STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 116298
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. **69228**

well name: **DW-17**

1. OWNER **Barrick Cortez Mines**
MAILING ADDRESS **HC66, Box 1250**
SW NW **Crescent Valley, NV. 89821**

ADDRESS AT WELL LOCATION **Barrick Cortez Mine South of Crescent Valley, NV.**
Subdivision Name: *County:* **Lander**

2. LOCATION ~~NW¼SE¼~~ Sec 6 T ~~27N~~ R ~~52E~~ 26N 48E
PERMIT/WAIVER NO. ~~W/S-77179~~ ORDER 1189
Issued by Water Resources Parcel. No.

Latitude
Longitude
UTM E **532938** ☒ NAD 27
N **4444723** ☐ NAD 83/WGS 84

3. WORK PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Other

4. PROPOSED USE
☐ Domestic (DEW) ☐ 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
Tan Clay W/Gravel		100	150	50
Brown Clay W/Gravel		150	300	150
Brown Clay		300	400	100
Conglomerate		400	780	380
Conglomerate W/Tuff		780	1040	260
Tan Tuff		1040	1400	360
Light Grey Tuff		1400	1520	120
2.375 Sounder Tied Into Well Casing		+1	1480	1481
3/8 Hole Plug		75	250	175
Neat Cement		250	1065	815

40.154106 °N NAD27
116.613267 °W Dec/Deg

Date started: **September 23**, 20 **12**
Date completed: **November 17**, 20 **12**

9. ***WELL CONSTRUCTION***

Depth Drilled **1520** Feet Depth Cased **1500** Feet

HOLE DIAMETER (BIT SIZE)

	From	To
31 Inches	**0** Feet	**120** Feet
24 Inches	**120** Feet	**1520** Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
26	102.63	.375	0	120
14	54.56	.375	+2	1500

Perforations:
Type of perforation **Louvered**
Size of perforation **.125**
From **1080** feet to **1500** 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 75 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured
Gravel Pack: ☒ Yes ☐ No 1070 to 1520 ☐ Pumped ☒ Poured
Type: **3/4" SRI Supreme**
Bentonite Chips: ☒ Yes ☐ No 1065 to 1070 ☒ Pumped ☐ Poured
Type: **3/8" Hole Plug**

7. *Water Level*
Static water level: **302** feet below land surface
Artesian Flow: **N/A** G.P.M. **N/A** P.S.I
Water Temperature: **64** °F
Quality: **Good**

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

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
178	333	84

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)
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* **2486**
Signed
By driller performing actual drilling on site or contractor
Date **November 21, 2012**