STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 115189
Permit No. 77179
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. 67834

1. OWNER Barrick Cortez Mine DW-18
MAILING ADDRESS HC 66, Box 1250
Crescent Valley, NV 89821

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

2. LOCATION SW¼SE¼ Sec31T27N/ R48E
PERMIT/WAIVER NO. Well spacing 1189 / SEE PERMIT 77179
Issued by Water Resources Parcel. No.

Latitude
Longitude

UTM E 533883 ☒ NAD 27
N 4445435 ☐ 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 Flooded Rev

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Alluvium		0	10	10
Grey rock		10	510	500
Tan clays w/rock		510	540	30
Grey/reddish rock		540	580	40
Black rock		580	1560	980
Black rock w/clays		1560	1570	10
Black rock		1570	1820	250
Grey/reddish rock		1820	1850	30
Black rock		1850	1980	130

RECEIVED
2012 APR 18 AM 11:20
STATE ENGINEERS OFFICE

Date started: February 15, 20 12
Date completed: April 7, 20 12

9. WELL CONSTRUCTION
Depth Drilled 1980 Feet Depth Cased 1960 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
31 Inches	0 Feet	115 Feet
24 Inches	115 Feet	1980 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
26	102.62	.375	0	115
14	54.57	.375	+2	1960
2.375	5.02	sch 80	+2	1940

Perforations:
Type of perforation Louvered
Size of perforation .125
From 1160 feet to 1960 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 770 ☐ Pumped ☒ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 790 to 1980 ☐ Pumped ☒ Poured
Type: 3/4" SRI
Bentonite Chips: ☒ Yes ☐ No 770 to 790 ☐ Pumped ☒ Poured
Type: 3/8" course hole plug

7. Water Level
Static water level: 800 feet below land surface
Artesian Flow: N/A G.P.M. N/a P.S.I
Water Temperature: 64.5 °F
Quality: Good

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
300	N/A	30

40. 160483 °N NAD27
116. 602134 °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 Avenue (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 2350
Signed
By driller performing actual drilling on site or contractor
Date April 13, 2012

(Rev 05-06) USE ADDITIONAL SHEETS IF NECESSARY

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