STATE OF NEVADA
DIVISION OF WATER RESOURCES

# WELL DRILLER'S REPORT

**OFFICE USE ONLY**
Log No. 116392
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. 66584

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

ADDRESS AT WELL LOCATION Cortez Hills Mine
Hole # CHPZ-212

2. LOCATION NW¼ SE/NE ¼ Sec 31 T 27N N/S R 48 E
PERMIT/WAIVER No. M/O-1703 (Issued by Water Resources) Parcel No.

Latitude
Longitude
UTM E 533,758.000 ☑ NAD 27
N 4,446,148.000 ☐ NAD 83/WGS 84
Subdivision Name: 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 | 320 | 320 |
| Fault | | 320 | 340 | 20 |
| Gray Limestone | | 340 | 780 | 440 |
| Fault | | 780 | 800 | 20 |
| Gray Limestone | | 800 | 880 | 80 |
| 40.166912 °N NAD27 | | | | |
| 116.603565 °W | | | | |
| 0-53' neat cement | | | | |
| 53-557' 3/8" hole plug | | | | |
| 557-562' 1/4" gravel | | | | |
| 562-747' 3/8" hole plug | | | | |
| 747-753' 1/4 gravel | | | | |
| 753-855' 3/8" hole plug | | | | |
| 855-880' 1/4" gravel | | | | |
| transducer @ 560, 750 and | | | | |
| 880 inside casing | | | | |
| PVC was filled with neat cement | | | | |
| after air lift was completed. Well | | | | |
| is plugged. | | | | |

Date started July 10, 20 11
Date completed July 15, 20 11

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

| | G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|---|---|---|---|
| 680 | 3.0 | n/a | 2 hr |

8. WELL CONSTRUCTION
Depth Drilled 880 Feet Depth Cased 880 Feet

HOLE DIAMETER (BIT SIZE)

| | | From | | To | |
|---|---|---|---|---|---|
| 12.25 | Inches | 0 | Feet | 20 | Feet |
| 6 | Inches | 20 | Feet | 880 | Feet |
| | Inches | | Feet | | Feet |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|---|---|---|---|---|
| 6.675 | 18.97 | .280 | +2 | 20 |
| 2.375 | .959 | .154 | +1.5 | 880 |

Perforations:
Type of perforation mill slot
Size of perforation 0.02
From 860 feet to 880 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal 53'
Placement Method: ☑ Pumped ☐ Poured
Seal Type: ☑ Neat Cement ☐ Cement Grout ☐ Concrete Grout
Gravel Packed: ☑ Yes ☐ No
From 855 feet to 880 feet

9. WATER LEVEL
Static water level 151 feet below land surface
Artesian flow n/a G.P.M P.S.I
Water temperature 60 °F Quality good

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 7/25/2011

(Rev. 06/10)

**USE ADDITIONAL SHEETS IF NECESSARY**