

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

OFFICE USE ONLY
 Log No. 112089
 Permit No. _____
 Basin φ54

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. 65755

1. OWNER **Barrick Cortez Mines** DB-33 ADDRESS AT WELL LOCATION **Cortez Pipeline**
 MAILING ADDRESS **HC 66 Box 1250** west of Crescent Valley
Crescent Valley, NV. 89821 Subdivision Name: _____ County: **Lander**

2. LOCATION **SE 1/4 NW 1/4 Sec 8 T27N R47E** Latitude 40.228139° N UTM E **525036E** NAD 27
 PERMIT/WAIVER NO. **w/s 1082-A** Longitude 116.705726° W **4452910** NAD 83/WGS 84
 Issued by Water Resources Parcel No. NAD 27 (13)

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	885	885
Brown Rock		885	920	35
Lt Grey Rock		920	955	35
Brown Rock		955	970	15
Lt Grey Rock		970	975	5
No Circulation		975	1300	325
Lt Grey Rock		1300	1425	125
Black Rock		1425	1450	25
Brown Rock		1450	1455	5
Drk Grey w/White Rock		1455	1480	25
Lt Grey Rock		1480	1530	50
Black Rock		1530	1595	65
Ly Grey w/Lt Brown Rock		1595	1620	25
Drk Grey Rock		1620	1645	25
Brown Rock		1645	1665	20
Lt Grey Rock		1665	1680	15
Brown Rock w/White Clay		1680	1700	20
Lt Grey Rock		1700	1715	15
Brown Rock w/Clay		1715	1730	15
Lt Grey Rock		1730	1760	30
Drk Grey w/Brown Rock		1760	1800	40
Grey Rock		1800	1850	50
Brown Rock		1850	1900	50
Lt Grey Rock		1900	1925	25

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9. WELL CONSTRUCTION

Depth Drilled **2280** Feet Depth Cased **2230** Feet

HOLE DIAMETER (BIT SIZE)

From	To
46 Inches	0 Feet
38 Inches	120 Feet
31 Inches	815 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 _____ feet to _____ 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: _____

Bentonite Chips: Yes No _____ to _____ Pumped Poured
 Type: _____

Date started: **July 24**, 20 **10**
 Date completed: **September 22**, 20 **10**

7. Water Level

Static water level: _____ feet below land surface
 Artesian Flow: _____ G.P.M. _____ P.S.I.
 Water Temperature: _____ °F
 Quality: _____

8. WELL TEST DATA

TEST METHOD:	<input type="checkbox"/> Bailer	<input type="checkbox"/> Pump	<input type="checkbox"/> Air Lift
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)	

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)
S.L.C., UT. 84114
 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 29**, 20**10**

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PERMIT/WAIVER NO. **w/s 1082-A** Longitude _____ N **4452910** NAD 83/WGS 84
Issued by Water Resources Parcel No. _____

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	Thick-ness
Page 2 of 2				
Lt Grey w/Brown Rock		1925	1980	55
Drk Grey Rock		1980	2060	80
Drk Grey w/White Rock		2060	2105	45
Black Rock w/Brown Rock		2105	2120	15
Drk Grey w/White Rock		2120	2140	20
Black Rock		2140	2205	65
Lt Grey w/Tan Rock		2205	2240	35
Drk Grey Rock		2240	2260	20
Lt Grey w/Tan Rock		2260	2280	20
Neat Cement		0	200	200
3/4" Gravel		200	900	700
1/4 x3/8 Gravel		900	2280	1380

9. WELL CONSTRUCTION
Depth Drilled **2280** Feet Depth Cased **2230** Feet
HOLE DIAMETER (BIT SIZE)
From _____ To _____
24 Inches **882** Feet **1715** Feet
22 Inches **1715** Feet **2280** Feet
Inches Feet Feet Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
40	210.93	.500	0	120
33	173.55	.500	120	815
18	70.59	.375	+2	2230

Perforations:
Type of perforation **Louvered**
Size of perforation **.125**
From **409** feet to **449** feet
From **789** feet to **829** feet
From **1188** feet to **2330** feet
From _____ feet to _____ feet
From _____ feet to _____ feet

Annular Seal: Yes No
 Neat Cement 0 to 200 Pumped Poured
 Cement Grout _____ to _____ Pumped Poured
 Concrete Grout _____ to _____ Pumped Poured
 ≥30% Bentonite Grout _____ to _____ Pumped Poured
Gravel Pack: Yes No 200 to 2280 Pumped Poured
Type: **See Detail**
Bentonite Chips: Yes No _____ to _____ Pumped Poured
Type: _____

Date started: **July 24**, 20 **10**
Date completed: **September 22**, 20 **10**

7. Water Level
Static water level: **1127.8** feet below land surface
Artesian Flow: _____ G.P.M. _____ P.S.I.
Water Temperature: **warm** °F
Quality: **fair**

8. WELL TEST DATA

TEST METHOD:	<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift	
G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
438	N/A	2

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
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Address **2745 California Ave.** (CONTRACTOR)
S.L.C., UT. 84114
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 29, 2010**