STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 115859
Permit No.
Basin HDC

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. 67160

1. OWNER US Army Hawthorne Army Depot
MAILING ADDRESS 2 S Maine Ave. Hawthorne, NV 89415

ADDRESS AT WELL LOCATION Facility ID: HWAAP-115 IRP-MW-115
Hawthorne Army Depot Hawthorne, NV
Subdivision Name: County: Mineral

2. LOCATION NE ¼ SE ¼ Sec 12 T 08N N/S R 30 E
PERMIT/WAIVER No. (issued by Water Resources) Parcel No.

Latitude 38.567064°N
Longitude 118.580470°W
UTM E N
[X] NAD 27
[ ] NAD 83/WGS 84

3. WORKED PERFORMED
[X] New Well [ ] Replace [ ] Recondition
[ ] Deepen [ ] Other

4. PROPOSED USE
[ ] Domestic [ ] Irrigation [ ] Test
[ ] Municipal/Industrial [X] Monitor [ ] Stock

5. WELL TYPE
[ ] Cable [ ] Rotary [ ] RVC
[ ] Air [X] Other Auger

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Fine sands, beach sand		0	70	70
Sandy silty mix with 3/4" rock		70	100	30
Sandy silty mix, fine sands	122	100	137	37

Date started: 25-Sep, 20 12
Date completed: 26-Sep, 20 12

7. Water Level
Static water level: 122 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 137 Feet Depth Cased 137 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
10 Inches	0 Feet	137 Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4		Sch 40	0	137

Perforations:
Type of perforation Slot
Size of perforation .010
From 117 feet to 137 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: [X] Yes [ ] No
[ ] Neat Cement to [ ] Pumped [ ] Poured
[X] Cement Grout 0 to 111 [X] Pumped [ ] Poured
[ ] Concrete Grout to [ ] Pumped [ ] Poured
[ ] ≥30% Bentonite Grout to [ ] Pumped [ ] Poured

Gravel Pack: [X] Yes [ ] No 115 to 137 [ ] Pumped [X] Poured
Type: 2/12
Bentonite Chips: [X] Yes [ ] No 111 to 115 [ ] Pumped [X] 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 Cascade Drilling, L.P. (Contractor)
Address 3632 Omec Circle (Contractor)
Rancho Cordova, CA 95742
Nevada contractor's license number issued by the *State Contractor's Board* 0073966
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 2467
Signed (By driller performing actual drilling on site or contractor)
Date 2-Nov-12

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY

2012 NOV 7 AM 11:33 STATE ENGINEERS OFFICE