STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 116750
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 Name: CHPZ-229
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 NW¼SE¼ Sec31T27N/ R48E
PERMIT/WAIVER NO. M/O - 1712
Issued by Water Resources Parcel. No.

Latitude
Longitude
UTM E 533661E N 4445757 ☒ 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
Tan & gray limestone		0	1400	1400
Prospector fault/limestone		1400	1460	60
Gray limestone		1460	1680	220
Tan limestone		1680	1810	130
White limestone		1810	2020	210
Hole plug		869	901	32
1/4 gravel		901	919	18
Hole plug		919	942	23
Cement grout		942	1182	240
Hole plug		1182	1205	23
1/4 gravel		1205	1218	13
Hole plug		1218	1450	232
1/4 gravel		1450	1460	10
Hole plug		1460	1667	207
Cement grout		1667	1702	35
Hole plug		1702	1745	43
1/4 gravel		1745	1870	125
Hole plug		1870	2020	150
Transducers @ 1455, 1215, 915				

Date started: August 27, 20 11
Date completed: September 7, 20 11

7. Water Level
Static water level: 771 feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: °F
Quality: N/A

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
7.1	N/A	32

40.163393°N NAD27
116.604724°W

9. WELL CONSTRUCTION
Depth Drilled 2020 Feet Depth Cased 1855 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
20.50 Inches	0 Feet	80 Feet
6.75 Inches	80 Feet	1500 Feet
6.50 Inches	1500 Feet	2020 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16"	42.05	.250	+2	80
2.375	.958	.218	+1	1855

Perforations:
Type of perforation Slotted
Size of perforation .020
From 1755 feet to 1855 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 0 to 869 ☒ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No see to detail ☒ Pumped ☐ Poured
Type: 1/4 washed
Bentonite Chips: ☒ Yes ☐ No see to detail ☒ 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 (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 2047
Signed
By driller performing actual drilling on site or contractor
Date 9-13-2011

2011 SEP 16 AM 11:23 STATE ENGINEER'S OFFICE

(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

Forms Provided by Forms-On-A-Disk · (214) 340-9429 · FormsOnADisk.com