

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



OFFICE USE ONLY

Lpg No. 102512
Permit No. _____
Basin 854

FINALIZED MH

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Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 58602

1. OWNER Cortez Gold Mines ADDRESS AT WELL LOCATION Cortez Hills
MAILING ADDRESS 14246 Box 1250
Crescent Valley, NV 89821 Subdivision Name: _____ County: Lander

2. LOCATION 36 1/4 NW 1/4 Sec 31 T27 N3R 4B E Latitude UTM E53461.44 NAD 27
PERMIT/WAIVER No. M/O 1423 Longitude N 4446258.28 NAD 83/WGS 84

Issued by Water Resources Parcel No. _____

3. WORKED 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

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thick-ness
<u>GRAVEL</u>		<u>0</u>	<u>580</u>	<u>580</u>
<u>Black Limestone</u>		<u>580</u>	<u>590</u>	<u>10</u>
<u>grey limestone</u>		<u>590</u>	<u>1140</u>	<u>550</u>
<u>Clay</u>		<u>1140</u>	<u>1150</u>	<u>10</u>
<u>Limestone</u>		<u>1150</u>	<u>1440</u>	<u>290</u>
<u>DIKE</u>		<u>1440</u>	<u>1470</u>	<u>30</u>
<u>Limestone</u>		<u>1470</u>	<u>1680</u>	<u>210</u>
<u>DIKE</u>		<u>1680</u>	<u>1690</u>	<u>10</u>
<u>Limestone</u>		<u>1690</u>	<u>1860</u>	<u>170</u>
<u>DIKE</u>		<u>1860</u>	<u>1930</u>	<u>70</u>
<u>Limestone</u>		<u>1930</u>	<u>1950</u>	<u>20</u>

40.167837 N
116.607959 W NAD83

PLUGGED BY
NOT # 62703 (10)
See plugging log # 110607

9. WELL CONSTRUCTION

Depth Drilled 1950 Feet Depth Cased 1950 Feet

HOLE DIAMETER (BIT SIZE)

	From	To		
<u>13 1/4</u>	Inches <u>0</u>	Feet <u>40</u>	Feet	
<u>6 3/4</u>	Inches <u>40</u>	Feet <u>1950</u>	Feet	
	Inches	Feet	Feet	

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>8"</u>	<u>33</u>	<u>0.375</u>	<u>0</u>	<u>40</u>
<u>2"</u>	<u>PVC</u>	<u>Sch. 80</u>	<u>0</u>	<u>1950</u>

Perforations:
Type of perforation Slotted
Size of perforation 0.020

From 1.936 feet to 1950 feet
From _____ feet to _____ feet

Annular Seal: Yes No

Neat Cement 0 to 64 Pumped Poured
 Cement Grout _____ to _____ Pumped Poured
 Concrete Grout _____ to _____ Pumped Poured
 ≥30% Bentonite Grout _____ to _____ Pumped Poured

Gravel Pack: Yes No 1929 to 1950 Pumped Poured
Type: 1/4" Gravel

Bentonite Chips: Yes No 64 to 1609 Pumped Poured
Type: E2 Seal #8 3/8 hole plug

7. Water Level
Static water level: 681 feet below land surface
Artesian Flow: _____ G.P.M. _____ P.S.I.
Water Temperature: 60.0 °F
Quality: Good

8. WELL TEST DATA

TEST METHOD: Bailer Pump Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<u>Drillpipe</u>	<u>115</u>		

10. DRILLER'S CERTIFICATION

This well was drilled under my supervision and the report is true to the best of my knowledge.

Name Eklund Drilling Company Contractor
Address Po Box 2748 Contractor
Elko, NV 89803

Nevada contractor's license number issued by the State Contractor's Board 0030823
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2318

Signed John M. O'Brien
By driller performing actual drilling on site or contractor

Date _____