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

OFFICE USE ONLY
Log No. 12203
Permit No.
Basin No. C54

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. 72789
WELL NAME (if applicable): IM-67S

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: NE ¼ NE ¼ 29 Sec 29N N/S 49 E
PERMIT/WAIVER NO.: M/O - 1975 (Issued by Water Resources) (Current Parcel No.)

Latitude: UTM E: 545,662 ☑ NAD 27
Longitude: UTM N: 4,467,648 ☐ 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				
Nad27				
40.360063°N				
116.462138°W				

Date started: 16-Mar, 20 15
Date completed: 16-Mar, 20 15

9. WELL CONSTRUCTION
Depth Drilled: 0 Feet 40 Depth Cased: 40 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
8"	Inches	0	Feet	40	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	10

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	8	☐ Pumped	☑ Poured
☑ Gravel Pack [> 0.2 in.]	8	to	40	☐ 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	Feet	To	Feet
10		40	

7. WATER QUALITIES
Static water level: 10 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)

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision. This report is true to the best of my knowledge.
Name (Contractor): Boart Longyear Company
Address (Contractor): 7103 W. Augusta Avenue, Glendale, AZ 85303
Nevada contractor's license number as issued by the State Contractor's Board: 0021986
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's)
Date: 3-31-15

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

Log # 12043

Barrick Cortez	Geology/Drill Log	Hole ID: IM-67S RECEIVED

2015 APR -7 AM 10: 22
STATE ENGINEERS OFFICE

Project: Cottonwood JC-TO RIB MW		Inclination: -90	
Drilling Company: BLY		Azimuth: 0	
Drilling Method: Sonic		Easting: 545662	
Date Started: 3/16/15		Northing: 4467648	
Date Finished: 3/16/15		Elevation: 4780	Total Depth: 40

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	7								2	Tan Brown silt
7	10								3	Brown CG sand mod to strong FeOx
10	15								5	White silty clay (playa)* 1ST H2O 10'
15	20									Brown clay, mod FeOx
20	23									Tan silty sandy clay
23	24									Brown silty CG sand, strong FeOx
24	26									Brown silt
26	31									white silty clay (playa)*
31	32									Brown silty clay
32	35									Brown silty CG sand
35	40									tan silty clay

TD 40'

* playa lake sediments & Alk Salt precip present in these intervals

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)		