STATE OF NEVADA

DIVISION OF WATER RESOURCES

# WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 107029
Permit No.
Basin 054

PRINT OR TYPE ONLY

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

NOTICE OF INTENT NO. 63043

1. OWNER Barrick Cortez Mine CHPZ-126
MAILING ADDRESS HC66 Box 1250
Crescent Valley, NV 89821

ADDRESS AT WELL LOCATION Cortez Mine, south of Crescent Valley, NV
Subdivision Name: NA County: Lander

2. LOCATION SW¼SW¼ Sec31T27N/ R48E
PERMIT/WAIVER NO. M/O-1513 (Issued by Water Resources) NA (Parcel. No.)

Latitude 40.161057 Longitude 116.612077
UTM E 533036 N 4445495 ☒ NAD 27 ☐ NAD 83/WGS 84

3. WORK 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 |
|---|---|---|---|---|
| Comglomerate | | 0' | 720' | 720' |
| Gray/Lt. Gray Limestone | | 720' | 950' | 230' |
| Gray Limestone w/Calcite | | 950' | 1090' | 140' |
| Gray/Dk. Gray Limestone | | 1090' | 1310' | 220' |
| Light Gray Limestone w/Calcite | | 1310' | 1370' | 60' |
| Dark Gray Limestone | | 1370' | 1550' | 180' |
| Light Gray Limestone w/Calcite | | 1550' | 1630' | 80' |
| Dark Gray Limestone | | 1630' | 1670' | 40' |
| Tan Limestone | | 1670' | 1740' | 70' |
| Gray/Lt. Gray Limestone | | 1740' | 1840' | 100' |
| Gray/Brown/Black Limestone | | 1840' | 1910' | 70' |
| Light Tan Limestone | | 1910' | 2000' | 90' |
| Lt. Gray/Tan Limestone | | 2000' | 2170' | 170' |
| Gray Limestone w/Clay | | 2170' | 2200' | 30' |
| Tan Limestone | | 2200' | 2240' | 40' |
| Gray Clay | | 2240' | 2250' | 10' |
| Light & Dark Gray Limestone | | 2250' | 2480' | 230' |
| Light Gray/Tan Limestone | | 2480' | 2600' | 120' |
| Dike | | 2600' | 2640' | 40' |
| Gray/Dk. GrayLimestone w/Clay | | 2640' | 2720' | 80' |
| Altered Limestone | | 2720' | 2860' | 140' |
| White Clay | | 2860' | 2870' | 10' |
| Solidified Limestone | | 2870' | 2940' | 70' |

Date started: 13-Aug, 20 08
Date completed: 07-Sep, 20 08

7. Water Level
Static water level: 1476 feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: 65 °F
Quality:

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

| G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|---|---|---|
| 222 | Before running Casing | 1.0 |

9. WELL CONSTRUCTION
Depth Drilled 2940 Feet Depth Cased 2860 Feet

HOLE DIAMETER (BIT SIZE)

| | From | To |
|---|---|---|
| 20.00 Inches | 0 Feet | 65 Feet |
| 12.25 Inches | 65 Feet | 2650 Feet |
| 6.50 Inches | 2650 Feet | 2940 Feet |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|---|---|---|---|---|
| 16.00 | 82.58 | .375 | 0 | 65 |
| 7.625 | 29.036 | .375 | +1 | 2645 |
| 2.375 | 5.02 | .218 | +1 | 2860 |

Perforations:
Type of perforation Milled Slot
Size of perforation .020
From 2740 feet to 2860 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 2706' ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 2737' to 2860' ☒ Pumped ☐ Poured
Type: 1/4 SRI
Bentonite Chips: ☒ Yes ☐ No 2706' to 2737' ☒ Pumped ☐ Poured
Type: 3/8 Hole Plug 2860' to 2940'

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Boart Longyear Drilling Services (CONTRACTOR)
Address P.O. Box 5279 (CONTRACTOR)
Elko, NV 89802
Nevada contractor's license number issued by the State Contractor's Board 0021976
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 1410
Signed
By driller performing actual drilling on site or contractor
Date 25-Sep-08

2008 OCT 10 AM 9

(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

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