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

OFFICE USE ONLY
Log No. 12264
Permit No.
Basin No. 054

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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. 71745
WELL NAME *(If applicable)*: IM-72

1. OWNER/CLIENT NAME Barrick Cortez
MAILING ADDRESS HC-66 P.O. Box 1250
Crescent Valley, NV 89821

DETAILED ADDRESS AT WELL LOCATION Cottonwood Filtration Project
Crescent Valley, NV
Subdivision Name: None *County:* Eureka

2. PLS LOCATION SW ¼ SE ¼ 25 Sec 29N N/S 49 E
PERMIT/WAIVER NO. M/O - 1975 *Issued by Water Resources* *Current Parcel No.*

Latitude
Longitude
UTM E 551,762 ✓ NAD 27
UTM N 4,466,194 ☐ 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
See Attached Copy				
REVISED COPY				
Nad 27				
40.341590°N				
116.390527°W				

Date started: 20-Feb , 20 15
Date completed: 21-Feb , 20 15

9. *WELL CONSTRUCTION*
Depth Drilled: 0 Feet 127 Depth Cased: 127 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
8"	Inches	0	Feet	127	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4"		SCH 80	0	97

ANNULAR MATERIALS
Sanitary Seal ✓ Yes ☐ No

☐ Neat Cement		to		☐ Pumped	☐ Poured
☐ Cement Grout		to		☐ Pumped	☐ Poured
✓ Concrete Grout	0	to	3	☐ Pumped	✓ Poured
✓ Bentonite Chips	3	to	95	☐ Pumped	✓ Poured
✓ Gravel Pack [> 0.2 in.]	95	to	127	☐ Pumped	✓ Poured
☐ Sand Pack [< 0.2 in.]		to		☐ Pumped	☐ Poured
☐ Other, explain:		to		☐ Pumped	☐ Poured

PERFORATIONS:
Type of perforation: Factory Cut
Size of perforation: 0.02
From 97 Feet To 127 Feet
From Feet To Feet
From Feet To Feet
From Feet To Feet
From Feet To Feet

7. *WATER QUALITIES*
Static water level: 97 Feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: N/A ° Fahrenheit
Water Quality:

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

G.P.M.	Drew Down (Feet Below Static)	Recorded Time (Hours)

10. *DRILLER'S CERTIFICATION*
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name Boart Longyear Company *Contractor*
Address 7103 W. Augusta Avenue, Glendale, AZ 85303 *Contractor*
Nevada contractor's license number as issued by the *State Contractor's Board:* 0021976
Nevada well driller's license number as issued by the *Nevada Division of Water Resources (on-site driller):* 2270-M
Signed: *By driller performing actual drilling on site or contractor*
Date: 3-31-15

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(Rev. 12-13) USE ADDITIONAL SHEETS IF NECESSARY pg. of pg.

Log # 122064

Barrick Cortez	Geology/Drill Log	Hole ID: IM-72s RECEIVED

Project:	Carlin RIBS I-JF MW	Inclination:	-90
Drilling Company:	BLY	Azimuth:	0
Drilling Method:	Sonic	Easting:	551762
Date Started:	2/20/15	Northing:	4466194
Date Finished:	2/21/15	Elevation: ~5300	Total Depth: 127'

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STATE ENGINEERS OFFICE

Depth From (ft)	Depth To (ft)	Run Lengt	Recovery (ft)	Recovery (%)	Grain Size % Gravel	Grain Size % Sand	Grain Size % Fines	Graghic Log	Moisture (1-5)	Lithologic Discription
0	33								1	Brown Silty sandy gravel w/ 8" cobbles, minor FeOx
33	37								2	red brown silty sandy gravel, strong FeOx
37	77								2	Brown silty sandy gravel
77	97								3	Brown silty sandy gravel w/clay, mod FeOx
97	98								5	Brown sandy gravel, 1st H_2O
98	100								4	Brown silty sandy gravel w/clay & cobbles, mod FeOx
100	105								4	Yellow brown silty sandy gravel w/ cobbles
105	117								5	Brown silty sandy gravel, strong FeOx
117	127								5	Brown weathered bedrock, mod strong FeOx

TD 127'

1st H_2O 97'

Clay	Can be rolled in a rope 1/4-in diameter	Dry	Moisture Absent
Silt	Can not be rolled into rope	Moist	Damp, With No Visible Water
Sand with Clay/Silt	20% or more of formation is clay/silt	Wet	Visible Water
Sand, fine - med	Fine to medium (<0.5mm-2 mm),		
Sand med-coarse	Medium to coarse (2-5 mm)		
Sand with Gravel	20% or more of formation is sand		
Gravel	>80% Gravel - Fine (5-20 mm), Coarse (20-75 mm)		