VP-14

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

OFFICE USE ONLY
Log No. 118921
Permit No.
Basin 087

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

NOTICE OF INTENT NO. 70772

1. OWNER WASHOE COUNTY
MAILING ADDRESS 4930 ENERGY WAY
RENO, NV

ADDRESS AT WELL LOCATION S WELLS AVE @ CASAZZA ST
RENO, NV
Subdivision Name: County: WASHOE

2. LOCATION SW ¼ SW ¼ Sec 13 T 19 N/S R 19 E
PERMIT/WAIVER No. RIGHT OF WAY
Issued by Water Resources Parcel No.

Latitude 39° 30' 26.35" UTM E ☐ NAD 27
Longitude 119° 48' 10.78" N ☒ 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
See lith log				
NAD27				
39.50 7408° N				
119.80 1970° W				

Date started: 6-14, 20 13
Date completed: 6-14, 20 13

9. WELL CONSTRUCTION
Depth Drilled 15 Feet Depth Cased 15 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
6	Inches	0	Feet	15	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	10

Perforations:
Type of perforation FACTORY SLOT
Size of perforation .020
From 15 feet to 10 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☐ Neat Cement to ☐ Pumped ☐ Poured
☒ Cement Grout 6 to 1 ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 15 to 9 ☐ Pumped ☒ Poured
Type: 10x20 SILICA #60 FROM 9-8'
Bentonite Chips: ☒ Yes ☐ No 8 to 6 ☐ Pumped ☒ Poured
Type: MEDIUM CHIPS

7. Water Level
Static water level: Ø 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)

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name BOART LONG YEAR
Contractor
Address 7103 W. AUGUSTA AVE
Contractor
GLENDALE AZ
Nevada contractor's license number issued by the State Contractor's Board 0023976
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2133
Signed K.L. Phillips
By driller performing actual drilling on-site or contractor
Date 6-15-13

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STATE ENGINEER'S OFFICE

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08) (O) 627

118981

CTMRD PROGRAM MONITORING WELL STRATIGRAPHIC LOG

Drilling Specifications:

Drilling Contractor: Boart Longyear
Drilling Method: Sonic Rotary
Rig: 1860
Driller: DUSTIN
Boring Diam.: 6 in TD: 15 ft
Development Method:
Date Start: End:

Well Specifications:

Location Description:
Coordinates: ft N ft E
Elevation: ft Survey Method:
Reference Pt. Description:
Well TD: ft bgs Well Diameter: in
Screen Interval: ft bgs
First Water: ft bgs Static Water at completion: ft bgs

SEAL OF WASHOE COUNTY STATE OF NEVADA

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WELL ID: ASG-VP14
Project: 132867
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LOGGED BY:

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																								0-6" ASPHALT 6"-1' AB
1	MD	M	L-N	C	L		1	10	10	5	74		ML		PG	R	M		M	GOW	G			1-4 SANDY silt-silt w/ gravel, Cobbles, Boulders, F-sand,
2																								
3																								
4																								
5	D	M	N	NC	M-H	7.5yr 4/6	5	5	60	20	10		GP		PG	SR	C	Q-20 B-80	M U	GOW	G	1.4		4-8 Strong Brown, Poorly Graded Gravel w/ Silt and sand. F-C sand, F-C subround-gravel upto 3", subrnd cobbles upto 5". 1 Boulder From ~7'-8'. Andesite
6																								
7																								
8																								
9	MD	M	N	N	H	10yr 3/2		10	25	50	15		SM		PG	SR	M	Q-20 B-40 A-40	M U	GOW	G	7.3		8-10.5 Silty sand w/gravel and cobble, Silt and sand is from decomposed granite F-C sand, F-C gravel upto 3", F-cobbles up to 4".
10																								
11	MD D	M	N	N	H	10yr 4/2		10	15	75	≤ 2		SP		PG	SR R	M	B-80 A-20	M U	F	G			10.5-15 dark grayish Brown Poorly Graded sand / trace silt w/ Gravel & Cobbles, F-C sand, F-C subrnd gravel upto 3", Rounded cobbles upto 5". Cobbles From 11-11.5', @12' BGS And 15', F-C sand Between Cobbles
12																								
13																								
14																								
15																						9.8		

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.