

STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

OFFICE USE ONLY
 Log No. 116073
 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. **69213**

1. OWNER **Barrick Cortez Mine**
 MAILING ADDRESS **HC66 Box 1250, Crescent Valley, NV. 89821**
 2. LOCATION **NW¼SE¼ Sec 05T27N/ R47E**
 PERMIT/WAIVER NO. **W/S 77179** **order-1189**
Issued by Water Resources *Parcel No.*

ADDRESS AT WELL LOCATION **Cortez Hills Mine, South of Crescent Valley, NV.**
 Subdivision Name: _____ County: **Lander**
 Latitude **534220** UTM E **587373** NAD 27
 Longitude **4445541** N **4376240** 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
Grey/Black Rock		0	60	60
Grey Rock W/Clays		60	70	10
Grey/Black Rock		70	100	30
Grey/Black/Tan Fractured Rock		100	150	50
Grey/Black Rock W/Clays		150	170	20
Red/Grey Rock		170	210	40
Fine Grey/Tan Rock		210	220	10
Grey/Tan Rock		220	250	30
Reddish Clays W/ Grey Rock		250	320	70
Grey/Tan Rock		320	340	20
Reddish Clays W/Grey Rock		340	350	10
Grey/Black Rock W/Clays		350	440	90
Tan Rock		440	450	10
Grey/Black Rock		450	500	50
Clays W/Grey Rock		500	600	100
Fine Black/Tan Rock W/Clays		600	810	210
Clays W/Grey Rock		810	890	80
Black/Grey/Red Rock		890	960	70
Clays W/Tan/Grey Rock		960	990	30
Black/Grey/Red Rock		990	1310	320
Fine Black/Grey Rock W/Clays		1310	1380	70
Fine Black/Grey Rock		1380	1450	70
Fine Black/Grey/White Rock		1450	1660	210
White/Grey/Tan Rock		1660	1760	100
Fine Black/Grey/White Rock		1760	1790	30
White/Grey Rock		1790	1860	70
Black/Grey/Tan Rock		1860	2050	190
Grey/White Rock		2050	2120	70

9. WELL CONSTRUCTION
 Depth Drilled **2120** Feet Depth Cased **2098** Feet

HOLE DIAMETER (BIT SIZE)

From	To
31 Inches	0 Feet 100 Feet
22 Inches	100 Feet 2120 Feet
_____ Inches	_____ Feet _____ Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet) +1	To (Feet)
2.375	2.067	.154	0	2077
26	102.63	.375	0	100
14	54.57	.375	+2	2098

Perforations:
 Type of perforation **Louver**
 Size of perforation **.125**
 From **1195** feet to **2098** feet
 From _____ feet to _____ feet

Annular Seal: Yes No
 Neat Cement 0 to 855 Pumped Poured
 Cement Grout _____ to _____ Pumped Poured
 Concrete Grout _____ to _____ Pumped Poured
 ≥30% Bentonite Grout _____ to _____ Pumped Poured
 Gravel Pack: Yes No 860 to 2120 Pumped Poured
 Type: **3/4" SRI Supreme**
 Bentonite Chips: Yes No 855 to 960 Pumped Poured
 Type: **3/8 Hole Plug**

Date started: **July 19, 2012**
 Date completed: **September 20, 2012**

7. Water Level
 Static water level: **1060** feet below land surface
 Artesian Flow: **N/A** G.P.M. **N/A** P.S.I.
 Water Temperature: **54** °F
 Quality: **Good**

8. WELL TEST DATA

TEST METHOD:	Bailer <input type="checkbox"/> Pump <input type="checkbox"/> Air Lift <input checked="" type="checkbox"/>		
	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
	200	N/A	96
	40, 161424°N	NAD27	
	116, 598 172°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** (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 **2452**
 Signed **Alm Beaubien**
 By driller performing actual drilling on site or contractor
 Date **September 27, 2012**