

Well Plugged under NOI # 64095

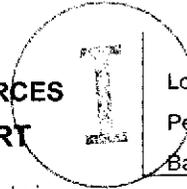
FINALIZED

N 40.16778  
W 116.60722 NAD83

STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT



OFFICE USE ONLY

Log No. 103646

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. 58864

1. OWNER **Barrick Cortez Mine** **PPW-06W** ADDRESS AT WELL LOCATION **Cortez minesite**  
MAILING ADDRESS **HC66, Box 1250 Crescent Valley, NV. 89821** **7 miles west of Crescent Valley, NV.**  
Subdivision Name: **N/A** County: **Lander**

2. LOCATION **SE 1/4 NW 1/4 Sec 31 T27N R48E** Latitude **40° 10' 4" N** UTM E  **NAD 27**  
PERMIT/WAIVER NO. **W-599** Longitude **W 116° 36' 26"** N  **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 Reverse**

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
Light gray and tan rock		0'	70'	70'
Dark gray, tan and black rock		70'	180'	110'
Light gray and tan rock		180'	220'	40'
Dark gray, tan and black clay		220'	590'	370'
Dark gray, tan, and black rock		590'	600'	10'
Gray rock		600'	640'	40'
Tan and gray rock		640'	650'	10'
Gray and tan rock		650'	730'	80'
Tan clay		730'	740'	10'
Gray rock		740'	770'	30'
White rock		770'	780'	10'
Gray clay		780'	790'	10'
Gray rock		790'	800'	10'
Tan clay		800'	840'	40'
Tan and gray clay		840'	900'	60'
Gray clay		900'	910'	10'
Dark clay		910'	930'	20'
Tan and white clay		930'	980'	50'
Gray clay		980'	1050'	70'
Tan and gray clay		1050'	1300'	250'
Dark gray rock		1300'	1310'	10'
Gray and tan clay		1310'	1460'	150'
Red and tan clay		1460'	1470'	10'
Gray, red and tan clay		1470'	1510'	40'
Red rock		1510'	1530'	20'

Date started: 03/10, 20 07  
Date completed: 04/25, 20 07

9. WELL CONSTRUCTION  
Depth Drilled **1965** Feet Depth Cased **1945** Feet  
HOLE DIAMETER (BIT SIZE)  
From To  
**31** Inches **0** Feet **55** Feet  
**22** Inches **55** Feet **1965** Feet  
Inches Feet Feet  
CASING SCHEDULE  
Size O.D. (Inches) Weight/Ft. (Pounds) Wall Thickness (Inches) From (Feet) To (Feet)  
**26** **136** **0.5000** **0** **55**  
**14** **54.57** **0.3750** **+2** **1084**  
**14** **47.36** **0.3125** **1084** **1165**  
Perforations:  
Type of perforation **Full Flo Louvered**  
Size of perforation **0.125"**  
From **1084** feet to **1164** feet  
From **1404** feet to **1564** feet  
From **1844** feet to **1945** feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
From \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Annular Seal:  Yes  No  
 Neat Cement 0' to 997'  Pumped  Poured  
 Cement Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 Concrete Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
 ≥30% Bentonite Grout \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
Gravel Pack:  Yes  No 997' to 1965'  Pumped  Poured  
Type: **5/8" SRI**  
Bentonite Chips:  Yes  No \_\_\_\_\_ to \_\_\_\_\_  Pumped  Poured  
Type: \_\_\_\_\_

7. Water Level  
Static water level: **761** feet below land surface  
Artesian Flow: \_\_\_\_\_ G.P.M. \_\_\_\_\_ P.S.I.  
Water Temperature: **Cool** °F  
Quality: **Fair**

10. DRILLER'S CERTIFICATION  
This well was drilled under my supervision and the report is true to the best of my knowledge.  
Name **Lang Exploratory Drilling** (CONTRACTOR)  
Address **P.O. Box 5279** (CONTRACTOR)  
**Elko, NV 89802-5279**  
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 **2039**  
Signed \_\_\_\_\_  
By driller performing actual drilling on site or contractor  
Date **05/11/07**

8. WELL TEST DATA

TEST METHOD:  Bailer  Pump  Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<b>12</b>	<b>1100'</b>	<b>1</b>

Pg 1/3

Handwritten initials

STATE OF NEVADA

DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY  
Lbg No. 103046  
Permit No.  
Basin 054

FINALIZED MK

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 Domestic  Irrigation  Test  
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5. WELL TYPE  
 Cable  Rotary  RVC  
 Air  Other **Flooded Reverse**

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
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Dark gray clay		1550'	1560'	10'
Dark gray rock		1560'	1610'	50'
Gray, white and tan rock		1610'	1650'	40'
Gray, red and tan rock		1650'	1660'	10'
Gray rock		1660'	1670'	10'
Red and gray rock		1670'	1700'	30'
Gray clay		1700'	1710'	10'
Red and gray rock and clay		1710'	1760'	50'
Dark gray rock		1760'	1800'	40'
Light gray rock and clay		1800'	1900'	100'
Dark gray and black rock		1900'	1950'	50'
Gray rock and clay		1950'	1965'	15'

Date started: 03/10, 20 07  
Date completed: 04/25, 20 07

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Depth Drilled **1965** Feet Depth Cased **1945** Feet

HOLE DIAMETER (BIT SIZE)  
From To  
**31** Inches **0** Feet **55** Feet  
**22** Inches **55** Feet **1965** Feet  
Inches Feet Feet

CASING SCHEDULE

Size O.D. (inches)	Weight/Ft. (Pounds)	Wall Thickness (inches)	From (Feet)	To (Feet)
14	38	0.4375	1164	1404
14	47.36	0.3125	1404	1565
14	38	0.4375	1565	1845

Perforations:  
Type of perforation **Wire Wrap Screen**  
Size of perforation **0.125"**  
From **1164** feet to **1404** feet  
From **1564** feet to **1844** feet  
From feet to feet  
From feet to feet  
From feet to feet

Annular Seal:  Yes  No  
 Neat Cement 0' to 997'  Pumped  Poured  
 Cement Grout to  Pumped  Poured  
 Concrete Grout to  Pumped  Poured  
 ≥30% Bentonite Grout to  Pumped  Poured  
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By driller performing actual drilling on site or contractor  
Date **05/11/07**

