STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 116978
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. 67588

1. OWNER Barrick Cortez Mine CHPZ-238
MAILING ADDRESS HC 66 Box 1250
Crescent Valley, NV 89821

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

2. LOCATION NW¼SW¼ Sec32T27N/ R48E
PERMIT/WAIVER NO. M/O-1717
Issued by Water Resources Parcel. No.

Latitude
Longitude
UTM E 534401 ☒ NAD 27
N 4445756 ☐ 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	600	600
Limestone		600	1230	630
Dolostone		1230	1440	210
Quartz manzanite		1440	2200	760
3/8 Hole plug - poured		50	183	133
Grout 30% - pumped		183	1446	1263
3/8 hole plug - pumped		1446	1490	44
1/4 gravel - poured		1490	1500	10
3/8 hole plug - pumped		1500	1559	59
grout 30% - pumped		1559	1863	304
3/8 Hole plug - pumped		1863	1995	132
1/4 Gravel - pumped		1995	2200	205
Transducer @ 1495 & 1880				

Date started: September 9, 20 11
Date completed: September 27, 20 11

9. WELL CONSTRUCTION
Depth Drilled 2200 Feet Depth Cased 2180 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
20.500 Inches	0 Feet	20 Feet
6.750 Inches	20 Feet	1880 Feet
6.50 Inches	1880 Feet	2200 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
16	42.05	.250	+2	20
2.375	5.02	.218	+1	2180

Perforations:
Type of perforation Slot
Size of perforation .20
From 2000 feet to 2180 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 See to Detail ☐ Pumped ☒ Poured
Type: 1/4" SRI
Bentonite Chips: ☒ Yes ☐ No See to Detail ☒ Pumped ☐ Poured
Type: 3/8 Hole Plug

7. Water Level
Static water level: 1058 feet below land surface
Artesian Flow: G.P.M. P.S.I
Water Temperature: 58.9 °F
Quality: Clear

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
8.3		16

40.163228°N NAD27
116.596071°W D.D.

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 2350
Signed By driller performing actual drilling on site or contractor
Date September 27,2011

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