ORIGINAL

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

OFFICE USE ONLY
Log No. 114733
Permit No.
Basin 142

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. 67738

1. OWNER METALLIC GOLDFIELD, INC.
MAILING ADDRESS 230 SOUTH ROCK BLVD, SUITE 30
RENO, NV 89502

ADDRESS AT WELL LOCATION MW - 20
ALKALI SPRING VALLEY
Subdivision Name: County: Esmeralda

2. LOCATION SE ¼ NE ¼ Sec 36 T 02S N/S R 42 E
PERMIT/WAIVER No. M/O 1731 (Issued by Water Resources) Parcel No.

Latitude 37* 43.405 N
Longitude 117* 12.485 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

6. LITHOLOGIC LOG

| Material | Water Strata | From | To | Thickness |
|---|---|---|---|---|
| BROWN ROCKY CLAY | | 0' | 5' | 5' |
| BROWN FRACTURED ROCK | | 5' | 120' | 115' |
| GRAY ANDASITE | | 120' | 550' | 430' |

DCNR/DWR
RECEIVED
NOV 14 2011
LAS VEGAS OFFICE

Date started: 28-Oct , 20 11
Date completed: 30-Oct , 20 11

9. WELL CONSTRUCTION
Depth Drilled 550' Feet Depth Cased 540' Feet

HOLE DIAMETER (BIT SIZE)

| | | From | | To | |
|---|---|---|---|---|---|
| 12 1/4" | Inches | 0' | Feet | 20' | Feet |
| 8" | Inches | 20' | Feet | 550' | Feet |
| | Inches | | Feet | | Feet |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|---|---|---|---|---|
| 8 5/8" | | .188" | +2' | 20' |
| 4" | | SCH. 80 | +1.5" | 540' |

Perforations:
Type of perforation SCREEN
Size of perforation 0.010"
From 440' feet to 540' feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0' to 20' ☒ Pumped ☐ Poured
☐ Cement Grout 20' to 425' ☒ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☒ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 430' to 550' ☐ Pumped ☒ Poured
Type: SRI 8 X 16
Bentonite Chips: ☒ Yes ☐ No 425' to 430' ☐ Pumped ☒ Poured
Type: 3/8" HOLE PLUG

7. Water Level
Static water level: 440' feet below land surface
Artesian Flow: NO G.P.M. 0 P.S.I.
Water Temperature: COOL °F
Quality:

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

| | G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|---|---|---|---|
| AIRLIFT | 5 | | 2 HRS |

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Hydro Resources-West, Inc. (Contractor)
Address 4975 W. Winnemucca Blvd. (Contractor)
Winnemucca NV, 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 Michelle Strother (By driller performing actual drilling on site or contractor)
Date 11/10/11

(Rev. 05-06)

USE ADDITIONAL SHEETS IF NECESSARY