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STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT
CTM-139-D

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

OFFICE USE ONLY
Log No. 120894
Permit No.
Basin 087

NOTICE OF INTENT NO. 71801

1. OWNER WASHOE COUNTY
MAILING ADDRESS 430 ENERGY WAY
RENO, NV 89502

ADDRESS AT WELL LOCATION ON CAUBLE BETWEEN PRATER AND C STREET
Subdivision Name: County: WASHOE

2. LOCATION SW ¼ SW ¼ Sec 4 T 19 N S R 20 E
PERMIT/WAIVER No. Issued by Water Resources Parcel No.

Latitude 39 32 12"
Longitude 119 45 04
UTM E 263563 N 4379740
☒ NAD 27 ☐ NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Replace ☐ Recondition ☐ Deepen ☐ Other

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☐ RVC ☐ Air ☒ Other SONIC

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness

NAD 27
39.536667
119.75111

Date started: 9-12, 20 14
Date completed: 9-12, 20 14

7. Water Level
Static water level: feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: °F
Quality:

8. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

9. WELL CONSTRUCTION
Depth Drilled 35 Feet Depth Cased 35 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
10"	Inches	0	Feet	35	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2		SCH 80 PVC	0	35

Perforations:
Type of perforation FACTORY SLOT
Size of perforation .020
From 35 feet to 30 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No

☒ Neat Cement	15 to 0	☒ Pumped	☐ Poured
☐ Cement Grout	to	☐ Pumped	☐ Poured
☐ Concrete Grout	to	☐ Pumped	☐ Poured
☐ ≥30% Bentonite Grout	to	☐ Pumped	☐ Poured

Gravel Pack: ☒ Yes ☐ No 35 to 29 ☐ Pumped ☒ Poured
Type: 2x12 MONTEREY / # 30 FINE
Bentonite Chips: ☒ Yes ☐ No 29 to 24 ☐ Pumped ☒ Poured
Type: MEDIUM

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name CASCADE DRILLING LP (Contractor)
Address 230 E. SYDNEY DR. (Contractor)
McCARRAN, NV 89434
Nevada contractor's license number issued by the State Contractor's Board 73966
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2434
Signed (By driller performing actual drilling on-site or contractor)
Date 9-12-14

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(Rev. 05-06)
USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08) (O) 627

CTMRD PROGRAM MONITORING WELL STRATIGRAPHIC LOG

Drilling Specifications:

Drilling Contractor: Cascade
Drilling Method: Sonic
Rig: Spider 2
Driller: Moises R.
Boring Diam.: 10.5 in TD: ____ ft
Development Method: ____
Date Start: 09/11/14 End: ____

Well Specifications:

Location Description: South Lane at corner of Rice St. and Claube St.
Coordinates: ____ ft N ____ ft E
Elevation: ____ ft Survey Method: ____
Reference Pt. Description: ____
Well TD: ____ ft bgs Well Diameter: 2 in
Screen Interval: 18-23, 30-35 ft bgs
First Water: 24 ft bgs Static Water at completion: ____ ft bgs

SEAL OF WASHOE COUNTY STATE OF NEVADA

WELL ID: CTM-139
Project: ____
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LOGGED BY: David Hahn

Depth	Engineering Properties: Density/ Consistency	Moisture	Plasticity	Cohesiveness	Transmissivity	1° Description: Color	Boulder %	Cobble %	Gravel %	Sand %	Silt %	Clay %	USCS Classification	2° Effects: Weathering/ Oxidization	Depositional Properties: Grading	Angularity	Matrix/Clast-Supported	Clast Lithology	Sedimentary Structure	Depositional Environment	Stratigraphic Contact	Graphics: PID/Samples	Lithology	Description
0																								0-5- Potholed
5	VL	D	NP	NC	H	10YR 4/2	–	35	30	30	5	–	GW	–	W	R-SA	C	Basalt Granite Granodiorite Andesite	–	FLW	–	15 17 19	–	Sand: F-C, mostly fine Gravel: S-L
	VL	D	NP	NC	H	10YR 4/2	15	15	20	45	5	–	GW	–	W	R-SA	M	" "	–	FLW	–	5 19	–	Sand: F-M, mostly fine Gravel: S-L
10	VL	D	NP	NC	H	10YR 4/2	–	20	30	45	5	–	GW	–	W	R-SA	M	" "	–	FLW	–	9 5 8	–	Sand: F-C, mostly fine, more med w/ depth Gravel: S-L
	VL	D	NP	NC	H	10YR 5/4	–	5	30	60	5	–	SW	–	W	SR-SA	M	Basalt Granodiorite Andesite	–	FLW	–	4 4	–	Sand: F-C, mostly medium Gravel: S-L, mostly small
15	VL	D	NP	NC	H	10YR 4/2	–	30	40	25	5	–	GW	–	W	R-SA	C	Rhyolite Andesite Basalt	–	FLW	–	4 74	–	Sand: Fine to coarse, mostly fine Gravel: S-L
	VL	D	NP	NC	H	10YR 4/2	–	20	30	35	10	5	GW-GM	–	W	R-A	M	Granite Basalt Andesite Granodiorite	–	FLW	–	61	–	Sand: F-C, mostly fine Gravel: S-L
20	L	M	NP	NC	M-H	10YR 4/2	–	10	15	70	5	–	SP	–	P	SR-SA	M	Basalt granodiorite andesite	–	FLW	–	32 79 47 57 42	–	Sand: F-M, mostly medium becoming fine w/ depth Gravel: S-L, mostly small
	L	M	NP	NC	M	5YR 5/2	–	15	35	40	5	5	GW-GM	–	W	R-SA	M	" "	–	FLW	–	38	–	Sand: F-C, mostly medium Gravel: S-L
	L	W	NP	NC	M	10YR 6/2	–	40	35	20	10	5	GM	–	W	R-SA	C	" "	–	FLW	–	25	–	Sand: F-M, mostly fine Gravel: S-L
25	L	W	NP	NC	H	N3	–	10	15	50	10	5	SM	–	P	SR-SA	M	" "	–	FLW	–	12	–	Sand: F-M, mostly medium, Gravel: S-L, wet silty gravel at base
	M	W	NP	NC	H	10YR 6/6	–	20	35	30	10	5	SM	MOV	W	R-SA	M	" "	–	FLW	–	6 7	–	Sand: F-C, mostly medium Gravel: S-L, mostly large Mottling Orange
	M	W	NP	NC	M	10YR 6/6	–	20	50	20	5	5	GW	–	W	R-SA	C	" "	–	FLW	–	4	–	Sand: M-C, mostly coarse, Gravel: S-L, mostly large
30	L	W	NR	NC	H	10YR 6/6	–	5	65	15	10	5	GM	–	P	R-SR	C	" "	–	FLW	–	8 33	–	Sand: Fine-Coarse Gravel: Large

Note: Description section to be used to complement and provide additional information to supplement column descriptors to the left, identify any samples collected, and describe any particulars associated with drilling behavior.

CTMRD PROGRAM MONITORING WELL STRATIGRAPHIC LOG

WELL LOCATION:

LOGGED BY: David Hahn

Well ID: CTM-139

Project:

Depth	Engineering Properties: Density/ Consistency	Moisture	Plasticity	Cohesiveness	Transmissivity	1° Description: Color	Boulder %	Cobble %	Gravel %	Sand %	Silt %	Clay %	USCS Classification	2° Effects: Weathering/ Oxidization	Depositional Properties: Grading	Angularity	Matrix/Clast-Supported	Clast Lithology	Sedimentary Structure	Depositional Environment	Stratigraphic Contact	Graphics: PID/Samples	Lithology	Description
30	m	W	LP	C	L-M		–	10	25	35	20	10	GM	MOV	W	R-SA	M	Rhyolite Dry Gravel	–	FLW	–	33	–	Sand: Medium-coarse, mostly medium, Gravel: S-L, mottling, 10R 4/6
	m	W	NP	NC	M-H		–	20	35	30	10	5	GW-GM	MOU	W	R-SA	NC	NC	–	FLW	–	7	–	Sand: Medium - Coarse, mostly medium
																						3		Gravel: S-L
																						4		Rapid Dilatancy
																						5		mottling: Orange
																						3		EOB @ 35 bls
35																								
40																								
45																								
50																								
55																								
60																								
65																								
70																								

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