STATE OF NEVADA
DIVISION OF WATER RESOURCES

# WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 124962
Permit No. 77179
Basin No. 054

**PRINT OR TYPE IN BLACK INK 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. 74308
WELL NAME *(If applicable)*: DW-44

1. OWNER/CLIENT NAME: Barrick Cortez
MAILING ADDRESS: HC-66 Box 1250, Crescent Valley, NV 89821

DETAILED ADDRESS AT WELL LOCATION: CHOP
1 mile above CHOP fire water tank
*Subdivision Name:* *County:* Lander

2. PLS LOCATION: SE ¼ NE ¼ 6 Sec 26 N/S 48 E
PERMIT/WAIVER NO. 77179 *Issued by Water Resources* Order 1139 *Current Parcel No.*

Latitude: UTM E 534101.018 [x] NAD 27
Longitude: UTM N 444647.114 [ ] NAD 83/WGS 84

3. WORKED PERFORMED
[x] New Well [ ] Deepen: Orig WL#
[ ] Replacement: Original well log #
[ ] Recondition: Original well log #

4. PROPOSED USE
[ ] Domestic [ ] Irrigation [ ] Monitor
[x] Mining / Dewater [ ] Com / Ind [ ] Stock
[ ] Test / Other [ ] Mun / QM [ ] Rec

5. WELL TYPE
[ ] Auger [x] Rotary [ ] RVC
[ ] Air [ ] Mud [ ] Sonic
[ ] Other

6. LITHOLOGIC LOG

| Material Encountered | Lost Circ. | Water Strata | From | To |
|---|---|---|---|---|
| Aluvium gravels and clay | | | 0 | 140 |
| Limestone | | | 140 | 2005 |

Date started: 3-Dec, 20 15
Date completed: 29-Feb, 20 16

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9. CONSTRUCTION
Depth Drilled: 2005 Feet Depth Cased: 2000 Feet

*HOLE DIAMETER (BIT SIZE)*

| | | From | | To | |
|---|---|---|---|---|---|
| 30 | Inches | 0 | Feet | 55 | Feet |
| 24 | Inches | 55 | Feet | 2005 | Feet |
| | Inches | | Feet | | Feet |

*CASING SCHEDULE*

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|---|---|---|---|---|
| 26 | ID2 | .375 | 0 | 55 |
| 18 | 70.59 | .375 | +2 | 2000 |
| 2.375 | | sch 80 | +2 | 1960 |

*ANNULAR MATERIALS*

Sanitary Seal x [ ] Yes [ ] No

| | | | | | |
|---|---|---|---|---|---|
| [x] Neat Cement | 0 | to | 220 | [x] Pumped | [ ] Poured |
| [ ] Cement Grout | | to | | [ ] Pumped | [ ] Poured |
| [ ] Concrete Grout | | to | | [ ] Pumped | [ ] Poured |
| [x] Bentonite Chips | 220 | to | 240 | [ ] Pumped | [x] Poured |
| [x] Gravel Pack [ > 0.2 in. ] | 240 | to | 2005 | [ ] Pumped | [x] Poured |
| [ ] Sand Pack [ < 0.2 in. ] | | to | | [ ] Pumped | [ ] Poured |
| [ ] Other, explain: | | to | | [ ] Pumped | [ ] Poured |

*PERFORATIONS:*
Type of perforation: full flow louvered
Size of perforation: 0.125

| | | | | | |
|---|---|---|---|---|---|
| From | 280 | Feet | To | 320 | Feet |
| From | 560 | Feet | To | 600 | Feet |
| From | 840 | Feet | To | 880 | Feet |
| From | 1120 | Feet | To | 2000 | Feet |
| From | | Feet | To | | Feet |

7. *WATER QUALITIES*
*Static water level:* 1028 Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: 60 ° Fahrenheit
Water Quality: good

8. WELL TEST DATA
*Test Method:* [ ] Bailer [ ] Pump [x] Air Lift

| | G.P.M. | Draw Down (Feet Below Static) | Recorded Time (Hours) |
|---|---|---|---|
| Air lift | 210 | 0 | 1 hr |
| | | NAD 27 | |
| | | 40.153375 | |
| | | 116.599616 | |

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name: National EWP *Contractor*
Address: 580 W Silver St. Elko, NV 89801 *Contractor*
Nevada contractor's license number as issued by the *State Contractor's Board:* 75355
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2459
Signed: *By driller performing actual drilling on site or contractor*
Date: 3-7-16

*(Rev. 12-13)* **USE ADDITIONAL SHEETS IF NECESSARY** pg. of pg.