STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 116963
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. 65818 ✓

1. OWNER Barrick Cortez Mine CHPZ-199
MAILING ADDRESS HC 66 Box 1250
Crescent Valley, NV 89821

ADDRESS AT WELL LOCATION Cortez Hills Minesite
South of Crescent Valley, NV
Subdivision Name: County: Lander

2. LOCATION SW¼SW¼ Sec31T27N/ R48E
PERMIT/WAIVER NO. M/O-1685
Issued by Water Resources Parcel. No.

Latitude
Longitude
UTM E 532961 ☒ NAD 27
N 4445565 ☐ 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
Alluvium	—	0	130	130
Conglomerate	540	130	620	490
Limestone	1470	620	3600	2980
Hole plug - pumped		3100	3600	500

Date started: July 16, 2011
Date completed: September 17, 2011

7. Water Level
Static water level: 1760 feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: 117 °F
Quality: Clear

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

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
N/A			
40.161691° N		NAD27 Dec/Deg	
116.612954° W			

9. WELL CONSTRUCTION
Depth Drilled 3600 Feet Depth Cased 3100 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
19 Inches	0 Feet	40 Feet
12.25 Inches	40 Feet	2695 Feet
6.50 Inches	2695 Feet	3600 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
14	54	.375	0	40
7.625	43	.375	0	2695
2.375	5	.276	+1.5	3100

Perforations:
Type of perforation Millslot
Size of perforation 0.02
From 2700 feet to 3100 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 2680 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 2680 to 3100 ☒ Pumped ☐ Poured
Type:
Bentonite Chips: ☒ Yes ☐ No 2670 to 2680 ☒ Pumped ☐ Poured
Type: 3/8" Hole plug

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~~ 1488
Signed
By driller performing actual drilling on site or contractor
Date October 18, 2011

2011 OCT 21 PM 1:25 STATE ENGINEER