ER-03

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

OFFICE USE ONLY
Log No. 119606
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. 70774

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

ADDRESS AT WELL LOCATION ON SULLIVAN AVE
300 YDS SOUTH OF MERCHANT
Subdivision Name: County: WASHOE

2. LOCATION ~~SW~~ ¼ ~~NW~~ ¼ Sec 5 T 19 N/S R 20 E
PERMIT/WAIVER No. NE 6 CITY ROW
Issued by Water Resources Parcel No.

Latitude 39° 32' 38"
Longitude 119° 46' 17"
UTM E ☐ NAD 27
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 ATTACHED LITH LOG | | | | |
| Nad 27 39.543889 N 119.771389 | | | | |

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Date started: 6-28-13, 20 13
Date completed: 6-28-13, 20 13

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) |
|---|---|---|
| | | |

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 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 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 8 ☐ Pumped ☒ Poured
Type: 10x20 SILICA, #60 FINE
Bentonite Chips: ☒ Yes ☐ No 8 to 6 ☐ Pumped ☒ Poured
Type: MEDIUM CHIPS

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name BOART LONGYEAR
Contractor
Address 7103 W. AUGUSTA AVE
Contractor
GLENDALE, AZ
Nevada contractor's license number issued by the State Contractor's Board ~~2434 M~~ 0021976
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2434 M
Signed [signature]
By driller performing actual drilling on-site or contractor
Date 6-28-13

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

(NSPO 3-08) (O) 627

log 119606

# CTMRD PROGRAM MONITORING WELL STRATIGRAPHIC LOG

**Drilling Specifications:**

Drilling Contractor: Boart Longyear
Drilling Method: Rotosonic
Rig: Sonic
Driller: Ed Soto
Boring Diam.: 6 in TD: 16 ft
Development Method: N/A
Date Start: 6/28/16 End:

**Well Specifications:**

Location Description: Center ln of Sullivan South of [illegible]
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: N/A ft bgs Static Water at completion: N/A ft bgs

WELL ID: ASG-ER-03
Project: 12001010
Page 1 of 1
LOGGED BY: Brad Vance

| 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 | | | | | | | | | | | | | | | | | | | | | | | | Hand drill to 5' |
| | S | m | NP | NC | H | 7.5Y 5/6 | 0 | 20 | 5 | 75 | 0 | 0 | SW | none | PG | R | m | 6-80 0-20 | m | Fluv | G | N/A | | |
| 5 | L | D | NP | NC | H | 2.5YR 4/2 | 70 | 10 | 10 | 10 | 0 | 0 | GW | none | PG | SR | C | [illegible] -100 | m | Col | S | 10K+ | | |
| | S | m | NP | NC | H | 2.5Y 4/1 | 0 | 35 | 15 | 65 | 0 | 0 | SW | none | WG | SA | m | V-100 | m | Col | G | 10K+ | | |
| 10 | S | m | NP | NC | H | 5Y 4/1 | 0 | 15 | 20 | 65 | 0 | 0 | SW | none | WG | SR | m | V-100 | m | Fluv | G | 3180 | | |
| | S | m | NP | NC | H | 10YR 4/3 | 0 | 5 | 20 | 75 | 0 | 0 | SW | none | WG | SR | m | V-100 | m | Fluv | G | 1120 | | |
| 15 | L | D | NP | NC | H | 10YR 5/1 | 0 | 35 | 35 | 30 | | | GW | none | WG | SR | C | V-100 | m | Col | G | 10K+ | | TD=16' |
| 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.