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

OFFICE USE ONLY
Log No. 125562
Permit No.
Basin No. 053

PRINT OR TYPE IN BLACK INK ONLY
DO NOT WRITE ON BACK

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

NOTICE OF INTENT NO. 74313
WELL NAME *(If applicable)*: GRMW-09

1. OWNER/CLIENT NAME Cortez Gold Mine
MAILING ADDRESS HC 66 Box 1250
Cresent Valley, NV 89821-1250

DETAILED ADDRESS AT WELL LOCATION
Pine Valley Hydrographic Area
Subdivision Name: *County:* Eureka

2. PLS LOCATION NW ¼ SW ¼ 19 Sec N/S 49 E
PERMIT/WAIVER NO. M/O 2068 *Issued by Water Resources* 216 *Current Parcel No.*

Latitude UTM E 542452.8 ■ NAD 27
Longitude UTM N 4441122.9 ☐ NAD 83/WGS 84

3. WORKED PERFORMED
■ New Well ☐ Deepen: Orig WL#
☐ Replacement: Original well log #
☐ Recondition: Original well log #

4. PROPOSED USE
☐ Domestic ☐ Irrigation ■ Monitor
☐ Mining / Dewater ☐ Com / Ind ☐ Stock
☐ Test / Other ☐ Mun / QM ☐ Rec

5. WELL TYPE
☐ Auger ☐ Rotary ■ RVC
☐ Air ☐ Mud ☐ Sonic
☐ Other

6. LITHOLOGIC LOG

Material Encountered	Lost Circ.	Water Strata	From	To
alluvium			0	10
basalt			10	350
clay rich gravel			350	540
mudstone & chert dominant gravel			540	770
Ovi fm.			770	1000
Blue Hill fm.			1000	1060
Horse Canyon fm.			1060	1110
Dw8 fm.			1110	1430
Dw5 fm.			1430	2000

Date started: 4-Jul , 20 16
Date completed: 7/24/2016 , 20 16

7. *WATER QUALITIES*
Static water level: 224 Feet below land surface
Artesian Flow: no G.P.M. n/a P.S.I.
Water Temperature: 100 ° Fahrenheit
Water Quality: non-potable

8. WELL TEST DATA
Test Method: ☐ Bailer ☐ Pump ■ Air Lift

	G.P.M.	Draw Down (Feet Below Static)	Recorded Time (Hours)
1400'	100	70	11
		NAD 27	
		40.121244	
		116.501792	

9. *WELL CONSTRUCTION*
Depth Drilled: 2000 Feet Depth Cased: 2000 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
17.5	Inches	0	Feet	20	Feet
9.875	Inches	20	Feet	2000	Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
12.5	32.71	.250	+2	20
4.5	11.35	.250	+1.5	2000

ANNULAR MATERIALS
Sanitary Seal ■ Yes ☐ No

■ Neat Cement	0	to	20	■ Pumped	☐ Poured
■ Cement Grout	0	to	1805	■ Pumped	☐ Poured
☐ Concrete Grout		to		☐ Pumped	☐ Poured
■ Bentonite Chips	1805	to	1898	■ Pumped	☐ Poured
■ Gravel Pack [> 0.2 in.]	1898	to	2000	☐ Pumped	■ Poured
☐ Sand Pack [< 0.2 in.]		to		☐ Pumped	☐ Poured
☐ Other, explain:		to		☐ Pumped	☐ Poured

PERFORATIONS:
Type of perforation: mill slot
Size of perforation: 0.05

From	Feet	To	Feet
1900	Feet	2000	Feet
	Feet		Feet
	Feet		Feet
	Feet		Feet
	Feet		Feet

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.

Name National EWP (Contractor)
Address 580 West Silver Street Elko, NV 89801 (Contractor)
Phone 775-753-7355
Nevada contractor's license number as issued by the *State Contractor's Board:* 0075355
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2453
Signed: *By driller performing actual drilling on site or contractor*
Date: 8/1/2016

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