u>
Nematode eggs	<u>NF</u>	
Rotifers	<u>NF</u>	
Crustaceans	<u>NF</u>	
Crustacean eggs	<u>NF</u>	
Insects	<u>NF</u>	
Other	<u>NF</u>	

PROTOZOANS

	Quantity	Description
Other Coccidia	<u>NF</u>	
Other protozoans	<u>NF</u>	

ALGAE

Green Algae	<u>NF</u>	
Diatoms	<u>NF</u>	
Blue-Green Algae	<u>NF</u>	
Flagellated Algae	<u>NF</u>	

COMMENTS:

The only biological material observed was a single nematode observed in 10 liters = 38/100gallon. Based upon microscopic particulate analysis and the proposed EPA risk factors associated with bio-indicators there is a low risk of surface contamination (EPA risk factors= 0 low risk).

Environmental Associates Ltd. certifies that all quality control elements associated with the above data have been met except as may be noted in the comments section. Results relate only to the sample.

REPORT REVIEWED BY:

Lucan H. Bortus

DATE: June 26, 2014

President & Lab Director

E.A.- Rev. April 3, 2006
E.A.- Rev. Feb 15, 2010

ENVIRONMENTAL ASSOCIATES LTD.

24 Oak Brook Drive, Ithaca, NY 14850
(607) 272-8902 Fax (607) 256-7092

REPORT: MICROSCOPIC PARTICULATE ANALYSIS EPA 910/9-92-029

Page 2 of 2



EAL Sample ID:	Well ID#	Utility Name
43194	Silo Ridge Well 11	EnviroTest Laboratories Inc.

Date: 6/12/2014

EPA Relative Surface Water Risk Factors

Primary Particulates	#/100 gallon	Relative Frequency	Relative Risk Factor	Comments
Diatoms	0	NF	0	
Other Algae	0	NF	0	
Insects/larvae	0	NF	0	
Rotifers	0	NF	0	
Plant Debris (with chloro.)	0	NF	0	
EPA Relative Risk = 0			Low Risk	

Secondary Particulates

Nematodes	38	M	No risk factor assigned.
Crustaceans	0		
Amoeba	0		
Non-photo. flag. & ciliates	0		
Photosynthetic flagellates	0		
Other:	0		

COMMENTS: The only biological material observed was a single nematode observed in 10 liters = 38/100gallon. Based upon microscopic particulate analysis and the proposed EPA risk factors associated with bio-indicators there is a low risk of surface contamination (EPA risk factors= 0 low risk).

REFERENCE: Consensus Method for Determining Groundwaters Under the Direct Influence of Surface Water Using Microscopic Particulate Analysis
(MPA) US EPA Manchester Environmental Laboratory, EPA 910/9-92-029, October 1992.

Environmental Associates Ltd. certifies that all quality control elements associated with the above data have been met except as may be noted in the comments section. Results relate only to the sample.

REPORT REVIEWED BY:

Susan H. Boutros
Dr. Susan Boutros
President & Lab Director

DATE: June 26, 2014

Environmental Associates, Ltd.

July 03, 2014

Ron Bayer
EnviroTest Laboratories Inc.
315 Fullerton Avenue
Newburgh, NY 12550

RE: Project: 42001269
Pace Project No.: 35141932

Dear Ron Bayer:

Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Bo Garcia
bo.garcia@pacelabs.com
Project Manager

Enclosures

cc: Debra Bayer, EnviroTest Laboratories Inc.
Renee Cusack, EnviroTest Laboratories Inc.
Joyce Esposito, EnviroTest Laboratories Inc.
Janine Rader, EnviroTest Laboratories Inc.
Meredith Ruthven, EnviroTest Laboratories Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 42001269
Pace Project No.: 35141932

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601
ACCLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235

Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: PA014572014-4
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 42001269

Pace Project No.: 35141932

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35141932001	Silo Ridge Well 11	Drinking Water	06/12/14 10:45	06/13/14 11:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 42001269
Pace Project No.: 35141932

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35141932001	Silo Ridge Well 11	EPA 504.1	IRL	2	PASI-O
		EPA 508.1	JTJ	18	PASI-O
		EPA 515.3	LJM	8	PASI-O
		EPA 531.1	LAJ	9	PASI-O
		EPA 547	LAJ	1	PASI-O
		EPA 549.2	LAJ	1	PASI-O
		EPA 525.2	WFH	8	PASI-O
		EPA 548.1	EAO	1	PASI-O
		SM 7500Rn-B	FCC	1	PASI-PA
		EPA 900.0	FCC	2	PASI-PA
		EPA 903.1	SLA	1	PASI-PA
		EPA 904.0	JMR	1	PASI-PA
		ASTM D5174.97	RMK	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 42001269

Pace Project No.: 35141932

Sample: Silo Ridge Well 11 **Lab ID:** 35141932001 **Collected:** 06/12/14 10:45 **Received:** 06/13/14 11:10 **Matrix:** Drinking Water
Comments: • Data was corrected on 6/17/2014 by JLK. The report mis-flagged the result as less than the MDC.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
504.1 GCS EDB and DBCP									
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1									
1,2-Dibromo-3-chloropropane	<0.0052	ug/L	0.021	0.0052	1	06/20/14 11:50	06/20/14 23:52	96-12-8	
1,2-Dibromoethane (EDB)	<0.0066	ug/L	0.011	0.0066	1	06/20/14 11:50	06/20/14 23:52	106-93-4	
508.1 GCS Pesticides									
Analytical Method: EPA 508.1 Preparation Method: EPA 508.1									
Alachlor	<0.032	ug/L	0.19	0.032	1	06/18/14 09:30	06/19/14 07:31	15972-60-8	
Atrazine	<0.020	ug/L	0.094	0.020	1	06/18/14 09:30	06/19/14 07:31	1912-24-9	
gamma-BHC (Lindane)	<0.0028	ug/L	0.019	0.0028	1	06/18/14 09:30	06/19/14 07:31	58-89-9	
Butachlor	<0.014	ug/L	0.094	0.014	1	06/18/14 09:30	06/19/14 07:31	23184-66-9	
Chlordane (Technical)	<0.044	ug/L	0.19	0.044	1	06/18/14 09:30	06/19/14 07:31	57-74-9	
Dieldrin	<0.013	ug/L	0.094	0.013	1	06/18/14 09:30	06/19/14 07:31	60-57-1	
Endrin	<0.0019	ug/L	0.0094	0.0019	1	06/18/14 09:30	06/19/14 07:31	72-20-8	
Heptachlor	<0.0056	ug/L	0.037	0.0056	1	06/18/14 09:30	06/19/14 07:31	76-44-8	
Heptachlor epoxide	<0.0028	ug/L	0.019	0.0028	1	06/18/14 09:30	06/19/14 07:31	1024-57-3	
Hexachlorobenzene	<0.010	ug/L	0.094	0.010	1	06/18/14 09:30	06/19/14 07:31	118-74-1	
Hexachlorocyclopentadiene	<0.030	ug/L	0.094	0.030	1	06/18/14 09:30	06/19/14 07:31	77-47-4	
Methoxychlor	<0.013	ug/L	0.094	0.013	1	06/18/14 09:30	06/19/14 07:31	72-43-5	
Metolachlor	<0.010	ug/L	0.094	0.010	1	06/18/14 09:30	06/19/14 07:31	51218-45-2	
PCB, Total	<0.075	ug/L	0.094	0.075	1	06/18/14 09:30	06/19/14 07:31	1336-36-3	
Propachlor	<0.0094	ug/L	0.094	0.0094	1	06/18/14 09:30	06/19/14 07:31	1918-16-7	
Simazine	<0.041	ug/L	0.066	0.041	1	06/18/14 09:30	06/19/14 07:31	122-34-9	
Toxaphene	<0.57	ug/L	0.94	0.57	1	06/18/14 09:30	06/19/14 07:31	8001-35-2	
Surrogates									
Decachlorobiphenyl (S)	103 %		70-130		1	06/18/14 09:30	06/19/14 07:31	2051-24-3	
515.3 Chlorinated Herbicides									
Analytical Method: EPA 515.3 Preparation Method: EPA 515.3									
2,4-D	<0.081	ug/L	0.10	0.081	1	06/19/14 08:00	06/20/14 06:54	94-75-7	
Dalapon	<0.89	ug/L	1.0	0.89	1	06/19/14 08:00	06/20/14 06:54	75-99-0	
Dicamba	<0.067	ug/L	0.10	0.067	1	06/19/14 08:00	06/20/14 06:54	1918-00-9	L3
Dinoseb	<0.16	ug/L	0.20	0.16	1	06/19/14 08:00	06/20/14 06:54	88-85-7	
Pentachlorophenol	<0.030	ug/L	0.040	0.030	1	06/19/14 08:00	06/20/14 06:54	87-86-5	
Picloram	<0.094	ug/L	0.10	0.094	1	06/19/14 08:00	06/20/14 06:54	1918-02-1	
2,4,5-TP (Silvex)	<0.16	ug/L	0.20	0.16	1	06/19/14 08:00	06/20/14 06:54	93-72-1	
Surrogates									
2,4-DCAA (S)	94 %		70-130		1	06/19/14 08:00	06/20/14 06:54	19719-28-9	
531.1 HPLC Carbamates									
Analytical Method: EPA 531.1									
Aldicarb	<0.70	ug/L	2.0	0.70	1		06/18/14 18:58	116-06-3	
Aldicarb sulfone	<0.60	ug/L	2.0	0.60	1		06/18/14 18:58	1646-88-4	
Aldicarb sulfoxide	<0.67	ug/L	2.0	0.67	1		06/18/14 18:58	1646-87-3	
Carbofuran	<0.75	ug/L	2.0	0.75	1		06/18/14 18:58	1563-66-2	
3-Hydroxycarbofuran	<0.51	ug/L	2.0	0.51	1		06/18/14 18:58	16655-82-6	
Methomyl	<0.57	ug/L	2.0	0.57	1		06/18/14 18:58	16752-77-5	
Oxamyl	<0.47	ug/L	2.0	0.47	1		06/18/14 18:58	23135-22-0	
Carbaryl	<0.28	ug/L	2.0	0.28	1		06/18/14 18:58	63-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 42001269

Pace Project No.: 35141932

Sample: Silo Ridge Well 11 **Lab ID:** 35141932001 **Collected:** 06/12/14 10:45 **Received:** 06/13/14 11:10 **Matrix:** Drinking Water
Comments: • Data was corrected on 6/17/2014 by J.L.K. The report mis-flagged the result as less than the MDC.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
531.1 HPLC Carbamates	Analytical Method: EPA 531.1								
Surrogates									
Propoxur (S)	92 %		80-120		1		06/18/14 18:58	114-26-1	P4
547 HPLC Glyphosate	Analytical Method: EPA 547								
Glyphosate	<5.4 ug/L		6.0	5.4	1		06/19/14 12:54		
549.2 HPLC Paraquat Diquat	Analytical Method: EPA 549.2 Preparation Method: EPA 549.2								
Diquat	<0.15 ug/L		0.40	0.15	1	06/17/14 19:45	06/18/14 12:53	85-00-7	
525.2 Base Neutral Extractable	Analytical Method: EPA 525.2 Preparation Method: EPA 525.2								
Aldrin	<0.034 ug/L		0.094	0.034	1	06/18/14 09:30	06/19/14 19:31	309-00-2	
Benzo(a)pyrene	<0.018 ug/L		0.094	0.018	1	06/18/14 09:30	06/19/14 19:31	50-32-8	
bis(2-Ethylhexyl)adipate	<0.36 ug/L		1.5	0.36	1	06/18/14 09:30	06/19/14 19:31	103-23-1	
bis(2-Ethylhexyl)phthalate	<0.47 ug/L		1.9	0.47	1	06/18/14 09:30	06/19/14 19:31	117-81-7	
Metribuzin	<0.029 ug/L		0.28	0.029	1	06/18/14 09:30	06/19/14 19:31	21087-64-9	
Surrogates									
1,3-Dimethyl-2-nitrobenzene(S)	112 %		70-130		1	06/18/14 09:30	06/19/14 19:31	81209	
Perylene-d12 (S)	106 %		70-130		1	06/18/14 09:30	06/19/14 19:31	1520963	
Triphenylphosphate (S)	118 %		70-130		1	06/18/14 09:30	06/19/14 19:31	115-86-6	
548.1 GCS Endothall	Analytical Method: EPA 548.1 Preparation Method: EPA 548.1								
Endothall	<4.1 ug/L		9.0	4.1	1	06/16/14 16:45	06/17/14 13:07		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141932

QC Batch:	GCSV/11600	Analysis Method:	EPA 531.1
QC Batch Method:	EPA 531.1	Analysis Description:	531.1 HPLC Carbamate
Associated Lab Samples:	35141932001		

METHOD BLANK: 931282 Matrix: Water
Associated Lab Samples: 35141932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
3-Hydroxycarbofuran	ug/L	<0.51	2.0	06/18/14 11:35	
Aldicarb	ug/L	<0.70	2.0	06/18/14 11:35	
Aldicarb sulfone	ug/L	<0.60	2.0	06/18/14 11:35	
Aldicarb sulfoxide	ug/L	<0.67	2.0	06/18/14 11:35	
Carbaryl	ug/L	<0.28	2.0	06/18/14 11:35	
Carbofuran	ug/L	<0.75	2.0	06/18/14 11:35	
Methomyl	ug/L	<0.57	2.0	06/18/14 11:35	
Oxamyl	ug/L	<0.47	2.0	06/18/14 11:35	
Propoxur (S)	%	100	80-120	06/18/14 11:35	

LABORATORY CONTROL SAMPLE: 931283

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3-Hydroxycarbofuran	ug/L	10	9.9	99	80-120	
Aldicarb	ug/L	10	10.7	107	80-120	
Aldicarb sulfone	ug/L	10	9.6	96	80-120	
Aldicarb sulfoxide	ug/L	10	9.5	95	80-120	
Carbaryl	ug/L	10	9.7	97	80-120	
Carbofuran	ug/L	10	9.4	94	80-120	
Methomyl	ug/L	10	9.5	95	80-120	
Oxamyl	ug/L	10	9.3	93	80-120	
Propoxur (S)	%			92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 931284 931285

Parameter	Units	92205207001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
3-Hydroxycarbofuran	ug/L	ND	10	10	10.4	9.9	104	99	80-120	5	20
Aldicarb	ug/L	ND	10	10	11.4	11.1	114	111	80-120	3	20
Aldicarb sulfone	ug/L	ND	10	10	9.6	10.5	96	105	80-120	9	20
Aldicarb sulfoxide	ug/L	ND	10	10	9.7	10.1	97	101	80-120	4	20
Carbaryl	ug/L	ND	10	10	10.0	10.0	100	100	80-120	.03	20
Carbofuran	ug/L	ND	10	10	9.7	9.6	97	96	80-120	1	20
Methomyl	ug/L	ND	10	10	9.9	10.0	99	100	80-120	1	20
Oxamyl	ug/L	ND	10	10	10.1	10.3	101	103	80-120	2	20
Propoxur (S)	%						95	98	80-120		

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141932

QC Batch:	GCSV/11615	Analysis Method:	EPA 547
QC Batch Method:	EPA 547	Analysis Description:	547 HPLC Glyphosate
Associated Lab Samples:	35141932001		

METHOD BLANK: 932403 Matrix: Water
Associated Lab Samples: 35141932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Glyphosate	ug/L	<5.4	6.0	06/19/14 10:52	

LABORATORY CONTROL SAMPLE: 932404

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Glyphosate	ug/L	50	56.1	112	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 932405 932406

Parameter	Units	35142159001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Glyphosate	ug/L	5.4U	50	50	53.7	54.2	107	108	80-120	.9	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 932407 932408

Parameter	Units	35142291001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Glyphosate	ug/L	5.4U	50	50	58.4	53.1	117	106	80-120	10	30	

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141932

QC Batch:	OEXT/17779	Analysis Method:	EPA 504.1
QC Batch Method:	EPA 504.1	Analysis Description:	504 EDB DBCP
Associated Lab Samples:	35141932001		

METHOD BLANK: 933211 Matrix: Water
Associated Lab Samples: 35141932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	<0.0049	0.020	06/20/14 20:05	
1,2-Dibromoethane (EDB)	ug/L	<0.0062	0.010	06/20/14 20:05	

LABORATORY CONTROL SAMPLE & LCSD: 933212

933213

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.25	0.25	101	100	70-130	.9	40	
1,2-Dibromoethane (EDB)	ug/L	.25	0.26	0.26	105	105	70-130	.3	40	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 933214

933215

Parameter	Units	92205207001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	ND	.44	.44	0.48	0.45	110	103	65-135	7	40	
1,2-Dibromoethane (EDB)	ug/L	ND	.44	.44	0.50	0.48	113	109	65-135	4	40	

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141932

QC Batch: OEXT/17723

Analysis Method: EPA 508.1

QC Batch Method: EPA 508.1

Analysis Description: 508 GCS Pesticide

Associated Lab Samples: 35141932001

METHOD BLANK: 929833

Matrix: Water

Associated Lab Samples: 35141932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alachlor	ug/L	<0.034	0.20	06/17/14 21:57	
Atrazine	ug/L	<0.021	0.10	06/17/14 21:57	
Butachlor	ug/L	<0.015	0.10	06/17/14 21:57	
Chlordane (Technical)	ug/L	<0.047	0.20	06/17/14 21:57	
Dieldrin	ug/L	<0.014	0.10	06/17/14 21:57	
Endrin	ug/L	<0.0020	0.010	06/17/14 21:57	
gamma-BHC (Lindane)	ug/L	<0.0030	0.020	06/17/14 21:57	
Heptachlor	ug/L	<0.0060	0.040	06/17/14 21:57	
Heptachlor epoxide	ug/L	<0.0030	0.020	06/17/14 21:57	
Hexachlorobenzene	ug/L	<0.011	0.10	06/17/14 21:57	
Hexachlorocyclopentadiene	ug/L	<0.032	0.10	06/17/14 21:57	
Methoxychlor	ug/L	<0.014	0.10	06/17/14 21:57	
Metolachlor	ug/L	<0.011	0.10	06/17/14 21:57	
PCB, Total	ug/L	<0.080	0.10	06/17/14 21:57	
Propachlor	ug/L	<0.010	0.10	06/17/14 21:57	
Simazine	ug/L	<0.044	0.070	06/17/14 21:57	
Toxaphene	ug/L	<0.61	1.0	06/17/14 21:57	
Decachlorobiphenyl (S)	%	99	70-130	06/17/14 21:57	

LABORATORY CONTROL SAMPLE: 929834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alachlor	ug/L	1	1.1	109	70-130	
Atrazine	ug/L	1.2	1.3	104	70-130	
Butachlor	ug/L	.5	0.54	108	70-130	
Dieldrin	ug/L	.5	0.56	113	70-130	
Endrin	ug/L	.05	0.060	121	70-130	
gamma-BHC (Lindane)	ug/L	.1	0.10	103	70-130	
Heptachlor	ug/L	.2	0.21	106	70-130	
Heptachlor epoxide	ug/L	.1	0.11	108	70-130	
Hexachlorobenzene	ug/L	.5	0.49	98	70-130	
Hexachlorocyclopentadiene	ug/L	.5	0.43	85	70-130	
Methoxychlor	ug/L	.5	0.57	115	70-130	
Metolachlor	ug/L	.5	0.53	105	70-130	
Propachlor	ug/L	.5	0.52	104	70-130	
Simazine	ug/L	.88	0.95	108	70-130	
Decachlorobiphenyl (S)	%			89	70-130	

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141932

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 930866 930867												
Parameter	Units	5099103001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
Alachlor	ug/L	ND	2	2	2.2	2.2	112	112	70-130	.03	40	
Atrazine	ug/L	ND	2.5	2.5	2.6	2.6	105	103	70-130	2	40	
Butachlor	ug/L	ND	1	1	1.1	1.1	110	111	70-130	.6	40	
Dieldrin	ug/L	ND	1	1	1.1	1.2	115	116	70-130	.6	40	
Endrin	ug/L	ND	.1	.1	0.12	0.12	121	123	70-130	2	40	
gamma-BHC (Lindane)	ug/L	ND	.2	.2	0.21	0.21	106	107	70-130	1	40	
Heptachlor	ug/L	ND	.4	.4	0.43	0.43	107	109	70-130	2	40	
Heptachlor epoxide	ug/L	ND	.2	.2	0.22	0.22	111	112	70-130	.8	40	
Hexachlorobenzene	ug/L	ND	1	1	0.99	1.0	99	101	70-130	2	40	
Hexachlorocyclopentadiene	ug/L	ND	1	1	0.92	1.0	92	102	70-130	10	40	
Methoxychlor	ug/L	ND	1	1	1.2	1.2	122	123	70-130	1	40	
Metolachlor	ug/L	ND	1	1	1.1	1.1	108	109	70-130	1	40	
Propachlor	ug/L	ND	1	1	1.1	1.1	106	107	70-130	.6	40	
Simazine	ug/L	ND	1.8	1.8	1.7	1.7	97	94	70-130	2	40	
Decachlorobiphenyl (S)	%						108	101	70-130		40	

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141932

QC Batch: OEXT/17752

Analysis Method: EPA 515.3

QC Batch Method: EPA 515.3

Analysis Description: 5153 GCS Herbicides

Associated Lab Samples: 35141932001

METHOD BLANK: 931619

Matrix: Water

Associated Lab Samples: 35141932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	ug/L	<0.16	0.20	06/20/14 00:10	
2,4-D	ug/L	<0.081	0.10	06/20/14 00:10	
Dalapon	ug/L	<0.89	1.0	06/20/14 00:10	
Dicamba	ug/L	<0.067	0.10	06/20/14 00:10	
Dinoseb	ug/L	<0.16	0.20	06/20/14 00:10	
Pentachlorophenol	ug/L	<0.030	0.040	06/20/14 00:10	
Picloram	ug/L	<0.094	0.10	06/20/14 00:10	
2,4-DCAA (S)	%	105	70-130	06/20/14 00:10	

LABORATORY CONTROL SAMPLE: 931620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	ug/L	1	1.1	108	70-130	
2,4-D	ug/L	.5	0.51	103	70-130	
Dalapon	ug/L	5	5.7	114	70-130	
Dicamba	ug/L	.5	0.66	131	70-130 L0	
Dinoseb	ug/L	1	1.2	118	70-130	
Pentachlorophenol	ug/L	.2	0.24	118	70-130	
Picloram	ug/L	.5	0.42	83	70-130	
2,4-DCAA (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 932344

932345

Parameter	Units	92205585001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2,4,5-TP (Silvex)	ug/L	ND	1	1	0.84	0.83	84	83	70-130	1	40
2,4-D	ug/L	ND	.5	.5	0.38	0.44	75	87	70-130	14	40
Dalapon	ug/L	ND	5	5	5.1	5.0	102	100	70-130	2	40
Dicamba	ug/L	ND	.5	.5	0.61	0.58	122	115	70-130	6	40
Dinoseb	ug/L	ND	1	1	1.2	1.1	115	107	70-130	8	40
Pentachlorophenol	ug/L	ND	.2	.2	0.21	0.21	106	106	70-130	.7	40
Picloram	ug/L	ND	.5	.5	0.40	0.42	80	85	70-130	6	40
2,4-DCAA (S)	%						83	77	70-130		

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141932

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:											
932346						932347					
Parameter	35142030001		MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
	Units	Result	Spike	Spike							
2,4,5-TP (Silvex)	ug/L	0.16U	1	1	0.80	0.87	80	87	70-130	8	40
2,4-D	ug/L	0.081U	.5	.5	0.38	0.38	76	75	70-130	.3	40
Dalapon	ug/L	0.89U	5	5	5.1	5.4	101	108	70-130	6	40
Dicamba	ug/L	0.067U	.5	.5	0.62	0.65	123	130	70-130	6	40
Dinoseb	ug/L	0.16U	1	1	1.0	1.1	102	113	70-130	11	40
Pentachlorophenol	ug/L	0.030U	.2	.2	0.21	0.23	102	113	70-130	9	40
Picloram	ug/L	0.094U	.5	.5	0.42	0.44	83	88	70-130	6	40
2,4-DCAA (S)	%						83	85	70-130		

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141932

QC Batch:	OEXT/17743	Analysis Method:	EPA 525.2
QC Batch Method:	EPA 525.2	Analysis Description:	525.2 Base Neutral Extractables
Associated Lab Samples:	35141932001		

METHOD BLANK: 930864 Matrix: Water

Associated Lab Samples: 35141932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aldrin	ug/L	<0.036	0.10	06/19/14 16:07	
Benzo(a)pyrene	ug/L	<0.019	0.10	06/19/14 16:07	
bis(2-Ethylhexyl)adipate	ug/L	<0.38	1.6	06/19/14 16:07	
bis(2-Ethylhexyl)phthalate	ug/L	<0.50	2.0	06/19/14 16:07	
Metribuzin	ug/L	<0.031	0.30	06/19/14 16:07	
1,3-Dimethyl-2-nitrobenzene(S)	%	122	70-130	06/19/14 16:07	
Perylene-d12 (S)	%	111	70-130	06/19/14 16:07	
Triphenylphosphate (S)	%	107	70-130	06/19/14 16:07	

LABORATORY CONTROL SAMPLE: 930865

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aldrin	ug/L	.4	0.36	91	70-130	
Benzo(a)pyrene	ug/L	.4	0.46	114	70-130	
bis(2-Ethylhexyl)adipate	ug/L	6.4	6.7	105	70-130	
bis(2-Ethylhexyl)phthalate	ug/L	8	7.7	96	70-130	
Metribuzin	ug/L	1.2	1.1	88	70-130	
1,3-Dimethyl-2-nitrobenzene(S)	%			106	70-130	
Perylene-d12 (S)	%			116	70-130	
Triphenylphosphate (S)	%			114	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 931209 931210

Parameter	Units	35141563001		MS		MSD		MS		MSD		% Rec		Max	
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Limits	RPD	RPD	Qual
Aldrin	ug/L	<0.034	.8	.8	.8	0.76	0.66	95	82	70-130	14	40			
Benzo(a)pyrene	ug/L	<0.018	.8	.8	.8	0.83	0.83	104	104	70-130	.2	40			
bis(2-Ethylhexyl)adipate	ug/L	<0.36	12.8	12.8	14.7	14.5	115	113	113	70-130	1	40			
bis(2-Ethylhexyl)phthalate	ug/L	<0.47	16	16	16.4	16.7	101	103	103	70-130	2	40			
Metribuzin	ug/L	<0.029	2.4	2.4	2.2	2.2	90	91	91	70-130	.2	40			
1,3-Dimethyl-2-nitrobenzene(S)	%							109	115	70-130					
Perylene-d12 (S)	%							106	108	70-130					
Triphenylphosphate (S)	%							111	107	70-130					

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141932

QC Batch:	OEXT/17714	Analysis Method:	EPA 548.1
QC Batch Method:	EPA 548.1	Analysis Description:	548 GCS Endothall
Associated Lab Samples:	35141932001		

METHOD BLANK: 929663 Matrix: Water
Associated Lab Samples: 35141932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Endothall	ug/L	<4.1	9.0	06/17/14 07:28	

LABORATORY CONTROL SAMPLE: 929664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endothall	ug/L	50	57.0	114	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 929879 929880

Parameter	Units	35141528001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Endothall	ug/L	4.1U	50	50	47.6	54.3	95	109	80-120	13	40

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 929881 929882

Parameter	Units	35141901008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Endothall	ug/L	<4.1	50	50	<4.1	10.5	0	21	80-120	40	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141932

QC Batch:	OEXT/17715	Analysis Method:	EPA 549.2
QC Batch Method:	EPA 549.2	Analysis Description:	549 HPLC Paraquat Diquat
Associated Lab Samples:	35141932001		

METHOD BLANK: 929666 Matrix: Water
Associated Lab Samples: 35141932001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diquat	ug/L	<0.15	0.40	06/18/14 11:48	

LABORATORY CONTROL SAMPLE: 929667

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diquat	ug/L	2	1.9	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 929668 929669

Parameter	Units	35142053001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diquat	ug/L	0.00015 U mg/L	2	2	1.5	<0.15	77	0	80-120		30	M1

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 42001269

Pace Project No.: 35141932

Sample: Silo Ridge Well 11 **Lab ID:** 35141932001 Collected: 06/12/14 10:45 Received: 06/13/14 11:10 Matrix: Drinking Water
PWS: Site ID: Sample Type:

Comments: • Data was corrected on 6/17/2014 by JLK. The report mis-flagged the result as less than the MDC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radon	SM 7500Rn-B	2444 ± 107 (67.4) C:NA T:NA	pCi/L	06/16/14 18:42	10043-92-2	
Gross Alpha	EPA 900.0	0.661U ± 0.391 (0.661) C:NA T:NA	pCi/L	06/28/14 16:54	12587-46-1	
Gross Beta	EPA 900.0	2.14 ± 0.606 (0.939) C:NA T:NA	pCi/L	06/28/14 16:54	12587-47-2	
Radium-226	EPA 903.1	0.764U ± 0.427 (0.764) C:NA T:93%	pCi/L	06/27/14 11:16	13982-63-3	
Radium-228	EPA 904.0	0.911U ± 0.414 (0.911) C:65% T:84%	pCi/L	06/30/14 15:20	15262-20-1	
Total Uranium	ASTM D5174.97	0.307 ± 0.008 (0.193) C:NA T:NA	ug/L	07/02/14 15:13	7440-61-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141932

QC Batch:	RADC/20294	Analysis Method:	ASTM D5174.97
QC Batch Method:	ASTM D5174.97	Analysis Description:	D5174.97 Total Uranium KPA
Associated Lab Samples:	35141932001		

METHOD BLANK: 748659 Matrix: Water
Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.046 ± 0.001 (0.193) C:NA T:NA	ug/L	07/02/14 14:26	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141932

QC Batch:	RADC/20273	Analysis Method:	EPA 900.0
QC Batch Method:	EPA 900.0	Analysis Description:	900.0 Gross Alpha/Beta
Associated Lab Samples:	35141932001		

METHOD BLANK:	747925	Matrix:	Water
Associated Lab Samples:			

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.099 ± 0.607 (1.60) C:NA T:NA	pCi/L	06/28/14 16:59	
Gross Beta	0.308 ± 0.729 (1.69) C:NA T:NA	pCi/L	06/28/14 16:59	

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141932

QC Batch:	RADC/20226	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
Associated Lab Samples:	35141932001		

METHOD BLANK:	746949	Matrix:	Water
Associated Lab Samples:			

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.308 ± 0.599 (0.988) C:NA T:90%	pCi/L	06/27/14 11:16	

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QUALITY CONTROL DATA

Project: 42001269

Pace Project No.: 35141932

QC Batch: RADC/20292

Analysis Method: EPA 904.0

QC Batch Method: EPA 904.0

Analysis Description: 904.0 Radium 228

Associated Lab Samples: 35141932001

METHOD BLANK: 748657

Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.355 ± 0.371 (0.767) C:68% T:90%	pCi/L	06/30/14 15:20	

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QUALITY CONTROL DATA

Project: 42001269
Pace Project No.: 35141932

QC Batch:	RADC/20156	Analysis Method:	SM 7500Rn-B
QC Batch Method:	SM 7500Rn-B	Analysis Description:	7500Rn B Radon
Associated Lab Samples:	35141932001		

METHOD BLANK: 743558 Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radon	6.2 ± 17.9 (30.7) C:NA T:NA	pCi/L	06/16/14 16:38	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 42001269
Pace Project No.: 35141932

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

P4 Sample field preservation does not meet EPA or method recommendations for this analysis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 42001269


Pace Project No.: 35141932

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35141932001	Silo Ridge Well 11	EPA 504.1	OEXT/17779	EPA 504.1	GCSV/11634
35141932001	Silo Ridge Well 11	EPA 508.1	OEXT/17723	EPA 508.1	GCSV/11592
35141932001	Silo Ridge Well 11	EPA 515.3	OEXT/17752	EPA 515.3	GCSV/11619
35141932001	Silo Ridge Well 11	EPA 531.1	GCSV/11600		
35141932001	Silo Ridge Well 11	EPA 547	GCSV/11615		
35141932001	Silo Ridge Well 11	EPA 549.2	OEXT/17715	EPA 549.2	GCSV/11603
35141932001	Silo Ridge Well 11	EPA 525.2	OEXT/17743	EPA 525.2	MSSV/6345
35141932001	Silo Ridge Well 11	EPA 548.1	OEXT/17714	EPA 548.1	MSSV/6334
35141932001	Silo Ridge Well 11	SM 7500Rn-B	RADC/20156		
35141932001	Silo Ridge Well 11	EPA 900.0	RADC/20273		
35141932001	Silo Ridge Well 11	EPA 903.1	RADC/20226		
35141932001	Silo Ridge Well 11	EPA 904.0	RADC/20292		
35141932001	Silo Ridge Well 11	ASTM D5174.97	RADC/20294		

REPORT OF LABORATORY ANALYSIS

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	Document Name:	Document Revised:
	Sample Condition Upon Receipt Form	October 9, 2013
	Document No.: F-FL-C-007 rev. 05	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: EnviroTest Project # 35141932

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other _____

Tracking # 7762 8607 3197 / 3057

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals Intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T-168 Type of Ice: Wet Blue None

Cooler Temperature °C 1.4 (Visual) -0.1 (Correction Factor) 1.3 (Actual)

Date and Initials of person examining contents: 6/13/14

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen?

☐ Yes ☐ No

Receipt of samples satisfactory: ☐ Yes ☒ No

Rush TAT requested on COC: _____

If yes, then all conditions below were met:

If no, then mark box & describe issue (use comments area if necessary):

Chain of Custody Present	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/> <u>2 received Dixon</u>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
	No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>6mm):	<input type="checkbox"/>

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____

Date: _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Size & Qty of Bottles Received

☐ x 5 Gal
☐ x 2.5 Gal
☐ x 1 Gal
☐ x 1 Liter
☐ x 500 mL
☐ x 250 mL
☐ x Other: _____

Extra Sample In Shed: Yes No



Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Report Prepared for:

Client Services
PASI Florida
8 East Tower Circle
Ormond Beach FL 32174

REPORT OF LABORATORY ANALYSIS FOR 2,3,7,8-TCDD

Report Summary:

Report Prepared Date:

June 26, 2014

Report Information:

Pace Project #: 10270952
Sample Receipt Date: 06/17/2014
Client Project #: 35141932
Client Sub PO #: N/A
State Cert #: E87605

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 Drinking Water Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Nate Boberg, your Pace Project Manager.

This report has been reviewed by:

June 26, 2014

Nate Boberg, Project Manager

(612) 607-6444 (fax)
nate.boberg@pacelabs.com



Report of Laboratory Analysis

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The results relate only to the samples included in this report.

Page 27 of 32



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Minnesota	027-053-137
Alabama	40770	Mississippi	MN00064
Alaska	MN00064	Montana	92
Arizona	AZ0014	Nebraska	
Arkansas	88-0680	Nevada	MN_00064_200
California	01155CA	New Jersey (NE)	MN002
Colorado	MN00064	New York (NEL)	11647
Connecticut	PH-0256	North Carolina	27700
EPA Region 8	8TMS-Q	North Dakota	R-036
Florida (NELAP)	E87605	Ohio	4150
Georgia (DNR)	959	Oklahoma	D9922
Guam	959	Oregon (ELAP)	MN200001-005
Hawaii	SLD	Oregon (OREL)	MN300001-001
Idaho	MN00064	Pennsylvania	68-00563
Illinois	200012	Puerto Rico	MN00064
Indiana	C-MN-01	Saipan	MP0003
Indiana	C-MN-01	South Carolina	74003001
Iowa	368	Texas	T104704192-08
Kansas	E-10167	Utah (NELAP)	MN00064
Kentucky	90062	Virginia	00251
Louisiana	03086	Washington	C755
Maine	2007029	West Virginia	9952C
Maryland	322	Wisconsin	999407970
Michigan	9909	Wyoming	8TMS-Q

REPORT OF LABORATORY ANALYSIS

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Reporting Flags

- A = Reporting Limit based on signal to noise
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- I = Interference present
- J = Estimated value
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs
- * = See Discussion

REPORT OF LABORATORY ANALYSIS

10270952

Chain of Custody



Workorder: 35141932

Workorder Name 42001269

Owner Received Date: 6/13/2014

Results Requested By: 6/27/2014


Report To		Subcontract To		Requested Analysis				
Bo Garcia Pace Analytical Services, Inc. 8 East Tower Circle Ormond Beach, FL 32174 Phone (386)672-5668 Fax (386)672-5668		Pace Analytical Minnesota 1700 Elm Street SE Suite 200 Minneapolis, MN 55414 Phone (612)607-1700		2,3,7,8 Dioxin by 1613				
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Unpreserved	Preserved Containers	LAB USE ONLY
1	Silo Ridge Well 11	PS	6/12/2014 10:45	35141932001	Drinking	<i>g</i>		
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time	Received on Ice	Y or N	Samples Intact	Y or N
1	<i>SG</i>	6/16/14 1600	<i>Ed Pace</i>	6/17/14 900		<i>Y</i>		
2								
3								

Cooler Temperature on Receipt	41 °C	Custody Seal	Y or N	Received on Ice	Y or N	Samples Intact	Y or N
	<i>41</i>		<i>Y</i>		<i>Y</i>		

Comments

Please E-Mail all results in a
 4ELAC-compliant Florida MDL
 PDF format to the PM listed above
 as soon as possible

	Document Name: Sample Condition Upon Receipt Form	Document Revised: 28Feb2014 Page 1 of 1
	Document No.: F-MN-L-213-rev.09	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name:

Project #:

WO#: 10270952



Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client

☐ Commercial ☐ Pace ☐ SpeedDee ☐ Other: _____

Tracking Number: **608196282182**

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No

Seals Intact? ☐ Yes ☒ No

Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other: _____

Temp Blank? ☐ Yes ☒ No

Thermom. Used: ☐ B88A9130516413 ☐ B88A912167504 ☒ B88A9132521491

Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): **4.3**

Cooler Temp Corrected (°C): **4.4**

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C

Correction Factor: **+0.1**

Date and Initials of Person Examining Contents: _____

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	3.
Sampler Name and/or Signature on COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/>	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/>	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/>	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	9.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	10.
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	11.
Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/>	12.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	13.
Includes Date/Time/ID/Analysis Matrix: WJ			14.
All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	15.
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl <2, NaOH >9 Sulfide, NaOH >12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	16.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/>	17.
Headspace in VOA Vials (>6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	18.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	19.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	20.
Pace Trip Blank Lot # (if purchased):			21.

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Project Manager Review:

[Signature]

Date:

6-17-14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Drinking Water Analysis Results
2,3,7,8-TCDD -- USEPA Method 1613B

Tel: 612-607-1700
Fax: 612-607-6444

Sample ID.....Silo Ridge Well 11
Client..... PASI Florida
Lab Sample ID..... 35141932001

Date Collected.....06/12/2014
Date Received.....06/17/2014
Date Extracted.....06/24/2014

	Sample Silo Ridge Well 11	Method Blank	Lab Spike	Lab Spike Dup
[2,3,7,8-TCDD]	ND	ND	--	--
RL	3.5 pg/L	4.6 pg/L	--	--
2,3,7,8-TCDD Recovery	--	--	96%	90%
Spike Recovery Limit	--	--	73-146%	73-146%
RPD			6.9%	
IS Recovery	99%	74%	82%	80%
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	100%	83%	96%	85%
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	R140625A_22	R140625A_10	R140625A_08	R140625A_12
Analysis Date	06/25/2014	06/25/2014	06/25/2014	06/25/2014
Analysis Time	22:23	16:00	15:09	16:43
Analyst	CVS	CVS	CVS	CVS
Volume	1.019L	1.021L	1.033L	0.998L
Dilution	NA	NA	NA	NA
ICAL Date	07/19/2013	07/19/2013	07/19/2013	07/19/2013
CCAL Filename	R140625A_05	R140625A_05	R140625A_05	R140625A_05

! = Outside the Control Limits
ND = Not Detected
RL = Reporting Limit
Limits = Control Limits from Method 1613 (10/94 Revision), Tables 6A and 7A
RPD = Relative Percent Difference of Lab Spike Recoveries
IS = Internal Standard [2,3,7,8-TCDD-¹³C₁₂]
CS = Cleanup Standard [2,3,7,8-TCDD-³⁷Cl₄]

Analyst: *Chuck Sweeney*

Project No.....10270952

Page 32 of 32



**EnviroTest
Laboratories, Inc.**

CHAIN OF CUSTODY

Lab Name: **EnviroTest Laboratories**
Address & Phone: **315 Fullerton Avenue, New**

REPORT# (Lab Use Only)

1-97287

EnviroTest Laboratories
315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION	MATRIX TYPE	REQUIRED ANALYSES												PAGE 1 of 1
ENVIRONMENTAL PROJECT MANAGER		P.O. NUMBER	TOWN		TURNAROUND TIME												
CLIENT (SITE) PM		CLIENT PHONE	CLIENT FAX		NORMAL												
CLIENT NAME					QUICK												
CLIENT ADDRESS					VERBAL												
4 Research Drive, Suite 301, Shelton, CT 06484																	
COMPANY CONTRACTING THIS WORK (if applicable):																	
SAMPLE		SAMPLE IDENTIFICATION		COMPOSITE (C) OR GRAB (G) INDICATE	NUMBER OF CONTAINERS SUBMITTED												REMARKS
DATE	TIME				1	2	3	4	5	6	7	8	9	10	11	12	
6/12/14	1045	Sludge - well 11		G													Table BB (Sb,As,Ba,Bi,Cd,Cr,Cu,Hg,NI)
																	Se,Tl,F
																	Table BC (NO3,NO2)
																	Table BD (Cl,F,Fe,Mn,Ag,Na,SO4,Zn,Cd,Cu,Color)
																	924.2 (POC,MTBE,Vinyl Chloride)
																	SOCs (504,508,515,525,531,547,549,549,549,549)
																	Additional Tests (Total coliform thru Zinc)
																	Dis. Fe, Dis. Mn, Sulfide
																	Radon, Gross Alpha/Beta,
																	Radium 226/228, Total Uranium
																	MPA (including Cypto and Giardia)
RELINQUISHED BY: (SIGNATURE)		DATE	COMPANY	TIME	RECEIVED BY: (SIGNATURE)												DATE
SAMPLED BY: (SIGNATURE)		DATE	COMPANY	TIME	RECEIVED BY: (SIGNATURE)												DATE
RELINQUISHED BY: (SIGNATURE)		DATE	COMPANY	TIME	RECEIVED BY: (SIGNATURE)												DATE
SUBCONTACT: FACE-SOC, Radio, Radon, MPA - Environmental Assoc.		DATE	TIME	COOLER TEMP	LABORATORY REMARKS												REV
SUBCONTACT: FACE-SOC, Radio, Radon, MPA - Environmental Assoc.		DATE	TIME	COOLER TEMP	LABORATORY REMARKS												REV
SUBCONTACT: FACE-SOC, Radio, Radon, MPA - Environmental Assoc.		DATE	TIME	COOLER TEMP	LABORATORY REMARKS												REV

WELL 25
WATER QUALITY

ANALYTICAL REPORT

Job Number: 420-78776-3

SDG Number: Silo Ridge

Job Description: LBG, Inc.

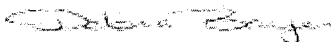
For:

Leggette, Brashears & Graham, Inc.

4 Research Drive

Shelton, CT 06464

Attention: Stacy Stieber



Debra Bayer

Customer Service Manager

dbayer@envirotestlaboratories.com

07/24/2014

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

Job Narrative
420-J78776-3

Comments

The SOCs, Radon, Radio are reported under EnviroTest Lab #420-79146-1

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Biology

No analytical or quality issues were noted.

METHOD SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

SDG Number: Silo Ridge

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Nitrate-Nitrite Lachat	EnvTest	QuickChem 10-107-04-1C	
ICP Metals by 200.7	EnvTest	EPA 200.7 Rev 4.4	
Sample Filtration	EnvTest		FILTRATION
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Total Metals Digestion for 200.7	EnvTest		EPA 200.7
ICPMS Metals by 200.8	EnvTest	EPA 200.8	
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Total Metals Digestion for 200.8	EnvTest		EPA 200.8
Apparent Color	EnvTest	SM21 2120B	
Mercury in Water by CVAA	EnvTest	EPA 245.1	
Digestion for CVAA Mercury in Waters	EnvTest		EPA 245.1
Anions by Ion Chromatography	EnvTest	MCAWW 300.0	
Purgeable Organic Compounds in Water by GC/MS	EnvTest	EPA-DW 524.2	
Turbidity	EnvTest	SM20 SM 2130B	
Odor, Threshold Test	EnvTest	SM20 SM 2150B	
Alkalinity, Titration Method	EnvTest	SM18 SM 2320B	
Corrosivity LSI Calculation	EnvTest	SM20 SM 2330B	
Hardness by Calculation	EnvTest	SM20 SM 2340B	
Total Dissolved Solids (Dried at 180 °C)	EnvTest	SM18 SM 2540C	
Chloride by Silver Nitrate Titration	EnvTest	SM18 SM 4500 Cl- B	
Cyanide, Total: Colorimetric Method	EnvTest	SM18 SM 4500 CN E	
Cyanide: Distillation	EnvTest		SM18 SM 4500 CN C
pH	EnvTest	SM19 SM 4500 H+ B	
Sulfide (Methylene Blue method)	EnvTest	SM20 SM 4500 S2 D	
Nitrite by Colormetric	EnvTest	SM20 SM 4500B	
Total Coliform and Escherichia coli by Colilert - Presence/Absence	EnvTest	SMWW SM 9223	
General Sub Contract Method	Env.Assoc.	Subcontract	

Lab References:

Env.Assoc. = Environmental Associates

EnvTest = EnviroTest

METHOD SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

SDG Number: Silo Ridge

Description	Lab Location	Method	Preparation Method
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Method References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

QuickChem = Lachat QuickChem Manual

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SM19 = "Standard Methods For The Examination Of Water And Wastewater", 19Th Edition, 1995."

SM20 = "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."

SM21 = "Standard Methods For The Examination Of Water And Wastewater", 21st Edition

SMWW = "Standard Methods for the Examination of Water and Wastewater"

METHOD / ANALYST SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3
SDG Number: Silo Ridge

Method	Analyst	Analyst ID
EPA-DW 524.2	Andersen, Eric C	ECA
EPA 200.7 Rev 4.4	McPhillips, Julie	JM
EPA 200.8	McPhillips, Julie	JM
EPA 245.1	McPhillips, Julie	JM
SM20 SM 2340B	McPhillips, Julie	JM
QuickChem 10-107-04-1C	Cusack, Renee	RC
SM21 2120B	Luis, Carlos	CL
MCAWW 300.0	Ulanmo, RoseAnn	RU
SM20 SM 2130B	Luis, Carlos	CL
SM20 SM 2150B	Luis, Carlos	CL
SM18 SM 2320B	Goldstein, Amy	AG
SM20 SM 2330B	Pistole, Maria	MP
SM18 SM 2540C	Travis, Lyndsey	LT
SM18 SM 4500 Cl- B	Goldstein, Amy	AG
SM18 SM 4500 CN E	Cusack, Renee	RC
SM19 SM 4500 H+ B	Luis, Carlos	CL
SM20 SM 4500 S2 D	Goldstein, Amy	AG
SM20 SM 4500B	Ulanmo, RoseAnn	RU
SMWW SM 9223	Luis, Carlos	CL

SAMPLE SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

SDG Number: Silo Ridge

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-78776-3	Silo Ridge Well 25	Drinking Water	06/12/2014 1120	06/12/2014 1320

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 25

Lab Sample ID: 420-78776-3

Date Sampled: 06/12/2014 1120

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

524.2 Purgeable Organic Compounds in Water by GC/MS

Method: 524.2

Analysis Batch: 420-76303

Instrument ID: Agilent 7890A/5975C

Preparation: N/A

Lab File ID: X061223.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 06/12/2014 1951

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<0.500		0.500
1,1,1-Trichloroethane	<0.500		0.500
1,1,2,2-Tetrachloroethane	<0.500		0.500
1,1,2-Trichloroethane	<0.500		0.500
1,1-Dichloroethane	<0.500		0.500
1,1-Dichloroethene	<0.500		0.500
1,1-Dichloropropene	<0.500		0.500
1,2,3-Trichlorobenzene	<0.500		0.500
1,2,3-Trichloropropane	<0.500		0.500
1,2,4-Trichlorobenzene	<0.500		0.500
1,2,4-Trimethylbenzene	<0.500		0.500
1,2-Dichloroethane	<0.500		0.500
1,2-Dichlorobenzene	<0.500		0.500
1,2-Dichloropropane	<0.500		0.500
1,3-Dichloropropane	<0.500		0.500
1,4-Dichlorobenzene	<0.500		0.500
2,2-Dichloropropane	<0.500	*	0.500
Benzene	<0.500		0.500
Bromobenzene	<0.500		0.500
Bromochloromethane	<0.500		0.500
Bromomethane	<0.500		0.500
n-Butylbenzene	<0.500		0.500
cis-1,2-Dichloroethene	<0.500		0.500
cis-1,3-Dichloropropene	<0.500		0.500
Carbon tetrachloride	<0.500		0.500
Chlorobenzene	<0.500		0.500
Chloroethane	<0.500		0.500
Chloromethane	<0.500		0.500
Dibromomethane	<0.500		0.500
Ethylbenzene	<0.500		0.500
Dichlorodifluoromethane	<0.500		0.500
Hexachlorobutadiene	<0.500		0.500
Isopropylbenzene	<0.500		0.500
p-Isopropyltoluene	<0.500		0.500
Methylene Chloride	<0.500		0.500
m-Xylene & p-Xylene	<0.500		0.500
Methyl tert-butyl ether	<0.500		0.500
o-Xylene	<0.500		0.500
Tetrachloroethene	<0.500		0.500
Toluene	<0.500		0.500
trans-1,2-Dichloroethene	<0.500		0.500
trans-1,3-Dichloropropene	<0.500		0.500
Trichloroethene	<0.500		0.500
tert-Butylbenzene	<0.500		0.500

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 25

Lab Sample ID: 420-78776-3

Date Sampled: 06/12/2014 1120

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

524.2 Purgeable Organic Compounds in Water by GC/MS

Method: 524.2

Analysis Batch: 420-76303

Instrument ID: Agilent 7890A/5975C

Preparation: N/A

Lab File ID: X061223.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 06/12/2014 1951

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane	<0.500		0.500
Vinyl chloride	<0.500		0.500
Xylenes, Total	<0.500		0.500
Styrene	<0.500		0.500
sec-Butylbenzene	<0.500		0.500
1,3,5-Trimethylbenzene	<0.500		0.500
N-Propylbenzene	<0.500		0.500
1,3-Dichlorobenzene	<0.500		0.500
2-Chlorotoluene	<0.500		0.500
4-Chlorotoluene	<0.500		0.500
Surrogate	%Rec		Acceptance Limits
4-Bromofluorobenzene	101		71 - 120
Toluene-d8 (Surr)	102		79 - 121
1,2-Dichloroethane-d4 (Surr)	93		70 - 128

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 25

Lab Sample ID: 420-78776-3
Client Matrix: Drinking WaterDate Sampled: 06/12/2014 1120
Date Received: 06/12/2014 1320**200.7 Rev 4.4 ICP Metals by 200.7**

Method:	200.7 Rev 4.4	Analysis Batch: 420-76419	Instrument ID:	Thermo ICP
Preparation:	200	Prep Batch: 420-76363	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	mL
Date Analyzed:	06/17/2014 2244		Final Weight/Volume:	mL
Date Prepared:	06/17/2014 0915			

Analyte	Result (ug/L)	Qualifier	RL
Iron	<60.0		60.0
Manganese	236		10.0
Sodium	5690		200
Zinc	<20.0		20.0

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch: 420-76525	Instrument ID:	Thermo ICP
Preparation:	200.7	Prep Batch: 420-76436	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	mL
Date Analyzed:	06/20/2014 1906		Final Weight/Volume:	mL
Date Prepared:	06/19/2014 0921			

Analyte	Result (ug/L)	Qualifier	RL
Iron	<60.0		60.0
Manganese	197		10.0

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 25Lab Sample ID: 420-78776-3
Client Matrix: Drinking WaterDate Sampled: 06/12/2014 1120
Date Received: 06/12/2014 1320**200.8 ICPMS Metals by 200.8**

Method:	200.8	Analysis Batch:	420-76383	Instrument ID:	Perkin Elmer ELAN
Preparation:	200	Prep Batch:	420-76363	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	mL
Date Analyzed:	06/17/2014 1437			Final Weight/Volume:	mL
Date Prepared:	06/17/2014 0915				

Analyte	Result (ug/L)	Qualifier	RL
Lead	<1.00		1.00
Arsenic	<1.40		1.40
Beryllium	<0.300		0.300
Cadmium	<1.00		1.00
Chromium	9.61		7.00
Nickel	5.56		0.500
Antimony	<0.400		0.400
Thallium	<0.300		0.300
Barium	27.6		2.00
Selenium	7.05		2.00

Method:	200.8	Analysis Batch:	420-76626	Instrument ID:	Perkin Elmer ELAN
Preparation:	200.8	Prep Batch:	420-76568	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/24/2014 1743			Final Weight/Volume:	50 mL
Date Prepared:	06/23/2014 1251				

Analyte	Result (ug/L)	Qualifier	RL
Silver	<1.00		1.00

245.1 Mercury in Water by CVAA

Method:	245.1	Analysis Batch:	420-76473	Instrument ID:	Perkin Elmer FIMS
Preparation:	245.1	Prep Batch:	420-76463	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/19/2014 1634			Final Weight/Volume:	25 mL
Date Prepared:	06/19/2014 1320				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	<0.200		0.200

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

Sdg Number: Silo Ridge

Client Sample ID: Silo Ridge Well 25

Lab Sample ID: 420-78776-3

Date Sampled: 06/12/2014 1120

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

SM 2340B Hardness by Calculation

Method: SM 2340B

Analysis Batch: 420-76423

Instrument ID: None

Preparation: N/A

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume:

Date Analyzed: 06/17/2014 2244

Final Weight/Volume:

Date Prepared: N/A

Analyte	Result (mg/L)	Qualifier	RL
Calcium hardness as calcium carbonate	150		1.25

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

Sdg Number: Silo Ridge

Biology**Client Sample ID:** Silo Ridge Well 25

Lab Sample ID: 420-78776-3

Date Sampled: 06/12/2014 1120

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	Dil	Method
Coliform, Total	Absent		CFU/100mL	1.0	SM 9223
	Only Batch: 420-76274	Date Analyzed	06/12/2014 1743		
Escherichia coli	Absent		CFU/100mL	1.0	SM 9223
	Only Batch: 420-76274	Date Analyzed	06/12/2014 1743		

General Chemistry

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

Sdg Number: Silo Ridge

General Chemistry

Client Sample ID: Silo Ridge Well 25

Lab Sample ID: 420-78776-3

Date Sampled: 06/12/2014 1120

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	Dil	Method
Langelier Index	-0.100		NONE	1.0	SM 2330B
	Anly Batch: 420-76656	Date Analyzed	06/25/2014 1543		

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

Sdg Number: Silo Ridge

General Chemistry**Client Sample ID: Silo Ridge Well 25**Lab Sample ID: 420-78776-3
Client Matrix: Drinking WaterDate Sampled: 06/12/2014 1120
Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	RL	Dil	Method
Nitrate Nitrite as N	0.266		mg/L	0.0100	1.0	10-107-04-1C
	Any Batch: 420-76347	Date Analyzed	06/16/2014 1411			
Alkalinity	206		mg/L	5.00	1.0	SM 2320B
	Any Batch: 420-76413	Date Analyzed	06/17/2014 0940			
Total Dissolved Solids	306		mg/L	5.00	1.0	SM 2540C
	Any Batch: 420-76437	Date Analyzed	06/18/2014 1545			
Sulfate	33.1		mg/L	5.00	1.0	300.0
	Any Batch: 420-76381	Date Analyzed	06/16/2014 1305			
Fluoride	<0.500		mg/L	0.500	1.0	300.0
	Any Batch: 420-76381	Date Analyzed	06/16/2014 1305			
Chloride	<5.00		mg/L	5.00	1.0	SM 4500 Cl- B
	Any Batch: 420-76576	Date Analyzed	06/23/2014 1541			
Cyanide, Total	<0.00500		mg/L	0.00500	1.0	SM 4500 CN E
	Any Batch: 420-76509	Date Analyzed	06/20/2014 1200			
	Prep Batch: 420-76507	Date Prepared:	06/18/2014 0830			
Apparent Color	10.0		Pt-Co	2.00	1.0	2120B
	Any Batch: 420-76339	Date Analyzed	06/13/2014 1518			
pH@color measurement	7.56		SU	2.00	1.0	2120B
	Any Batch: 420-76339	Date Analyzed	06/13/2014 1518			
Turbidity	1.02		NTU	0.100	1.0	SM 2130B
	Any Batch: 420-76341	Date Analyzed	06/13/2014 1318			
Odor	1.00		T.O.N.	1.00	1.0	SM 2150B
	Any Batch: 420-76340	Date Analyzed	06/13/2014 1400			
Temp @ Odor Measurement	65.0		Degrees C	5.00	1.0	SM 2150B
	Any Batch: 420-76340	Date Analyzed	06/13/2014 1400			
pH	7.56	H	SU	0.200	1.0	SM 4500 H+ B
	Any Batch: 420-76337	Date Analyzed	06/13/2014 1442			
Temp @ pH Measurement	22.4		Degrees C	5.00	1.0	SM 4500 H+ B
	Any Batch: 420-76337	Date Analyzed	06/13/2014 1442			
Nitrite as N	<0.0100		mg/L	0.0100	1.0	SM 4500B
	Any Batch: 420-76396	Date Analyzed	06/12/2014 1640			

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

Sdg Number: Silo Ridge

General Chemistry**Client Sample ID: Silo Ridge Well 25**

Lab Sample ID: 420-78776-3

Date Sampled: 06/12/2014 1120

Client Matrix: Drinking Water

Date Received: 06/12/2014 1320

Analyte	Result	Qual	Units	RL	Dil	Method
Sulfide	<0.100		mg/L	0.100	1.0	SM 4500 S2 D
	Anly Batch: 420-76380	Date Analyzed	06/17/2014 1430			

DATA REPORTING QUALIFIERS

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

Sdg Number: Silo Ridge

Lab Section	Qualifier	Description
GC/MS VOA	*	LCS or LCSD exceeds the control limits
General Chemistry	H	Sample was prepped or analyzed beyond the specified holding time

Definitions and Glossary

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

Sdg Number: Silo Ridge

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum quantitation levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points

**EnviroTest
Laboratories, Inc.**

CHAIN OF CUSTODY

REPORT# (Lab Use Only)

78776-3

Lab Name	EnviroTest Laboratories
Address & Phone	315 Fullerton Avenue, New

Lab Name **EnviroTest Laboratories**
Address & Phone **315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890**

PROJECT REFERENCE: 510 Ridge		PROJECT NO: 510		REQUEST LOCATION: America		MATRIX TYPE:		REQUIRED ANALYSES:												PAGE 1 of 1	
ENVIROTEST PROJECT MANAGER: Debra Bayer		P.O. NUMBER: 510		TOWN: America		OTHER SPECIFY:		40ml Vials HCL													
CLIENT (SITE) PM: LBG, Inc.		CLIENT PHONE: 203-929-8555		CLIENT FAX:		COMPOSITE (C) OR GRAB (G) INDICATE:		Bladder													
CLIENT NAME: Stacey Steber		CLIENT ADDRESS: 4 Research Drive, Suite 301, Shelton, CT 06484		COMPANY CONTRACTING THIS WORK (if applicable):		AQUEOUS (WATER):		250ml Amber Sodium Thio													
SAMPLE DATE: 6/12/14		TIME: 1120		SAMPLE IDENTIFICATION: 510 Ridge - weales		OTHER SPECIFY:		250ml Plastic Sodium Hyd													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		40ml Mon/Sod Thio (liquid)													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		Litter Plastic													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		250ml Plastic Sodium Hyd													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		125ml Plastic Sterile													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		Gallon Plastic Nitric													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		40ml Vials Unpres													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		TURNAROUND TIME													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		NORMAL													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		QUICK													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		VERBAL													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		#OF COOLERS													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		REMARKS													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		Table 8B (Sb, As, Ba, Be, Cd, Cr, Cu, Hg, Ni)													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		Se, Tl, F													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		Table 8C (NO3, NO2)													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		Table 8D (Cl, Fe, Mn, Ag, Na, SO4, Zn, Odor, Color)													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		324.2 (Pb, MTBE, Vinyl Chloride)													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		SOCs (604, 508, 515, 525, 531, 547, 548, 549 Dioxins)													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		Additional Tests (Total coliform thru Zinc)													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		Dis, Fe, Dis, Mn, Sulfide													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		Radon, Gross Alpha/Beta,													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		Radium 226/228, Total Uranium													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		MPA (including Cypto and Giardia)													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		RECEIVED BY (SIGNATURE)													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		RECEIVED BY (SIGNATURE)													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		RECEIVED BY (SIGNATURE)													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		35 Total Containers													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		1 liter Amber Plastic Sod Thio / H2SO4													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		2-liter Amber Unpres													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		1-250ml Zinc Acetate/Sod. Hyd													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		1-250ml Amber Unpres													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		2-250ml Plastic Unpres													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		2-40ml Amber Sodium Thio													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		1-500 Amber Sod. Thio													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		1 liter Amber Plastic Sod Thio / H2SO4													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		2-liter Amber Unpres													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		35 Total Containers													
DATE: 6/12/14		TIME: 1120		DATE: 6/12/14		TIME: 1120		RECEIVED BY (SIGNATURE)													
DATE:																					

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-78776-3

SDG Number: Silo Ridge

Login Number: 78776

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	1.3 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	False	pH
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



Laboratory Results

for *Giardia* & *Cryptosporidium* Analysis

Page 1 of 2



24 Oak Brook Drive • Ithaca • NY • 14850-8717 • Phone (607) 272-8902 • Fax (607) 256-7092

ACCOUNT No. **EnviroTest Laboratories Inc.**
AD-12701 315 Fullerton Ave.
Newburgh NY 12550

CONTACT

Ms. Joyce Esposito
1 (845) 562-0890 FAX 610 375-4090

EPA# NY01507
FL -E87851
PA-68-04514

P.O. No. 42001269

SAMPLE No. 43197	SAMPLE SITE	SILO RIDGE WELL # 25	CLIENT IDENTIFICATION	420-78776-T-3
------------------	-------------	----------------------	-----------------------	---------------

SAMPLE DATA

FILTER SAMPLE

WATER TYPE: Ground Water (GW) SAMPLE COLLECTOR: Stacy Stieber
DATE COLLECTED DATE/TIME: Jun 12, 2014 11:20am AMOUNT COLLECTED: 2.64 gal (10 L)
DATE RECEIVED: Jun 13, 2014 TURBIDITY: na
RECEIPT TEMPERATURE (°C) : 3.5 pH: na
ELUTION START DATE/TIME: Jun 14, 2014 7AM FILTER COLOR: Clear Bulk Water
TOTAL VOLUME OF SEDIMENT: 0.1 ML

SAMPLE NOTES

Accepted

EAL Quality Control
GC Serial Number
QCGC-14-15

Number of Aliquots Examined: 1

ANALYSIS TYPE METHOD EPA 1623 Envirocheck HV G&C

Method Remarks

Method 1623 employs a concentration step (centrifugation, Envirocheck filter or Filt-Max filter), followed by immunomagnetic separation (IMS) and an immunofluorescent stain for *Giardia* and *Cryptosporidium*. Positive and Negative Controls were stained and examined concurrently.

RESULTS

Environmental Associates Ltd. certifies that all quality control elements associated with the above data have been met except as may be noted in the comments section. Results relate only to the sample.

ANALYTE		Cysts Observed	Result per 100L	Result per 1L
<i>Giardia</i>	Empty <i>Giardia</i> Cysts Detected	0	ND	ND
	<i>Giardia</i> Cysts with Amorphous Structure	0	ND	ND
	<i>Giardia</i> Cysts with One Internal Structure	0	ND	ND
	<i>Giardia</i> Cysts with More than One Internal Structure	0	ND	ND
	Total IFA <i>Giardia</i> Count per 100L	0	ND	ND
ANALYTE		Oocysts Observed	Result per 100L	Result per 1L
<i>Cryptosporidium</i>	Empty <i>Cryptosporidium</i> Oocysts Detected	0	ND	ND
	<i>Cryptosporidium</i> Oocysts with Amorphous Structure	0	ND	ND
	<i>Cryptosporidium</i> Oocysts with Internal Structure	0	ND	ND
	Total IFA <i>Cryptosporidium</i> Count per 100L	0	ND	ND
COMMENTS		EQUIVALENT VOLUME EXAMINED: 10L	DETECTION LIMIT PER 100L: <10.00	DETECTION LIMIT PER 1L: <0.100

All limitations of analytical methods, laboratory dilutions, and instruments apply. If there are any questions about this report please contact the person certifying the report at the lab number.

NOTICE: EPA Method 1623 indicates 1 matrix sample is needed for every 20 field samples. Please contact the laboratory for details.

ANALYST Dr. Susan Boutros
Susan H. Boutros President & Lab Director
Dr. Susan Boutros

DATE COMPLETED June 15, 2014

DATE CERTIFIED June 26, 2014

ANALYSIS
CERTIFIED BY



Laboratory Results

for *Giardia* & *Cryptosporidium* Analysis

Page 2 of 2



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ACCOUNT No. **EnviroTest Laboratories Inc.**
AD-12701 315 Fullerton Ave.
Newburgh NY 12550

CONTACT

Ms. Joyce Esposito
1 (845) 562-0890 Fax 610 375-4090

EPA# NY01507
FL -E87851
PA-68-04514

SAMPLE NO. 43197

Quality Control data for

Method 1623

Cryptosporidium and Giardia in Water by Filtration/IMS/FA (EPA-815-R-05-002)

**EAL Quality Control
Serial Number
QCGC-14-15**

Materials	Lot Number	Expiration Date
Waterborne™, Inc. - AccuSpike-IR	81	6/23/2014
Dynal Dynabeads GC-Combo	1078998	9/1/2014
AquaGlo GC Direct	803604	1/1/2015

Positive QC Sample

% Sample Examined	Crypto. Spike	Crypto. Count	Crypto. % Recovery
100	100	62	62.0
% Sample Examined	Giardia Spike	Giardia Count	Giardia % Recovery
100	100	74	74.0

Negative QC Sample

% Sample Examined	Crypto. Spike	Crypto. Count	Crypto. % Recovery
100	0	0	----
% Sample Examined	Giardia Spike	Giardia Count	Giardia % Recovery
100	0	0	----

Note:


ANALYTICAL REPORT

Job Number: 420-79146-1

Job Description: LBG, Inc.

For:
Leggette, Brashears & Graham, Inc.
4 Research Drive
Shelton, CT 06464

Attention: Stacy Stieber



Debra Bayer
Customer Service Manager
dbayer@envirotestlaboratories.com
07/24/2014

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOH PH-0554

METHOD SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79146-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
EPA 504.1 EDB	Pace	EPA 504.1	
EPA 505 Pesticide/PCB	Pace	EPA 505	
EPA 515 Chlorinated Acids	Pace	EPA 515	
EPA 525.2 Semivolatile Organics	Pace	EPA 525.2	
EPA 531.1 Carbamate Pesticides in Drinki	Pace	EPA 531.1	
EPA 900 Series GA/GB/RA226/RA228/Gamma	Pace	EPA 900	
Uranium	Pace	STL-STL EPA	
General Sub Contract Method	Pace	Subcontract	

Lab References:

Pace = Pace Analytical - Ormond Beach

Method References:

EPA = US Environmental Protection Agency

STL-STL = Severn Trent Laboratories, St. Louis, Facility Standard Operating Procedure.

SAMPLE SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79146-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-79146-1	Well 25	Drinking Water	06/24/2014 1315	06/24/2014 1518

CHAIN OF CUSTODY

REPORT# (Lab Use Only)

25167

Lab Name	EnviroTest Laboratories
Address & Phone	315 Fullerton Avenue, New York, NY 10022-4209

[illegible]

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79146-1

Login Number: 79146

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	4.4 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

July 11, 2014

Ron Bayer
EnviroTest Laboratories Inc.
315 Fullerton Avenue
Newburgh, NY 12550

RE: Project: LBG, Inc.
Pace Project No.: 35143404

Dear Ron Bayer:

Enclosed are the analytical results for sample(s) received by the laboratory on June 25, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Bo Garcia
bo.garcia@pacelabs.com
Project Manager

Enclosures

cc: Debra Bayer, EnviroTest Laboratories Inc.
Renee Cusack, EnviroTest Laboratories Inc.
Joyce Esposito, EnviroTest Laboratories Inc.
Janine Rader, EnviroTest Laboratories Inc.
Meredith Ruthven, EnviroTest Laboratories Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: LBG, Inc.
Pace Project No.: 35143404

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601
ACCLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235

Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: PA014572014-4
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: LBG, Inc.
Pace Project No.: 35143404

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35143404001	Well 25	Drinking Water	06/24/14 13:15	06/25/14 10:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: LBG, Inc.
Pace Project No.: 35143404

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35143404001	Well 25	EPA 504.1	IRL	2	PASI-O
		EPA 508.1	JTJ	18	PASI-O
		EPA 515.3	LJM	8	PASI-O
		EPA 531.1	LAJ	9	PASI-O
		EPA 547	LAJ	1	PASI-O
		EPA 549.2	LAJ	1	PASI-O
		EPA 525.2	TWB	8	PASI-O
		EPA 548.1	EAO	1	PASI-O
		SM 7500Rn-B	FCC	1	PASI-PA
		EPA 900.0	FCC	2	PASI-PA
		EPA 903.1	JC2	1	PASI-PA
		EPA 904.0	JMR	1	PASI-PA
		EPA 908.0	JAL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LBG, Inc.
Pace Project No.: 35143404

Sample: Well 25		Lab ID: 35143404001		Collected: 06/24/14 13:15		Received: 06/25/14 10:40		Matrix: Drinking Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
504.1 GCS EDB and DBCP									
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1									
1,2-Dibromo-3-chloropropane	<0.0051	ug/L	0.021	0.0051	1	06/26/14 14:00	06/26/14 21:35	96-12-8	
1,2-Dibromoethane (EDB)	<0.0065	ug/L	0.010	0.0065	1	06/26/14 14:00	06/26/14 21:35	106-93-4	
508.1 GCS Pesticides									
Analytical Method: EPA 508.1 Preparation Method: EPA 508.1									
Alachlor	<0.033	ug/L	0.19	0.033	1	06/27/14 09:00	06/28/14 03:39	15972-60-8	
Atrazine	<0.020	ug/L	0.096	0.020	1	06/27/14 09:00	06/28/14 03:39	1912-24-9	
gamma-BHC (Lindane)	<0.0029	ug/L	0.019	0.0029	1	06/27/14 09:00	06/28/14 03:39	58-89-9	
Butachlor	<0.014	ug/L	0.096	0.014	1	06/27/14 09:00	06/28/14 03:39	23184-66-9	
Chlordane (Technical)	<0.045	ug/L	0.19	0.045	1	06/27/14 09:00	06/28/14 03:39	57-74-9	
Dieldrin	<0.013	ug/L	0.096	0.013	1	06/27/14 09:00	06/28/14 03:39	60-57-1	
Endrin	<0.0019	ug/L	0.0096	0.0019	1	06/27/14 09:00	06/28/14 03:39	72-20-8	
Heptachlor	<0.0058	ug/L	0.038	0.0058	1	06/27/14 09:00	06/28/14 03:39	76-44-8	
Heptachlor epoxide	<0.0029	ug/L	0.019	0.0029	1	06/27/14 09:00	06/28/14 03:39	1024-57-3	
Hexachlorobenzene	<0.011	ug/L	0.096	0.011	1	06/27/14 09:00	06/28/14 03:39	118-74-1	
Hexachlorocyclopentadiene	<0.031	ug/L	0.096	0.031	1	06/27/14 09:00	06/28/14 03:39	77-47-4	
Methoxychlor	<0.013	ug/L	0.096	0.013	1	06/27/14 09:00	06/28/14 03:39	72-43-5	
Metolachlor	<0.011	ug/L	0.096	0.011	1	06/27/14 09:00	06/28/14 03:39	51218-45-2	
PCB, Total	<0.077	ug/L	0.096	0.077	1	06/27/14 09:00	06/28/14 03:39	1336-36-3	
Propachlor	<0.0096	ug/L	0.096	0.0096	1	06/27/14 09:00	06/28/14 03:39	1918-16-7	
Simazine	<0.042	ug/L	0.067	0.042	1	06/27/14 09:00	06/28/14 03:39	122-34-9	
Toxaphene	<0.58	ug/L	0.96	0.58	1	06/27/14 09:00	06/28/14 03:39	8001-35-2	
Surrogates									
Decachlorobiphenyl (S)	104 %		70-130		1	06/27/14 09:00	06/28/14 03:39	2051-24-3	
515.3 Chlorinated Herbicides									
Analytical Method: EPA 515.3 Preparation Method: EPA 515.3									
2,4-D	<0.081	ug/L	0.10	0.081	1	06/26/14 11:00	06/28/14 02:45	94-75-7	
Dalapon	<0.89	ug/L	1.0	0.89	1	06/26/14 11:00	06/28/14 02:45	75-99-0	
Dicamba	<0.067	ug/L	0.10	0.067	1	06/26/14 11:00	06/28/14 02:45	1918-00-9	
Dinoseb	<0.16	ug/L	0.20	0.16	1	06/26/14 11:00	06/28/14 02:45	88-85-7	
Pentachlorophenol	<0.030	ug/L	0.040	0.030	1	06/26/14 11:00	06/28/14 02:45	87-86-5	
Picloram	<0.094	ug/L	0.10	0.094	1	06/26/14 11:00	06/28/14 02:45	1918-02-1	L3
2,4,5-TP (Silvex)	<0.16	ug/L	0.20	0.16	1	06/26/14 11:00	06/28/14 02:45	93-72-1	
Surrogates									
2,4-DCAA (S)	86 %		70-130		1	06/26/14 11:00	06/28/14 02:45	19719-28-9	
531.1 HPLC Carbamates									
Analytical Method: EPA 531.1									
Aldicarb	<0.70	ug/L	2.0	0.70	1		06/27/14 23:41	116-06-3	
Aldicarb sulfone	<0.60	ug/L	2.0	0.60	1		06/27/14 23:41	1646-88-4	
Aldicarb sulfoxide	<0.67	ug/L	2.0	0.67	1		06/27/14 23:41	1646-87-3	
Carbofuran	<0.75	ug/L	2.0	0.75	1		06/27/14 23:41	1563-66-2	
3-Hydroxycarbofuran	<0.51	ug/L	2.0	0.51	1		06/27/14 23:41	16655-82-6	
Methomyl	<0.57	ug/L	2.0	0.57	1		06/27/14 23:41	16752-77-5	
Oxamyl	<0.47	ug/L	2.0	0.47	1		06/27/14 23:41	23135-22-0	
Carbaryl	<0.28	ug/L	2.0	0.28	1		06/27/14 23:41	63-25-2	
Surrogates									
Propoxur (S)	91 %		80-120		1		06/27/14 23:41	114-26-1	P4

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LBG, Inc.
Pace Project No.: 35143404

Sample: Well 25		Lab ID: 35143404001	Collected: 06/24/14 13:15	Received: 06/25/14 10:40	Matrix: Drinking Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
547 HPLC Glyphosate	Analytical Method: EPA 547								
Glyphosate	<5.4	ug/L	6.0	5.4	1		06/27/14 20:11		
549.2 HPLC Paraquat Diquat	Analytical Method: EPA 549.2 Preparation Method: EPA 549.2								
Diquat	<0.15	ug/L	0.40	0.15	1	06/27/14 20:00	06/30/14 18:30	85-00-7	
525.2 Base Neutral Extractable	Analytical Method: EPA 525.2 Preparation Method: EPA 525.2								
Aldrin	<0.034	ug/L	0.094	0.034	1	07/02/14 10:00	07/03/14 15:20	309-00-2	
Benzo(a)pyrene	<0.018	ug/L	0.094	0.018	1	07/02/14 10:00	07/03/14 15:20	50-32-8	
bis(2-Ethylhexyl)adipate	<0.36	ug/L	1.5	0.36	1	07/02/14 10:00	07/03/14 15:20	103-23-1	
bis(2-Ethylhexyl)phthalate	9.0	ug/L	1.9	0.47	1	07/02/14 10:00	07/03/14 15:20	117-81-7	CO
Metribuzin	<0.029	ug/L	0.28	0.029	1	07/02/14 10:00	07/03/14 15:20	21087-64-9	
Surrogates									
1,3-Dimethyl-2-nitrobenzene(S)	104	%	70-130		1	07/02/14 10:00	07/03/14 15:20	81209	
Perylene-d12 (S)	81	%	70-130		1	07/02/14 10:00	07/03/14 15:20	1520963	
Triphenylphosphate (S)	101	%	70-130		1	07/02/14 10:00	07/03/14 15:20	115-86-6	
548.1 GCS Endothall	Analytical Method: EPA 548.1 Preparation Method: EPA 548.1								
Endothall	<4.1	ug/L	9.0	4.1	1	06/27/14 16:45	06/28/14 10:04		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

QC Batch:	GCSV/11693	Analysis Method:	EPA 531.1
QC Batch Method:	EPA 531.1	Analysis Description:	531.1 HPLC Carbamate
Associated Lab Samples:	35143404001		

METHOD BLANK: 939942 Matrix: Water
Associated Lab Samples: 35143404001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
3-Hydroxycarbofuran	ug/L	<0.51	2.0	06/27/14 14:05	
Aldicarb	ug/L	<0.70	2.0	06/27/14 14:05	
Aldicarb sulfone	ug/L	<0.60	2.0	06/27/14 14:05	
Aldicarb sulfoxide	ug/L	<0.67	2.0	06/27/14 14:05	
Carbaryl	ug/L	<0.28	2.0	06/27/14 14:05	
Carbofuran	ug/L	<0.75	2.0	06/27/14 14:05	
Methomyl	ug/L	<0.57	2.0	06/27/14 14:05	
Oxamyl	ug/L	<0.47	2.0	06/27/14 14:05	
Propoxur (S)	%	86	80-120	06/27/14 14:05	

LABORATORY CONTROL SAMPLE: 939943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3-Hydroxycarbofuran	ug/L	10	10.2	102	80-120	
Aldicarb	ug/L	10	11.4	114	80-120	
Aldicarb sulfone	ug/L	10	10.5	105	80-120	
Aldicarb sulfoxide	ug/L	10	10.0	100	80-120	
Carbaryl	ug/L	10	10.5	105	80-120	
Carbofuran	ug/L	10	10	100	80-120	
Methomyl	ug/L	10	10.5	105	80-120	
Oxamyl	ug/L	10	10.4	104	80-120	
Propoxur (S)	%			101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 939944 939945

Parameter	Units	35143246001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
3-Hydroxycarbofuran	ug/L	0.51U	10	10	9.9	9.6	99	96	80-120	3	20
Aldicarb	ug/L	0.70U	10	10	10.5	10.3	105	103	80-120	2	20
Aldicarb sulfone	ug/L	0.60U	10	10	9.3	10.0	93	100	80-120	8	20
Aldicarb sulfoxide	ug/L	0.67U	10	10	9.5	9.9	95	99	80-120	4	20
Carbaryl	ug/L	0.28U	10	10	9.7	10.1	97	101	80-120	4	20
Carbofuran	ug/L	0.75U	10	10	9.5	9.5	95	95	80-120	.2	20
Methomyl	ug/L	0.57U	10	10	9.9	10.3	99	103	80-120	4	20
Oxamyl	ug/L	0.47U	10	10	9.7	10.3	97	103	80-120	6	20
Propoxur (S)	%						96	94	80-120		

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

QC Batch:	GCSV/11695	Analysis Method:	EPA 547
QC Batch Method:	EPA 547	Analysis Description:	547 HPLC Glyphosate
Associated Lab Samples:	35143404001		

METHOD BLANK: 939946 Matrix: Water
Associated Lab Samples: 35143404001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Glyphosate	ug/L	<5.4	6.0	06/27/14 18:11	

LABORATORY CONTROL SAMPLE: 939947

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Glyphosate	ug/L	50	47.6	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 939948 939949

Parameter	Units	35143622001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Glyphosate	ug/L	5.4U	50	50	56.6	55.8	113	112	80-120	1	30	

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

QC Batch: OEXT/17856 Analysis Method: EPA 504.1
QC Batch Method: EPA 504.1 Analysis Description: 504 EDB DBCP
Associated Lab Samples: 35143404001

METHOD BLANK: 938660 Matrix: Water
Associated Lab Samples: 35143404001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	<0.0049	0.020	06/26/14 18:49	
1,2-Dibromoethane (EDB)	ug/L	<0.0062	0.010	06/26/14 18:49	

LABORATORY CONTROL SAMPLE & LCSD: 938661

		938662								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.22	0.21	88	85	70-130	3	40	
1,2-Dibromoethane (EDB)	ug/L	.25	0.23	0.23	94	93	70-130	.6	40	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 938663

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
938663				938664								
Parameter	Units	35143207001	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
1,2-Dibromo-3-chloropropane	ug/L	<0.0051	.44	.44	0.41	0.42	94	97	65-135	4	40	
1,2-Dibromoethane (EDB)	ug/L	<0.0065	.44	.44	0.40	0.44	91	100	65-135	9	40	

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QUALITY CONTROL DATA

Project: LBG, Inc.

Pace Project No.: 35143404

QC Batch: OEXT/17866

Analysis Method: EPA 508.1

QC Batch Method: EPA 508.1

Analysis Description: 508 GCS Pesticide

Associated Lab Samples: 35143404001

METHOD BLANK: 939202

Matrix: Water

Associated Lab Samples: 35143404001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alachlor	ug/L	<0.034	0.20	06/27/14 21:17	
Atrazine	ug/L	<0.021	0.10	06/27/14 21:17	
Butachlor	ug/L	<0.015	0.10	06/27/14 21:17	
Chlordane (Technical)	ug/L	<0.047	0.20	06/27/14 21:17	
Dieldrin	ug/L	<0.014	0.10	06/27/14 21:17	
Endrin	ug/L	<0.0020	0.010	06/27/14 21:17	
gamma-BHC (Lindane)	ug/L	<0.0030	0.020	06/27/14 21:17	
Heptachlor	ug/L	<0.0060	0.040	06/27/14 21:17	
Heptachlor epoxide	ug/L	<0.0030	0.020	06/27/14 21:17	
Hexachlorobenzene	ug/L	<0.011	0.10	06/27/14 21:17	
Hexachlorocyclopentadiene	ug/L	<0.032	0.10	06/27/14 21:17	
Methoxychlor	ug/L	<0.014	0.10	06/27/14 21:17	
Metolachlor	ug/L	<0.011	0.10	06/27/14 21:17	
PCB, Total	ug/L	<0.080	0.10	06/27/14 21:17	
Propachlor	ug/L	<0.010	0.10	06/27/14 21:17	
Simazine	ug/L	<0.044	0.070	06/27/14 21:17	
Toxaphene	ug/L	<0.61	1.0	06/27/14 21:17	
Decachlorobiphenyl (S)	%	2	70-130	06/27/14 21:17	P2,S7

LABORATORY CONTROL SAMPLE: 939203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alachlor	ug/L	1	1.1	106	70-130	
Atrazine	ug/L	1.2	1.1	89	70-130	
Butachlor	ug/L	.5	0.52	103	70-130	
Dieldrin	ug/L	.5	0.56	113	70-130	
Endrin	ug/L	.05	0.062	125	70-130	
gamma-BHC (Lindane)	ug/L	.1	0.10	104	70-130	
Heptachlor	ug/L	.2	0.20	102	70-130	
Heptachlor epoxide	ug/L	.1	0.11	106	70-130	
Hexachlorobenzene	ug/L	.5	0.48	96	70-130	
Hexachlorocyclopentadiene	ug/L	.5	0.35	70	70-130	
Methoxychlor	ug/L	.5	0.53	106	70-130	
Metolachlor	ug/L	.5	0.51	102	70-130	
Propachlor	ug/L	.5	0.49	98	70-130	
Simazine	ug/L	.88	0.72	82	70-130	
Decachlorobiphenyl (S)	%			2	70-130	P2,S7

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 939863												939864			
Parameter	Units	35143469002	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.											
Alachlor	ug/L	<0.033	.98	.97	1.1	1.1	113	116	70-130	2	40				
Atrazine	ug/L	<0.021	1.2	1.2	1.1	1.1	91	94	70-130	3	40				
Butachlor	ug/L	<0.015	.49	.49	0.54	0.56	111	115	70-130	3	40				
Dieldrin	ug/L	<0.014	.49	.49	0.58	0.59	119	122	70-130	1	40				
Endrin	ug/L	<0.0020	.049	.049	0.056	0.057	115	118	70-130	2	40				
gamma-BHC (Lindane)	ug/L	<0.0030	.098	.097	0.11	0.10	107	108	70-130	.3	40				
Heptachlor	ug/L	<0.0059	.2	.19	0.22	0.22	110	112	70-130	.8	40				
Heptachlor epoxide	ug/L	<0.0030	.098	.097	0.11	0.11	115	115	70-130	1	40				
Hexachlorobenzene	ug/L	<0.011	.49	.49	0.48	0.49	99	101	70-130	2	40				
Hexachlorocyclopentadiene	ug/L	<0.031	.49	.49	0.53	0.50	108	104	70-130	5	40				
Methoxychlor	ug/L	<0.014	.49	.49	0.63	0.61	130	126	70-130	3	40				
Metolachlor	ug/L	<0.011	.49	.49	0.52	0.52	106	107	70-130	.8	40				
Propachlor	ug/L	<0.0098	.49	.49	0.50	0.51	102	106	70-130	3	40				
Simazine	ug/L	<0.043	.86	.85	0.80	0.88	93	103	70-130	10	40				
Decachlorobiphenyl (S)	%						109	90	70-130		40				

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QUALITY CONTROL DATA

Project: LBG, Inc.

Pace Project No.: 35143404

QC Batch: OEXT/17858

Analysis Method: EPA 515.3

QC Batch Method: EPA 515.3

Analysis Description: 5153 GCS Herbicides

Associated Lab Samples: 35143404001

METHOD BLANK: 938788

Matrix: Water

Associated Lab Samples: 35143404001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	ug/L	<0.16	0.20	06/27/14 18:25	
2,4-D	ug/L	<0.081	0.10	06/27/14 18:25	
Dalapon	ug/L	<0.89	1.0	06/27/14 18:25	
Dicamba	ug/L	<0.067	0.10	06/27/14 18:25	
Dinoseb	ug/L	<0.16	0.20	06/27/14 18:25	
Pentachlorophenol	ug/L	<0.030	0.040	06/27/14 18:25	
Picloram	ug/L	<0.094	0.10	06/27/14 18:25	
2,4-DCAA (S)	%	84	70-130	06/27/14 18:25	

LABORATORY CONTROL SAMPLE: 938789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	ug/L	1	1.0	101	70-130	
2,4-D	ug/L	.5	0.53	106	70-130	
Dalapon	ug/L	5	5.4	107	70-130	
Dicamba	ug/L	.5	0.52	105	70-130	
Dinoseb	ug/L	1	1.1	112	70-130	
Pentachlorophenol	ug/L	.2	0.20	99	70-130	
Picloram	ug/L	.5	0.66	131	70-130 L0	
2,4-DCAA (S)	%			84	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 938790

938791

Parameter	Units	35143136001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
2,4,5-TP (Silvex)	ug/L	0.16U	1	1	0.97	1.0	97	100	70-130	3	40
2,4-D	ug/L	0.081U	.5	.5	0.47	0.48	94	95	70-130	.8	40
Dalapon	ug/L	0.89U	5	5	4.9	5.0	99	101	70-130	2	40
Dicamba	ug/L	0.067U	.5	.5	0.48	0.49	96	99	70-130	2	40
Dinoseb	ug/L	0.16U	1	1	1.1	1.1	107	113	70-130	5	40
Pentachlorophenol	ug/L	0.030U	.2	.2	0.19	0.19	92	95	70-130	4	40
Picloram	ug/L	0.094U	.5	.5	0.67	0.71	134	142	70-130	6	40 M0
2,4-DCAA (S)	%						81	81	70-130		

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 938792 938793												
Parameter	35143246001		MS	MSD	MS	MSD	MS	MSD	% Rec	Max		
	Units	Result	Spike Conc.	Spike Conc.						Result	Result	% Rec
2,4,5-TP (Silvex)	ug/L	0.16U	1	1	0.95	0.98	95	98	70-130	2	40	
2,4-D	ug/L	0.081U	.5	.5	0.58	0.54	116	109	70-130	6	40	
Dalapon	ug/L	0.89U	5	5	5.2	4.9	104	98	70-130	6	40	
Dicamba	ug/L	0.067U	.5	.5	0.48	0.52	96	105	70-130	9	40	
Dinoseb	ug/L	0.16U	1	1	1.1	1.1	107	108	70-130	2	40	
Pentachlorophenol	ug/L	0.030U	.2	.2	<0.030	<0.030	3	3	70-130		40	M1
Picloram	ug/L	0.094U	.5	.5	0.67	0.66	135	131	70-130	3	40	M0
2,4-DCAA (S)	%						79	74	70-130			

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

QC Batch:	OEXT/17932	Analysis Method:	EPA 525.2
QC Batch Method:	EPA 525.2	Analysis Description:	525.2 Base Neutral Extractables
Associated Lab Samples:	35143404001		

METHOD BLANK: 942679 Matrix: Water
Associated Lab Samples: 35143404001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aldrin	ug/L	<0.036	0.10	07/03/14 11:13	
Benzo(a)pyrene	ug/L	<0.019	0.10	07/03/14 11:13	
bis(2-Ethylhexyl)adipate	ug/L	<0.38	1.6	07/03/14 11:13	
bis(2-Ethylhexyl)phthalate	ug/L	<0.50	2.0	07/03/14 11:13	
Metribuzin	ug/L	<0.031	0.30	07/03/14 11:13	
1,3-Dimethyl-2-nitrobenzene(S)	%	98	70-130	07/03/14 11:13	
Perylene-d12 (S)	%	82	70-130	07/03/14 11:13	
Triphenylphosphate (S)	%	99	70-130	07/03/14 11:13	

LABORATORY CONTROL SAMPLE: 942680

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aldrin	ug/L	.4	0.35	87	70-130	
Benzo(a)pyrene	ug/L	.4	0.35	87	70-130	
bis(2-Ethylhexyl)adipate	ug/L	6.4	5.2	82	70-130	
bis(2-Ethylhexyl)phthalate	ug/L	8	6.1	76	70-130	
Metribuzin	ug/L	1.2	1.4	117	70-130	
1,3-Dimethyl-2-nitrobenzene(S)	%			103	70-130	
Perylene-d12 (S)	%			84	70-130	
Triphenylphosphate (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 943541 943542

Parameter	Units	35143922001		MS		MSD		MS		MSD		MS		MSD		% Rec		Max	
		Units	Result	Spike Conc.	Conc.	Spike Conc.	Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	MS % Rec	MSD % Rec	MS % Rec	MSD % Rec	Limits	RPD	RPD	Qual
Aldrin	ug/L		0.036U	.39	.4	0.048J	<0.036	12	0	70-130	40								
Benzo(a)pyrene	ug/L		0.019U	.39	.4	0.36	0.39	91	97	70-130	8	40							
bis(2-Ethylhexyl)adipate	ug/L		0.38U	6.2	6.3	5.2	5.2	83	81	70-130	.6	40							
bis(2-Ethylhexyl)phthalate	ug/L		0.50U	7.8	7.9	6.3	6.2	80	77	70-130	2	40							
Metribuzin	ug/L		0.031U	1.2	1.2	1.4	1.2	123	100	70-130	19	40							
1,3-Dimethyl-2-nitrobenzene(S)	%							101	100	70-130									
Perylene-d12 (S)	%							96	93	70-130									
Triphenylphosphate (S)	%							100	96	70-130									

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

QC Batch: OEXT/17861	Analysis Method: EPA 548.1
QC Batch Method: EPA 548.1	Analysis Description: 548 GCS Endothall
Associated Lab Samples: 35143404001	

METHOD BLANK: 938902 Matrix: Water
Associated Lab Samples: 35143404001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Endothall	ug/L	<4.1	9.0	06/27/14 08:12	

LABORATORY CONTROL SAMPLE: 938903

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endothall	ug/L	50	53.5	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 939210 939211

Parameter	Units	35142925001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Endothall	ug/L	4.1U	50	50	57.4	51.2	115	102	80-120	11	40

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 940640 940641

Parameter	Units	35143235001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Endothall	ug/L	4.1U	50	50	42.0	42.9	84	86	80-120	2	40

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

QC Batch:	OEXT/17874	Analysis Method:	EPA 549.2
QC Batch Method:	EPA 549.2	Analysis Description:	549 HPLC Paraquat Diquat
Associated Lab Samples:	35143404001		

METHOD BLANK: 939608 Matrix: Water
Associated Lab Samples: 35143404001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diquat	ug/L	<0.15	0.40	06/30/14 16:39	

LABORATORY CONTROL SAMPLE: 939609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diquat	ug/L	2	1.9	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 939610 939611

Parameter	Units	35143246001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diquat	ug/L	0.15U	2	2	1.7	1.7	84	83	80-120	2	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 940881 940882

Parameter	Units	35143836001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diquat	ug/L	0.15U	2	2	2.3	2.0	114	102	80-120	11	30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Date: 07/11/2014 10:30 AM

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Page 16 of 32

ANALYTICAL RESULTS

Project: LBG, Inc.
Pace Project No.: 35143404

Sample: Well 25		Lab ID: 35143404001	Collected: 06/24/14 13:15	Received: 06/25/14 10:40	Matrix: Drinking Water	
PWS:		Site ID:	Sample Type:			
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radon	SM 7500Rn-B	1,293 ± 71.3 (56.4) C:NA T:NA	pCi/L	06/27/14 10:05	10043-92-2	
Gross Alpha	EPA 900.0	2.88U ± 1.41 (2.88) C:NA T:NA	pCi/L	07/07/14 08:00	12587-46-1	
Gross Beta	EPA 900.0	1.76 ± 0.945 (1.76) C:NA T:NA	pCi/L	07/07/14 08:00	12587-47-2	
Radium-226	EPA 903.1	0.732 ± 0.537 (0.680) C:NA T:98%	pCi/L	07/07/14 14:19	13982-63-3	
Radium-228	EPA 904.0	0.744U ± 0.355 (0.744) C:78% T:82%	pCi/L	07/07/14 11:24	15262-20-1	
Total Uranium	EPA 908.0	1.15 ± 0.281 (0.378) C:NA T:84%	pCi/L	07/07/14 18:28	7440-61-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

QC Batch:	RADC/20376	Analysis Method:	EPA 900.0
QC Batch Method:	EPA 900.0	Analysis Description:	900.0 Gross Alpha/Beta
Associated Lab Samples:	35143404001		

METHOD BLANK:	751886	Matrix:	Water
Associated Lab Samples:			

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.126 ± 0.717 (1.83) C:NA T:NA	pCi/L	07/07/14 07:57	
Gross Beta	2.43 ± 1.34 (2.50) C:NA T:NA	pCi/L	07/07/14 07:57	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LBG, Inc.

Pace Project No.: 35143404

QC Batch:	RADC/20363	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
Associated Lab Samples:	35143404001		

METHOD BLANK: 751702 Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.670 ± 0.355 (0.635) C:81% T:92%	pCi/L	07/07/14 11:26	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

QC Batch:	RADC/20361	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
Associated Lab Samples:	35143404001		

METHOD BLANK:	751700	Matrix:	Water
Associated Lab Samples:			

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.209 ± 0.555 (0.990) C:NA T:90%	pCi/L	07/07/14 13:54	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

QC Batch:	RADC/20304	Analysis Method:	SM 7500Rn-B
QC Batch Method:	SM 7500Rn-B	Analysis Description:	7500Rn B Radon
Associated Lab Samples:	35143404001		

METHOD BLANK: 748744 Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radon	-10.4 ± 18.8 (33.5) C:NA T:NA	pCi/L	06/27/14 07:29	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LBG, Inc.
Pace Project No.: 35143404

QC Batch:	RADC/20351	Analysis Method:	EPA 908.0
QC Batch Method:	EPA 908.0	Analysis Description:	908.0 Total Uranium
Associated Lab Samples:	35143404001		

METHOD BLANK:	751688	Matrix:	Water
Associated Lab Samples:			

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.0344 ± 0.143 (0.273) C:NA T:110%	pCi/L	07/07/14 18:27	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: LBG, Inc.
Pace Project No.: 35143404

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

C0 Result confirmed by second analysis.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

P2 Re-extraction or re-analysis could not be performed due to insufficient sample amount.

P4 Sample field preservation does not meet EPA or method recommendations for this analysis.

S7 Surrogate recovery outside control limits (not confirmed by re-analysis).

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LBG, Inc.
Pace Project No.: 35143404

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35143404001	Well 25	EPA 504.1	OEXT/17856	EPA 504.1	GCSV/11683
35143404001	Well 25	EPA 508.1	OEXT/17866	EPA 508.1	GCSV/11702
35143404001	Well 25	EPA 515.3	OEXT/17858	EPA 515.3	GCSV/11686
35143404001	Well 25	EPA 531.1	GCSV/11693		
35143404001	Well 25	EPA 547	GCSV/11695		
35143404001	Well 25	EPA 549.2	OEXT/17874	EPA 549.2	GCSV/11711
35143404001	Well 25	EPA 525.2	OEXT/17932	EPA 525.2	MSSV/6406
35143404001	Well 25	EPA 548.1	OEXT/17861	EPA 548.1	MSSV/6377
35143404001	Well 25	SM 7500Rn-B	RADC/20304		
35143404001	Well 25	EPA 900.0	RADC/20376		
35143404001	Well 25	EPA 903.1	RADC/20361		
35143404001	Well 25	EPA 904.0	RADC/20363		
35143404001	Well 25	EPA 908.0	RADC/20351		

REPORT OF LABORATORY ANALYSIS

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	Document Name:	Document Revised:
	Sample Condition Upon Receipt Form	October 9, 2013
	Document No.: F-FL-C-007 rev. 05	Issuing Authorities: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: EnviroTest Project # 35143404

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace

☐ Other _____

Tracking # 7704 05311666

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals Intact: ☐ yes ☐ no

Date and Initials of person examining contents: 6/25/14

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T-165 Type of Ice: Wet Blue None

Cooler Temperature °C 3.0 (Visual) -0.1 (Correction Factor) 2.9 (Actual)

(Temp should be above freezing to 6°C. If below 0°C, then was sample frozen?)

☐ Yes ☐ No

Receipt of samples satisfactory: ☒ Yes ☐ No

Rush TAT requested on COC: _____

If yes, then all conditions below were met:

If no, then mark box & describe issue (use comments area if necessary):

Chain of Custody Present	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
	No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>6mm):	<input type="checkbox"/>

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

Preserved: HCL
 Date/Time: 6/25/14 15:00
 Lot #: pm pwc 14512
 Preserved by: AS

Project Manager Review: _____

Date: _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Size & Qty of Bottles Received

☐ x 5 Gal
☐ x 2.5 Gal
☐ x 1 Gal
☐ x 1 Liter
☐ x 500 mL
☐ x 250 mL
☐ x Other: _____

Extra Sample In Shed: Yes No

Report Prepared for:

Client Services
PASI Florida
8 East Tower Circle
Ormond Beach FL 32174

**REPORT OF
LABORATORY
ANALYSIS FOR
2,3,7,8-TCDD**

Report Summary:

Report Prepared Date:

July 10, 2014

Report Information:

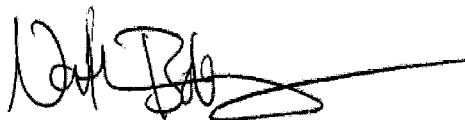
Pace Project #: 10272357
Sample Receipt Date: 06/27/2014
Client Project #: 35143404
Client Sub PO #: N/A
State Cert #: E87605

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 Drinking Water Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Nate Boberg, your Pace Project Manager.

This report has been reviewed by:



July 10, 2014

Nate Boberg, Project Manager

(612) 607-6444 (fax)
nate.boberg@pacelabs.com



Report of Laboratory Analysis

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The results relate only to the samples included in this report.



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Minnesota	027-053-137
Alabama	40770	Mississippi	MN00064
Alaska	MN00064	Montana	92
Arizona	AZ0014	Nebraska	
Arkansas	88-0680	Nevada	MN_00064_200
California	01155CA	New Jersey (NE	MN002
Colorado	MN00064	New York (NEL	11647
Connecticut	PH-0256	North Carolina	27700
EPA Region 8	8TMS-Q	North Dakota	R-036
Florida (NELAP	E87605	Ohio	4150
Georgia (DNR)	959	Oklahoma	D9922
Guam	959	Oregon (ELAP)	MN200001-005
Hawaii	SLD	Oregon (OREL	MN300001-001
Idaho	MN00064	Pennsylvania	68-00563
Illinois	200012	Puerto Rico	MN00064
Indiana	C-MN-01	Saipan	MP0003
Indiana	C-MN-01	South Carolina	74003001
Iowa	368	Texas	T104704192-08
Kansas	E-10167	Utah (NELAP)	MN00064
Kentucky	90062	Virginia	00251
Louisiana	03086	Washington	C755
Maine	2007029	West Virginia	9952C
Maryland	322	Wisconsin	999407970
Michigan	9909	Wyoming	8TMS-Q

REPORT OF LABORATORY ANALYSIS

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Reporting Flags

- A = Reporting Limit based on signal to noise
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- I = Interference present
- J = Estimated value
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs
- * = See Discussion

REPORT OF LABORATORY ANALYSIS

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10272357

Pace Analytical
www.pacelabs.com

Workorder: 35143404

Workorder Name:LBG, Inc.

Owner Received Date: 6/25/2014 **Results Requested By:** 7/10/2014

Bo García

Pace Analytical Services, Inc.

8 East Tower Circle

Ormond Beach, FL 32174

Phone (386) 672-5668

F. Noile (360) 672-5668
Fax (386) 672-5668

Pace Analytical Minnesota

1700 Elm Street SE


Suite 200

Minneapolis, MN 55414

Phone (612)607-1700

[illegible]

**Please E-Mail all results in a
NELAC-Compliant Florida MDL
PDF format to the PM listed above
as soon as possible.**

	Document Name: Sample Condition Upon Receipt Form	Document Revised: 28Feb2014
	Document No.: F-MN-L-213-rev:09	Page 1 of 1
		Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name:

Pace SI

Project #:

WO# : 10272357

Courier: ☒ FedEx ☐ UPS ☐ USPS ☐ Client

☐ Commercial ☐ Pace ☐ Speedee ☐ Other:

Tracking Number: 6081 96286361



10272357

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No

Seals Intact? ☐ Yes ☒ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other:

Temp Blank? ☒ Yes ☐ No

Thermom. Used: ☒ B88A9130516413

☒ B88A912167504

☐ B88A9132521491

Type of Ice: ☒ Wet ☐ Blue ☐ None

☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 0.3

Cooler Temp Corrected (°C): 0.2

Biological Issue Frozen? ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C

Correction Factor: -0.1

Date and Initials of Person Examining Contents: Orl 6/27

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.	
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.	
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.	
Sampler Name and/or Signature on COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.	
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No	11.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.	
Includes Date/Time/ID/Analysis Matrix: <u>WT</u>			
All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No	13.	<input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
All containers needing preservation are found to be in compliance with EPA recommendation?	<input type="checkbox"/> Yes <input type="checkbox"/> No		Sample #
(HNO ₃ , H ₂ SO ₄ , HCl > 2, NaOH > 9 Sulfide, NaOH > 12 Cyanide)			
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8045 (water), DOC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	14.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	15.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Pace Trip Blank Lot # (if purchased):			

CLIENT NOTIFICATION/RESOLUTION

Person Contacted:

Date/Time:

Field Data Required? ☐ Yes ☐ No

Comments/Resolution:

Project Manager Review:

Date:

6-30-14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Drinking Water Analysis Results
2,3,7,8-TCDD -- USEPA Method 1613B

Tel: 612-607-1700
Fax: 612-607-6444

Sample ID..... Well 25
Client..... PASI Florida
Lab Sample ID..... 35143404001

Date Collected.....06/24/2014
Date Received.....06/27/2014
Date Extracted.....07/08/2014

	Sample Well 25	Method Blank	Lab Spike	Lab Spike Dup
[2,3,7,8-TCDD]	ND	ND	--	--
RL	2.5 pg/L	4.4 pg/L	--	--
2,3,7,8-TCDD Recovery	--	--	106%	102%
Spike Recovery Limit	--	--	73-146%	73-146%
RPD			3.5%	
IS Recovery	60%	66%	74%	81%
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	87%	81%	87%	96%
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	R140708A_25	R140708A_08	R140708A_06	R140708A_07
Analysis Date	07/09/2014	07/08/2014	07/08/2014	07/08/2014
Analysis Time	09:00	23:15	22:06	22:41
Analyst	BAL	BAL	BAL	BAL
Volume	0.944L	1.002L	1.005L	1.023L
Dilution	NA	NA	NA	NA
ICAL Date	07/19/2013	07/19/2013	07/19/2013	07/19/2013
CCAL Filename	R140708A_04	R140708A_04	R140708A_04	R140708A_04

! = Outside the Control Limits
ND = Not Detected
RL = Reporting Limit
Limits = Control Limits from Method 1613 (10/94 Revision), Tables 6A and 7A
RPD = Relative Percent Difference of Lab Spike Recoveries
IS = Internal Standard [2,3,7,8-TCDD-¹³C₁₂]
CS = Cleanup Standard [2,3,7,8-TCDD-³⁷Cl₄]

Analyst: Brian A. Lark

Project No.....10272357

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ENVIRONMENTAL ASSOCIATES LTD.
24 Oak Brook Drive, Ithaca, NY 14850
(607) 272-8902 Fax (607) 256-7092

Page 1 of 1



REPORT: MICROSCOPIC PARTICULATE ANALYSIS

Client: Joyce Esposito

EnviroTest Laboratories Inc.

315 Fullerton Ave.

Newburgh NY 12550

FILTER ID: 43198

Station/Body of water: Silo Ridge Well # 25

RECEIPT OF FILTER:

Date Received: 6/13/2014 # of filters: NA Type: bulk sample Carrier: FedEx

COLLECTION:

Collector: Stacy Stieber

Date & Time Collected: 6/12/2014 11:20am

Temperature: na °F

Turbidity: na

Water Type: Ground Water (GW)

Date & Time Processed: 6/13/2014 4:00 PM

Date Analyzed: 6/27/2014

FILTER PROCESSING

Color of water around filter: N/A

Total volume of sediment: 0.01 ml

Filter color: Clear Bulk Water

Volume of sediment/100 gallons: 0.38 ml

Color of sediment: white

Phase equivalent gallon volume examined: 2.64

gallons filtered: 2.641

ANALYSIS OF PARTICULATES:

key = (EH) - extremely heavy [>20 /field @ 100X] (H) - heavy [10-20/field @ 100X]
(M) - moderate [4-9/field @ 100X] (R) - rare [<1 -3/field @ 100X] (NF) - none found

PARTICULATE DEBRIS

	Quantity	Description
Large part. 5 μ m & larger	<u>EH</u>	<u>fine silt</u>
Small part. up to 5 μ m	<u>EH</u>	<u>fine amorphous debris</u>
Plant debris	<u>NF</u>	

PROTOZOANS

	Quantity	Description
Other Coccidia	<u>NF</u>	
Other protozoans	<u>NF</u>	

OTHER ORGANISMS

Nematodes	<u>NF</u>	
Nematode eggs	<u>NF</u>	
Rotifers	<u>NF</u>	
Crustaceans	<u>NF</u>	
Crustacean eggs	<u>NF</u>	
Insects	<u>NF</u>	
Other	<u>NF</u>	

ALGAE

Green Algae	<u>NF</u>	
Diatoms	<u>NF</u>	
Blue-Green Algae	<u>NF</u>	
Flagellated Algae	<u>NF</u>	

COMMENTS:

No biological materials were observed. Based upon microscopic particulate analysis and the proposed EPA risk factors associated with bio-indicators there is a low risk of surface contamination (EPA risk factors= 0 low risk).

Environmental Associates Ltd. certifies that all quality control elements associated with the above data have been met except as may be noted in the comments section. Results relate only to the sample.

REPORT REVIEWED BY:

Susan H. Bortone

DATE: June 30, 2014

President & Lab Director

E.A. - Rev. April 3, 2006
E.A. - Rev. Feb 15, 2010

ENVIRONMENTAL ASSOCIATES LTD.

24 Oak Brook Drive, Ithaca, NY 14850
(607) 272-8902 Fax (607) 256-7092

REPORT: MICROSCOPIC PARTICULATE ANALYSIS EPA 910/9-92-029

Page 2 of 2



Date: 6/12/2014

EAL Sample ID: 43198	Well ID# Silo Ridge Well # 25	Utility Name EnviroTest Laboratories Inc.
-------------------------	----------------------------------	--

EPA Relative Surface Water Risk Factors

Primary Particulates	#/100 gallon	Relative Frequency	Relative Risk Factor	Comments
Diatoms	0	NF	0	
Other Algae	0	NF	0	
Insects/larvae	0	NF	0	
Rotifers	0	NF	0	
Plant Debris (with chloro.)	0	NF	0	
EPA Relative Risk = 0			Low Risk	

Secondary Particulates

Nematodes	0		
Crustaceans	0		
Amoeba	0		
Non-photo. flag. & ciliates	0		
Photosynthetic flagellates	0		
Other:	0		

COMMENTS: No biological materials were observed. Based upon microscopic particulate analysis and the proposed EPA risk factors associated with bio-indicators there is a low risk of surface contamination (EPA risk factors= 0 low risk).

REFERENCE: Consensus Method for Determining Groundwaters Under the Direct Influence of Surface Water Using Microscopic Particulate Analysis

(MPA) US EPA Manchester Environmental Laboratory, EPA 910/9-92-029, October 1992.

Environmental Associates Ltd. certifies that all quality control elements associated with the above data have been met except as may be noted in the comments section. Results relate only to the sample.

REPORT REVIEWED BY:

Susan H. Boutros
Dr. Susan Boutros
President & Lab Director

DATE: June 30, 2014

Environmental Associates, Ltd.

WELL 31
WATER QUALITY

ANALYTICAL REPORT

Job Number: 420-79020-1

Job Description: LBG, Inc.

For:
Leggette, Brashears & Graham, Inc.
4 Research Drive
Shelton, CT 06464

Attention: Stacy Stieber



Designee for
Debra Bayer
Customer Service Manager
dbayer@envirotestlaboratories.com
07/08/2014

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

Job Narrative
420-J79020-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Method SM 4500 H+ B: The holding time for pH is 15 minutes, the samples were received outside of the holding time.

No other analytical or quality issues were noted.

Biology

No analytical or quality issues were noted.

METHOD SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
ICP Metals by 200.7	EnvTest	EPA 200.7 Rev 4.4	
Sample Filtration	EnvTest		FILTRATION
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Total Metals Digestion for 200.7	EnvTest		EPA 200.7
ICPMS Metals by 200.8	EnvTest	EPA 200.8	
200 Series Drinking Water Prep Determination Step	EnvTest		EPA 200
Total Metals Digestion for 200.8	EnvTest		EPA 200.8
Apparent Color	EnvTest	SM21 2120B	
Mercury in Water by CVAA	EnvTest	EPA 245.1	
Digestion for CVAA Mercury in Waters	EnvTest		EPA 245.1
Anions by Ion Chromatography	EnvTest	MCAWW 300.0	
Anions by Ion Chromatography	EnvTest	MCAWW 300.0	
EPA 504.1 EDB	Pace	EPA 504.1	
EPA 505 Pesticide/PCB	Pace	EPA 505	
EPA 515 Chlorinated Acids	Pace	EPA 515	
Purgeable Organic Compounds in Water by GC/MS	EnvTest	EPA-DW 524.2	
EPA 525.2 Semivolatile Organics	Pace	EPA 525.2	
EPA 531.1 Carbamate Pesticides in Drinki	Pace	EPA 531.1	
EPA 900 Series GA/GB/RA226/RA228/Gamma	Pace	EPA 900	
Uranium	Pace	STL-STL EPA	
Heterotropic Plate Count	EnvTest	IDEXX SIMPLATE	
Turbidity	EnvTest	SM20 SM 2130B	
Odor, Threshold Test	EnvTest	SM20 SM 2150B	
Alkalinity, Titration Method	EnvTest	SM18 SM 2320B	
Corrosivity LSI Calculation	EnvTest	SM20 SM 2330B	
Hardness by Calculation	EnvTest	SM20 SM 2340B	
Total Dissolved Solids (Dried at 180 °C)	EnvTest	SM18 SM 2540C	
Cyanide, Total: Colorimetric Method	EnvTest	SM18 SM 4500 CN E	
Cyanide: Distillation	EnvTest		SM18 SM 4500 CN C
pH	EnvTest	SM19 SM 4500 H+ B	
Sulfide (Methylene Blue method)	EnvTest	SM20 SM 4500 S2 D	
Nitrite by Colormetric	EnvTest	SM20 SM 4500B	
Total Coliform and Escherichia coli by Colilert - Presence/Absence	EnvTest	SMWW SM 9223	
General Sub Contract Method	Env.Assoc.	Subcontract	
General Sub Contract Method	Pace	Subcontract	

EnviroTest Laboratories, Inc.

METHOD SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Description	Lab Location	Method	Preparation Method
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Lab References:

Env.Assoc. = Environmental Associates

EnvTest = EnviroTest

Pace = Pace Analytical - Ormond Beach

Method References:

EPA = US Environmental Protection Agency

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

IDEXX =

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SM19 = "Standard Methods For The Examination Of Water And Wastewater", 19Th Edition, 1995."

SM20 = "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."

SM21 = "Standard Methods For The Examination Of Water And Wastewater", 21st Edition

SMWW = "Standard Methods for the Examination of Water and Wastewater"

STL-STL = Severn Trent Laboratories, St. Louis, Facility Standard Operating Procedure.

METHOD / ANALYST SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Method	Analyst	Analyst ID
EPA-DW 524.2	Andersen, Eric C	ECA
EPA 200.7 Rev 4.4	McPhillips, Julie	JM
EPA 200.8	McPhillips, Julie	JM
EPA 245.1	McPhillips, Julie	JM
SM20 SM 2340B	McPhillips, Julie	JM
SM21 2120B	Luis, Carlos	CL
MCAWW 300.0	Ulanmo, RoseAnn	RU
IDEXX SIMPLATE	Luis, Carlos	CL
SM20 SM 2130B	Luis, Carlos	CL
SM20 SM 2150B	Luis, Carlos	CL
SM18 SM 2320B	Goldstein, Amy	AG
SM20 SM 2330B	Pistole, Maria	MP
SM18 SM 2540C	Travis, Lyndsey	LT
SM18 SM 4500 CN E	Cusack, Renee	RC
SM19 SM 4500 H+ B	Luis, Carlos	CL
SM20 SM 4500 S2 D	Goldstein, Amy	AG
SM20 SM 4500B	Ulanmo, RoseAnn	RU
SMWW SM 9223	Travis, Lyndsey	LT

SAMPLE SUMMARY

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-79020-1	Well 31	Drinking Water	06/19/2014 1000	06/19/2014 1225

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Client Sample ID: Well 31

Lab Sample ID: 420-79020-1

Date Sampled: 06/19/2014 1000

Client Matrix: Drinking Water

Date Received: 06/19/2014 1225

524.2 Purgeable Organic Compounds in Water by GC/MS

Method: 524.2

Analysis Batch: 420-76550

Instrument ID: HP

Preparation: N/A

Lab File ID: V062013.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 06/20/2014 1508

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<0.500		0.500
1,1,1-Trichloroethane	<0.500		0.500
1,1,2,2-Tetrachloroethane	<0.500		0.500
1,1,2-Trichloroethane	<0.500		0.500
1,1-Dichloroethane	<0.500		0.500
1,1-Dichloroethene	<0.500		0.500
1,1-Dichloropropene	<0.500		0.500
1,2,3-Trichlorobenzene	<0.500		0.500
1,2,3-Trichloropropane	<0.500		0.500
1,2,4-Trichlorobenzene	<0.500		0.500
1,2,4-Trimethylbenzene	<0.500		0.500
1,2-Dichloroethane	<0.500		0.500
1,2-Dichlorobenzene	<0.500		0.500
1,2-Dichloropropane	<0.500		0.500
1,3-Dichloropropane	<0.500		0.500
1,4-Dichlorobenzene	<0.500		0.500
2,2-Dichloropropane	<0.500		0.500
Benzene	<0.500		0.500
Bromobenzene	<0.500		0.500
Bromochloromethane	<0.500		0.500
Bromomethane	<0.500		0.500
n-Butylbenzene	<0.500		0.500
cis-1,2-Dichloroethene	<0.500		0.500
cis-1,3-Dichloropropene	<0.500		0.500
Carbon tetrachloride	<0.500		0.500
Chlorobenzene	<0.500		0.500
Chloroethane	<0.500		0.500
Chloromethane	<0.500		0.500
Dibromomethane	<0.500		0.500
Ethylbenzene	<0.500		0.500
Dichlorodifluoromethane	<0.500		0.500
Hexachlorobutadiene	<0.500		0.500
Isopropylbenzene	<0.500		0.500
p-Isopropyltoluene	<0.500		0.500
Methylene Chloride	<0.500		0.500
m-Xylene & p-Xylene	<0.500		0.500
Methyl tert-butyl ether	<0.500		0.500
o-Xylene	<0.500		0.500
Tetrachloroethene	<0.500		0.500
Toluene	<0.500		0.500
trans-1,2-Dichloroethene	<0.500		0.500
trans-1,3-Dichloropropene	<0.500		0.500
Trichloroethene	<0.500		0.500
tert-Butylbenzene	<0.500		0.500

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Client Sample ID: Well 31

Lab Sample ID: 420-79020-1

Date Sampled: 06/19/2014 1000

Client Matrix: Drinking Water

Date Received: 06/19/2014 1225

524.2 Purgeable Organic Compounds in Water by GC/MS

Method: 524.2

Analysis Batch: 420-76550

Instrument ID: HP

Preparation: N/A

Lab File ID: V062013.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 06/20/2014 1508

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result (ug/L)	Qualifier	RL
Trichlorofluoromethane	<0.500		0.500
Vinyl chloride	<0.500		0.500
Xylenes, Total	<0.500		0.500
Styrene	<0.500		0.500
sec-Butylbenzene	<0.500		0.500
1,3,5-Trimethylbenzene	<0.500		0.500
N-Propylbenzene	<0.500		0.500
1,3-Dichlorobenzene	<0.500		0.500
2-Chlorotoluene	<0.500		0.500
4-Chlorotoluene	<0.500		0.500

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	93	71 - 120
Toluene-d8 (Surr)	96	79 - 121
1,2-Dichloroethane-d4 (Surr)	94	70 - 128

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Client Sample ID: Well 31

Lab Sample ID: 420-79020-1
Client Matrix: Drinking WaterDate Sampled: 06/19/2014 1000
Date Received: 06/19/2014 1225**200.7 Rev 4.4 ICP Metals by 200.7**

Method:	200.7 Rev 4.4	Analysis Batch:	420-76627	Instrument ID:	Thermo ICP
Preparation:	200	Prep Batch:	420-76556	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/24/2014 1753			Final Weight/Volume:	50 mL
Date Prepared:	06/23/2014 1107				

Analyte	Result (ug/L)	Qualifier	RL
Iron	288		60.0
Manganese	295		10.0
Sodium	3970		200
Zinc	28.1		20.0

200.7 Rev 4.4 ICP Metals by 200.7-Dissolved

Method:	200.7 Rev 4.4	Analysis Batch:	420-76727	Instrument ID:	Thermo ICP
Preparation:	200.7	Prep Batch:	420-76597	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	mL
Date Analyzed:	06/26/2014 2241			Final Weight/Volume:	mL
Date Prepared:	06/24/2014 1123				

Analyte	Result (ug/L)	Qualifier	RL
Iron	117		60.0
Manganese	246		10.0

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Client Sample ID: Well 31

Lab Sample ID: 420-79020-1
Client Matrix: Drinking WaterDate Sampled: 06/19/2014 1000
Date Received: 06/19/2014 1225**200.8 ICPMS Metals by 200.8**

Method:	200.8	Analysis Batch:	420-76848	Instrument ID:	Perkin Elmer ELAN
Preparation:	200	Prep Batch:	420-76511	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	mL
Date Analyzed:	06/30/2014 1509			Final Weight/Volume:	mL
Date Prepared:	06/20/2014 1444				

Analyte	Result (ug/L)	Qualifier	RL
Pb	<1.00		1.00
Arsenic	<1.40		1.40
Beryllium	<0.300		0.300
Cadmium	<1.00		1.00
Chromium	<7.00		7.00
Nickel	3.00		0.500
Antimony	<0.400		0.400
Thallium	<0.300		0.300
Barium	4.42		2.00
Selenium	<2.00		2.00

Method:	200.8	Analysis Batch:	420-76848	Instrument ID:	Perkin Elmer ELAN
Preparation:	200.8	Prep Batch:	420-76595	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	06/30/2014 1618			Final Weight/Volume:	50 mL
Date Prepared:	06/24/2014 1052				

Analyte	Result (ug/L)	Qualifier	RL
Silver	<1.00		1.00

245.1 Mercury in Water by CVAA

Method:	245.1	Analysis Batch:	420-76716	Instrument ID:	Perkin Elmer FIMS
Preparation:	245.1	Prep Batch:	420-76674	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	25 mL
Date Analyzed:	06/26/2014 1528			Final Weight/Volume:	25 mL
Date Prepared:	06/26/2014 1059				

Analyte	Result (ug/L)	Qualifier	RL
Mercury	<0.200		0.200

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Client Sample ID: Well 31

Lab Sample ID: 420-79020-1
Client Matrix: Drinking WaterDate Sampled: 06/19/2014 1000
Date Received: 06/19/2014 1225

SM 2340B Hardness by CalculationMethod: SM 2340B
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/24/2014 1753
Date Prepared: N/A

Analysis Batch: 420-76650

Instrument ID: None
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result (mg/L)	Qualifier
Calcium hardness as calcium carbonate	68.1	RL 1.25

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Biology**Client Sample ID: Well 31**Lab Sample ID: 420-79020-1
Client Matrix: Drinking WaterDate Sampled: 06/19/2014 1000
Date Received: 06/19/2014 1225

Analyte	Result	Qual	Units	Dil	Method
Coliform, Total	Absent		CFU/100mL	1.0	SM 9223
	Any Batch: 420-76477	Date Analyzed	06/19/2014 1738		
Escherichia coli	Absent		CFU/100mL	1.0	SM 9223
	Any Batch: 420-76477	Date Analyzed	06/19/2014 1738		

Analyte	Result	Qual	Units	RL	Dil	Method
Heterotrophic Plate Count	15.0		CFU/mL	2.00	1.0	SIMPLATE
	Any Batch: 420-76482	Date Analyzed	06/19/2014 1500			

General Chemistry

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

General Chemistry**Client Sample ID: Well 31**Lab Sample ID: 420-79020-1
Client Matrix: Drinking WaterDate Sampled: 06/19/2014 1000
Date Received: 06/19/2014 1225

Analyte	Result	Qual	Units	RL	Dil	Method
Nitrate as N	<0.250		mg/L	0.250	1.0	300.0
	Any Batch: 420-76544	Date Analyzed	06/20/2014 1304			

Analyte	Result	Qual	Units		Dil	Method
Langelier Index	-0.600		NONE		1.0	SM 2330B
	Any Batch: 420-77003	Date Analyzed	07/08/2014 0745			

Analytical Data

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

General Chemistry**Client Sample ID: Well 31**

Lab Sample ID: 420-79020-1

Date Sampled: 06/19/2014 1000

Client Matrix: Drinking Water

Date Received: 06/19/2014 1225

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	71.2		mg/L	5.00	1.0	SM 2320B
	Any Batch: 420-76609	Date Analyzed	06/24/2014 0913			
Total Dissolved Solids	144		mg/L	5.00	1.0	SM 2540C
	Any Batch: 420-76547	Date Analyzed	06/22/2014 1600			
Chloride	<1.50		mg/L	1.50	1.0	300.0
	Any Batch: 420-76544	Date Analyzed	06/20/2014 1304			
Sulfate	21.6		mg/L	5.00	1.0	300.0
	Any Batch: 420-76544	Date Analyzed	06/20/2014 1304			
Fluoride	<0.500		mg/L	0.500	1.0	300.0
	Any Batch: 420-76544	Date Analyzed	06/20/2014 1304			
Cyanide, Total	<0.00500		mg/L	0.00500	1.0	SM 4500 CN E
	Any Batch: 420-76704	Date Analyzed	06/26/2014 1400			
	Prep Batch: 420-76702	Date Prepared:	06/26/2014 0845			
Apparent Color	5.00		Pt-Co	2.00	1.0	2120B
	Any Batch: 420-76539	Date Analyzed	06/20/2014 1109			
pH@color measurement	7.74		SU	2.00	1.0	2120B
	Any Batch: 420-76539	Date Analyzed	06/20/2014 1109			
Turbidity	2.08		NTU	0.100	1.0	SM 2130B
	Any Batch: 420-76541	Date Analyzed	06/20/2014 1631			
Odor	1.00		T.O.N.	1.00	1.0	SM 2150B
	Any Batch: 420-76540	Date Analyzed	06/20/2014 1252			
Temp @ Odor Measurement	63.0		Degrees C	5.00	1.0	SM 2150B
	Any Batch: 420-76540	Date Analyzed	06/20/2014 1252			
pH	7.74	H	SU	0.200	1.0	SM 4500 H+ B
	Any Batch: 420-76493	Date Analyzed	06/19/2014 1738			
Temp @ pH Measurement	21.1		Degrees C	5.00	1.0	SM 4500 H+ B
	Any Batch: 420-76493	Date Analyzed	06/19/2014 1738			
Nitrite as N	<0.0100		mg/L	0.0100	1.0	SM 4500B
	Any Batch: 420-76523	Date Analyzed	06/19/2014 1520			
Sulfide	<0.100		mg/L	0.100	1.0	SM 4500 S2 D
	Any Batch: 420-76600	Date Analyzed	06/24/2014 1141			

DATA REPORTING QUALIFIERS

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Lab Section	Qualifier	Description
General Chemistry	H	Sample was prepped or analyzed beyond the specified holding time

Definitions and Glossary

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum quantitation levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

CHAIN OF CUSTODY

REPORT# (Lab Use Only)

Lab Name: **EnviroTest Laboratories**
Address & Phone: **315 Fullerton Avenue, New York, NY 10022-4209**

Lab Name: **EnviroTest Laboratories**
Address & Phone: **315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890**

[illegible]

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Leggette, Brashears & Graham, Inc.

Job Number: 420-79020-1

Login Number: 79020

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	6.4 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	False	pH
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



Laboratory Results

for *Giardia* & *Cryptosporidium* Analysis

Page 1 of 2



24 Oak Brook Drive • Ithaca • NY • 14850-8717 • Phone (607) 272-8902 • Fax (607) 256-7092

ACCOUNT No. **EnviroTest Laboratories Inc.**
AD-12701 315 Fullerton Ave.
Newburgh NY 12550

CONTACT
Ms. Joyce Esposito
1 (845) 562-0890 FAX 1 (412) 331-7434

EPA# NY01507
FL -E87851
PA-68-04514

P.O. No. Project # 42001269

SAMPLE No. 43212	SAMPLE SITE WELL 31	CLIENT IDENTIFICATION 420-79020-1
-------------------------	---------------------	-----------------------------------

SAMPLE DATA

FILTER SAMPLE

WATER TYPE: Ground Water (GW) SAMPLE COLLECTOR: L Antosh
DATE COLLECTED DATE/TIME: Jun 19, 2014 10:00am AMOUNT COLLECTED: 2.64 gal (10 L)
DATE RECEIVED: Jun 20, 2014 TURBIDITY: na
RECEIPT TEMPERATURE (°C): 2.2 pH: na
ELUTION START DATE/TIME: Jun 20, 2014 1:00pm FILTER COLOR: N/A
TOTAL VOLUME OF SEDIMENT: 0.1 ML

SAMPLE NOTES

Accepted

EAL Quality Control
GC Serial Number
QCGC-14-16

Number of Aliquots Examined: 1

ANALYSIS TYPE METHOD EPA 1623 Envirocheck HV G&C

Method Remarks

Method 1623 employs a concentration step (centrifugation, Envirocheck filter or Filta-Max filter), followed by immunomagnetic separation (IMS) and an immunofluorescent stain for *Giardia* and *Cryptosporidium*. Positive and Negative Controls were stained and examined concurrently.

RESULTS

Environmental Associates Ltd. certifies that all quality control elements associated with the above data have been met except as may be noted in the comments section. Results relate only to the sample.

ANALYTE		Cysts Observed	Result per 100L	Result per 1L
<i>Giardia</i>	Empty <i>Giardia</i> Cysts Detected	0	ND	ND
	<i>Giardia</i> Cysts with Amorphous Structure	0	ND	ND
	<i>Giardia</i> Cysts with One Internal Structure	0	ND	ND
	<i>Giardia</i> Cysts with More than One Internal Structure	0	ND	ND
	Total IFA <i>Giardia</i> Count per 100L	0	ND	ND
ANALYTE		Oocysts Observed	Result per 100L	Result per 1L
<i>Cryptosporidium</i>	Empty <i>Cryptosporidium</i> Oocysts Detected	0	ND	ND
	<i>Cryptosporidium</i> Oocysts with Amorphous Structure	0	ND	ND
	<i>Cryptosporidium</i> Oocysts with Internal Structure	0	ND	ND
	Total IFA <i>Cryptosporidium</i> Count per 100L	0	ND	ND
COMMENTS		EQUIVALENT VOLUME EXAMINED: 10L	DETECTION LIMIT PER 100L: <10.00	DETECTION LIMIT PER 1L: <0.100

All limitations of analytical methods, laboratory dilutions, and instruments apply. If there are any questions about this report please contact the person certifying the report at the lab number.

NOTICE: EPA Method 1623 indicates 1 matrix sample is needed for every 20 field samples. Please contact the laboratory for details.

ANALYST Dr. Susan Boutros
ANALYSIS CERTIFIED BY *Susan H. Boutros* President & Lab Director
Dr. Susan Boutros

DATE COMPLETED June 23, 2014

DATE CERTIFIED June 23, 2014



Laboratory Results

for *Giardia* & *Cryptosporidium* Analysis

Page 2 of 2



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ACCOUNT No. **EnviroTest Laboratories Inc.**
AD-12701 315 Fullerton Ave.
Newburgh NY 12550

CONTACT

Ms. Joyce Esposito
1 (845) 562-0890 Fax 1 (412) 331-7434

EPA# NY01507
FL -E87851
PA-68-04514

SAMPLE No. 43212

Quality Control data for

Method 1623

Cryptosporidium and Giardia in Water by Filtration/IMS/FA (EPA-815-R-05-002)

**EAL Quality Control
Serial Number
QCGC-14-16**

Materials	Lot Number	Expiration Date
Waterborne™, Inc. - AccuSpike-IR	81	6/23/2014
Dynal Dynabeads GC-Combo	1078998	9/1/2014
AquaGlo GC Direct	803604	1/1/2015

Positive QC Sample

% Sample Examined	Crypto. Spike	Crypto. Count	Crypto. % Recovery
100	100	80	80.0
% Sample Examined	Giardia Spike	Giardia Count	Giardia % Recovery
100	100	62	62.0

Negative QC Sample

% Sample Examined	Crypto. Spike	Crypto. Count	Crypto. % Recovery
100	0	0	----
% Sample Examined	Giardia Spike	Giardia Count	Giardia % Recovery
100	0	0	----

Note:

ENVIRONMENTAL ASSOCIATES LTD.

24 Oak Brook Drive, Ithaca, NY 14850
(607) 272-8902 Fax (607) 256-7092

REPORT: MICROSCOPIC PARTICULATE ANALYSIS EPA 910/9-92-029

Page 2 of 2



EAL Sample ID: 43213	Well ID# Well 31	Utility Name EnviroTest Laboratories Inc.
--------------------------------	----------------------------	---

Date: 6/19/2014

EPA Relative Surface Water Risk Factors

Primary Particulates	#/100 gallon	Relative Frequency	Relative Risk Factor	Comments
Diatoms	0	NF	0	
Other Algae	0	NF	0	
Insects/larvae	0	NF	0	
Rotifers	0	NF	0	
Plant Debris (with chloro.)	0	NF	0	
EPA Relative Risk = 0				Low Risk

Secondary Particulates

Nematodes	0			
Crustaceans	0			
Amoeba	0			
Non-photo. flag. & ciliates	0			
Photosynthetic flagellates	0			
Other:	0			

COMMENTS: No biological materials were observed. Based upon microscopic particulate analysis and the proposed EPA risk factors associated with bio-indicators there is a low risk of surface contamination (EPA risk factors= 0 low risk).

REFERENCE: Consensus Method for Determining Groundwaters Under the Direct Influence of Surface Water Using Microscopic Particulate Analysis

(MPA) US EPA Manchester Environmental Laboratory, EPA 910/9-92-029, October 1992.

Environmental Associates Ltd. certifies that all quality control elements associated with the above data have been met except as may be noted in the comments section. Results relate only to the sample.

REPORT REVIEWED BY:

Susan H. Boutros
Dr. Susan Boutros
President & Lab Director

DATE: June 30, 2014

Environmental Associates, Ltd.



Pace Analytical Services, Inc.

8 East Tower Circle

Ormond Beach, FL 32174

(386)672-5668

July 03, 2014

Ron Bayer
EnviroTest Laboratories Inc.
315 Fullerton Avenue
Newburgh, NY 12550

RE: Project: LBG, Inc. 42001269
Pace Project No.: 35142778

Dear Ron Bayer:

Enclosed are the analytical results for sample(s) received by the laboratory on June 20, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bo Garcia
bo.garcia@pacelabs.com
Project Manager

Enclosures

cc: Debra Bayer, EnviroTest Laboratories Inc.
Renee Cusack, EnviroTest Laboratories Inc.
Joyce Esposito, EnviroTest Laboratories Inc.
Janine Rader, EnviroTest Laboratories Inc.
Meredith Ruthven, EnviroTest Laboratories Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601
ACCLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235

Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: PA014572014-4
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35142778001	Well 31	Drinking Water	06/19/14 10:00	06/20/14 10:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35142778001	Well 31	EPA 504.1	IRL	2	PASI-O
		EPA 508.1	JTJ	18	PASI-O
		EPA 515.3	LJM	8	PASI-O
		EPA 531.1	LAJ	9	PASI-O
		EPA 547	LAJ	1	PASI-O
		EPA 549.2	LAJ	1	PASI-O
		EPA 525.2	TWB	8	PASI-O
		EPA 548.1	EAO	1	PASI-O
		SM 7500Rn-B	FCC	1	PASI-PA
		EPA 900.0	FCC	2	PASI-PA
		EPA 903.1	SLA	1	PASI-PA
		EPA 904.0	JMR	1	PASI-PA
		EPA 908.0	LAL	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

Sample: Well 31		Lab ID: 35142778001	Collected: 06/19/14 10:00	Received: 06/20/14 10:30	Matrix: Drinking Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
504.1 GCS EDB and DBCP		Analytical Method: EPA 504.1 Preparation Method: EPA 504.1							
1,2-Dibromo-3-chloropropane	<0.0050	ug/L	0.021	0.0050	1	06/23/14 12:30	06/23/14 22:16	96-12-8	
1,2-Dibromoethane (EDB)	<0.0064	ug/L	0.010	0.0064	1	06/23/14 12:30	06/23/14 22:16	106-93-4	
508.1 GCS Pesticides		Analytical Method: EPA 508.1 Preparation Method: EPA 508.1							
Alachlor	<0.032	ug/L	0.19	0.032	1	06/23/14 09:30	06/23/14 21:33	15972-60-8	
Atrazine	<0.020	ug/L	0.094	0.020	1	06/23/14 09:30	06/23/14 21:33	1912-24-9	
gamma-BHC (Lindane)	<0.0028	ug/L	0.019	0.0028	1	06/23/14 09:30	06/23/14 21:33	58-89-9	
Butachlor	<0.014	ug/L	0.094	0.014	1	06/23/14 09:30	06/23/14 21:33	23184-66-9	
Chlordane (Technical)	<0.044	ug/L	0.19	0.044	1	06/23/14 09:30	06/23/14 21:33	57-74-9	
Dieldrin	<0.013	ug/L	0.094	0.013	1	06/23/14 09:30	06/23/14 21:33	60-57-1	
Endrin	<0.0019	ug/L	0.0094	0.0019	1	06/23/14 09:30	06/23/14 21:33	72-20-8	
Heptachlor	<0.0057	ug/L	0.038	0.0057	1	06/23/14 09:30	06/23/14 21:33	76-44-8	
Heptachlor epoxide	<0.0028	ug/L	0.019	0.0028	1	06/23/14 09:30	06/23/14 21:33	1024-57-3	
Hexachlorobenzene	<0.010	ug/L	0.094	0.010	1	06/23/14 09:30	06/23/14 21:33	118-74-1	
Hexachlorocyclopentadiene	<0.030	ug/L	0.094	0.030	1	06/23/14 09:30	06/23/14 21:33	77-47-4	
Methoxychlor	<0.013	ug/L	0.094	0.013	1	06/23/14 09:30	06/23/14 21:33	72-43-5	
Metolachlor	<0.010	ug/L	0.094	0.010	1	06/23/14 09:30	06/23/14 21:33	51218-45-2	
PCB, Total	<0.075	ug/L	0.094	0.075	1	06/23/14 09:30	06/23/14 21:33	1336-36-3	
Propachlor	<0.0094	ug/L	0.094	0.0094	1	06/23/14 09:30	06/23/14 21:33	1918-16-7	
Simazine	<0.042	ug/L	0.066	0.042	1	06/23/14 09:30	06/23/14 21:33	122-34-9	
Toxaphene	<0.57	ug/L	0.94	0.57	1	06/23/14 09:30	06/23/14 21:33	8001-35-2	
Surrogates									
Decachlorobiphenyl (S)	118 %		70-130		1	06/23/14 09:30	06/23/14 21:33	2051-24-3	
515.3 Chlorinated Herbicides		Analytical Method: EPA 515.3 Preparation Method: EPA 515.3							
2,4-D	<0.081	ug/L	0.10	0.081	1	06/23/14 08:00	06/25/14 19:24	94-75-7	
Dalapon	<0.89	ug/L	1.0	0.89	1	06/23/14 08:00	06/25/14 19:24	75-99-0	
Dicamba	<0.067	ug/L	0.10	0.067	1	06/23/14 08:00	06/25/14 19:24	1918-00-9	
Dinoseb	<0.16	ug/L	0.20	0.16	1	06/23/14 08:00	06/25/14 19:24	88-85-7	
Pentachlorophenol	<0.030	ug/L	0.040	0.030	1	06/23/14 08:00	06/25/14 19:24	87-86-5	
Picloram	<0.094	ug/L	0.10	0.094	1	06/23/14 08:00	06/25/14 19:24	1918-02-1	
2,4,5-TP (Silvex)	<0.16	ug/L	0.20	0.16	1	06/23/14 08:00	06/25/14 19:24	93-72-1	
Surrogates									
2,4-DCAA (S)	74 %		70-130		1	06/23/14 08:00	06/25/14 19:24	19719-28-9	
531.1 HPLC Carbamates		Analytical Method: EPA 531.1							
Aldicarb	<0.70	ug/L	2.0	0.70	1		06/23/14 22:44	116-06-3	
Aldicarb sulfone	<0.60	ug/L	2.0	0.60	1		06/23/14 22:44	1646-88-4	
Aldicarb sulfoxide	<0.67	ug/L	2.0	0.67	1		06/23/14 22:44	1646-87-3	
Carbofuran	<0.75	ug/L	2.0	0.75	1		06/23/14 22:44	1563-66-2	
3-Hydroxycarbofuran	<0.51	ug/L	2.0	0.51	1		06/23/14 22:44	16655-82-6	
Methomyl	<0.57	ug/L	2.0	0.57	1		06/23/14 22:44	16752-77-5	
Oxamyl	<0.47	ug/L	2.0	0.47	1		06/23/14 22:44	23135-22-0	
Carbaryl	<0.28	ug/L	2.0	0.28	1		06/23/14 22:44	63-25-2	
Surrogates									
Propoxur (S)	97 %		80-120		1		06/23/14 22:44	114-26-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

Sample: Well 31		Lab ID: 35142778001	Collected: 06/19/14 10:00	Received: 06/20/14 10:30	Matrix: Drinking Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
547 HPLC Glyphosate	Analytical Method: EPA 547								
Glyphosate	<5.4 ug/L		6.0	5.4	1		06/25/14 12:44		
549.2 HPLC Paraquat Diquat	Analytical Method: EPA 549.2 Preparation Method: EPA 549.2								
Diquat	<0.15 ug/L		0.40	0.15	1	06/24/14 14:00	06/26/14 12:11	85-00-7	
525.2 Base Neutral Extractable	Analytical Method: EPA 525.2 Preparation Method: EPA 525.2								
Aldrin	<0.034 ug/L		0.094	0.034	1	06/23/14 09:30	06/24/14 23:22	309-00-2	
Benzo(a)pyrene	<0.018 ug/L		0.094	0.018	1	06/23/14 09:30	06/24/14 23:22	50-32-8	
bis(2-Ethylhexyl)adipate	<0.36 ug/L		1.5	0.36	1	06/23/14 09:30	06/24/14 23:22	103-23-1	
bis(2-Ethylhexyl)phthalate	<0.47 ug/L		1.9	0.47	1	06/23/14 09:30	06/24/14 23:22	117-81-7	
Metribuzin	<0.029 ug/L		0.28	0.029	1	06/23/14 09:30	06/24/14 23:22	21087-64-9	
Surrogates									
1,3-Dimethyl-2-nitrobenzene(S)	114 %		70-130		1	06/23/14 09:30	06/24/14 23:22	81209	
Perylene-d12 (S)	87 %		70-130		1	06/23/14 09:30	06/24/14 23:22	1520963	
Triphenylphosphate (S)	100 %		70-130		1	06/23/14 09:30	06/24/14 23:22	115-86-6	
548.1 GCS Endothall	Analytical Method: EPA 548.1 Preparation Method: EPA 548.1								
Endothall	<4.1 ug/L		9.0	4.1	1	06/25/14 18:35	06/26/14 06:58		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

QC Batch:	GCSV/11639	Analysis Method:	EPA 531.1
QC Batch Method:	EPA 531.1	Analysis Description:	531.1 HPLC Carbamate
Associated Lab Samples:	35142778001		

METHOD BLANK: 935263 Matrix: Water
Associated Lab Samples: 35142778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
3-Hydroxycarbofuran	ug/L	<0.51	2.0	06/23/14 13:51	
Aldicarb	ug/L	<0.70	2.0	06/23/14 13:51	
Aldicarb sulfone	ug/L	<0.60	2.0	06/23/14 13:51	
Aldicarb sulfoxide	ug/L	<0.67	2.0	06/23/14 13:51	
Carbaryl	ug/L	<0.28	2.0	06/23/14 13:51	
Carbofuran	ug/L	<0.75	2.0	06/23/14 13:51	
Methomyl	ug/L	<0.57	2.0	06/23/14 13:51	
Oxamyl	ug/L	<0.47	2.0	06/23/14 13:51	
Propoxur (S)	%	80	80-120	06/23/14 13:51	

LABORATORY CONTROL SAMPLE: 935264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3-Hydroxycarbofuran	ug/L	10	10.4	104	80-120	
Aldicarb	ug/L	10	11.9	119	80-120	
Aldicarb sulfone	ug/L	10	11.1	111	80-120	
Aldicarb sulfoxide	ug/L	10	10.8	108	80-120	
Carbaryl	ug/L	10	10.7	107	80-120	
Carbofuran	ug/L	10	10.9	109	80-120	
Methomyl	ug/L	10	10.6	106	80-120	
Oxamyl	ug/L	10	10.9	109	80-120	
Propoxur (S)	%			102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 935265 935266

Parameter	Units	35142580001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
3-Hydroxycarbofuran	ug/L	0.51U	10	10	10.4	10.2	104	102	80-120	1	20
Aldicarb	ug/L	0.70U	10	10	12.0	10.8	120	108	80-120	10	20
Aldicarb sulfone	ug/L	0.60U	10	10	11.5	11.4	115	114	80-120	1	20
Aldicarb sulfoxide	ug/L	0.67U	10	10	10	9.6	100	96	80-120	3	20
Carbaryl	ug/L	0.28U	10	10	11.2	10.2	112	102	80-120	9	20
Carbofuran	ug/L	0.75U	10	10	11.0	9.3	110	93	80-120	17	20
Methomyl	ug/L	0.57U	10	10	9.7	9.1	97	91	80-120	6	20
Oxamyl	ug/L	0.47U	10	10	10.4	10	104	100	80-120	4	20
Propoxur (S)	%						104	96	80-120		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

QC Batch:	GCSV/11656	Analysis Method:	EPA 547
QC Batch Method:	EPA 547	Analysis Description:	547 HPLC Glyphosate
Associated Lab Samples:	35142778001		

METHOD BLANK: 936139
Associated Lab Samples: 35142778001

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Glyphosate	ug/L	<5.4	6.0	06/25/14 11:50	

LABORATORY CONTROL SAMPLE: 936140

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Glyphosate	ug/L	50	49.0	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 936141 936142

Parameter	Units	205334001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Glyphosate	ug/L	ND	50	50	50.9	52.7	102	105	80-120	4	30	

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REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

QC Batch:	OEXT/17799	Analysis Method:	EPA 504.1
QC Batch Method:	EPA 504.1	Analysis Description:	504 EDB DBCP
Associated Lab Samples:	35142778001		

METHOD BLANK: 935286
Associated Lab Samples: 35142778001

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	<0.0049	0.020	06/23/14 18:45	
1,2-Dibromoethane (EDB)	ug/L	<0.0062	0.010	06/23/14 18:45	

LABORATORY CONTROL SAMPLE & LCSD: 935287

935288

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.24	0.30	96	121	70-130	23	40	
1,2-Dibromoethane (EDB)	ug/L	.25	0.31	0.31	124	123	70-130	.5	40	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 935289

935290

Parameter	Units	92206096006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	ND	.44	.44	0.42	0.35	97	81	65-135	18	40
1,2-Dibromoethane (EDB)	ug/L	ND	.44	.44	0.52	0.49	120	113	65-135	6	40

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269

Pace Project No.: 35142778

QC Batch:	OEXT/17790	Analysis Method:	EPA 508.1
QC Batch Method:	EPA 508.1	Analysis Description:	508 GCS Pesticide
Associated Lab Samples:	35142778001		

METHOD BLANK: 933816

Matrix: Water

Associated Lab Samples: 35142778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alachlor	ug/L	<0.034	0.20	06/23/14 19:00	
Atrazine	ug/L	<0.021	0.10	06/23/14 19:00	
Butachlor	ug/L	<0.015	0.10	06/23/14 19:00	
Chlordane (Technical)	ug/L	<0.047	0.20	06/23/14 19:00	
Dieldrin	ug/L	<0.014	0.10	06/23/14 19:00	
Endrin	ug/L	<0.0020	0.010	06/23/14 19:00	
gamma-BHC (Lindane)	ug/L	<0.0030	0.020	06/23/14 19:00	
Heptachlor	ug/L	<0.0060	0.040	06/23/14 19:00	
Heptachlor epoxide	ug/L	<0.0030	0.020	06/23/14 19:00	
Hexachlorobenzene	ug/L	<0.011	0.10	06/23/14 19:00	
Hexachlorocyclopentadiene	ug/L	<0.032	0.10	06/23/14 19:00	
Methoxychlor	ug/L	<0.014	0.10	06/23/14 19:00	
Metolachlor	ug/L	<0.011	0.10	06/23/14 19:00	
PCB, Total	ug/L	<0.080	0.10	06/23/14 19:00	
Propachlor	ug/L	<0.010	0.10	06/23/14 19:00	
Simazine	ug/L	<0.044	0.070	06/23/14 19:00	
Toxaphene	ug/L	<0.61	1.0	06/23/14 19:00	
Decachlorobiphenyl (S)	%	91	70-130	06/23/14 19:00	

LABORATORY CONTROL SAMPLE: 933817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alachlor	ug/L	1	1.1	113	70-130	
Atrazine	ug/L	1.2	1.3	105	70-130	
Butachlor	ug/L	.5	0.56	113	70-130	
Dieldrin	ug/L	.5	0.59	118	70-130	
Endrin	ug/L	.05	0.061	122	70-130	
gamma-BHC (Lindane)	ug/L	.1	0.11	111	70-130	
Heptachlor	ug/L	.2	0.22	108	70-130	
Heptachlor epoxide	ug/L	.1	0.11	111	70-130	
Hexachlorobenzene	ug/L	.5	0.51	101	70-130	
Hexachlorocyclopentadiene	ug/L	.5	0.39	79	70-130	
Methoxychlor	ug/L	.5	0.58	115	70-130	
Metolachlor	ug/L	.5	0.53	107	70-130	
Propachlor	ug/L	.5	0.53	106	70-130	
Simazine	ug/L	.88	0.76	87	70-130	
Decachlorobiphenyl (S)	%			100	70-130	

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 935250 935251											
Parameter	Units	35142925001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Alachlor	ug/L	0.032U	2	2	2.3	2.2	113	111	70-130	2	40
Atrazine	ug/L	0.020U	2.5	2.5	2.4	2.4	95	97	70-130	3	40
Butachlor	ug/L	0.014U	1	1	1.1	1.1	110	110	70-130	.03	40
Dieldrin	ug/L	0.013U	1	1	1.2	1.2	120	117	70-130	2	40
Endrin	ug/L	0.0019U	.1	.1	0.13	0.12	128	120	70-130	6	40
gamma-BHC (Lindane)	ug/L	0.0029U	.2	.2	0.21	0.21	107	104	70-130	3	40
Heptachlor	ug/L	0.0057U	.4	.4	0.44	0.43	111	107	70-130	3	40
Heptachlor epoxide	ug/L	0.0029U	.2	.2	0.21	0.22	104	112	70-130	7	40
Hexachlorobenzene	ug/L	0.010U	1	1	1.0	1.0	102	100	70-130	2	40
Hexachlorocyclopentadiene	ug/L	0.030U	1	1	1.1	1.0	110	105	70-130	5	40
Methoxychlor	ug/L	0.013U	1	1	1.2	1.2	124	125	70-130	1	40
Metolachlor	ug/L	0.010U	1	1	0.96	1.1	96	105	70-130	10	40
Propachlor	ug/L	0.0095U	1	1	1.1	1.1	109	107	70-130	1	40
Simazine	ug/L	0.042U	1.8	1.8	1.6	1.5	94	88	70-130	6	40
Decachlorobiphenyl (S)	%						96	92	70-130		40

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269

Pace Project No.: 35142778

QC Batch:	OEXT/17798	Analysis Method:	EPA 515.3
QC Batch Method:	EPA 515.3	Analysis Description:	5153 GCS Herbicides
Associated Lab Samples:	35142778001		

METHOD BLANK: 935252

Matrix: Water

Associated Lab Samples: 35142778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-TP (Silvex)	ug/L	<0.16	0.20	06/25/14 15:14	
2,4-D	ug/L	<0.081	0.10	06/25/14 15:14	
Dalapon	ug/L	<0.89	1.0	06/25/14 15:14	
Dicamba	ug/L	<0.067	0.10	06/25/14 15:14	
Dinoseb	ug/L	<0.16	0.20	06/25/14 15:14	
Pentachlorophenol	ug/L	<0.030	0.040	06/25/14 15:14	
Picloram	ug/L	<0.094	0.10	06/25/14 15:14	
2,4-DCAA (S)	%	83	70-130	06/25/14 15:14	

LABORATORY CONTROL SAMPLE: 935253

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-TP (Silvex)	ug/L	1	0.94	94	70-130	
2,4-D	ug/L	.5	0.38	76	70-130	
Dalapon	ug/L	5	5.1	103	70-130	
Dicamba	ug/L	.5	0.53	107	70-130	
Dinoseb	ug/L	1	0.92	92	70-130	
Pentachlorophenol	ug/L	.2	0.20	98	70-130	
Picloram	ug/L	.5	0.46	93	70-130	
2,4-DCAA (S)	%			84	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 935254 935255

Parameter	Units	35142863001		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.				RPD	RPD	
2,4,5-TP (Silvex)	ug/L	0.16U		1	1	0.82	0.92	82	92	70-130	11	40	
2,4-D	ug/L	0.081U		.5	.5	0.53	0.56	106	113	70-130	6	40	
Dalapon	ug/L	45.3		5	5	44.6	46.4	-15	21	70-130	4	40 M1	
Dicamba	ug/L	0.067U		.5	.5	0.56	0.61	111	122	70-130	10	40	
Dinoseb	ug/L	0.16U		1	1	0.91	1.0	91	102	70-130	12	40	
Pentachlorophenol	ug/L	0.030U		.2	.2	0.16	0.18	80	90	70-130	12	40	
Picloram	ug/L	0.094U		.5	.5	0.59	0.60	118	120	70-130	1	40	
2,4-DCAA (S)	%							82	86	70-130			

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			935256		935257							
Parameter	35142926004		MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Max	Qual
	Units	Result	Spike Conc.	Spike Conc.							RPD	
2,4,5-TP (Silvex)	ug/L	0.16U	1	1	0.87	0.90	87	90	70-130	3	40	
2,4-D	ug/L	0.081U	.5	.5	0.43	0.40	86	80	70-130	8	40	
Dalapon	ug/L	0.89U	5	5	4.6	4.7	92	94	70-130	2	40	
Dicamba	ug/L	0.067U	.5	.5	0.48	0.49	96	99	70-130	3	40	
Dinoseb	ug/L	0.16U	1	1	1.0	1.1	101	106	70-130	5	40	
Pentachlorophenol	ug/L	0.030U	.2	.2	0.19	0.20	95	98	70-130	4	40	
Picloram	ug/L	0.094U	.5	.5	0.47	0.44	95	88	70-130	7	40	
2,4-DCAA (S)	%						75	68	70-130			S0

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REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

QC Batch:	OEXT/17791	Analysis Method:	EPA 525.2
QC Batch Method:	EPA 525.2	Analysis Description:	525.2 Base Neutral Extractables
Associated Lab Samples:	35142778001		

METHOD BLANK: 933819 Matrix: Water
Associated Lab Samples: 35142778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aldrin	ug/L	<0.036	0.10	06/24/14 19:58	
Benzo(a)pyrene	ug/L	<0.019	0.10	06/24/14 19:58	
bis(2-Ethylhexyl)adipate	ug/L	<0.38	1.6	06/24/14 19:58	
bis(2-Ethylhexyl)phthalate	ug/L	<0.50	2.0	06/24/14 19:58	
Metribuzin	ug/L	<0.031	0.30	06/24/14 19:58	
1,3-Dimethyl-2-nitrobenzene(S)	%	117	70-130	06/24/14 19:58	
Perylene-d12 (S)	%	91	70-130	06/24/14 19:58	
Triphenylphosphate (S)	%	100	70-130	06/24/14 19:58	

LABORATORY CONTROL SAMPLE: 933820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aldrin	ug/L	.4	0.37	94	70-130	
Benzo(a)pyrene	ug/L	.4	0.35	86	70-130	
bis(2-Ethylhexyl)adipate	ug/L	6.4	5.7	89	70-130	
bis(2-Ethylhexyl)phthalate	ug/L	8	7.1	89	70-130	
Metribuzin	ug/L	1.2	1.4	116	70-130	
1,3-Dimethyl-2-nitrobenzene(S)	%			108	70-130	
Perylene-d12 (S)	%			94	70-130	
Triphenylphosphate (S)	%			104	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 935248 935249

Parameter	Units	35142526001		MS		MSD		MS		MSD		MS		MSD		% Rec		Max	
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	% Rec	Conc.	% Rec	Conc.	Limits	RPD	RPD	Qual
Aldrin	ug/L	0.035U	.8	.8	.8	0.16J	.8	0.15J	.8	20	.8	19	70-130	40	M1				
Benzo(a)pyrene	ug/L	0.018U	.8	.8	.8	0.090J	.8	0.11J	.8	11	.8	14	70-130	40	M1				
bis(2-Ethylhexyl)adipate	ug/L	0.37U	12.8	12.8	12.8	12.1	12.0	95	94	70-130	.8	40							
bis(2-Ethylhexyl)phthalate	ug/L	0.48U	16	16	15.3	15.4	95	96	70-130	.9	40								
Metribuzin	ug/L	0.030U	2.4	2.4	2.6	2.7	109	114	70-130	4	40								
1,3-Dimethyl-2-nitrobenzene(S)	%							106	110	70-130									
Perylene-d12 (S)	%							46	52	70-130									S0
Triphenylphosphate (S)	%							102	98	70-130									

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269

Pace Project No.: 35142778

QC Batch:	OEXT/17819	Analysis Method:	EPA 548.1
QC Batch Method:	EPA 548.1	Analysis Description:	548 GCS Endothall
Associated Lab Samples:	35142778001		

METHOD BLANK: 936552
Associated Lab Samples: 35142778001

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Endothall	ug/L	<4.1	9.0	06/25/14 09:12	

LABORATORY CONTROL SAMPLE: 936553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endothall	ug/L	50	43.0	86	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 936784 936785

Parameter	Units	35142863001 Result	MS		MSD		MS		MSD		% Rec Limits	Max		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	RPD	RPD		Qual		
Endothall	ug/L	4.1U	50	50	26.5	25.9	53	52	80-120	2	40	M1		

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

QC Batch:	OEXT/17814	Analysis Method:	EPA 549.2
QC Batch Method:	EPA 549.2	Analysis Description:	549 HPLC Paraquat Diquat
Associated Lab Samples:	35142778001		

METHOD BLANK: 935690
Associated Lab Samples: 35142778001

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diquat	ug/L	<0.15	0.40	06/26/14 12:02	

LABORATORY CONTROL SAMPLE: 935691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diquat	ug/L	2	1.7	85	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 936028 936029

Parameter	Units	35142863001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diquat	ug/L	0.15U	2	2	3.1	3.0	154	148	80-120	3	30	M1

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ANALYTICAL RESULTS

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

Sample: Well 31		Lab ID: 35142778001	Collected: 06/19/14 10:00	Received: 06/20/14 10:30	Matrix: Drinking Water	
PWS:		Site ID:	Sample Type:			
Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radon	SM 7500Rn-B	1,804 ± 93.9 (67.6) C:NA T:NA	pCi/L	06/23/14 17:29	10043-92-2	
Gross Alpha	EPA 900.0	2.30U ± 1.12 (2.30) C:NA T:NA	pCi/L	06/30/14 07:21	12587-46-1	
Gross Beta	EPA 900.0	2.40 ± 1.03 (1.78) C:NA T:NA	pCi/L	06/30/14 07:21	12587-47-2	
Radium-226	EPA 903.1	0.896U ± 0.625 (0.896) C:NA T:83%	pCi/L	06/30/14 14:16	13982-63-3	
Radium-228	EPA 904.0	0.727U ± 0.372 (0.727) C:71% T:90%	pCi/L	06/30/14 15:19	15262-20-1	
Total Uranium	EPA 908.0	0.656 ± 0.166 (0.197) C:NA T:92%	pCi/L	06/27/14 20:34	7440-61-1	

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

QC Batch:	RADC/20299	Analysis Method:	EPA 908.0
QC Batch Method:	EPA 908.0	Analysis Description:	908.0 Total Uranium
Associated Lab Samples:	35142778001		

METHOD BLANK:	748664	Matrix:	Water
Associated Lab Samples:			

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	0.0795 ± 0.127 (0.215) C:NA T:85%	pCi/L	06/27/14 20:34	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

QC Batch:	RADC/20259	Analysis Method:	SM 7500Rn-B
QC Batch Method:	SM 7500Rn-B	Analysis Description:	7500Rn B Radon
Associated Lab Samples:	35142778001		

METHOD BLANK: 747193 Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radon	-1.0 ± 17.6 (30.9) C:NA T:NA	pCi/L	06/23/14 15:59	

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

QC Batch:	RADC/20290	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
Associated Lab Samples:	35142778001		

METHOD BLANK: 748655 Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.332 ± 0.442 (0.921) C:NA T:96%	pCi/L	06/30/14 13:36	

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

QC Batch:	RADC/20292	Analysis Method:	EPA 904.0
QC Batch Method:	EPA 904.0	Analysis Description:	904.0 Radium 228
Associated Lab Samples:	35142778001		

METHOD BLANK: 748657 Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.355 ± 0.371 (0.767) C:68% T:90%	pCi/L	06/30/14 15:20	

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QUALITY CONTROL DATA

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

QC Batch:	RADC/20297	Analysis Method:	EPA 900.0
QC Batch Method:	EPA 900.0	Analysis Description:	900.0 Gross Alpha/Beta
Associated Lab Samples:	35142778001		

METHOD BLANK: 748662 Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	-0.127 ± 0.535 (1.61) C:NA T:NA	pCi/L	06/30/14 07:22	
Gross Beta	0.375 ± 0.764 (1.77) C:NA T:NA	pCi/L	06/30/14 07:22	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

S0 Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LBG, Inc. 42001269
Pace Project No.: 35142778

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35142778001	Well 31	EPA 504.1	OEXT/17799	EPA 504.1	GCSV/11641
35142778001	Well 31	EPA 508.1	OEXT/17790	EPA 508.1	GCSV/11643
35142778001	Well 31	EPA 515.3	OEXT/17798	EPA 515.3	GCSV/11644
35142778001	Well 31	EPA 531.1	GCSV/11639		
35142778001	Well 31	EPA 547	GCSV/11656		
35142778001	Well 31	EPA 549.2	OEXT/17814	EPA 549.2	GCSV/11670
35142778001	Well 31	EPA 525.2	OEXT/17791	EPA 525.2	MSSV/6363
35142778001	Well 31	EPA 548.1	OEXT/17819	EPA 548.1	MSSV/6365
35142778001	Well 31	SM 7500Rn-B	RADC/20259		
35142778001	Well 31	EPA 900.0	RADC/20297		
35142778001	Well 31	EPA 903.1	RADC/20290		
35142778001	Well 31	EPA 904.0	RADC/20292		
35142778001	Well 31	EPA 908.0	RADC/20299		

REPORT OF LABORATORY ANALYSIS

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24 Oak Brook Drive • Ithaca, NY 14850 • (607) 272-8902 • www.EAL-Labs.com • E-Mail: labservice@eal-labs.com

Please refrain from using white space to the right.
**EAL MPA Sample ID Sheet
and Chain of Custody**

Client Information

Client Address:

Organization

Leggette, Brashears & Graham, Inc.

Contact Person Name

Ms. Stacy Stieber

Street Address

4 Research Drive, Suite 301

City

Shelton

State

CT

Zip

06484

Phone

203-929-8555

FAX

1 203 926-9140

Payment Method

☐ Account with EAL ☐ Electronic Check (ACH) ☐ Discover ☐ Mastercard ☐ Visa ☐ Cash

Billing Address:

Organization

EnviroTest Laboratories Inc.

Contact Person Name

Ms. Debbie Bayer

Street Address

315 Fullerton Ave.

City

Newburgh

State

NY

Zip

12550

Phone

1 (845) 562-0890

FAX

Purchase Order #

Sample Information (Mandatory Data in Grey Area)

Water Source Name: Silo Ridge Well 31

PWS or Well ID#: Well 31

Serial Number on Filter*

Meter Reading

Start: 6/19/14 1000

Meter Reading gal.

Optional
Data

Water Temp.:

°C

Conductivity Start:

mS/cm

Water pH:

pH

Total Cl Residual:

mg/L

Turbidity:

NTU

Cl Free:

mg/L



Stop: N/A

Meter Reading gal.

Optional
Data

Water Temp.:

°C

Conductivity Start:

mS/cm

Water pH:

pH

Total Cl Residual:

mg/L

Turbidity:

NTU

Cl Free:

mg/L

Number gallons filtered:
(1 Gallon = 3.785 Liters)

Stacy Stieber

Person Collecting Sample (Please Print Clearly):

Next Day Shipping Service Please mark with X

☐ Fed Ex ☐ UPS ☐ DHL ☐ Other

Collector's Signature

Next Day Shipping Number

Expedited Processing Request *

☐ Weekend Receipt

☐ Weekend Receipt & Processing

☐ 24 Hour

☐ 48 Hour

☐ 3 Day

☐ 5 Day

Telephone Result

☐ Yes ☐ No

Fax Result

☐ Yes ☐ No

Telephone #

Fax #

* Please note extra fees are added for expedited processing times, in order to invoke this service the lab must be notified by phone and signing the line below.

I hereby agree to pay the extra charges associated with Expedited Service

Signature

Relinquished by:	Date	Time	Relinquished by:	Date	Time
Relinquished by:	Date	Time	Received for Environmental Associates Ltd. by:	Date	Time
Shipping Service & Tracking Number			Comments:		



Please refrain from using white space to the right.


EPA Method 1623 Sample Collection Form and Chain of Custody

Utility Information	Shipping Information	For Lab
PWS name: Leggette, Brashears & Graham, Inc. PWS address: 4 Research Drive, Suite 301 Shelton CT 06484 Ph: 803-929-8555	Lab name: Ph. 607-272-8902 Environmental Associates Ltd. Lab address: 24 Oak Brook Dr., Ithaca, NY 14850 Next Day Shipping Service <input type="checkbox"/> Fed Ex <input type="checkbox"/> DHL <input type="checkbox"/> UPS <input type="checkbox"/> Other _____ (Please mark with X) Date shipped: Tracking number:	Date received: Time received: Received by: Sample temperature on receipt: Sample condition on receipt:
Sampler name: <i>Stacy Struber</i>		


Sample Identification Information (the combination of bolded items are used to identify the sample under LT2)

		Billing Info.	Purchase Order #
		EnviroTest Laboratories Inc.	
		Ms. Debbie Bayer	
		315 Fullerton Ave.	
Sample collection point ID:	<i>Silo Ridge well 31</i>	Newburgh NY 12550	
Sample collection point name:	<i>well 31</i>	Ph: 1 (845) 562-0890	
Sample collection date:	<i>6/19/14</i>		
(Mark with X) Source water type ^a (circle one): <input type="checkbox"/> Flowing stream (FS) <input type="checkbox"/> Reservoir/lake (RL) <input type="checkbox"/> GWUDI (b) - FS <input type="checkbox"/> GWUDI (b) - RL			
(Mark with X) Requested analysis (circle one): EPA 1623 Envirocheck HV G&C <input type="checkbox"/> Cryptosporidium field sample <input type="checkbox"/> E. coli <input type="checkbox"/> Cryptosporidium matrix spike			

Sample Collection Information

Cryptosporidium		E. coli	
Initial meter reading (Gallons) (field-filtered samples only):		Sample collection time:	<i>7:00</i>
Final meter reading (Gallons) (field-filtered samples only):		Turbidity (NTU):	
Sample collection time (or start time, if field filtering): <i>10:00</i>		Total Vol. Collected	 * 1 0 6 2 8 *
Sample collection stop time (field-filtered samples only):		Filter Serial Number	
Source water temperature:			
Additional comments:			
Sampler signature: <i>[Signature]</i>		Date:	

Relinquished by:	Date	Time	Relinquished by:	Date	Time
Relinquished by:	Date	Time	Received for Environmental Associates Ltd. by:	Date	Time
Shipping Service & Tracking Number			Comments:		

	Document Name:	Document Revised:
	Sample Condition Upon Receipt Form	October 9, 2013
	Document No.: F-FL-C-007 rev. 05	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: 15

Client Name: Fair test

Project # 35142778

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace

☐ Other _____

Tracking # 7703 5789 7030

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Date and Initials of person examining contents: 6/20/14

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T1165 Type of Ice: ☒ Wet ☐ Blue ☐ None

1030

Cooler Temperature °C 55 (Visual) -0.1 (Correction Factor) 5.4 (Actual)

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen?

☐ Yes ☐ No

Receipt of samples satisfactory: ☒ Yes ☐ No

Rush TAT requested on COC: _____

If yes, then all conditions below were met:

If no, then mark box & describe issue (use comments area if necessary):

Chain of Custody Present	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>	
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>6mm):	<input type="checkbox"/>

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____

Date: 6/20/14

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Size & Qty of Bottles Received

☐ x 5 Gal
☐ x 2.5 Gal
☐ x 1 Gal
☐ x 1 Liter
☐ x 500 mL
☐ x 250 mL
☐ x Other: _____

Extra Sample in Shed: Yes No

Report Prepared for:

Client Services
PASI Florida
8 East Tower Circle
Ormond Beach FL 32174

**REPORT OF
LABORATORY
ANALYSIS FOR
2,3,7,8-TCDD**

Report Summary:

Report Prepared Date:

July 3, 2014

Report Information:


Pace Project #: 10271856
Sample Receipt Date: 06/24/2014
Client Project #: 35142778
Client Sub PO #: N/A
State Cert #: E87605

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 Drinking Water Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Nate Boberg, your Pace Project Manager.

This report has been reviewed by:



July 03, 2014

Nate Boberg, Project Manager

(612) 607-6444 (fax)
nate.boberg@pacelabs.com



Report of Laboratory Analysis

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The results relate only to the samples included in this report.



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Minnesota	027-053-137
Alabama	40770	Mississippi	MN00064
Alaska	MN00064	Montana	92
Arizona	AZ0014	Nebraska	
Arkansas	88-0680	Nevada	MN_00064_200
California	01155CA	New Jersey (NE)	MN002
Colorado	MN00064	New York (NEL)	11647
Connecticut	PH-0256	North Carolina	27700
EPA Region 8	8TMS-Q	North Dakota	R-036
Florida (NELAP)	E87605	Ohio	4150
Georgia (DNR)	959	Oklahoma	D9922
Guam	959	Oregon (ELAP)	MN200001-005
Hawaii	SLD	Oregon (OREL)	MN300001-001
Idaho	MN00064	Pennsylvania	68-00563
Illinois	200012	Puerto Rico	MN00064
Indiana	C-MN-01	Saipan	MP0003
Indiana	C-MN-01	South Carolina	74003001
Iowa	368	Texas	T104704192-08
Kansas	E-10167	Utah (NELAP)	MN00064
Kentucky	90062	Virginia	00251
Louisiana	03086	Washington	C755
Maine	2007029	West Virginia	9952C
Maryland	322	Wisconsin	999407970
Michigan	9909	Wyoming	8TMS-Q

REPORT OF LABORATORY ANALYSIS

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Reporting Flags

- A = Reporting Limit based on signal to noise
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- I = Interference present
- J = Estimated value
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs
- * = See Discussion

REPORT OF LABORATORY ANALYSIS


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Chain of Custody 10271856 1613DW 10271856 Pace Analytical®
www.paceabs.com

Report No.....10271856_1613DW

Workorder: 35142778		Workorder Name: 42001269		Owner Received Date: 6/20/2014		Results Requested By: 7/7/2014	
Report To		Subcontract To		Requested Analysis			
Bo Garcia Pace Analytical Services, Inc. 8 East Tower Circle Ormond Beach, FL 32174 Phone (386)672-5668 Fax (386)672-5668		Pace Analytical Minnesota 1700 Elm Street SE Suite 200 Minneapolis, MN 55414 Phone (612)607-1700					
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers	LAB USE ONLY
1	Well 31	PS	6/19/2014 10:00	35142778001	Drinking	Unpreserved 2	2,3,7,8 Dioxin by 1613
2							
3							
4							
5							
Comments							
Transfers	Released By	Date/Time	Received By	Date/Time			
1	Bo	6/23/14/10:00	Bo	6/24/14 10:00			
2							
3							
Cooler Temperature on Receipt		13 °C	Custody Seal	Y or N	Received on Ice	Y or N	Samples Intact
				N			Y or N

Please E-Mail all results in a
NELAC-compliant Florida MDL
PDF format to the PM listed above
as soon as possible

	Document Name:	Document Revised: 28Feb2014
	Sample Condition Upon Receipt Form	Page 1 of 1
	Document No.: F-MN-L-213-rev.09	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt Client Name: <u>Pace - FL</u> Project #: <u>WO# : 10271856</u>  10271856	Courier: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Client <input type="checkbox"/> Commercial <input type="checkbox"/> Pace <input type="checkbox"/> Speedee <input type="checkbox"/> Other: _____ Tracking Number: <u>96081 9628 4001</u>
---	---

Custody Seal on Cooler/Box Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Packing Material: <input checked="" type="checkbox"/> Bubble Wrap <input checked="" type="checkbox"/> Bubble Bags <input type="checkbox"/> None <input type="checkbox"/> Other: _____ Thermom. Used: <input type="checkbox"/> B88A9130516413 <input type="checkbox"/> B88A912167504 <input checked="" type="checkbox"/> B88A9132521491 Cooler Temp Read (°C): <u>1.2</u> Temp should be above freezing to 6°C	Seals Intact? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Type of Ice: <input checked="" type="checkbox"/> Wet <input type="checkbox"/> Blue <input type="checkbox"/> None <input type="checkbox"/> Samples on ice, cooling process has begun Cooler Temp Corrected (°C): <u>1.3</u> Correction Factor: <u>+0.1</u>	Optional: Proj. Due Date: _____ Proj. Name: _____ Temp Blank? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Biological Tissue Frozen? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Date and Initials of Person Examining Contents: <u>CMIB CQB 5/14</u>
---	--	--

			Comments:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	3.
Sampler Name and/or Signature on COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/>	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/>	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/>	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	9.
-Pace Containers Used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/>	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	10.
Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/>	11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	12.
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>			
All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/>	13.
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/>	Sample #
			Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/>	14.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/>	15.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/>	
Pace Trip Blank Lot # (if purchased):			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review:

Date: 6-25-14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Drinking Water Analysis Results
2,3,7,8-TCDD -- USEPA Method 1613B

Tel: 612-607-1700
Fax: 612-607-6444

Sample ID..... WELL 31
Client..... PASI Florida
Lab Sample ID..... 35142778001

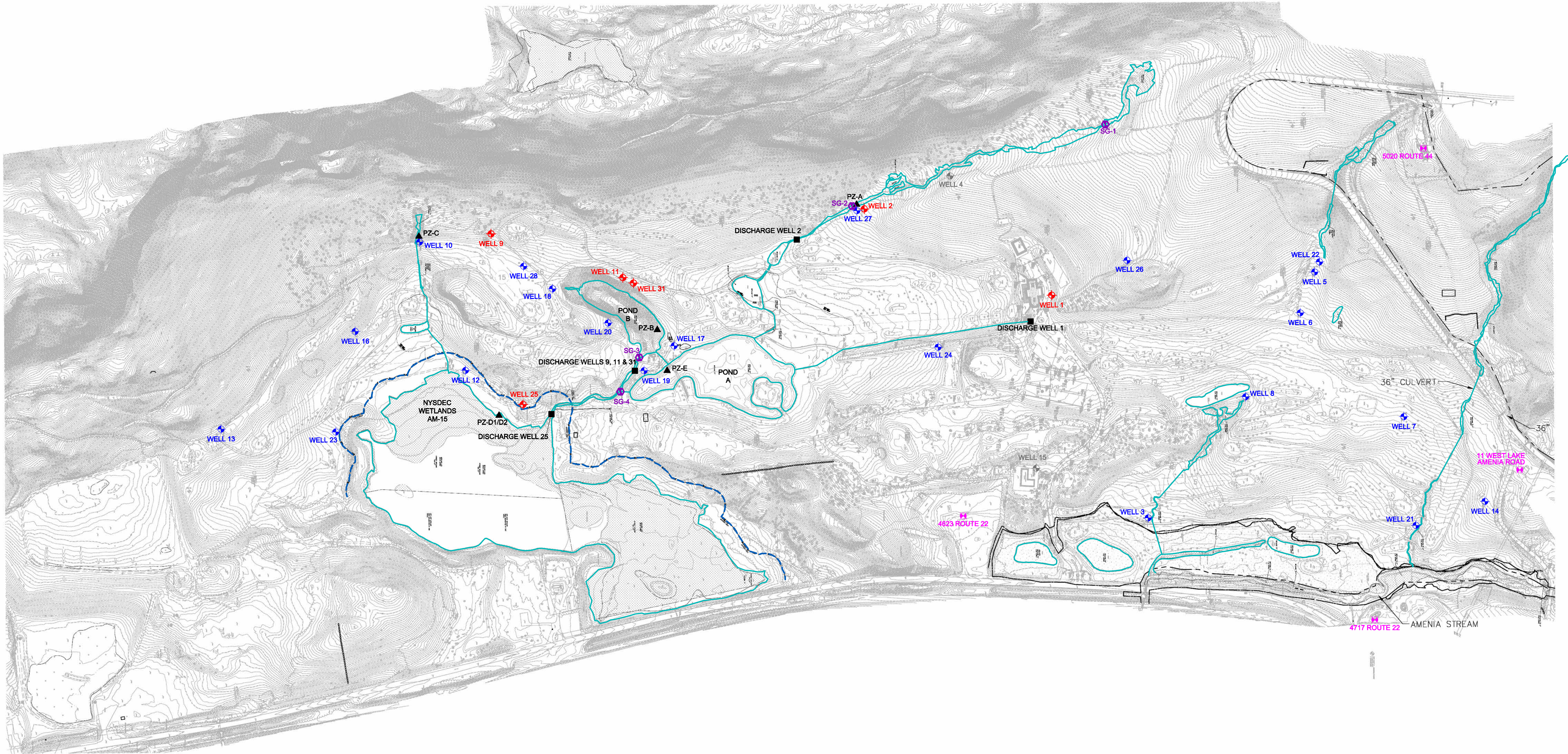
Date Collected.....06/19/2014
Date Received.....06/24/2014
Date Extracted.....07/01/2014

	Sample WELL 31	Method Blank	Lab Spike	Lab Spike Dup
[2,3,7,8-TCDD]	ND	ND	--	--
RL	1.3 pg/L	1.3 pg/L	--	--
2,3,7,8-TCDD Recovery	--	--	104%	100%
Spike Recovery Limit	--	--	73-146%	73-146%
RPD				3.8%
IS Recovery	77%	88%	83%	80%
IS Recovery Limits	31-137%	31-137%	25-141%	25-141%
CS Recovery	94%	92%	94%	94%
CS Recovery Limits	42-164%	42-164%	37-158%	37-158%
Filename	R140702A_08	R140702A_05	R140702A_03	R140702A_04
Analysis Date	07/02/2014	07/02/2014	07/02/2014	07/02/2014
Analysis Time	21:19	19:36	18:28	19:02
Analyst	CVS	CVS	CVS	CVS
Volume	0.930L	1.008L	1.000L	1.013L
Dilution	NA	NA	NA	NA
ICAL Date	07/19/2013	07/19/2013	07/19/2013	07/19/2013
CCAL Filename	R140702A_02	R140702A_02	R140702A_02	R140702A_02

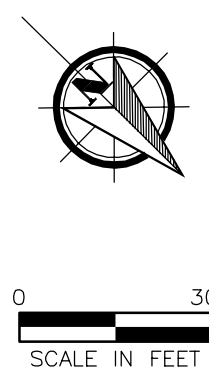
! = Outside the Control Limits
ND = Not Detected
RL = Reporting Limit
Limits = Control Limits from Method 1613 (10/94 Revision), Tables 6A and 7A
RPD = Relative Percent Difference of Lab Spike Recoveries
IS = Internal Standard [2,3,7,8-TCDD-¹³C₁₂]
CS = Cleanup Standard [2,3,7,8-TCDD-³⁷Cl₄]

Analyst: *Chuck Sueper*

PLATE



- LEGEND
- 100-FOOT WETLAND NYSDEC ADJACENT AREA BOUNDARY
 - EXISTING SURFACE WATER FEATURE/STORMWATER DRAINAGE PIPES
 - ★ PUMPING WELL LOCATION
 - ★ MONITORING WELL LOCATION
 - ▲ APPROXIMATE PIEZOMETER LOCATION
 - APPROXIMATE STREAM GAGING LOCATION
 - APPROXIMATE WELL DISCHARGE LOCATION
 - ★ WELL COULD NOT BE LOCATED/WELL NOT ACCESSIBLE
 - ★ APPROXIMATE LOCATION OF OFFSITE WELL MONITORED DURING PUMPING TEST



SILO RIDGE RESORT COMMUNITY
AMENIA, NEW YORK

PUMPING TEST SITE MAP

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Groundwater and Environmental Engineering Services
		4 Research Drive
		Suite 301
		Shelton, Connecticut 06484
		(203) 929-8555
DRAWN:	RAC	CHECKED: SS
DATE:	07/31/14	PLATE: 1