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STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 116979
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. 67580

1. OWNER Barrick Cortez Mine AW-16
MAILING ADDRESS HC 66, Box 1250
NW Crescent Valley, NV 89821

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

2. LOCATION NW¼SE¼ Sec 05 T27N/ R47E
PERMIT/WAIVER NO. W/S-1082A
Issued by Water Resources Parcel. No.

Latitude
Longitude
UTM E 526092 ☒ NAD 27
N 4453344 ☐ 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	100	100
White Clay		100	115	15
Alluvium		115	205	90
Clay w/gravel		205	300	95
Alluvium		300	510	210
Clay w/gravel		510	540	30
Clay		540	560	20
Clay w/gravel		560	625	65
Clay		625	640	15
Alluvium w/clay		640	900	260
Clay w/gravel		900	1015	115
Alluvium w/clay		1015	1030	15
Clay w/gravel		1030	1120	90

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Date started: September 29, 20 11
Date completed: October 28, 20 11

9. WELL CONSTRUCTION
Depth Drilled 1120 Feet Depth Cased 1120 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
26 Inches	0 Feet	100 Feet
19 Inches	100 Feet	1120 Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
22	21.76	.375	0	100
12.75	12.5	.375	+2	1120

Perforations:
Type of perforation Full flow Louvered
Size of perforation .080
From 100 feet to 120 feet
From 140 feet to 160 feet
From 180 feet to 200 feet
From 220 feet to 240 feet
From 260 feet to 280 feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0 to 83 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 83 to 1120 ☐ Pumped ☒ Poured
Type: 1/4" SRI Supreme
Bentonite Chips: ☐ Yes ☒ No to ☐ Pumped ☐ Poured
Type:

7. Water Level
Static water level: 199.5 feet below land surface
Artesian Flow: N/A G.P.M. N/A P.S.I
Water Temperature: 64 °F
Quality: Fair

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
44	200'	48

40.232017° N NAD27
116.693297° W Dec / Deg

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 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 2142
Signed
By driller performing actual drilling on site or contractor
Date November 7, 2011

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Depth Drilled Feet Depth Cased Feet

HOLE DIAMETER (BIT SIZE)

	From	To
Inches	Feet	Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)

Perforations:
Type of perforation
Size of perforation
From 320 feet to 1040 feet
From 1080 feet to 1120 feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☐ Yes ☐ No
☐ Neat Cement to ☐ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☐ Yes ☐ No to ☐ Pumped ☐ Poured
Type:
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Type:

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Name (CONTRACTOR)
Address (CONTRACTOR)
Nevada contractor's license number issued by the State Contractor's Board
Nevada driller's license number issued by the Division of Water Resources, the on-site driller
Signed By driller performing actual drilling on site or contractor
Date