ASG-MK-19

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

OFFICE USE ONLY
Log No. 118229
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. 69321

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

ADDRESS AT WELL LOCATION E. SIDE OF GOULD
NORTH OF KIETZKE
Subdivision Name: County: WASHOE

2. LOCATION NE ¼ SE ¼ Sec 12 T 19 N/S R 19 E
PERMIT/WAIVER No. CITY ROW
Issued by Water Resources Parcel No.

Latitude 39 31 26.70" N
Longitude 119 47 29.16 W
UTM E N
☐ 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 |
|---|---|---|---|---|
| SEE ATTACHED LITH LOG | | | | |

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Date started: 8-30, 20 13
Date completed: 8-30, 20 13

7. Water Level
Static water level: N/A 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) |
|---|---|---|
| NAD27 | | |
| 39.524172°N | | |
| 119.790416°W | | |

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 | 15 |
| | | | | |
| | | | | |

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

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

Gravel Pack: ☒ Yes ☐ No 15 to 8 ☐ Pumped ☒ Poured
Type: 10x20 SILICA.
Bentonite Chips: ☒ Yes ☐ No 8 to 6 ☐ 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 (Contractor)
Address 230 E. SYDNEY DR (Contractor)
MC CARRON, 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-M
Signed K L. Philips
By driller performing actual drilling on-site or contractor
Date 9-5-13

(Rev. 03-06)

USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08) (O) 627

# CTMRD PROGRAM MONITORING WELL STRATIGRAPHIC LOG

**Drilling Specifications:**

Drilling Contractor: Cascade
Drilling Method: ROTO-SONIC
Rig: TRUCK MOUNTED SONIC
Driller: KEN PHILLIPS
Boring Diam.: 6 in TD: 16 ft
Development Method: —
Date Start: 8/29/13 End: 8/30/13

**Well Specifications:**

Location Description: E/S/O Gould STREET
Coordinates: _____ ft N _____ ft E
Elevation: _____ ft Survey Method: _____
Reference Pt. Description:
Well TD: 15 ft bgs Well Diameter: 2 in
Screen Interval: 10-5 ft bgs
First Water: — ft bgs Static Water at completion: — ft bgs

WELL ID: ASG-MKA
Project: 135534
Page 1 of 1
LOGGED BY: M. OWENS

| Depth | Density/ Consistency | Moisture | Plasticity | Cohesiveness | Transmissivity | Color | Boulder % | Cobble % | Gravel % | Sand % | Silt % | Clay % | USCS Classification | Weathering/ Oxidization | Grading | Angularity | Matrix/Clast-Supported | Clast Lithology | Sedimentary Structure | Depositional Environment | Stratigraphic Contact | PID/Samples | Lithology | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | | | | | | | | | | | | | | | 6" ASPHALT, 18" CEMENT Treated Base, 3" ASPH. |
| | MD | M | NP | NC | H | 10YR 3/4 | - | 10 | 10 | 65 | 15 | | SM | | PG | R | MTX | B-80 A-20 | MU | F | G | 2.0 | | Yellowish Brn Silty Sand w/Gravel, Cobb F-C Sand, F-C Rounded gravel to 2", Rounded cobbles (to 6") |
| 5 | | | | | | | | | | | | | | | | | | | | | | 8.2 | | 5-8 Brown Silty Sand w/ Gravel & Cobbles, F-C Angular Sand, F-Subangular Gravel to Round Crs gravel (Rnd to S. Rnd) Basalt Cobbles (to 5"). Increase in Cobble size @ ~7' |
| | MD D | M | NP | NC | M-H | 7.5YR 4/2 | 2% | 23 | 25 | 35 | 15 | | SM | | PG | A-R | MTX | B-80 A-20 | MU | FLV | G | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | 2.0 | | Vessiculer Basalt From 8-11 |
| | D MD | M | NP | NC | H | 10YR 4/3 | 1% | 5% | 25 | 74 | 5 | | SP | | PG | SA | MTX | B-100 | MU | FN | G | 4.9 | | 11-16. Brn Poorly Graded Sand, F-C Ang Sand-SA Sand, F-C Subang Grav, Rnd Cobbles to ~5". Trace Fines. |
| 15 | | | | | | | | | | | | | | | | | | | | | | 3.3 | | Basalt Bldr |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | |

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.

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