

DIVISION OF WATER RESOURCES

OFFICE USE ONLY
Log No. 90716
Permit No. 054
Basin 054

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

PLUGGED BY
Nos # 63853

WELL DRILLER'S REPORT

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

NOTICE OF INTENT NO. 48731

1. OWNER Cortez Gold Mines ADDRESS AT WELL LOCATION Cortez Gold Mines
MAILING ADDRESS HC 66 Box 1250 Crescent Valley NV 89821 Crescent Valley NV
2. LOCATION NE 1/4 NW 1/4 Sec. 31 T. 27 N/S R. 48 E. Eureka County
PERMIT NO. Issued by Water Resources Parcel No. Subdivision Name

3. WORK PERFORMED
 New Well Replace Recondition
 Deepen Abandon 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	Thickness
CH03-36				
Alluvium		0	50	50
Limestone		50	580	530
Intrusive		580	600	20
Limestone & marble	yes	600	1500	900
H ₂ O @		1120	1220	100

Set 4.5" steel casing to 500', gravel pack with pea gravel measure with tremmie pipe to 1180' Back fill to surface with Bentonite chips and Bentonite slurry (Abandonite) pump in sanitary seal. weld out 10" locking well cap.

8. WELL CONSTRUCTION
Depth Drilled 1500 Feet Depth Cased 1500 Feet

HOLE DIAMETER (BIT SIZE)
From 14 Inches 0 Feet 40 Feet
To 8 3/4 Inches 40 Feet 1500 Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
<u>10</u>		<u>.188</u>	<u>0</u>	<u>40</u>
<u>4.5</u>		<u>.250</u>	<u>+1</u>	<u>1500</u>

Perforations:
Type perforation slotted
Size perforation .1080

From 1280 feet to 1480 feet
From 1280 feet to 1480 feet
From 1280 feet to 1480 feet
From 1280 feet to 1480 feet

Surface Seal: Yes No Seal Type: Neat Cement
Depth of Seal 60' Cement Grout
Placement Method: Pumped Concrete Grout
 Poured

Gravel Packed: Yes No
From 1180 feet to 1500 feet

9. WATER LEVEL
Static water level 1098 feet below land surface
Artesian flow No G.P.M. P.S.I.
Water temperature clear °F Quality clear

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 Co., Inc.
Address P. O. Box 2748
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 1861

Signed Paul Michelson
By driller performing actual drilling on site or contractor
Date 9-3-03

Date started 8-9-2003, 19...
Date completed 8-9-2003, 19...

7. WELL TEST DATA

TEST METHOD:	G.P.M.	Draw Down (Feet Below Static)	Time (Hours)
<input type="checkbox"/> Bailer <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Air Lift	<u>20</u>		<u>6</u>
	<u>40.1736106</u> °N		
	<u>116.6094436</u> °W		
	<u>1190 27</u>		

*See plugging log 109609