STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 116390
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. 65820

1. OWNER Barrick Cortez Mine CHPZ-230 (name:)
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 SW¼SE¼ Sec31T27N/ R48E
PERMIT/WAIVER NO. M/O -1712 (Issued by Water Resources) Parcel. No.

Latitude
Longitude
UTM E 553644E N 4445692 ☒ 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
Alluvium		0	250	250
Limestone		250	430	180
Fault @ 430				
Alluvium		430	1010	580
Limestone		1010	1400	390
Marble		1400	1980	580
Intrusive		1980	2020	40
Neat cement - pumped		0	50	50
3/8 Hole Plug		50	60	10
Bentonite Gravel		60	950	890
3/8 Hole Plug		950	990	40
1/4" Gravel		990	1000	10
3/8 Hole Plug		1000	1785	785
1/4 Gravel		1785	2020	235
Transducers @ 1540 & 1000'				

Date started: August 16, 20 11
Date completed: August 26, 20 11

9. WELL CONSTRUCTION
Depth Drilled 2020 Feet Depth Cased 2000 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
20.50 Inches	0 Feet	40 Feet
6.750 Inches	40 Feet	2020 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16	42.05	.250	+2	40
2.375	.758	sch80	+1	2000

Perforations:
Type of perforation Slot
Size of perforation .20
From 1800 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 50 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 1785 to 2020 ☐ Pumped ☒ Poured
Type: 1/4 washed
Bentonite Chips: ☒ Yes ☐ No see to details ☒ Pumped ☐ Poured
Type: 3/8 Hole plug

7. Water Level
Static water level: 785' feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: Cool °F
Quality: Clean

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
4.5		18
40. 161768 °N		NAD27
116. 370083 °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 (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 2047
Signed
By driller performing actual drilling on site or contractor
Date August 31, 2011

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