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

OFFICE USE ONLY
Log No. 122058
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. 72793
WELL NAME *(if applicable)*: DRMW-01S2

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 SW ¼ 27 Sec 29N N/S 49 E
PERMIT/WAIVER NO. M/O - 1923B
Issued by Water Resources *Current Parcel No.*

Latitude
Longitude
UTM E 547,377
UTM N 4,466,128
✓ NAD 27
☐ 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				
Nad 27				
40, 3462985 N				
116.4421339 W				

Date started: 15-Mar , 20 15
Date completed: 15-Mar , 20 15

7. *WATER QUALITIES*
Static water level: 45 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.	Draw Down (Feet Below Static)	Recorded Time (Hours)

9. *WELL CONSTRUCTION*
Depth Drilled: 0 Feet 45 Depth Cased: 45 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
8"	Inches	0	Feet	45	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	15

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	13	☐ Pumped	✓ Poured
✓ Gravel Pack [> 0.2 in.]	13	to	45	☐ 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 15 Feet To 45 Feet
From Feet To Feet
From Feet To Feet
From Feet To Feet
From Feet To Feet

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 # 128058

BARRICK

Geology/Drill Log

Hole ID: DRMW-0182

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Project:	Cottonwood II-III MW	Inclination:	-90
Drilling Company:	BLY	Azimuth:	0
Drilling Method:	Sonic	Easting:	547377
Date Started:	3/14/15	Northing:	4466128
Date Finished:	3/15/15	Elevation:	4850
		Total Depth:	45'

Depth From (ft)	Depth To (ft)	Run Length	Recovery (ft)	Recovery (%)	Grain Size (Visual Estimate) % Gravel	% Sand	% Fines	Moisture	Lithologic Discription
0	5	5	0	17				2	Tan Silt
5	10	5	↓	↓					Brown silt, mod Feox
10	15	5							Brown C.G. sand & gravel, mod Feox
15	20	5	17	22					Tan Silt
20	25	5	22	23					Tan C.G. sand & gravel, weak Feox
25	30	5	23	28					Tan Silt
30	35	5	28	30					Tan C.G. sand & gravel, weak Feox
35	40	5	30	31					Brown m.G. sand
40	45	5	31	34				2	Brown silty m.G. sand
45	50	5	34	36				3	Brown Clay
50	55	5	36	38				4	Brown sandy silty clay
55	60	5	38	40					
60	65	5	40	45					
65	70	5							
70	75	5							
75	80	5							
80	85	5							
85	90	5							
90	95	5							
95	100	5							

TD 45' 1ST H_2O 45'

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)		