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

OFFICE USE ONLY
Log No. 104486
Permit No.
Basin 076

**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. 61548

1. OWNER: CITY OF FERNLEY
MAILING ADDRESS: 595 Silver Lace Blvd.
Fernley, NV 89408

ADDRESS AT WELL LOCATION: Test Hole # 2
Subdivision Name: County: Lyon

2. LOCATION SW ¼ SW ¼ Sec 1 T 20N N/S R 24 E
PERMIT/WAIVER No. 76166/W-613A (Issued by Water Resources) 21-581-03 Parcel No.

Latitude N39.62279 Longitude W119.24595
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

6. LITHOLOGIC LOG

| Material | Water Strata | From | To | Thickness |
|---|---|---|---|---|
| Sand | | 0 | 8 | 8 |
| Clay | | 8 | 22 | 14 |
| Sand and clay | | 22 | 150 | 128 |
| Gravel | | 150 | 180 | 30 |
| Clay | | 180 | 190 | 10 |
| Gravel and clay | | 190 | 1000 | 810 |

N 39.622896
W 119.244958 NAD27

Date started: 9/5/2007, 20
Date completed: 9/17/2007, 20

9. WELL CONSTRUCTION
Depth Drilled 1000 Feet Depth Cased 975 Feet

HOLE DIAMETER (BIT SIZE)

| | | From | | To | |
|---|---|---|---|---|---|
| 12.25 | Inches | 0 | Feet | 1000 | Feet |
| | Inches | | Feet | | Feet |
| | Inches | | Feet | | Feet |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|---|---|---|---|---|
| 6 5/8 | | .188 | +2 | 975 |

Perforations:
Type of perforation: mill slot
Size of perforation: .090 X 3

| | | | | |
|---|---|---|---|---|
| From | 240-260 | feet to | 705-740 | feet |
| From | 320-390 | feet to | 880-900 | feet |
| From | 545-570 | feet to | 940-970 | feet |
| From | 675-690 | feet to | | feet |
| From | | feet to | | feet |

Annular Seal: ☒ Yes ☐ No

| | | | | |
|---|---|---|---|---|
| ☐ Neat Cement | to | | ☐ Pumped | ☐ Poured |
| ☒ Cement Grout | 0 to 160 | | ☒ Pumped | ☐ Poured |
| ☐ Concrete Grout | to | | ☐ Pumped | ☐ Poured |
| ☐ ≥30% Bentonite Grout | to | | ☐ Pumped | ☐ Poured |

Gravel Pack: ☒ Yes ☐ No 160 to 1000 ☐ Pumped ☒ Poured
Type: 1/8 X 1/4 Pea Gravel
Bentonite Chips: ☐ Yes ☐ No to ☐ Pumped ☐ Poured
Type:

7. Water Level
*Static water level:* 131.5 feet below land surface
Artesian Flow: NA G.P.M. NA P.S.I.
Water Temperature: Cool °F
Quality: Good

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

| | G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|---|---|---|---|
| PWL=161.5 | 400 | 30 | 64 |

STATE ENGINEERS OFFICE
2007 OCT 15 PM 12:57
RECEIVED

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name: Humboldt Drilling & Pump Company (Contractor)
Address: 4975 W. Winnemucca Blvd. (Contractor)
Winnemucca, Nevada 89445
Nevada contractor's license number issued by the *State Contractor's Board*: 56797
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller*: 1713
Signed: Judi Leach, Office (By driller performing actual drilling on site or contractor)
Date: 10/10/07

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