Prepared for:

Thomas Creek Development, LLC 2100 Manzanita Ln Reno, Nevada 89509

Revised Hydrogeologic Assessment Report

8900 Lakeside Dr.

Reno, Nevada 89511

Prepared by:



5450 Louie Lane, Suite 101 Reno, Nevada 89511 (775) 322-7969

www.broadbentinc.com

October 1, 2022



October 1, 2022 Project No. 22-02-169

Adam Giordano and Roger Davidson Project Directors Thomas Creek Development LLC 2100 Manzanita Ln Reno, Nevada 89509

Re: Revised Hydrogeologic Assessment Report

8900 Lakeside Dr. Reno, Nevada 89511

Dear Mr. Giordano and Mr. Davidson:

Broadbent & Associates, Inc. (Broadbent) is pleased to submit the enclosed *Revised Hydrogeologic Assessment Report* for the property located on 8900 Lakeside Dr. Reno, Nevada 89511. Please do not hesitate to contact us if you should have any questions or require additional information.

Sincerely,

BROADBENT & ASSOCIATES, INC.

Morgan Sawyer

Senior Staff Geologist

Matt Herrick, CHG, PG, CEM

Principal Hydrogeologist/Division Manager

cc: Matt Setty, Nevada Environmental Consulting, LLC

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LIST OF ACRONYMS/ABBREVIATIONS

Broadbent: Broadbent & Associates, Inc. MW: Monitoring Well

bls: below land surface ": Inch

Gpm: Gallons per minute °C: Degrees Celsius

PW1: Production Well 1 %: Percent

PW2: Production Well 2 TMWA Truckee Meadows Water Authority

1.0 INTRODUCTION

Thomas Creek Development LLC is pursuing development of 24 single-family residence on 72 acres of land located at 8900 Lakeside Drive in Reno, Nevada (Property). Truckee Meadows Water Authority (TMWA) does not currently service this portion of town and the water supply for the proposed residence may come from domestic wells that would be installed as a part of the development. Broadbent has completed hydrogeologic assessment services including well installation, aquifer testing, and modeling to further understand and evaluate impact to existing domestic wells nearby. An initial Hydrogeologic Assessment Report dated September 19, 2022 was previously issued. A couple changes (detailed below) have been made to models to better represent the project. It is important to note that recommendations have not changed from those provided in the September 19, 2022 Report.

2.0 DRILLING AND WELL INSTALLATION

2.1 PERMITTING

The Nevada State Engineers office issued exploration well waivers for two wells installed to conduct aquifer testing and one waiver for a observation/monitoring well in accordance with NRS 534. The wells are required to be either permitted as a domestic well or abandoned within one year of drilling, or a waiver extension is required. At the conclusion of use, the monitoring well is required to be abandoned per the procedures listed in NRS 534.

The Washoe County District Health Department issued domestic well permits for the two domestic wells. An additional permit was issued for the monitoring well. Included in Appendix A are permits issued by the Nevada State Engineers office and the Washoe County District Health Department.

2.2 DRILLING

From July 13 to the 26, 2022 a Broadbent geologist observed drilling, well construction, and development of three wells. Drilling was completed by Bruce MacKay Pump and Well Service using a mud rotary drill rig. Two production wells (PW1 and PW2) and one monitor well (MW) were installed to better understand the geologic material in the subsurface and complete aquifer testing. Soil cuttings were continuously logged by Broadbent. Well locations are included in Figure 1.

Drilling of the first well (PW1) proceeded to a total depth of 420 feet below land surface (bls). Once the geology was understood including the location of water bearing zones, the second and third wells (PW2 and MW) were completed to 240 and 260 feet bls, respectively. The wells are in close proximity and similar material was encountered in each borehole. Multiple shallow water bearing zones were noted in the alluvium at depths ranging from 40 to 120 feet bls. A deeper alluvial water bearing zone was noted at depths ranging from 130 to 250 feet bls. Here we define the multiple shallow water bearing zones as the shallow alluvial aquifer and the deeper zone as the deep alluvial aquifer. A third aquifer was noted at 345 feet bls consisting of fractured volcanic rock. The third aquifer was observed to

the total depth drilled (420 feet bls) and likely extends to much greater depths. Lithologic and well construction logs are provided in Appendix B.

2.3 WELL CONSTRUCTION

Both production wells were installed with an 11" drill bit and completed with 6" diameter casing. The two inch diameter monitor well was installed with a $7\frac{7}{8}$ drill bit. Well screen for all three wells was set in the in the deeper alluvial aquifer - 140 to 240 feet bls for PW1 and PW2 and 140 to 230 feet bls for MW. Gravel filter pack material was placed in the annular space between the screen interval and the borehole wall. Bentonite and/or neat cement was placed in the annular space above the gravel pack to the surface. A sounding tube was positioned in both the production wells to approximately 140 feet bls. A locking cap was installed on the monitor well. Lithologic and well construction logs are provided in Appendix B.

2.4 WELL DEVELOPMENT

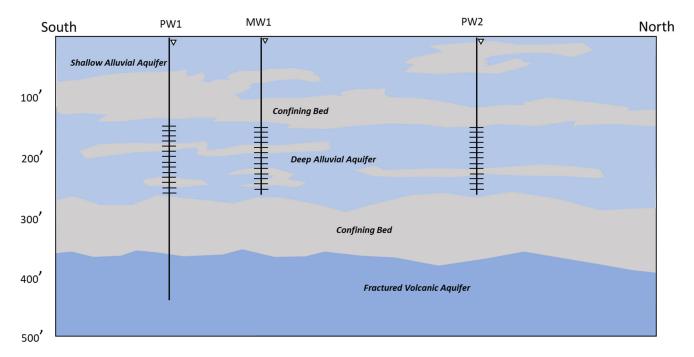
Wells were developed by Bruce MacKay Pump and Well Service using an airlift technique. Prior to well development static water levels were observed at 16, 17, and 10 feet bls from PW1, PW2, and MW, respectively. Both production wells produced over 300 gallons per minute (gpm), and the smaller diameter monitoring well produced 20 to 30 gallons per minute. Wells were developed for thirty minutes to clean out the perforated interval of sand and silt prior to obtaining stabilization parameters including temperature, pH, and conductivity.

The stabilization parameters were gathered every 15 minutes. Stabilization of parameters was determined when the temperature, pH, and conductivity were within 0.2°C, 0.1, and 3%, respectively from the previous readings. PW1 reached stability after 90 minutes of development at a temperature of 19.68 °C, pH 7.75, and conductivity of 0.226 mS/cm. PW2 reached stability after 180 minutes of development at a temperature of 21.70°C, pH 7.72, and conductivity of 0.251 mS/cm. MW reached stability after 105 minutes of development at a temperature of 26.60°C, pH 7.74, and conductivity of 0.216 mS/cm.

2.5 GEOLOGY AND HYDROGEOLOGY

The drilling completed during the hydrogeologic assessment provided valuable insight regarding the subsurface geology. The Property consists of alluvial deposits on top of volcanic stratigraphy. Alluvium consists of clay, silt, sand, and gravel that has been deposited by running water. The material encountered was characterized and logged continuously to a maximum depth of 420 feet bls. Multiple shallow water bearing zones were observed from 40 to 120 feet bls and are defined here as the shallow alluvial aquifer. A deeper zone was encountered from 130 to 250 feet bls and is considered the deeper alluvial aquifer. The alluvial aquifer material is primarily composed of course grained materials including sands and gravels. The aquifers are separated by impermeable to semi-impermeable fine grained material consisting of silts and clays. The silts and clays separating the aquifers act as a confining bed and the deeper alluvial aquifer is confined. Significant clay was encountered from approximately 250 to

350 feet bls. Intermittent volcanic material (likely basaltic or andesitic boulders) were observed at various depths. Fractured volcanic rock (rhyolite) was noted from 345 feet bls to total depth (420 feet bls) in PW1. The fractures in the volcanic rock can permit the movement of water and therefore this material should also be considered an aquifer. Presented below is a simplified cross section depicting the geology from the three wells and the three distinct aquifers.



A review of available well driller reports from domestic wells in close proximity to the Property indicate wells completed in all three aquifers mentioned above. Some of the older wells are completed in the shallow alluvial aquifer. Other wells, typically those installed more recently, have been completed in the deeper alluvial aquifer or the fractured volcanic material. Many wells in the surrounding area were completed in the fractured volcanic material and are located along ridges and hills and were often the only option as alluvium was not present in the subsurface. Generally speaking, alluvial aquifers provide better water quality and quantity in Northern Nevada compared to fractured volcanic bedrock aquifers. It is important to note that the three aquifers (shallow alluvial, deep alluvial, and fractured volcanic) are distinct and separated by fine grained material (silts and clays) that greatly restrict the movement of water between the aquifers.

3.0 AQUIFER TESTING

Step discharge and constant discharge tests were conducted on August 15 and August 18, 2022. The step test was competed to determine the maximum allowable pumping rate for the constant discharge test that would prevent excessive drawdown and premature test termination due to low water levels in the pumping well. The constant discharge test was completed to determine

representative aquifer hydraulic parameters (i.e., hydraulic conductivity and storativity). These parameters were then used to develop groundwater models.

3.1 EQUIPMENT AND METHODS

Bruce MacKay Pump and Well Service installed pumps and 5 hp 3 phase motors in both PW1 and PW2. A portable generator was brought on site to provide power to the pump and motor. Pump discharge rates were monitored continuously during both the step and constant discharge tests using a flowmec digital flow meter. Pump performance was very stable, and discharge rates varied by less than four gallons per minute (gpm) during the tests.

Water levels were measured using an electric water level tape and by means of three pressure transducers (In-Situ, Inc. Level Trolls 700TM) installed in the three wells.

3.2 WATER MANAGEMENT

Water was discharged through a two-inch diameter PVC pipe onto the ground. About 7,300 gallons of water was generated during the step test and approximately 37,000 gallons were generated during the constant discharge test.

3.3 STEP DISCHARGE TEST

A step discharge aquifer test was completed using PW1 to assess the aquifer response to a range of pumping rates. This test was necessary to determine the ideal pumping rate for the subsequent constant discharge test. Two steps were run at pumping rates of 38 and 93 gpm. Water levels were measured in the pumping well during both the pumping and recovery phase after pumping stopped. Water levels in the pumping well were measured manually at five-minute intervals as well as once a minute with the pressure transducers.

Prior to commencement of testing, the depth to water in PW1 was measured at 15.87 feet bls. The first step of the test was conducted at a pumping rate of 38 gpm. Within approximately 60 minutes, water levels stabilized at 20.61 feet bls. Pumping was then increased to 93 gpm which was the maximum output of the pump and motor. After an additional 45 minutes the test was terminated. At the end of the test, drawdown of water level in the well was measured at approximately six feet. A pumping rate of 93 gpm was chosen for the subsequent constant discharge test.

3.4 CONSTANT DISCHARGE TEST

A constant discharge aquifer test was completed on PW1 to determine aquifer hydraulic parameters (i.e., conductivity and storativity). The pumping well had recovered to static water levels prior to initiation of the constant discharge test. Static water levels were recorded at 15.86, 14.31, and 10.63 feet bls from PW1, PW2, and MW. The test was run for approximately seven hours at a pumping rate of 92 gpm. PW1 and observations wells MW and PW2 were monitored manually during the seven hours of pumping and the first hour of recovery at set time intervals and via the pressure transducers

both during pumping and for 14 hours following completion of pumping. Figure 2 presents water level drawdown observed in the three wells during the testing and recovery phases. Drawdown data from the aquifer test is included in Appendix C.

As presented in Figure 2, drawdown in the pumping well (PW1) and observation wells MW and PW2 stabilized near the end of the test. Total drawdown in the pumping well was measured at 13.7 feet. MW is approximately 70 feet from the pumping well and 5.4 feet of drawdown was noted. PW2 is approximately 300 feet from the pumping well and 3.4 feet of drawdown was observed.

3.5 AQUIFER TEST ANALYSIS

The Theis (1935) type curve analysis method, within the graphical software package Aquifer Test Pro v. 11.0, was used to analyze the drawdown and recovery data from the constant discharge test. The Theis solution within Aquifer Test Pro assumes that the aquifer system has the following properties:

- Homogenous and isotropic
- The aquifer is confined and has an apparent infinite extent
- Uniform thickness
- Water is released from storage contemporaneously with decrease in hydraulic head

Figures 3 and 4 depicts the Theis (1935) type curve analysis and summarize results for the drawdown and recovery portions of the test. The data fit the curve analysis very well. Based on the analysis, the average hydraulic conductivity of the water bearing zone for both pumping and recovery at the site (based on an aquifer thickness of 100 feet) was calculated to be 19 ft/day. Hydraulic conductivity is a property of porous material that describes the ease with which a fluid can move through the pore space. The average storativity (storage coefficient) was calculated to be 1.73X10⁻⁴. The storativity is the volume of water an aquifer releases from or takes into storage per unit surface area of the aquifer per unit change in head. The hydraulic conductivity is consistent with literature values for medium to course grained sands (Domenico and Schwartz, 1990). The value for storativity further confirms that the deeper alluvial aquifer is under confining conditions. Both the hydraulic conductivity and confining nature of the aquifer are in agreement with the material that was encountered while drilling. We believe the hydraulic conductivity and storativity values calculated here are representative hydraulic parameters for the deep alluvial aquifer within the proposed extent of the development which is bounded by the north and middle (main) branches of Dry Creek.

4.0 GROUNDWATER DRAWDOWN MODEL

Using the hydraulic parameters from the aquifer test analysis, steady-state groundwater drawdown models were generated to simulate 24 single-family residential domestic wells and determine the potential impact these wells may have on neighboring properties. An additional well, which could be used as back-up to water common area landscape when steamboat ditch is dry, has been added to the model simulations. A total of 25 domestic wells are included in the model simulations.

The volume of water required per residence per day needed to be estimated to generate the models. Nevada Revised Statutes (NRS) 534.315 provides regulations for domestic wells. The regulation states a well may be drilled for domestic use if not more than 1,800 gallons of water per day (gpd) are diverted from the well for use by a single-family household, including a residence with a lawn, garden and domestic animals. The use of 1,800 gpd for a single family residence is considered very high and is likely only realized under unique circumstances.

Analysis of the water consumption data published by the Truckee Meadows Water Authority (TMWA) in 2020-2040 Water Resources Plan indicates the average household consumption in the Truckee Meadows is 150 gpd per person. This is slightly higher than other communities in the western US and is calculated based on total consumption divided by the service population. This value includes residential irrigation usage. The Washoe County Planning department uses a household density value of 2.46 people per dwelling (2016-2020 average). Referencing these data, the average per household water consumption in the Truckee Meadows is 369 gpd (150 gallons per persons x 2.46 persons per household). The use of the 414 gpd reflects the slightly higher household use when high density housing units like apartment are not included in the average use statistics. Therefore the 414 gpd is a conservative estimate of the average per household daily water demand in the Truckee Meadows.

Although 414 gallons per day is believed to be the more realistic usage rate for the proposed residence, steady state groundwater models were generated for both 414 and 1,800 gpd. The model was generated with 25 simulated well extraction points. Each well was located in relation to the proposed subdivision parcel lines to demonstrate the future spatial distribution of the proposed wells. Steady state groundwater drawdown models for both daily usage rates are included in Figures 5 and 6. A summary of results are provided below.

25 Wells Each Using 414 gallons per day

- 414 gpd per residence is equivalent to a continuous pumping rate of 0.287 gallons per minute per household or 7.2 gallons per minute for all 25 wells (24 proposed households plus one additional well for common area landscaping when steamboat ditch water is not available).
- The maximum drawdown of groundwater in the center of the proposed subdivision is 0.26 feet (3 inches).
- Near the edge of the subdivision, drawdown ranges from 0.18 to 0.20 feet (~2 inches).

25 Wells Each Using 1,800 gallons per day

- 1,800 gpd per residence is equivalent to a continuous pumping rate of 1.25 gallons per minute per household or 31.3 gallons per minute for all 25 wells (24 proposed households plus one additional well for common area landscaping when steamboat ditch water is not available).
- The maximum drawdown of groundwater in the center of the proposed subdivision is 1.05 feet (12 inches).
- Near the edge of the subdivision, drawdown is approximately 0.85 feet (10 inches).

The groundwater drawdown models assume steady-state groundwater conditions and pumping from the deeper alluvial aquifer. The groundwater drawdown estimated at the edge of the proposed subdivision reflects the cumulative effect of the 25 wells spaced across the development and pumping

at a continuous steady state. The model does not assume/(account for) contributions from local or regional hydrologic influences such as the Steamboat Ditch, neighboring septic systems or Dry Creek ephemeral drainages.

5.0 DISCUSSION AND RECOMMENDATIONS

Domestic water supply for the proposed 24 single-family residential properties on 72 acres of land may come from wells. Concerns have been raised regarding possible impact to existing neighboring domestic well owners in the near vicinity of the proposed development. Drilling, well construction, aquifer testing, and modeling has been completed to better understand and evaluate potential impact.

Drilling activities provided valuable information regarding the subsurface geology and hydrogeology. Three aquifers have been defined in the immediate vicinity of the Property (shallow alluvial, deep alluvial, and fractured volcanic). These three aquifers are distinct and separated by fined grained materials (silts and clays) that greatly restrict the movement of water between the aquifers. The wells installed for this scope of work were completed in the deeper alluvial aquifer. It is recommended that additional domestic wells installed on the Property be completed in this same aquifer.

The property is traversed by Steamboat Ditch and there are 184.5 acre feet of surface water rights attached to the parcel. The developer plans to convey water rights to future owners with practical access to the ditch. Continued use of the surface water for irrigation will help recharge the shallow aquifer. Benefits from surface water recharge would likely be limited to the shallow alluvial aquifer, and not the deeper aquifer where the proposed domestic wells would be screened.

Using the hydraulic parameters calculated from the aquifer tests, groundwater drawdown models were generated to simulate 25 residential domestic wells (24 proposed households plus one additional well for common area landscaping when steamboat ditch water is not available). Models were generated for two daily usage rates – 414 gpd and 1,800 gpd per household. The 414 gpd is considered more representative; however, 1,800 gpd has also been included to be conservative and present worst case scenario (high usage) model results. The 414 gpd consumption from each of the 25 wells results in drawdown of groundwater in the aquifer of 0.20 feet (~2 inches) at the edge of the proposed subdivision. At 1,800 gpd consumption from each of the 25 wells, a drawdown of 0.85 feet (10 inches) is observed at the edge of the proposed subdivision. It is important to note that these modeled drawdowns would only be realized in wells located at the edge of the proposed subdivision and screened in the same deep alluvial aquifer as the subdivision wells. Any effects at greater distances are further diminished with distance from the subdivision.

Local groundwater elevations typically fluctuate on the order of many feet per year as a result of seasonal variations in precipitation, snowmelt, runoff, and infiltration. The data collected and models generate show minimal to no impact from the 25 proposed domestic wells relative to groundwater levels in neighboring wells screened in the deeper alluvial aquifer. As discussed in Section 2.5 above, the three aquifers (shallow alluvial, deep alluvial, and fractured volcanic aquifer) are separated by thick confining beds that greatly restrict the flow of water between the aquifers. The 25 proposed domestic wells should have no impact on existing wells screened in the shallow alluvial or deeper fractured volcanic aquifers.

6.0 LIMITATIONS

The findings presented in this report are based upon information provided by observations of field personnel and activities reported by Broadbent. Our services were performed in accordance with the generally accepted standard or practice at the time this report was written. No other warranty expressed or implied was made. This report has been prepared for the exclusive use of Thomas Creek Development, LLC. It is possible that variations in the subsurface could exist beyond the points explored in this investigation.

7.0 REFERENCES

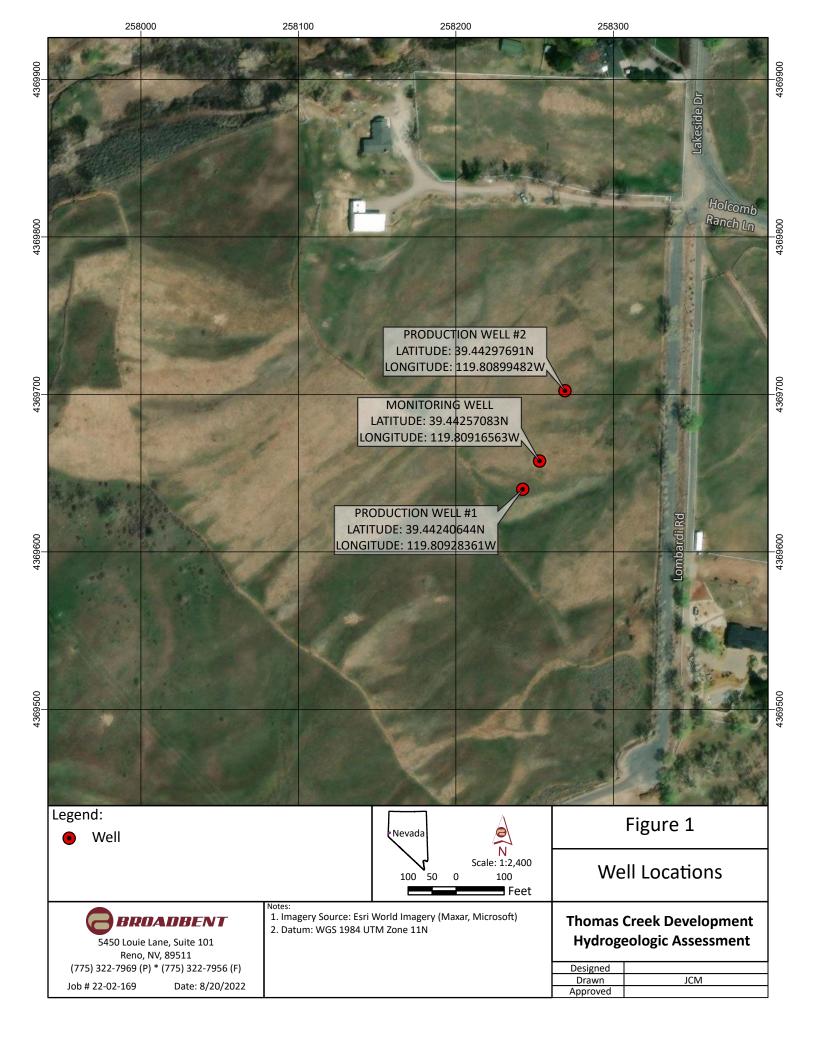
Broadbent & Associates, Inc. September 19, 2022, Hydrogeologic Assessment, 8900 Lakeside Dr, Reno, NV 89511.

Nevada Revised Status Chapter 534 – Underground Water and Wells, https://www.leg.state.nv.us/NRS/NRS-534.html

P.A Domenico and F.W. Schwartz, Physical and Chemical Hydrogeology, Copyright 1990 John Wiley & Sons, Inc.

2020-2040 Water Resource Plan - Truckee Meadows Water Authority (tmwa.com)

U.S. Census Bureau QuickFacts: Washoe County, Nevada



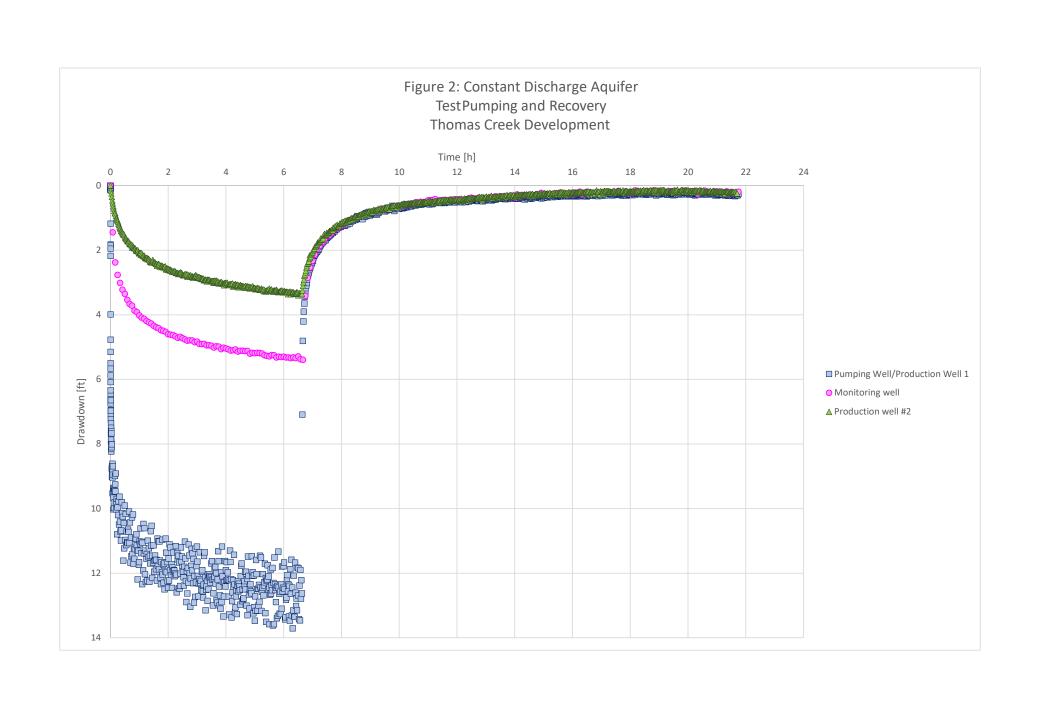
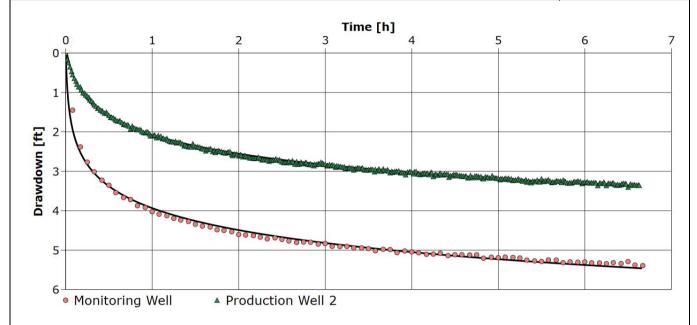


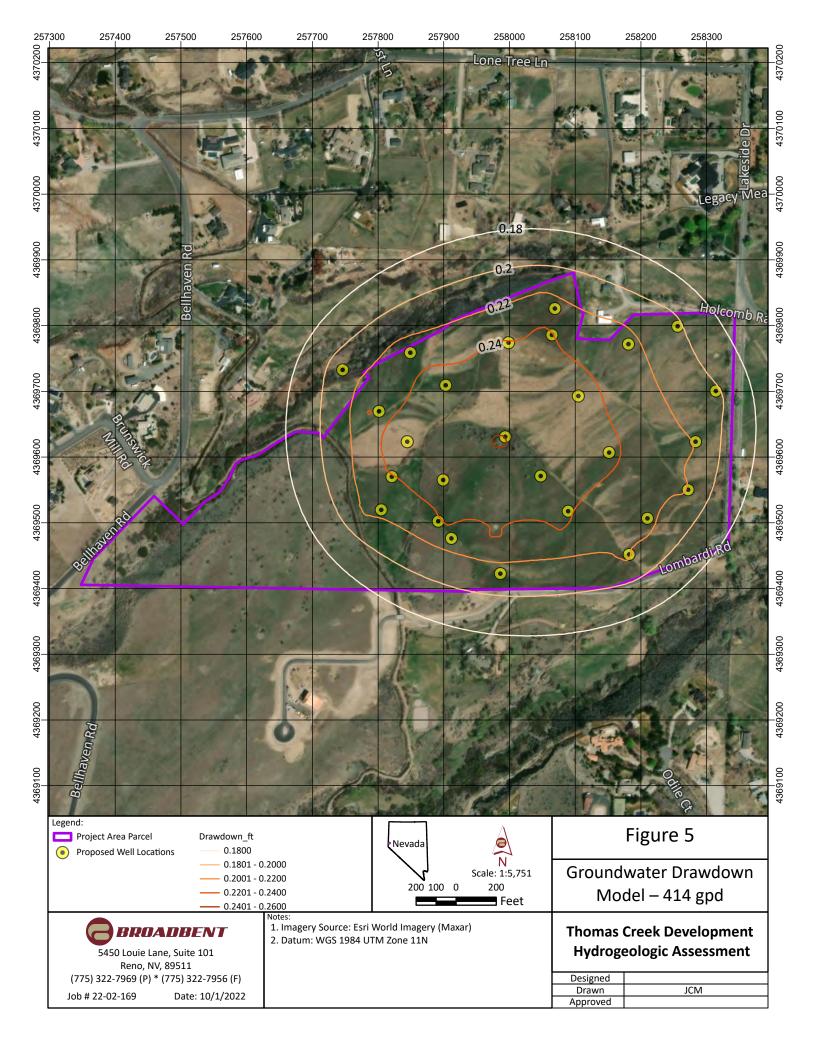
Figure 3: Aquifer Test Analysis Report - Pumping						
Location: 8900 Lakeside Dr	Pumping Test: Constant Rate	Pumping Well: Production Well 1				
Test Conducted by: M. Sawy	er; E. Robtoy	Test Date: 8/18/2022				
Analysis Performed by: M. S.	awyer	Analysis Date: 8/26/2022				
Aguifer Thickness: 100 ft	Discharge: variable, average rate	91.2 [U.S. gpm]				

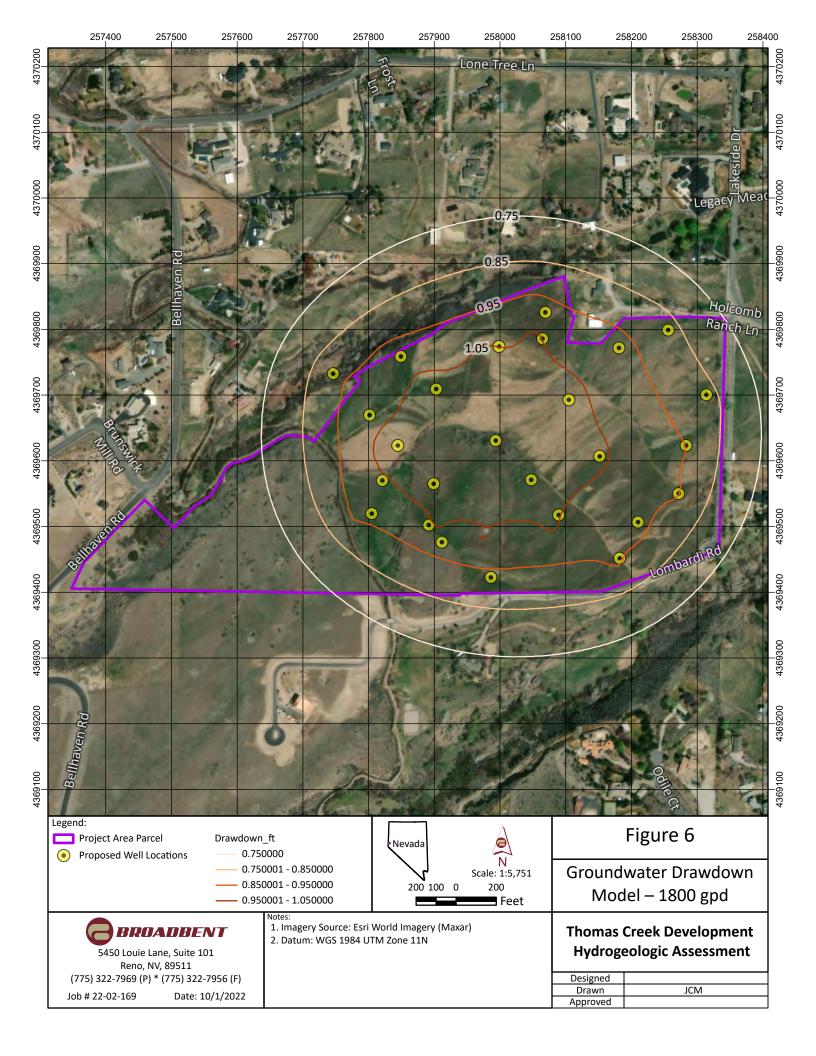


Calculation using Theis							
Observation Well	Transmissivity [ft ² /d]	Hydraulic Conductivity [ft/d]	Storage coefficient	Radial Distance to PW			
				[ft]			
Monitoring Well	1.72 x 10 ³	1.73 x 10 ¹	2.35 x 10 ⁻⁴	72.8			
Production Well 2	2.00 x 10 ³	2.00 x 10 ¹	1.11 x 10 ⁻⁴	297.32			
Average	1.87 x 10 ³	1.87 x 10 ¹	1.73 x 10 ⁻⁴				

		Test Analysis Report - Recovery	
cation: 8900 Lakeside Dr	•	Rate Pumping Well: Production Well 1	
est Conducted by: M. Sawye		Test Date: 8/18/2022	
nalysis Performed by: M. Sa	ıwyer	Analysis Date: 8/26/2022	
quifer Thickness: 100 ft	Discharge: variable, aver	age rate 91.2 [U.S. gpm]	
	•		
		t/t'	
1	10	100	1000
5			
E 4			
Residual Drawdown [ft]			
3			
8 3			_
8			
<u> </u>			
a 2			
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<u>.s</u>			
2 1			
0			
Monitoring '	Well A Production	n Well 2	

Calculation using Theis				
Observation Well	Transmissivity	Hydraulic Conductivity [ft/o	d] Radial Distance to PW [ft]	
	[ft ² /d]			
Monitoring Well	1.77 x 10 ³	1.77 x 10 ¹	72.8	
Production Well 2	2.09 x 10 ³	2.09 x 10 ¹	297.32	
Average	1.93 x 10 ³	1.93 x 10 ¹		





Appendix A

Permits

WASHOE COUNTY HEALTH DISTRICT ENVIRONMENTAL HEALTH SERVICES 1001 E Ninth Street Reno, NV 89512 (775) 328-2434

POST IN A CONSPICIOUS PLACE

WELL CONSTRUCTION PERMIT

Permit # H22-0081WELL

Issued By: Matt Simpson

Date Issued: 6/23/2022

Owner: Gordon Real Estate Llc

Driller: BRUCE MACKAY PUMP & WELL SERVICE

Location at Site:

8900 LAKESIDE DR

WASHOE COUNTY, NV

89511

Parcel: 041-130-58

Expiration Date:

12/23/2023

100' Seal Required:

Type of Well:

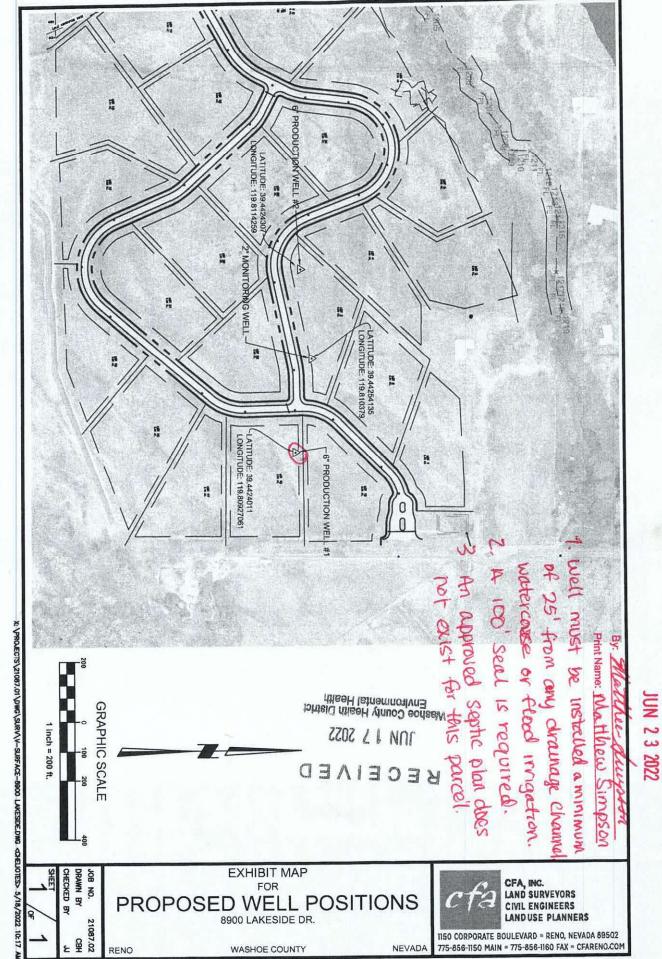
New

Commercial Monitoring

Comments/Conditions:

Start 7/13/00 El 50-1 7/15/00 JB





FORM 4011



STATE OF NEVADA

Department of Conservation and Natural Resources
Steve Sisolak, Governor
Bradley Crowell, Director
Adam Sullivan, P.E., State Engineer

NOTICE OF INTENT TO DRILL

Today's Date:	6/21/2022	3	Intended Start Date:	6/24/2022	_
Type of Work:	✓ Drilling		ehabilitation	Plugging	
Is this a replacement	well? Yes	✓ No Please ind	icate the existing wel	l log number (if applica	
Proposed use of well	l: Exploration /	Diameter of w	ell: 6 / inche	s Number of wells:	1
If domestic well, is l	ocation in water purve	yor's service area?	☐ Yes ✓ No	Well ID:	
For monitor well rec	quired by another gove	rnment agency, provide	facility ID number:	Agency:	
If well is being com	pleted under a waiver,	please provide correspo	onding waiver number	: w-809 /	
	sociated with the well, Public Land Survey:	please provide the perm SE 1/4 NE 1/4		N/S R 19 / F	i
Latitude: 39.4424	-	JTM E:	□ NA	AD 27	For Division Use Only NAD27 Lat: 79,442 50
Longitude: 119.80	,2,,,,,	JTM N:	NIE EN	AD83/WGS 84	NAD27 Long: 119.89826 Basin: 08.7
Address at well loca	ation: 8900 Lakeside	Drive Reno NV 89511			4 8
Assessor Parcel Nu	mber: 041-130-58	Parcel size:	72.8	acres	72
County: Washoe	./	Subdivision	name:		=======================================
Name of client:	Adam Giordano- Thon	nas Creek Development			
	2100 Manzanita Ln I				
Company name and	d address: Bruce Mac	Kay Pump & Well Serv	vice, Inc.8175 S.Virgi	nia St. STE850PMB407	7 Reno NV 89
	nber: 775-851-1600 I		any email address: co	elina@brucemackay.com	m J
Contractor license	number: 23096	Driller license number:	2547 / Dr	iller Signature:	000
	S	25 FILING FEE MUS	T ACCOMPANY TH	IS REQUEST	
		F	or Division Use Only		0 2422
NO	1#: NZOZZ 600	Status: A	proved Denied	Expiration 1	Date: 8,24,22
	ails:				
-					
Re	eviewer: Trew	r proc	-	Date Reviewe	d: 6,22,22

WASHOE COUNTY HEALTH DISTRICT **ENVIRONMENTAL HEALTH SERVICES** 1001 E Ninth Street Reno, NV 89512 (775) 328-2434

POST IN A CONSPICIOUS PLACE

WELL CONSTRUCTION PERMIT

Permit # H22-0079WELL

Issued By: Matt Simpson

Date Issued: 6/23/2022

Owner: Gordon Real Estate Llc

Driller: BRUCE MACKAY PUMP & WELL SERVICE

INC

Location at Site:

8900 LAKESIDE DR

WASHOE COUNTY, NV

89511

Parcel: 041-130-58

Expiration Date:

12/23/2023

100' Seal Required:

No

Type of Well:

Commercial

Monitoring

Comments/Conditions:

WASHOE COUNTY HEALTH DISTRICT **ENVIRONMENTAL HEALTH SERVICES** 1001 E Ninth Street Reno, NV 89512 (775) 328-2434

POST IN A CONSPICIOUS PLACE

WELL CONSTRUCTION PERMIT

Permit # H22-0079WELL

Issued By: Matt Simpson

Date Issued: 6/23/2022

Owner: Gordon Real Estate Llc

BRUCE MACKAY PUMP & WELL SERVICE

INC

Location at Site:

8900 LAKESIDE DR

WASHOE COUNTY, NV

89511

Parcel: 041-130-58

Expiration Date:

12/23/2023

100' Seal Required:

Yes

No

Type of Well:

New

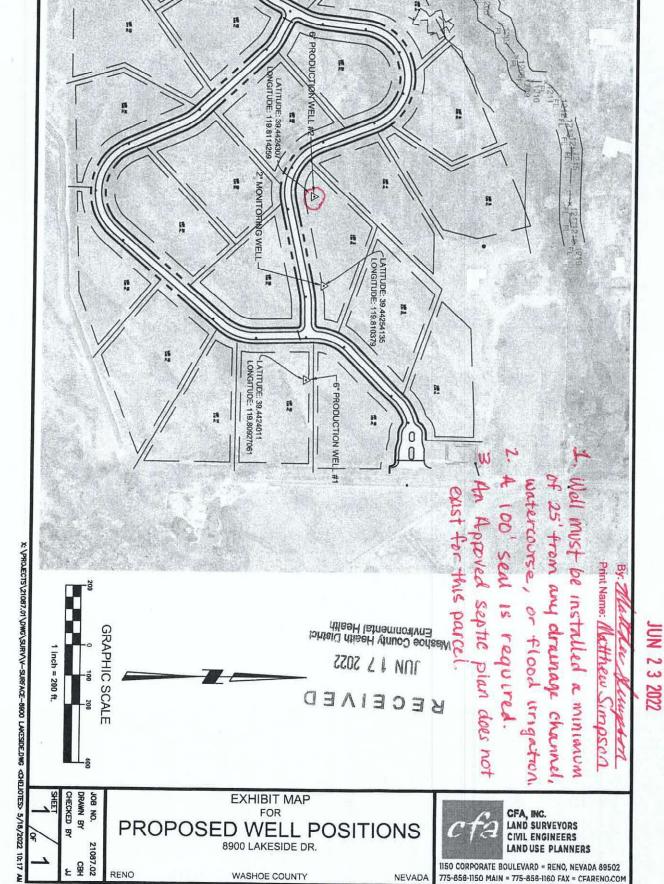
Commercial

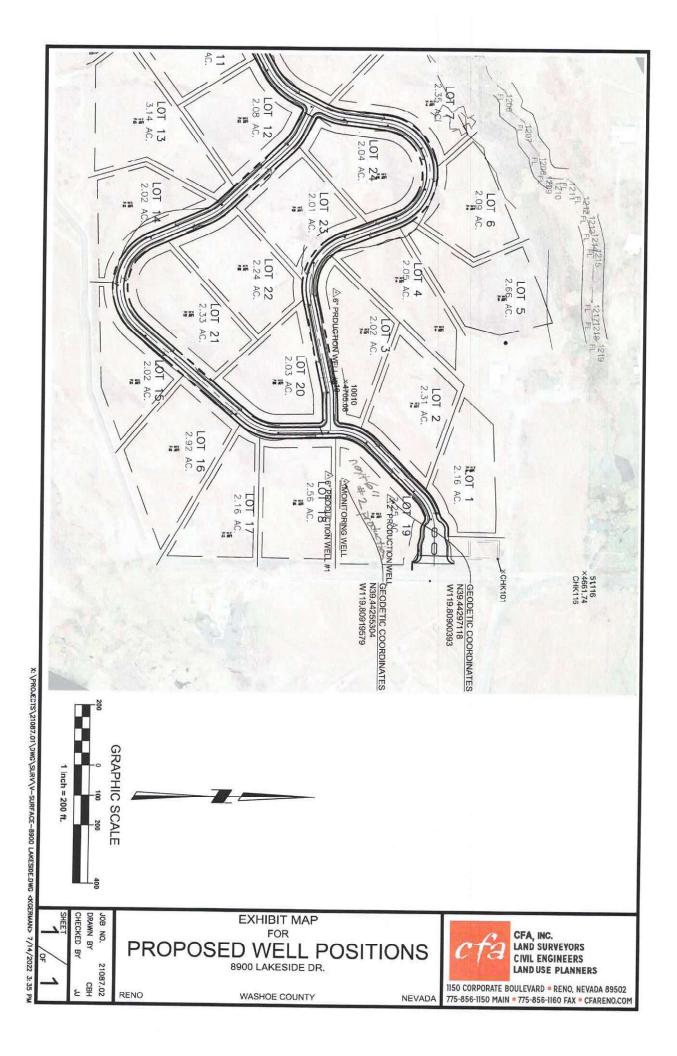
Monitoring

Comments/Conditions:

Seal: D. Kelly 7/18/2.







FORM 4011



STATE OF NEVADA Department of Conservation and Natural Resources Steve Sisolak, Governor Bradley Crowell, Director Adam Sullivan, P.E., State Engineer

NOTICE OF INTENT TO DRILL

Today's Date: Type of Work: Type of Work: Is this a replacement well? Proposed use of well: Exploration If domestic well, is location in water put For monitor well required by another g If well is being completed under a wait If a water right is associated with the water right.	Deepening Res S No Please indi Diameter of we reverveyor's service area? overnment agency, provide ver, please provide correspondell, please provide the permital	cate the existing well ell: 6 inches Yes V No facility ID number: anding waiver number:	Well ID:	
Location of well by Public Land Surve	UTM E:		D 27	For Division Use Only
Latitude: 39.4424307 Longitude: 119.8114259	UTM N:	✓ NA	D83/WGS 84	NAD27 Lat: 39.44253 NAD27 Long: 119.81042 Basin: 08.7
Address at well location: 8900 Lake	eside Road Reno NV 89511			807
Assessor Parcel Number: 041-130-	58 / Parcel size:	72.8	acres	
County: Washoe	Subdivision			2022 J
Name of client: Adam Giordano-	Thomas Creek Development			
Address of client: 2100 Manzanita Company name and address: Bruce Contact phone number: 775-851-10 Contractor license number: 23096	MacKay Pump & Well Serv	pany email address: co	nia St. STE850PMB40 elina@brucemackay.co	7 Reno NV 89
NOI#: NOI#: NOI#: Details:	-	For Division Use Univ		Date: 8,24,22
Reviewer: Trev	or Prive		Date Reviev	ved: 6,22,22

FORM 4013

STATE OF NEVADA DIVISION OF WATER RESOURCES WELL DRILLER'S REPORT

PRINT OR TYPE IN BLACK INK ONLY

Please complete this form in its entirety in

	OFFICE USE ONLY
Log No.	
Permit No.	
Basin No.	

NOTICE OF INTENT NO. N2022-604

DATABLES ADDRESS 2100 Margarital Ln. September Page 1 Page 1 Page 2 Page 2 Page 2 Page 3 Page	DO NOT WRITE ON BACK						1.170 and NAC			WELL NAME	(If applicable):	
PES LOCATION SE W E 74 15 50 16 NS 19 18 18 18 18 18 18 18		2100 M	anzanita l		nent		8900 Lal	keside Drive R		9		
Department Dep		Reno, N			7.5	72 12	_		LITALE	000		
Non-Wise Despen Org Vit.8				11 Sec			The state of the s					
WORKED PERFORMED	PERMIT/WAIVER N	O. MO)-2408				Longitude	-119.810379	UIMIN			00111000
New Well Deepen Crig VIUE Domestic Image Monitor August Require Recordation Crignal wall log of Monitor Monitor August Recordation Crignal wall log of Monitor Monitor Recordation Crignal wall log of Monitor Monitor Monitor Recordation Crignal wall log of Monitor Monitor Recordation Crignal wall log of Monitor Monitor Recordation Crignal wall log of Monitor Recordation Recordation Crignal wall log of Monitor Recordation						7.700.	DDOD	OSED LISE		5	WELL TYP	E
Repolacement Original well log #			MED				_		Monitor		The state of the s	The state of the s
Recondition Cignal well by 8 Test f Other Mar / CM Rec Other Mar / CM Mar / CM Rec Other	A Transport of the Control of the Co									The second secon		☐ Sonic
	A STATE OF THE PARTY OF THE PAR										150000000	
Material Lost Water From To Encountered Circ Strate Strate Circ			OGIC LOG	3	1030	7 00101						40
Volcanic Boulders w Brown Clay		EITTOL	_		From	To	Depth Drill	ed: 240			ased: 24	0 Feet
7.875 Inches	Encountere	ed	Circ.	Strata					HOLE DIAMET	ER (BIT SIZE)		
Sand and Clay Layers	Volcanic Boulders w/	Brown Clay			0	5						
Sand and Clay Layers		•					No. of the last of	7.875	Inches	0 F	eet 24	0 Feet
Sand, Gravels w/ Brown Clay	Sand and Clay Lavers	S			5	115				F	eet	Feet
Sand, Gravels w/ Brown Clay	Dania ana Diaj Lajon									F	Feet	Feet
Size O.D. Weight/File We	Sand Gravels w/ Bro	wn Clay			115	220				CHEDULE		7
Part	Janu, Glavels W/ DIO	Olay			1		Size O.D.	Weight/Ft.	Wall Th	ickness	From	То
	Brown Clay				220	229		0.00 (1.00 M)	(Inc	hes)	(Feet)	(Feet)
Harder Volcanic Layer	D.Jilli Olay		-				2"	0.95	0.2	18	0	240
	Harder Valencia Laur	ır			220	240		5.00	J.12	no di		
Sanitary Seal Yes No No Pumped Poured Poure	narder voicanic Laye				223	240						
Sanitary Seal Yes No No Pumped Poured Poure			-		-				ANNUI AR MI	TEDIALS		
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Cement Grout			_				1				n because	Poured
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							Committee to the second second					
Grave Pack > 0.2 in. 138							Concrete 6	Grout	to			
Grave Pack > 0.2 in. 138							Bentonite	Chips	110 to	138 L P		
Washoe Coutry Permit							Gravel Pa	ck [> 0.2 in.] 138	to	240 LJ P		
Washoe Coutny Permit # H22-0080WELL							Sand Pack	k [< 0.2 in.]	to			
# H22-0080WELL							Other, exp	olain:	to	Цр	umped L	Poured
# H22-0080WELL												
Size of perforation: 0.02 From 140 Feet To 230 Feet From Feet To Feet	Washoe Coutny Pern	nit							PERFORA	TIONS:		
	# H22-0080WELL						Type of pe	erforation: Mil	led Slot			
							Size of pe	rforation: 0.0	2			
Date started: 22-Jul 20 22 Date completed: 25-Jul 20 22 7.							From	140		То	230	Feet
Date started: Date started: 22-Jul 20 22									Feet			
Date started. 22-Jul												
Date completed: 25-Jul	Date started	221	ul		20	22				1270		
7. WATER QUALITIES Static water level: Artesian Flow: Water Temperature: Water Quality: Not Tested Not Tested Not Tested Not Tested Not Test Method: G.P.M. Draw Down (Feet Below Static) Air Lift Air Lift Air Lift Draw Down Air Lift Air Lift Air Lift Down Down Air Lift Air Lift Down Down Air Lift Air Lift Down Down Air Lift Phone Air									Feet			
Static water level: Artesian Flow: Water Temperature: Water Quality: Not Tested Not Tested Not Test Method: G.P.M. Draw Down (Feet Below Static) Air Lift Air Lift Date Date This well was drilled under my supervision. This report is true to the best of my knowledge. Name Bruce MacKay Pump & Well Service, Inc. Contractor Address 8175 S. Virginia St. Suite 850 PMB # 407 Reno, Nv 89511 Contractor Address Nevada contractor's license number as issued by the Nevada Division of Water Resources (on-site driller) Signed By driller performing actual drilling on site or contractor Date: This well was drilled under my supervision. This report is true to the best of my knowledge. Name Bruce MacKay Pump & Well Service, Inc. Contractor Address 8175 S. Virginia St. Suite 850 PMB # 407 Reno, Nv 89511 Phone 775-851-1600 Ext 3 Nevada contractor's license number as issued by the Nevada Division of Water Resources (on-site driller) Signed By driller best of my knowledge. Name Bruce MacKay Pump & Well Service, Inc. Contractor Address 8175 S. Virginia St. Suite 850 PMB # 407 Reno, Nv 89511 Phone 775-851-1600 Ext 3 Nevada contractor's license number as issued by the Nevada Division of Water Resources (on-site driller) Signed By driller best of my knowledge. This well was drilled under my supervision. This rowledge. Name Bruce MacKay Pump & Well Service, Inc. Contractor Address 8175 S. Virginia St. Suite 850 PMB # 407 Reno, Nv 89511 Address Signed This well was drilled under my supervision. The submitted in the submitted					1 20	200	-					
Water Temperature: Water Quality: Not Tested Name Bruce MacKay Pump & Well Service, Inc. Contractor Address 8175 S. Virginia St. Suite 850 PMB # 407 Reno, Nv 89511 8. WELL TEST DATA Test Method: Bailer Pump Air Lift G.P.M. Draw Down (Feet Below Static) Air Lift 20+ 4 Name Bruce MacKay Pump & Well Service, Inc. Contractor Phone 775-851-1600 Ext 3 Nevada contractor's license number as issued by the State Uontractor's board: 23096 Nevada well driller's license number as issued by the Nevada well driller's license number as issued by the Nevada Well driller's license number as issued by the Nevada Well Service, Inc. Contractor Phone 775-851-1600 Ext 3 Nevada contractor's license number as issued by the Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2547 Signed By driver performing actual bring on site or contractor Date: 7/27/2022		A CONTRACTOR OF THE PARTY OF TH		Feet be	low land s	urface		was drilled under m	y supervision. Th	s report is true to	the best of my	/
Water Quality: Not Tested Address 8175 S. Virginia St. Suite 850 PMB # 407 Reno, Nv 89511 Not Tested Not Tested Address 8175 S. Virginia St. Suite 850 PMB # 407 Reno, Nv 89511 Not Test Method: Bailer Pump Air Lift G.P.M. Draw Down Recorded Time (Hours) Air Lift 20+ 4 Nevada contractor's license number as issued by the State Contractor's board: Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): Signed Signed Signed Date: 7/27/2022	Artesian Flow:		G.P.M.	•		P.S.I.	knowledge					
Address 8175 S. Virginia St. Suite 850 PMB # 407 Reno, Nv 89511 8. WELL TEST DATA Test Method: Bailer Pump Air Lift G.P.M. Draw Down Recorded Time (Hours) Air Lift 20+ 4 Nevada contractor's license number as issued by the State Unitractor's Unitra	Water Temperature:	Cold					Name	Bruce MacKay	Pump & Wel	Service, Inc.		
8. WELL TEST DATA Test Method: Bailer Pump Air Lift G.P.M. Draw Down (Feet Below Static) (Hours) Air Lift 20+ 4 Nevada contractor's license number as issued by the State Unitractor's board: 23096 Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2547 Signed By driver performing actual bring on site or contractor Date: 775-851-1600 Ext 3 Nevada contractor's license number as issued by the Nevada Division of Water Resources (on-site driller): 2547	Water Quality:		Not T	ested			1943000-5-7		Contrac	otor	N 001	-11
Test Method: Bailer Pum Air Lift G.P.M. Draw Down (Feet Below Static) Air Lift 20+ 4 Nevada contractor's license number as issued by the State Contractor's board: Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): Signed By driller performing actual drilling on site or contractor Date: 775-851-1600 Ext 3 Nevada contractor's license number as issued by the Nevada Division of Water Resources (on-site driller): 23096 Signed: By driller performing actual drilling on site or contractor Date: 7/27/2022							Address	81/5 S. Virgini			eno, NV 895)TT
G.P.M. Draw Down (Feet Below Static) Recorded Time (Hours) Air Lift 20+ 4 Nevada contractor's license number as issued by the State Contractor's Board: 23096 Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2547 Signed: By driller performing actual drilling on site or contractor Date: 7/27/2022	8. Test Method:				ift		Phone	775-851-1600				
Air Lift 20+ 4 Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2547 Signed: By driller performing actual drilling on site or confractor Date: 7/27/2022		-				Time						
Air Lift 20+ 4 Nevada well driller's license number as issued by the Nevada Division of Water Resources (on-site driller): 2547 Signed: By driller performing actual drilling on site or confractor Date: 7/27/2022	G.										23096	
Nevada Division of Water Resources (on-site driller): 2547 Signed: By driller performing actual dulling on site or contractor Date: 7/27/2022	Air Lift 2						Nevada w	ell driller's license	number as issued	by the		
By drifter performing actual drifting on site or contractor Date: 7/27/2022											254	7
By drifter performing actual drifting on site or contractor Date: 7/27/2022												
Date: 7/27/2022							Signed	Letter	2	Man on site or contract	lor.	
								By dn		A CONTRACT OF THE PARTY OF THE		
				110-	ADDITIO	NAL OU		CCADV		-114044	na	of na.

WASHOE COUNTY HEALTH DISTRICT ENVIRONMENTAL HEALTH SERVICES 1001 E Ninth Street Reno, NV 89512 (775) 328-2434

POST IN A CONSPICIOUS PLACE

WELL CONSTRUCTION PERMIT

Permit # H22-0080WELL

Date Issued: 6/23/2022 Issued By: Matt Simpson

Owner: Gordon Real Estate Llc

BRUCE MACKAY PUMP & WELL SERVICE Driller:

INC

8900 LAKESIDE DR Location at Site:

WASHOE COUNTY, NV 89511

Parcel: 041-130-58

12/23/2023 Expiration Date:

100' Seal Required:

No

Type of Well:

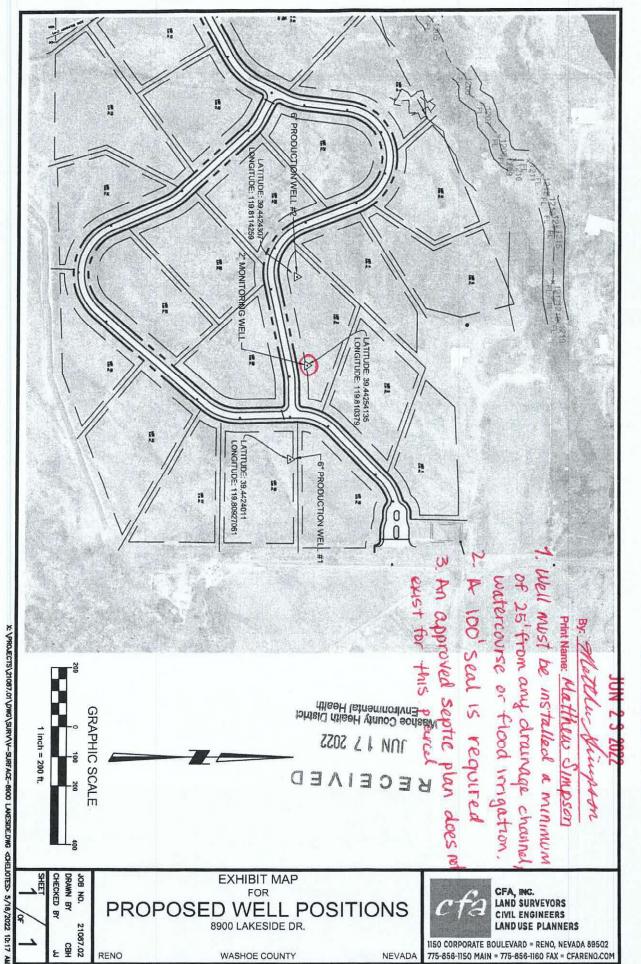
New

Commercial

Monitoring

Comments/Conditions:

START 7/22/2022 M. SIMPSON Seal 7/25/2022 hundres 7/9



FORM 4011



STATE OF NEVADA

Department of Conservation and Natural Resources
Steve Sisolak, Governor
Bradley Crowell. Director
Adam Suilivan, P.E., State Engineer

NOTICE OF INTENT TO DRILL

(01/0000	Intended Start Date: 6/24/2022	
Today's Date: 6/21/2022	Intended State State	-
Type of Work: V Drilling Deepenin	Rehabilitation Plugging Please indicate the existing well log number (if application)	ible):
Is this a replacement well? Yes V No	/	
Toposed use of from	lanicies of wen. 2	·
If domestic well, is location in water purveyor's servi-		
For monitor well required by another government age	ency, provide facility ID number: Agency:	
If well is being completed under a waiver, please pro	vide corresponding waiver number: MO-2408	
If a water right is associated with the well, please pro	vide the permit number:	
Location of well by Public Land Survey: SE 1/4	NE 1/4 Sec: 11/ T 18/N/S R 19/1	E
Latitude: 39.44254135 UTM E:	□ NAD 27	For Division Use Only NAD27 Lat: 39.44164
Longitude: 119.810379 UTM N:	✓ NAD83/WGS 84	NAD27 Long: [19.20937
	no NV 89509	Basin: 087
Tradition at 11711 1011111		V 10 W 2
Assessor Parcel Number: 041-130-58	Parcel size: 72.8 acres	2022
County: Washoe	Subdivision name:	
Name of client: Adam Giordano- Thomas Creek	Development	
Address of client: 2100 Manzanita Ln Reno, NV		
Company name and address: Bruce MacKay Pump	& Well Service, Inc.8175 S.Virginia St. STE850PMB40	7 Reno NV 89
Contact phone number: 775-851-1600 Ext 3	Company email address: celina@brucemackay.co	
	ense number: 2547 / Driller Signature:	5000
Contractor license number: 23096 / Driller lic	ense number: 284 10 Diffici Signature.	
\$25 FILING	FOR Division Use Only	
	FOI DIVISION CASE CITY	Date: 8 ,14, 22
NOI #: N2022- GOL	Status: Approved V Denied Expiration	Date:
Details:		
-		
-		
		6 27.72
Reviewer:	Date Review	ed: 6,22,22

Appendix B

Lithologic and Well Construction Logs



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #1

START: 0920 STOP: 1700 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer

O DEFINITI.) BORNORS RUCTION	MOSTI	gkt colod	e constru	JTHC4	noci	sollotscaltion
1—————————————————————————————————————	Moist	Gray/ Brown	Non-Plastic		GW	0-10': Well-graded gravel; 5% fines; gravel is subangular with pebbles up to 12 mm Alluvium
10 — 11 — Neat 13 — Neat 14 — 15 — 16 — 17 — 18 — 19 — 20	Moist	Gray/ Brown	Non-Plastic		GW	10'-20': Well-graded gravel; <5% fines; 80% cobbles up to 100 mm in size; 20% pebbles up to 64 mm Alluvium
20 — 21 — 22 — 23 — 24 — 25 — 26 — 27 — 28 — 29 — 30 — 30 —	Moist	Brown	Plastic Fines		SC	20'-30': Clayey sand with gravel; <15% fines; more sand is present than gravel; gravel pebbles up to 12 mm in size Alluvium
31 — 32 — 33 — 34 — 35 — 36 — 37 — 38 — 39 — 40 40	Moist	Brown	Plastic Fines		SC	30'-40': Clayey sand with gravel; <15% fines; more sand is present than gravel; gravel ranges in size from 2 mm granules to 72 mm cobbles Alluvium



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #1

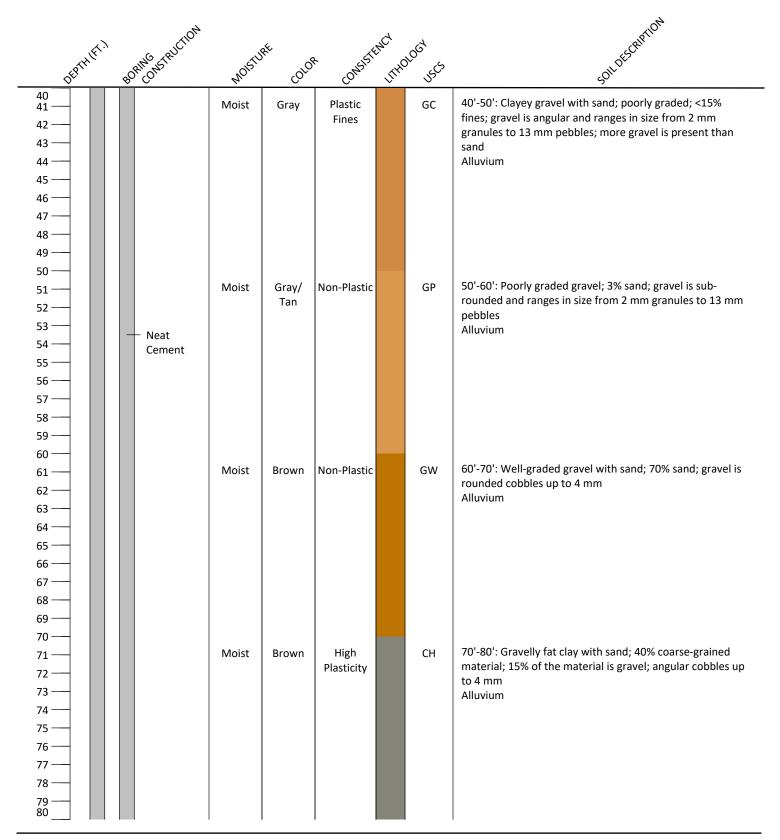
START: 0920 STOP: 1700 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer





PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #1

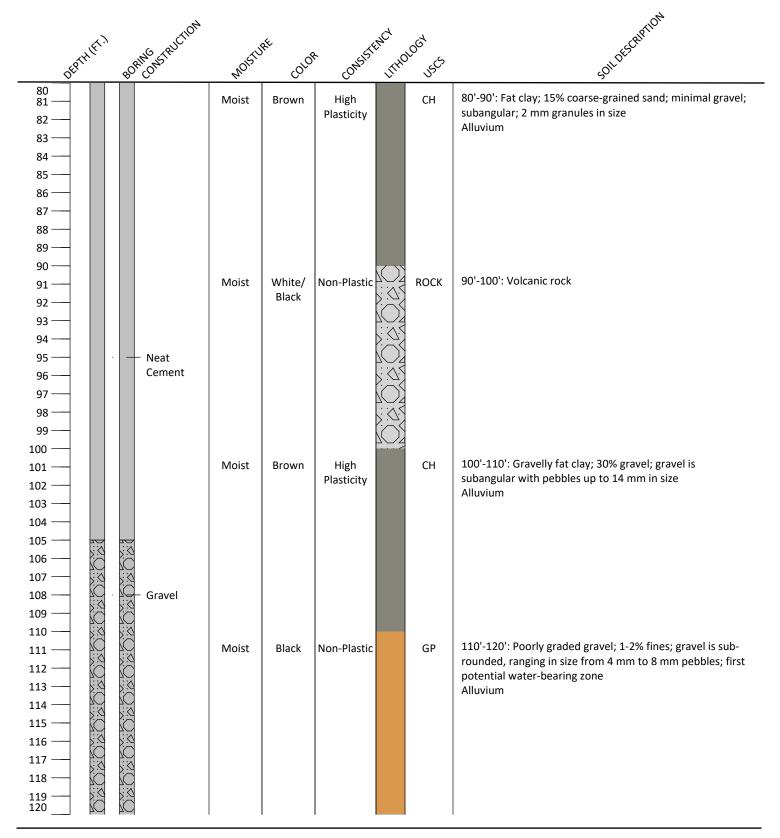
START: 0920 STOP: 1700 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer



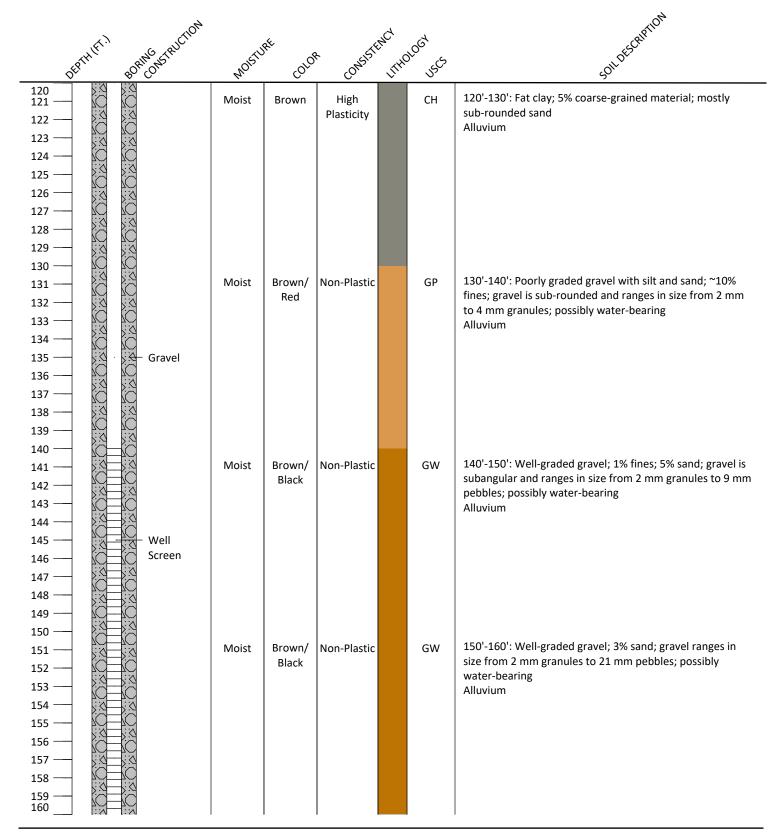


PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #1

START: 0920 STOP: 1700 PROJECT NUMBER: 22-02-169 DATE: 7/13/2022
DRILLING COMPANY: MacKay SAMPLE METHOD:
DRILLING METHOD: Mud Rotary DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer





PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #1

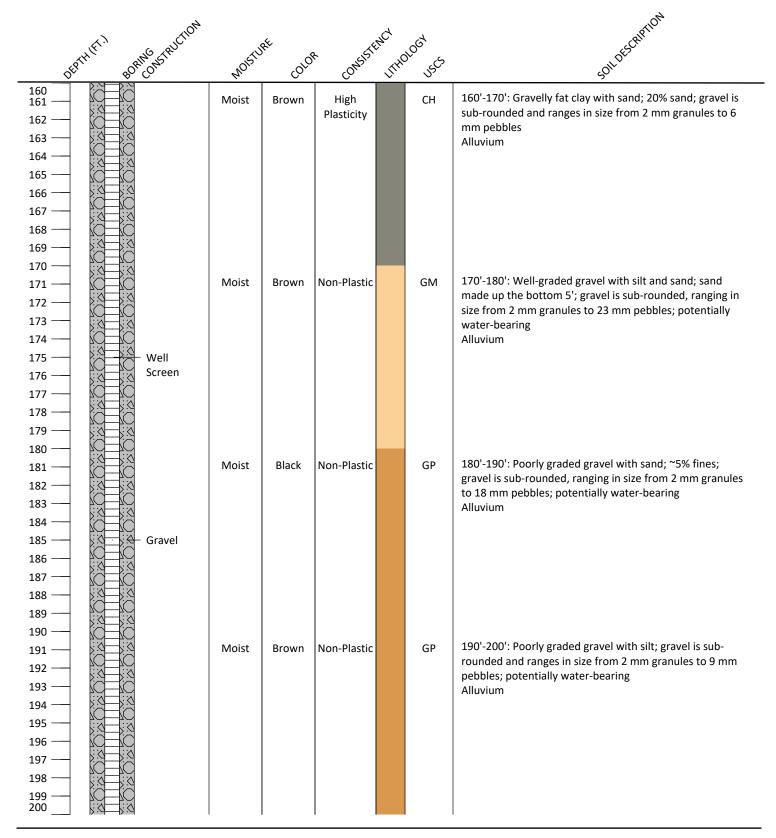
START: 0920 STOP: 1700 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer



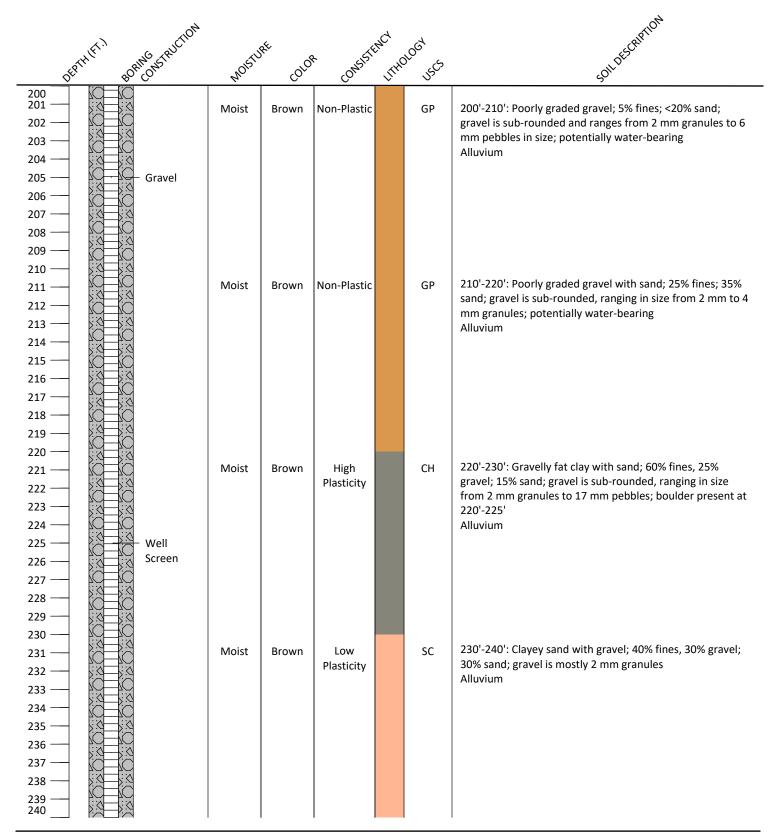


PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #1

START: 0920 STOP: 1700 PROJECT NUMBER: 22-02-169 DATE: 7/13/2022
DRILLING COMPANY: MacKay SAMPLE METHOD:
DRILLING METHOD: Mud Rotary DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer





PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

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START: 0920 STOP: 1700 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

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DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer

ote ^r	Het.)	Me ERUCTION	MOSIL	gek COLO	a constru	ITHO	ioed sec	son désaprior
240 241 — 242 — 243 — 244 — 245 — 246 — 247 —)		Moist	Brown	Non-Plastic		GM	240'-250': Silty gravel; 20% fines, 5% sand; gravel is subangular, ranging in size from 2 mm granules to 14 mm pebbles Alluvium
248 — 249 — 250 — 251 — 252 — 253 — 254 — 255 — 256 —		- Gravel	Moist	Purple	Non-Plastic		ROCK	250'-260': Volcanic rock
256 — 257 — 258 — 259 — 260 — 261 — 262 — 263 — 264 — 265 —)×O×O×O×O×O×O×O×O×O×O×O×O×O×O×O×O×O×O×O		Moist	Purple	Non-Plastic		ROCK	260'-270': Volcanic rock
266 — 267 — 268 — 269 — 270 — 271 — 272 — 273 —	> 0		Moist	Gray	Medium Plasticity		CL	270'-280': Lean clay; minor gravel; <10% sand Alluvium
274 — 275 — 276 — 277 — 278 — 279 — 280		- Bentonite						



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #1

START: 0920 STOP: 1700 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer

OFFITHER.) BORING STRUCTION	MOISTU	ak color	, ONSIST	JTHC4	noed uses	SOILDESERIPTION
280 281 —	Moist	Gray	Medium Plasticity		CL	280'-290': Sandy lean clay; 45% coarse-grained material Alluvium
284 —						
287 — (C)						
291 — SA	Moist	Gray	Medium Plasticity		CL	290'-300': Gravelly lean clay; 45% coarse-grained material; minimal sand; gravel is sub-rounded; 2 mm to 4 mm granules Alluvium
294 —						
298 —						
301 —	Moist	Gray	Medium Plasticity		CL	300'-310': Lean clay; 5% sand and gravel Alluvium
305 — 306 — 307 —						
308 — C C 309 — C C 310 — C C						240 220 5
311 — 312 — 313 — 314 —	Moist	Gray	Medium Plasticity		CL	310'-320': Sandy lean clay with minor gravel; sand is subrounded; gravel is mostly 2 mm granules Alluvium
315 —						
318 —						



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #1

START: 0920 STOP: 1700 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer

DEPTHIFT.) SORING STRUCTION	MOISTI	R.E.	k constst	incl	oe _d	SQIL DESCRIPTION.
OFFITY BORINGE	MOIST	glos coros	COMST	THY	1505	SOLO
320 321 — C C 322 — S C C	Moist	Brown	High Plasticity		СН	320'-330': Sandy fat clay; 10% gravel; gravel is sub-rounded and ranges in size from 2 mm to 4 mm granules Alluvium
323 — 324 — 3						
325 — 326 — 326 — 326						
327 —						
329 — 5	Moist	Gray	Medium		CL	330'-340': Sandy lean clay; 45% coarse-grained sand; 2%
331 —	IVIOISE	Gray	Plasticity		CL	gravel; sand is subangular Alluvium
333 — 334 — 334						
335 —						
336 —						
337 —						
338 —						
339						
340 —	NA=:=t	C	N.A. adiia		CI	340'-350': Sandy lean clay; 40% coarse-grained sand; 2%
341 — 3:0	Moist	Gray	Medium Plasticity		CL	gravel; boulder present at approximately 345'
342 — 343 — 343			,			Alluvium
344 —						
345 —						
346 —						
347						
348 —						
349 — 💢 👸						
350 — Gravel						
351 —	Moist		Non-Plastic	· · › <	ROCK	350'-360': Volcanic rock
352 —						Bedrock
353 —						
354 —				> . (7)		
355 — 💢 🖸						
356 — 👸); <u>((</u>)		
357 —						
358 —				; <u>(</u>		
359 ————————————————————————————————————						
Name of the state	•		•		•	•



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #1

START: 0920 STOP: 1700

PROJECT NUMBER: 22-02-169 DRILLING COMPANY: MacKay DRILLING METHOD: Mud Rotary

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer

SCREEN SLOT SIZE: 0.060 SAND SIZE: N/A

DATE: 7/13/2022

SAMPLE METHOD:

DRILLER: Chris

360 361 — 362 — 36	MOSTURE	COLOR CONSTITUTED USC	SOLDESENFION
363 —	Moist	Non-Plastic ROCK	360'-370': Volcanic rock Bedrock
367 — 368 — 369 — 369 — 369 — 369 — 369 — 360 —	Moist	Non-Plastic ROCK	370'-380': Volcanic rock Bedrock
377 —	Moist	Non-Plastic ROCK	380'-390': Volcanic rock; hard drilling Bedrock
386 —	Moist	Non-Plastic ROCK	390'-420': Volcanic rock Bedrock
396 —			



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

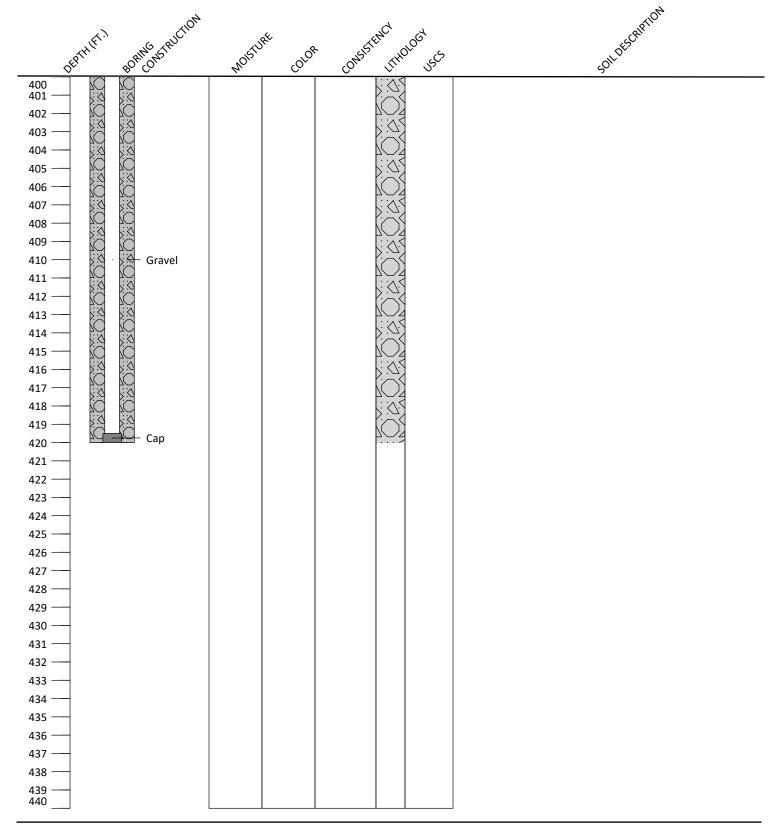
WELL ID: Production Well #1

START: 0920 STOP: 1700 PROJECT NUMBER: 22-02-169
DRILLING COMPANY: MacKay
DRILLING METHOD: Mud Rotary
WELL CASING DIAMETER: 6"

WELL CASING DIAMETER: 6" SCREEN SLOT SIZE: 0.060 DATE: 7/13/2022 SAMPLE METHOD: DRILLER: Chris

LOGGED BY: M. Sawyer

SAND SIZE: N/A





PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #1

START: 0920 STOP: 1700 PROJECT NUMBER: 22-02-169
DRILLING COMPANY: MacKay
DRILLING METHOD: Mud Rotary
WELL CASING DIAMETER: 6"

SCREEN SLOT SIZE: 0.060

DATE: 7/13/2022 SAMPLE METHOD: DRILLER: Chris

LOGGED BY: M. Sawyer

SAND SIZE: N/A

SOLDESCRIPTION

SEPTHER. SORMORERUCION

JOSTURU COLO

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COMESTEMEN LITHOLOGY



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #2

START: 1105 STOP: 1348 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

WELL CASING DIAMETER: 6"

WELL CASING DIAMETER: 6"
SCREEN SLOT SIZE: 0.060

DATE: 7/19/2022 SAMPLE METHOD: DRILLER: Chris

LOGGED BY: M. Sawyer

SAND SIZE: N/A

, 104				A	,	FRION
O & Cap	MOSTI	jek _{colo} r	CONSIST	ing Ilho	loex	SQIL DESCRIPTION SQIL DESCRIPTION
Cap Concrete	Moist	Brown	Non-Plastic	וו וא	ROCK	0-10': Volcanic rock Float
3— Well Box						
5						
7—						
9						
11 — 12 —	Moist	Brown/ Black	Medium Plasticity		CL	10'-20': Lean clay with gravel; 30% gravel; gravel is sub- rounded and ranges in size from 2 mm granules to 6 mm pebbles
13 — 14 — 1						Alluvium
15 — Neat 16 — Cement 17 — Cement						
18 — 19 —						
20 — 21 —	Moist	Brown/	Medium		CL	20'-30': Lean clay with gravel; 30% gravel; gravel is sub-
22 — 23 —		Black	Plasticity			rounded and ranges in size from 2 mm granules to 6 mm pebbles Alluvium
24 — 25 —						
26 — 27 — 20						
28 — 29 — 30 —						
31 — 32 —	Moist	Brown/ Black	Medium Plasticity		CL	30'-40': Lean clay; 5% gravel; gravel is sub-rounded, 2 mm granules
33 — 34 —						Alluvium
35 — 36 —						
37 — 38 —						
39 						



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #2

START: 1105 STOP: 1348 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer

DEPTHIFT.) BORING REPRICTION	MOSTI	gkt COLOR	· CONSIST	ITHC	noed	SOILDESCRIPTION
40 41 — 42 — 43 — 44 — 45 — 46 — 47 — 48 —	Moist	Brown/ Black	Medium Plasticity		CL	40'-50': Lean clay; 5% gravel; gravel is sub-rounded and ranges in size from 2 mm to 4 mm granules Alluvium
49 — 50 — 51 — Neat Cement 55 — 56 — 57 — 58 —	Moist	Brown/ Black	Medium Plasticity		CL	50'-60': Lean clay with gravel; 30% gravel; gravel is subrounded and ranges in size from 2 mm to 4 mm granules; small boulder possibly present Alluvium
59 — 60 — 61 — 62 — 63 — 64 — 65 — 66 — 67 — 68 —	Moist	Brown/ Black	Medium Plasticity		CL	60'-70': Lean clay with gravel; 30% gravel; gravel is subrounded and ranges in size from 2 mm to 4 mm granules Alluvium
69 — 70 — 71 — 72 — 73 — 74 — 75 — 76 — 77 — 78 — 79 — 80 _	Moist	Brown/ Black	Plastic Fines		GP	70'-80': Poorly graded gravel; <2% fines; 5% sand; gravel is sub-rounded and ranges in size from 2 mm granules to 8 mm pebbles Alluvium



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #2

START: 1105 STOP: 1348 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer

DEPTHIET.) BORING RUCTION	MOSTLY	kk COLOS	k (ONSISTÉ	MC ^d	noed uses	SOILDEERHOON
81 — 82 — 83 — 84 — 85 — 86 —	Moist	Brown/ Black	Medium Plasticity		CL	80'-90': Lean clay with gravel; 20% gravel ranging in size from 2 mm to 4 mm granules; sub-rounded Alluvium
87 — 88 — 90 — 91 — 92 — 93 — 94 — 95 — Neat Cement 97 — 00	Moist	Brown/ Black	Plastic Fines		GP	90'-100': Poorly graded gravel; 2% sand; gravel is subrounded, ranging in size from 2 mm to 4 mm granules Alluvium
98 — 99 — 100 — 101 — 102 — 103 — 104 — 105 — 105 — 105 — 105	Moist	Brown/ Black	Non-Plastic		GW	100'-110': Well-graded gravel; 10% sand; gravel size ranges from 2 mm granules to 12 mm pebbles Alluvium
106 —	Moist	Brown/ Black	Medium Plasticity		CL	110'-120': Lean clay with gravel; 15% gravel is subangular, primarily 2 mm granules Alluvium



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #2

START: 1105 STOP: 1348 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer

DEPTY	RIFT.) BORNEON FRUCTION	MOSTL	pk color	a constru	ITHC	noe'	şqii Désakrion
120 121 — 122 — 123 — 124 — 125 — 126 — 127 — 128 —		Moist	Black/ Brown	Medium Plasticity		CL	120'-130': Sandy lean clay with minor gravel; 30% sand, 5% gravel Alluvium
129 — 130 — 131 — 132 — 133 — 134 — 135 — 136 — 137 —	C	Moist	Black/ Brown	Non-Plastic		GW	130'-140': Well-graded gravel; 20% sand, 2% fines; gravel is subangular and ranges in size from 2 mm granules to 12 mm pebbles Alluvium
138 — 139 — 140 — 141 — 142 — 143 — 145 — 146 — 147 —	Well	Moist	Black/ Brown	Non-Plastic		GW	140'-150': Well-graded gravel; 10% sand; 2% fines; gravel is subangular, ranging in size from 2 mm granules to 6 mm pebbles Alluvium
148 — 149 — 150 — 151 — 152 — 153 — 155 — 156 — 157 — 158 — 159 — 160 —		Moist	Black/ Brown	Non-Plastic		GW	150'-160': Well graded gravel; 5% sand; gravel is subangular, ranging in size from 2 mm granules to 14 mm pebbles Alluvium

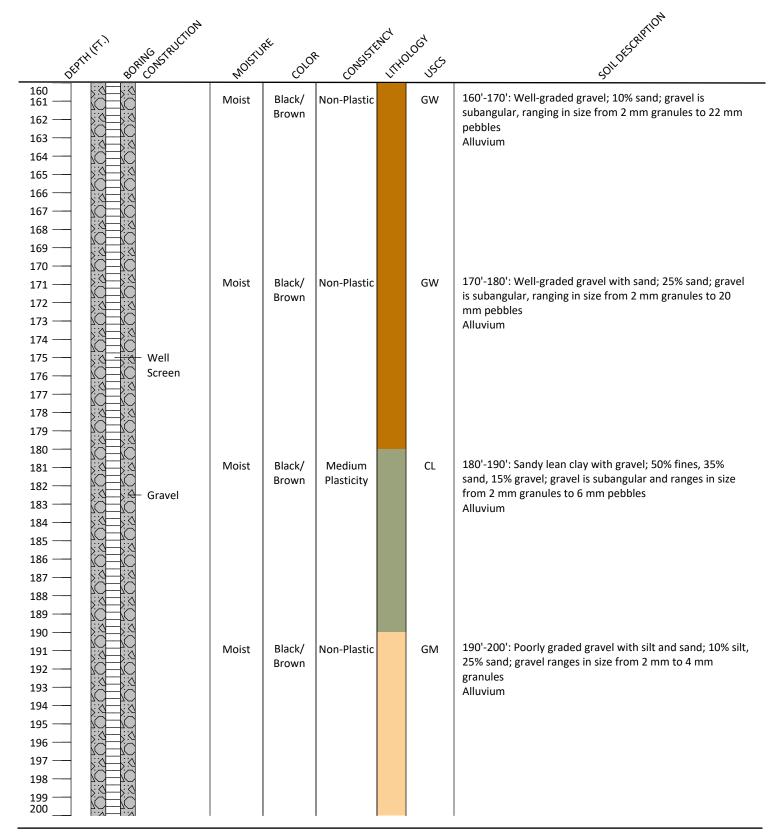


PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #2

START: 1105 STOP: 1348 PROJECT NUMBER: 22-02-169 DATE: 7/19/2022
DRILLING COMPANY: MacKay SAMPLE METHOD:
DRILLING METHOD: Mud Rotary DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer





PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #2

START: 1105 STOP: 1348 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 6" LOGGED BY: M. Sawyer

	1104				,c \		agrica.
a kar	HET.) SORING SERVICION	MOISTU	RK COLOR	L CONSIST	, THC	ioez	SOLDESCRIPTION
200 201 — 202 —		Moist	Black/ Brown	Medium Plasticity	V	CL	200'-210': Sandy lean clay with gravel; 35% sand; 15% gravel; gravel is sub-rounded and ranges in size from 2 mm
203 —				,			granules to 6 mm pebbles Alluvium
205 —	Gravel						
207 — 208 — 209 —							
210 — 211 —		Moist	Black/ Brown	Plastic Fines		GC	210'-220': Clayey gravel with sand; 15% fines, 50% gravel, 35% sand; gravel is subangular, ranging in size from 2 mm
212 — 213 — 214 —			2.0	Tilles			graules to 13 mm pebbles Alluvium
215 —							
217 —							
219 —— 220 —— 221 ——		Moist	Black/	Plastic		GC	220'-230': Clayey gravel with sand; 20% fines, 50% gravel,
222 — 223 —			Brown	Fines			35% sand; gravel is subangular, ranging in size from 2 mm granules to 13 mm pebbles Alluvium
224 —— 225 —— 226 ——	Well Screen						
227 —							
229 —		Moist	Black/			CL	230'-240': Clayey gravel with sand; 10% sand, 30% gravel;
231 — 232 — 233 —		Moist	Brown			CL	gravel is subangular and ranges in size from 2 mm granules to 17 mm pebbles Alluvium
234 — 235 —							Allaviani
236 —— 237 —— 238 ——							
239 — 240							



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Production Well #2

START: 1105 STOP: 1348

PROJECT NUMBER: 22-02-169 DRILLING COMPANY: MacKay DRILLING METHOD: Mud Rotary

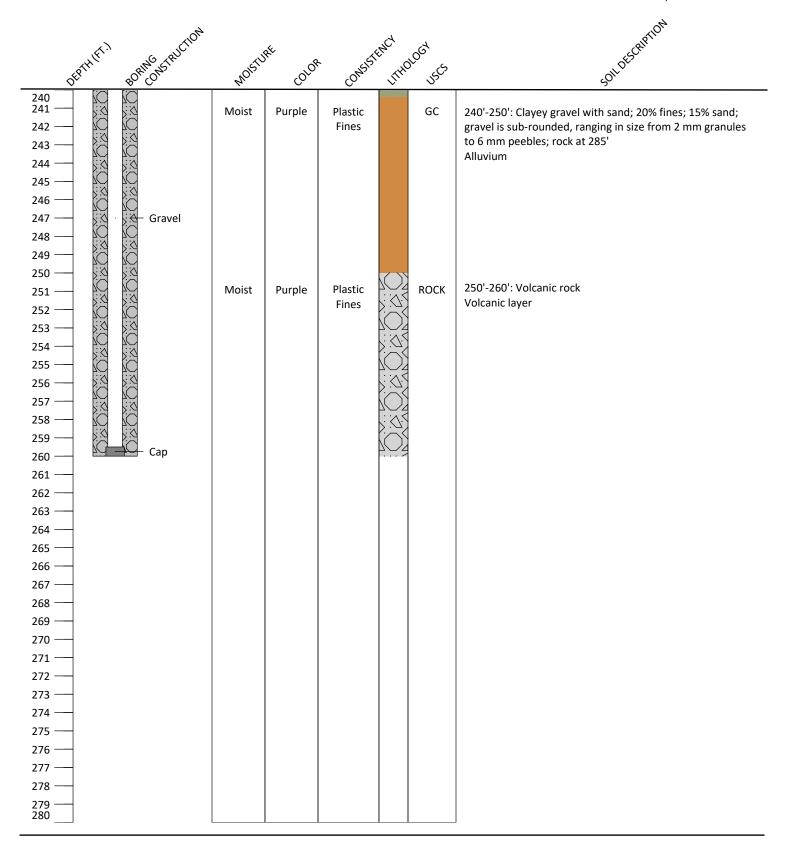
WELL CASING DIAMETER: 6"

SCREEN SLOT SIZE: 0.060

DATE: 7/19/2022 SAMPLE METHOD: DRILLER: Chris

LOGGED BY: M. Sawyer

SAND SIZE: N/A





PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Monitoring Well

START: 1140 STOP: 1349 PROJECT NUMBER: 22-02-169

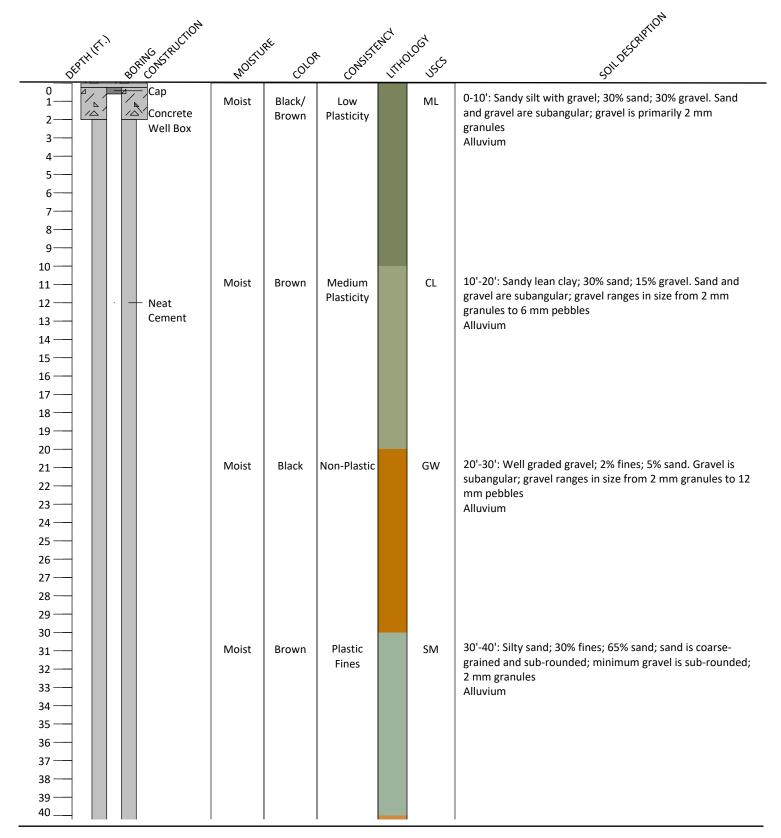
DATE: 6/22/2022

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 2" LOGGED BY: M. Sawyer





PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Monitoring Well

START: 1140 STOP: 1349 PROJECT NUMBER: 22-02-169

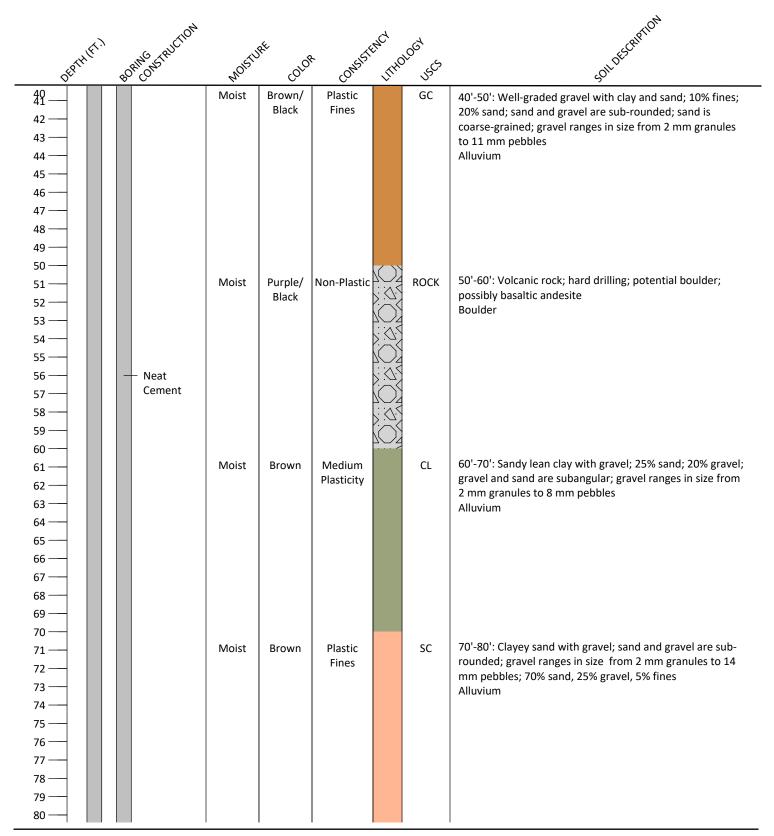
DATE: 6/22/2022

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 2" LOGGED BY: M. Sawyer





PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Monitoring Well

START: 1140 STOP: 1349 PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 2" LOGGED BY: M. Sawyer

	40;				A		SHON
Bernet.)	AND STRUCTION	MOISTU	kk color	k CONSTR	.110 (110	noch	SOI-90': Clavey sand with gravel: 40% gravel, 35% sand.
80	L. Core	Majat	COV		ŢĮ,	SC SC	80'-90': Clayey sand with gravel; 40% gravel, 35% sand,
89 — 82 —		Moist	Brown	Plastic Fines		SC	25% fines; gravel is subangular, ranging in size from 2 mm
83 —							granules to 13 mm pebbles Alluvium
84 —							
85 — 86 —							
87 —							
88 — 89 —							
90 —							
91 —		Moist	Purple	Non-Plastic	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ROCK	90'-100': Volcanic rock (possibly basaltic andesite) Boulder
92 — 93 —							Boarder
94 —					::05		
95 — - -	NeatCement						
96 —	cement						
98 —					; : <u>(</u>)		
99 —							
101 —		Moist	Brown	Low		ML	100'-110': Sandy silt with gravel; 20% gravel; sand is ultra
102 —				Plasticity			fine; gravel is subangular and ranges in size from 11 mm to 22 mm pebbles
103 —							Alluvium
105 —							
106 —							
107							
109 —							
110 —		Moist	Brown	Non-Plastic		GW	110'-120': Well graded gravel with sand; 30% sand; gravel
112 —	– Bentonite						ranges in size from 2 mm granules to 22 mm pebbles Alluvium
113							
114 —							
116 —							
117 —							
119 —							
120 —							



PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Monitoring Well

START: 1140 STOP: 1349 PROJECT NUMBER: 22-02-169

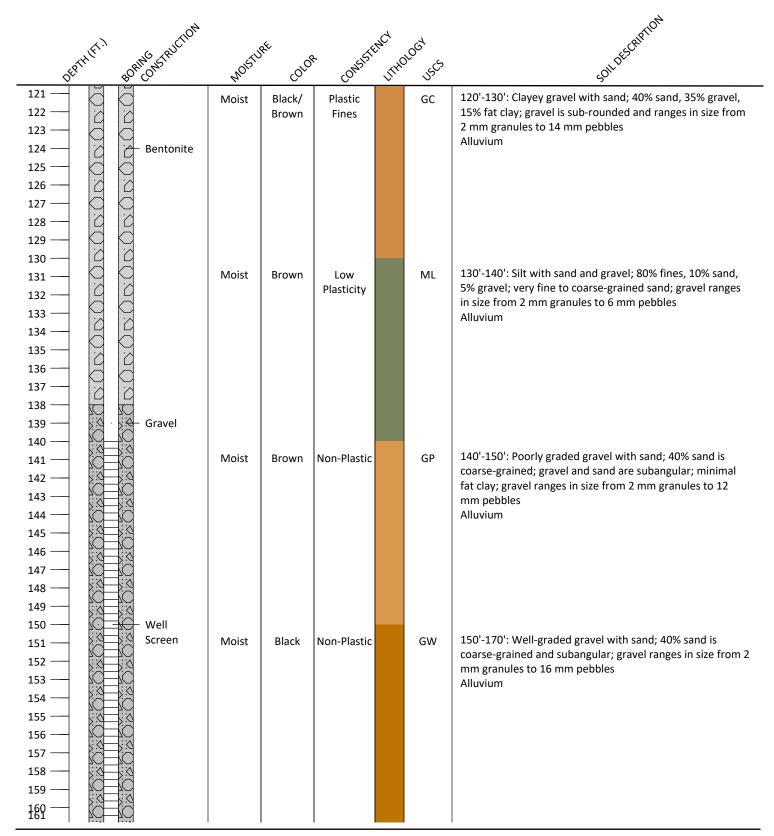
DATE: 6/22/2022

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 2" LOGGED BY: M. Sawyer



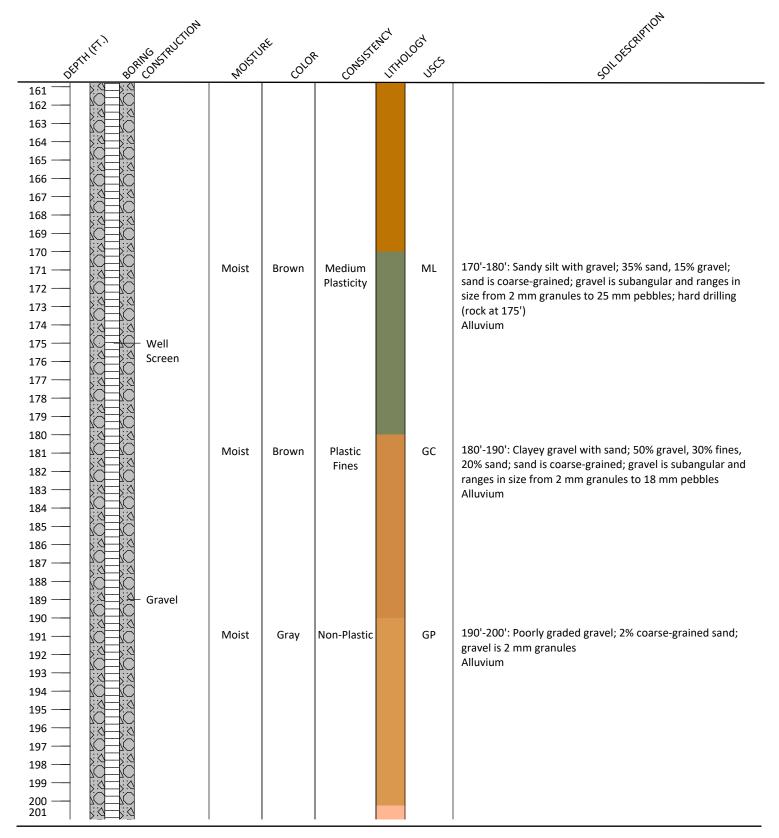


PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Monitoring Well

START: 1140 STOP: 1349 PROJECT NUMBER: 22-02-169 DATE: 6/22/2022
DRILLING COMPANY: MacKay SAMPLE METHOD:
DRILLING METHOD: Mud Rotary DRILLER: Chris

WELL CASING DIAMETER: 2" LOGGED BY: M. Sawyer





PROJECT NAME: Thomas Creek Development SITE ADDRESS: 8900 Lakeside Dr., Reno, NV

WELL ID: Monitoring Well

START: 1140 STOP: 1349

TOTAL BORING DEPTH: 240'

PROJECT NUMBER: 22-02-169

DRILLING COMPANY: MacKay

DRILLING METHOD: Mud Rotary

DRILLER: Chris

WELL CASING DIAMETER: 2" LOGGED BY: M. Sawyer

	4				,		rio ^h
	IFT.) G. RUCTIO	,	RE	X	inc,	og	, schik
SERT	HIEL. BORNE ELEVETION	MOSTI	ikr coro	k (JNSST	THO	150	SQLL DESCRIPTION SQLL DESCRIPTION 200'-210': Clavey sand: 60% sand is fine to coarse-grained:
201 202 — 203 — 204 —		Moist	Brown	Plastic Fines	·	SC	200'-210': Clayey sand; 60% sand is fine to coarse-grained; gravel is sub-rounded and ranges in size from 2 mm to 4 mm granules Alluvium
205 —— 206 —— 207 —— 208 —— 209 ——							
210 — 211 — 212 — 213 — 214 — 215 —	Gravel	Moist	Black	Non-Plastic		GP	210'-220': Poorly graded gravel with sand; 40% sand is coarse-grained; gravel ranges in size from 2 mm granules to 12 mm pebbles Alluvium
216 — 217 — 218 — 219 — 220 — 221 — 222 — 223 — 223 —	Well Screen	Moist	Dark Brown/ Red	Low Plasticity		ML	220'-230': Sandy silt; 45% sand, 5% gravel; sand is coarsegrained; gravel size is up to 4 mm granules Alluvium
224 —— 225 —— 226 —— 227 —— 228 —— 229 ——							
230 — 231 — 232 — 233 — 234 — 235 — 236 — 237 — 238 — 238 —		Moist	Purple	Non-Plastic		ROCK	230'-240': Fractured volcanic; hard drilling at 229'; possibly basaltic andesite
239 — 240 —	Cap						

Appendix C

Drawdown Data from Aquifer Test

	Production Well One	
Time [h]	Level Depth to Water [ft bls]	Drawdown [ft]
0.001	15.918	0.041
0.002	15.985	0.108
0.004	15.886	0.009
0.007	18.057	2.180
0.013	22.214	6.337
0.024	23.806	7.929
0.042	23.877	8.000
0.075	24.911	9.034
0.132	25.232	9.355
0.235	26.674	10.797
0.397	25.685	9.808
0.563	26.587	10.710
0.730	27.349	11.472
0.897	26.674	10.797
1.063	27.257	11.380
1.230	28.148	12.271
1.397	26.575	10.698
1.563	27.464	11.587
1.730	28.014	12.137
1.897	27.823	11.946
2.063	27.788	11.911
2.230	27.967	12.090
2.397	28.349	12.472
2.563	27.676	11.799
2.730	27.332	11.455
2.897	28.791	12.914
3.063	28.201	12.324
3.230	28.237	12.360
3.397	28.375	12.498
3.563	28.499	12.622
3.730	27.196	11.319
3.897	28.144	12.267
4.063	27.852	11.975
4.230	28.468	12.591
4.397	28.262	12.385
4.563	28.741	12.864
4.730	28.062	12.185
4.897	27.353	11.476
5.063	27.907	12.030
5.230	29.043	13.166
5.397	29.383	13.506
5.563	28.507	12.630
5.730	28.772	12.895
5.897	29.145	13.268
6.063	29.239	13.362
6.230	27.754	11.877

Production Well One		
Time [h]	Level Depth to Water [ft bls]	Drawdown [ft]
6.730	19.323	3.446
6.897	18.469	2.592
7.063	18.036	2.159
7.230	17.822	1.945
7.397	17.578	1.701
7.563	17.437	1.560
7.730 7.897	17.297 17.186	1.420 1.309
8.063	17.186	1.210
8.230	17.024	1.147
8.397	16.975	1.098
8.563	16.914	1.037
8.730	16.919	1.042
8.897	16.786	0.909
9.063	16.715	0.838
9.230	16.740	0.863
9.397	16.664	0.787
9.563	16.649	0.772
9.730	16.582	0.705
9.897	16.561	0.684
10.063	16.527	0.650
10.230	16.514	0.637
10.397	16.453	0.576
10.563	16.498	0.621
10.730 10.897	16.457 16.409	0.580 0.532
11.063	16.404	0.532
11.230	16.372	0.495
11.397	16.406	0.529
11.563	16.424	0.547
11.730	16.391	0.514
11.897	16.352	0.475
12.063	16.342	0.465
12.230	16.369	0.492
12.397	16.368	0.491
12.563	16.322	0.445
12.730	16.335	0.458
12.897	16.365	0.488
13.063	16.314	0.437
13.230	16.315	0.438
13.397	16.240	0.363
13.563	16.289	0.412
13.730 13.897	16.273 16.248	0.396 0.371
14.063	16.248	0.403
14.003	10.280	0.403

Production Well One		
Time [h]	Level Depth to Water [ft bls]	Drawdown [ft]
14.563	16.245	0.368
14.730	16.258	0.381
14.897	16.235	0.358
15.063	16.204	0.327
15.230	16.212	0.335
15.397	16.211	0.334
15.563	16.201	0.324
15.730	16.175	0.298
15.897	16.204	0.327
16.063	16.175	0.298
16.230	16.157	0.280
16.397	16.150	0.273
16.563	16.178	0.301
16.730	16.149	0.272
16.897	16.206	0.329
17.063	16.149	0.272
17.230	16.177	0.300
17.397	16.174	0.297
17.563	16.139	0.262
17.730	16.191	0.314
17.897	16.117	0.240
18.063	16.124	0.247
18.230	16.134	0.257
18.397	16.115	0.238
18.563	16.131	0.254
18.730	16.153	0.276
18.897	16.180	0.303
19.063	16.098	0.221
19.230	16.076	0.199
19.397	16.104	0.227
19.563	16.142	0.265
19.730	16.124	0.247
19.897	16.101	0.224
20.063	16.144	0.267
20.230	16.118	0.241
20.397	16.130	0.253
20.563	16.141	0.264
20.730	16.091	0.214
20.897	16.107	0.230
21.063	16.159	0.282
21.230	16.107	0.230
21.397	16.196	0.319
21.563	16.144	0.267
21.730	16.171	0.294

Monitoring Well		
Time [hr]	Level Depth to Water [ft bls]	Drawdown [ft]
1.667	20.973	4.413
2.500	21.289	4.729
3.333	21.503	4.943
4.167	21.666	5.106
5.000	21.752	5.192
5.833	21.858	5.298
6.667	21.953	5.393
7.500	18.108	1.548
8.333	17.614	1.054
9.167	17.372	0.812
10.000	17.193	0.633
10.833	17.083	0.523
11.667	17.047	0.487
12.500	16.937	0.377
13.333	16.898	0.338
14.167	16.908	0.348
15.000	16.851	0.291
15.833	16.808	0.248
16.667	16.774	0.214
17.500	16.784	0.224
18.333	16.781	0.221
19.167	16.754	0.194
20.000	16.751	0.191
20.833	16.774	0.214
21.667	16.812	0.252

Production Well #2		
Time [hr]	Level Depth to Water [ft bls]	Drawdown [ft]
0.333	11.640	1.314
0.500	11.906	1.580
0.667	12.137	1.811
0.833	12.271	1.945
1.000	12.426	2.100
1.167	12.491	2.165
1.333	12.606	2.280
1.500	12.706	2.380
1.667	12.751	2.425
1.833	12.845	2.519
2.000	12.935	2.609
2.167	12.981	2.655
2.333	13.039	2.713
2.500	13.086	2.760
2.667	13.083	2.757
2.833	13.136	2.810
3.000	13.145	2.819
3.167	13.213	2.887
3.333	13.292	2.966
3.500	13.285	2.959
3.667	13.266	2.940
3.833	13.341	3.015
4.000	13.355	3.029
4.167	13.397	3.071
4.333	13.376	3.050
4.500	13.407	3.081
4.667	13.485	3.159
4.833	13.515	3.189
5.000	13.498	3.172
5.167	13.558	3.232
5.333	13.601	3.275
5.500	13.515	3.189
5.667	13.568	3.242
5.833	13.617	3.291
6.000	13.601	3.275
6.167	13.629	3.303
6.333	13.623	3.297
6.500	13.728	3.402
6.667	13.426	3.100
6.833	12.736	2.410
7.000	12.387	2.061
7.167	12.108	1.782
7.333	11.951	1.625
7.500	11.830	1.504

Production Well #2		
Time [hr]	Level Depth to Water [ft bls]	Drawdown [ft]
8.000	11.500	1.174
8.167	11.440	1.114
8.333	11.341	1.015
8.500	11.288	0.962
8.667	11.244	0.918
8.833	11.215	0.889
9.000	11.163	0.837
9.167	11.093	0.767
9.333	11.059	0.733
9.500	11.051	0.725
9.667	11.061	0.735
9.833	10.953	0.627
10.000	10.953	0.627
10.167	10.885	0.559
10.333	10.893	0.567
10.500	10.872	0.546
10.667	10.862	0.536
10.833	10.829	0.503
11.000	10.857	0.531
11.167	10.836	0.510
11.333	10.800	0.474
11.500	10.765	0.439
11.667	10.822	0.496
11.833	10.786	0.460
12.000	10.751	0.425
12.167	10.764	0.438
12.333	10.756	0.430
12.500	10.708	0.382
12.667	10.736	0.410
12.833	10.726	0.400
13.000	10.694	0.368
13.167	10.694	0.368
13.333	10.696	0.370
13.500	10.701	0.375
13.667	10.662	0.336
13.833	10.613	0.287
14.000	10.661	0.335
14.167	10.640	0.314
14.333	10.602	0.276
14.500	10.622	0.296
14.667	10.618	0.292
14.833	10.589	0.263
15.000	10.584	0.258
15.167	10.582	0.256

Production Well #2		
Time [hr]	Level Depth to Water [ft bls]	Drawdown [ft]
15.667	10.534	0.208
15.833	10.581	0.255
16.000	10.543	0.217
16.167	10.542	0.216
16.333	10.535	0.209
16.500	10.548	0.222
16.667	10.574	0.248
16.833	10.479	0.153
17.000	10.535	0.209
17.167	10.496	0.170
17.333	10.559	0.233
17.500	10.545	0.219
17.667	10.514	0.188
17.833	10.510	0.184
18.000	10.508	0.182
18.167	10.530	0.204
18.333	10.513	0.187
18.500	10.536	0.210
18.667	10.496	0.170
18.833	10.501	0.175
19.000	10.510	0.184
19.167	10.464	0.138
19.333	10.521	0.195
19.500	10.549	0.223
19.667	10.534	0.208
19.833	10.519	0.193
20.000	10.461	0.135
20.167	10.491	0.165
20.333	10.525	0.199
20.500	10.538	0.212
20.667	10.508	0.182
20.833	10.527	0.201
21.000	10.532	0.206
21.167	10.509	0.183
21.333	10.532	0.206
21.500	10.554	0.228
21.667	10.519	0.193
0.000	0.000	0.000
0.000	0.000	0.000
0.000	0.000	0.000
0.000	0.000	0.000