STATE OF NEVADA

DIVISION OF WATER RESOURCES

# WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 115897
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. 67827

1. OWNER Barrick Cortez CHPZ-237
MAILING ADDRESS HC66 Box 1250
Crescent Valley, NV 89821

ADDRESS AT WELL LOCATION Barrick Cortez Hills
Crescent Valley, NV
Subdivision Name: County: Lander

2. LOCATION SW¼SW¼ Sec32T27N/ R48E
PERMIT/WAIVER NO. M/O- 1717 (Issued by Water Resources) Parcel. No.

Latitude
Longitude
UTM E 534462 ☒ NAD 27
N 4445659 ☐ 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 |
|---|---|---|---|---|
| Aluvium | | 0 | 250 | 250 |
| Silicified limestone | | 250 | 2050 | 1800 |
| Quartz monzonit | | 2050 | 2300 | 250 |
| Transducer @ 1480 | | | | |
| Grout | | 0 | 20 | 20 |
| 3/8 hole plug | | 20 | 700 | 680 |
| Grout | | 700 | 1443 | 743 |
| 3/8 hole plug | | 1443 | 1463 | 20 |
| 1/4 gravel | | 1463 | 1513 | 50 |
| 3/8 hole plug | | 1513 | 1625 | 112 |
| Grout | | 1625 | 2015 | 390 |
| 3/8 hole plug | | 2015 | 2035 | 20 |
| 1/4 gravel | | 2035 | 2300 | 265 |

Date started: November 1, 20 11
Date completed: November 13, 20 11

9. WELL CONSTRUCTION
Depth Drilled 2300 Feet Depth Cased 2260 Feet

HOLE DIAMETER (BIT SIZE)

| | From | To |
|---|---|---|
| 20 Inches | 0 Feet | 18 Feet |
| 6.75 Inches | 18 Feet | 2020 Feet |
| 6.50 Inches | 2020 Feet | 2300 Feet |

CASING SCHEDULE

| Size O.D. (Inches) | Weight/Ft. (Pounds) | Wall Thickness (Inches) | From (Feet) | To (Feet) |
|---|---|---|---|---|
| 16 | 42.05 | .250 | +2 | 18 |
| 2.375 | 5.022 | .218 | +2 | 2260 |

Perforations:
Type of perforation Slot Cut
Size of perforation .020
From 2060 feet to 2260 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☐ Neat Cement to ☐ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☒ ≥30% Bentonite Grout 0 to 20 ☐ Pumped ☒ Poured
Gravel Pack: ☒ Yes ☐ No 2035 to 2280 ☐ Pumped ☒ Poured
Type: 1/4 SRI 1463 to 1513
Bentonite Chips: ☒ Yes ☐ No See to Detail ☒ Pumped ☐ Poured
Type: 3/8 Chips

7. Water Level
Static water level: 1245 feet below land surface
Artesian Flow: N/A G.P.M. N/A P.S.I
Water Temperature: 60 °F
Quality: N/A

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

| G.P.M. | Draw Down (Feet Below Static) | Time (Hours) |
|---|---|---|
| .75 | N/A | 18 |
| 40. | 162477 °N | NAD27 |
| 116. | 595324° W | |

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 2745 California Ave (CONTRACTOR)
Salt Lake City, UT 84104
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 2308
Signed
By driller performing actual drilling on site or contractor
Date September 24, 2012

(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

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