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

OFFICE USE ONLY
Log No. 116402
Permit No.
Basin 054

**PRINT OR TYPE ONLY**
**DO NOT WRITE ON BACK**

***Please complete this form it its entirety in accordance with NRS 534.170 and NAC 534.340***

NOTICE OF INTENT NO. 67328

1. OWNER Barrick /Cortez Gold Mines
MAILING ADDRESS HC 66 Box 1250
Cresent Valley, NV 89821-1250

ADDRESS AT WELL LOCATION Cortez Hills Mine
Hole # CHPZ-210

2. LOCATION SW ¼ NE ¼ Sec 31 T 27N N/S R 48 E
PERMIT/WAIVER No. M/O-1703 A
*Issued by Water Resources* Parcel No.

Latitude
Longitude
Subdivision Name:
UTM E 533,902.168 ☑ NAD 27
N 4,446,400.152 ☐ NAD 83/WGS 84
*County:* Lander

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 |
|---|---|---|---|---|
| Gray Limestone | | 0 | 390 | 390 |
| fault | | 390 | 430 | 40 |
| Gray Limestone | | 430 | 680 | 250 |
| 0-50' neat cement | | | | |
| 50-490' 3/8" pel plug | | | | |
| 490-510 1/4" gravel | | | | |
| 510-658' 3/8" pel plug | | | | |
| 658-680' 1/4" gravel | | | | |
| transducers @ 500, 665 in PVC | | | | |
| PVC was filled with neat cement | | | | |
| after air lift was completed. | | | | |
| Well is plugged. | | | | |

Date started June 16th, , 20 11
Date completed June 30th, , 20 11

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☑ Air Lift

| G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|---|---|---|
| 660 | 2.0 | n/a | 2 hr |

8. WELL CONSTRUCTION
Depth Drilled 680 Feet Depth Cased 680 Feet

HOLE DIAMETER (BIT SIZE)

| | | From | | To | |
|---|---|---|---|---|---|
| 12.250 | Inches | 0 | Feet | 20 | Feet |
| 6 | Inches | 20 | Feet | 680 | Feet |
| | Inches | | Feet | | Feet |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|---|---|---|---|---|
| 7.625 | 23.54 | .301 | +2 | 20 |
| 2.375 | .959 | .154 | +1.5 | 660 |

*Perforations:*
Type of perforation mill slot
Size of perforation 0.02
From 660 feet to 680 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal 50
Placement Method: ☑ Pumped ☐ Poured
Seal Type: ☑ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Gravel Packed: ☑ Yes ☐ No
From 658 feet to 680 feet

9. WATER LEVEL
*Static water level* 285 feet below land surface
Artesian flow n/a G.P.M P.S.I
Water temperature 65 °F Quality

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name National EWP Inc. (Contractor)
Address 580 W. Sliver St. Elko NV, 89801 (Contractor)
Nevada contractor's license number issued by the *State Contractor's Board* 0075355
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 2283
Signed (By driller performing actual drilling on site or contractor)
Date 7/11/2011

(Rev. 06/10)
**USE ADDITIONAL SHEETS IF NECESSARY**

40.169177°N NAD27
116.601858°W Dec/Deg