STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 113537
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. 65798

1. OWNER Barrick Cortez Mine CHPZ-174
MAILING ADDRESS HC 66 Box 1250
Cresecent Valley, NV. 89821

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

2. LOCATION SE¼SE¼ Sec31T27N/ R48E
PERMIT/WAIVER NO. M/O-1682
Issued by Water Resources Parcel. No.

Latitude 40.160994 UTM E 534164 ☒ NAD 27
Longitude 116.598996 N 4445421 ☐ 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	10	10
Grey/some Black Limestone		10	720	710
White & Green Dike		720	750	30
Grey /black Limestone		750	1330	580
Black Dolomite		1330	1380	50
White Dike		1380	1390	10
Black Dolomite		1390	1410	20
Grey Limestone		1410	1520	110
Grey & White Limestone/Dike		1520	1530	10
Black & White Dolomite/Dike		1530	1540	10
Black Dolomite		1540	1560	20
Grey Limestone		1560	1600	40
Grey & Black Dolomite		1600	1730	130
White Quartzite		1730	2000	270
16" Casing Cemented		0	35	35
7 5/8" Casing Cemented		0	1570	1570
Transducer set at 1700'				

Date started: January 30, 20 11
Date completed: March 21, 20 11

9. WELL CONSTRUCTION

Depth Drilled 2000 Feet Depth Cased 2000 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
20.5 Inches	0 Feet	35 Feet
14.75 Inches	35 Feet	1570 Feet
6.5 Inches	1570 Feet	2000 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16	14.498	.375	0	35
7.625	6.123	.375	0	1570
2.375	.958	.218	+1.5	2000

Perforations:
Type of perforation Slotted
Size of perforation .020
From 1760 feet to 2000 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 21 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 1757 to 2000 ☒ Pumped ☐ Poured
Type: 1/4" SRI Also 1694 to 1704
Bentonite Chips: ☒ Yes ☐ No 1704 to 1757 ☒ Pumped ☐ Poured
Type: 3/8 Holeplug 21 to 1694

7. Water Level
Static water level: 837.4 feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: 58 °F
Quality: Clear

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
25		

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 (CONTRACTOR)
Address 2745 California Ave. (CONTRACTOR)
SLC., 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 2142
Signed
By driller performing actual drilling on site or contractor
Date March 29, 2011

STATE ENGINEER'S OFFICE
2011 APR -1 PM 12:15
RECEIVED