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

OFFICE USE ONLY
Log No. 112174
Permit No. —
Basin 108 1/2

PRINT OR TYPE 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. 63824

1. OWNER Jack Oman - Atlantic Richfield Company
MAILING ADDRESS 4 Centerpointe Drive
La Palma, CA 90623

ADDRESS AT WELL LOCATION Yerrington Mine Site & surrounding area
Subdivision Name: WELL # B/W - 331 County: Lyon

2. LOCATION NE¼ NE ¼ Sec 06 T 13N N/S R 25 E
PERMIT/WAIVER No. EPA 9-2007-0085
Issued by Water Resources Parcel No.

Latitude 318396.33 Longitude 1557280.85
UTM E N
[x] NAD 27 [ ] NAD 83/WGS 84

3. WORKED PERFORMED
[x] New Well [ ] Replace [ ] Recondition [ ] Deepen [ ] Other

4. PROPOSED USE
[ ] Domestic [ ] Irrigation [ ] Test [ ] Municipal/Industrial [x] Monitor [ ] Stock

5. WELL TYPE
[ ] Cable [ ] Rotary [ ] RVC [ ] Air [x] Other SONIC

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
State Plane				
+ NAD-27				
318396.33 N.				
1557280.85 W.				
Lithology Log Attached				
NAD-27 GPS				
39.025922°N				
119.222598°W				

Date started: 7-20, 20 10
Date completed: 7-24, 20 10

7. Water Level
Static water level: 35 feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: °F
Quality:

8. WELL TEST DATA
TEST METHOD [ ] Bailer [ ] Pump [ ] Air Lift

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

9. WELL CONSTRUCTION
Depth Drilled 184 Feet Depth Cased 180 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
6.5	Inches	0	Feet	184	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2		schd 40 pvc	+3	170

Perforations:
Type of perforation pvc screen
Size of perforation .020
From 170 feet to 180 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: [x] Yes [ ] No
[x] Neat Cement 0 to 50 [x] Pumped [ ] Poured
[ ] Cement Grout to [ ] Pumped [ ] Poured
[ ] Concrete Grout to [ ] Pumped [ ] Poured
[ ] ≥30% Bentonite Grout to [ ] Pumped [ ] Poured
Gravel Pack: [x] Yes [ ] No 138 to 184 [ ] Pumped [x] Poured
Type: Monterey #3
Bentonite Chips: [x] Yes [ ] No 50 to 168 [ ] Pumped [x] Poured
Type: 3/4" - 3/8" Hole Plug

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Boart Longyear
Contractor
Address 3936 Railroad Avenue
Contractor
Yuba City, CA 95991
Nevada contractor's license number issued by the State Contractor's Board 0021976
Nevada driller's license number issued by the Division of Water Resources, the on-site driller 2404-M
Signed
by driller performing actual drilling on site or contractor
Date 10/22/10

USE ADDITIONAL SHEETS IF NECESSARY

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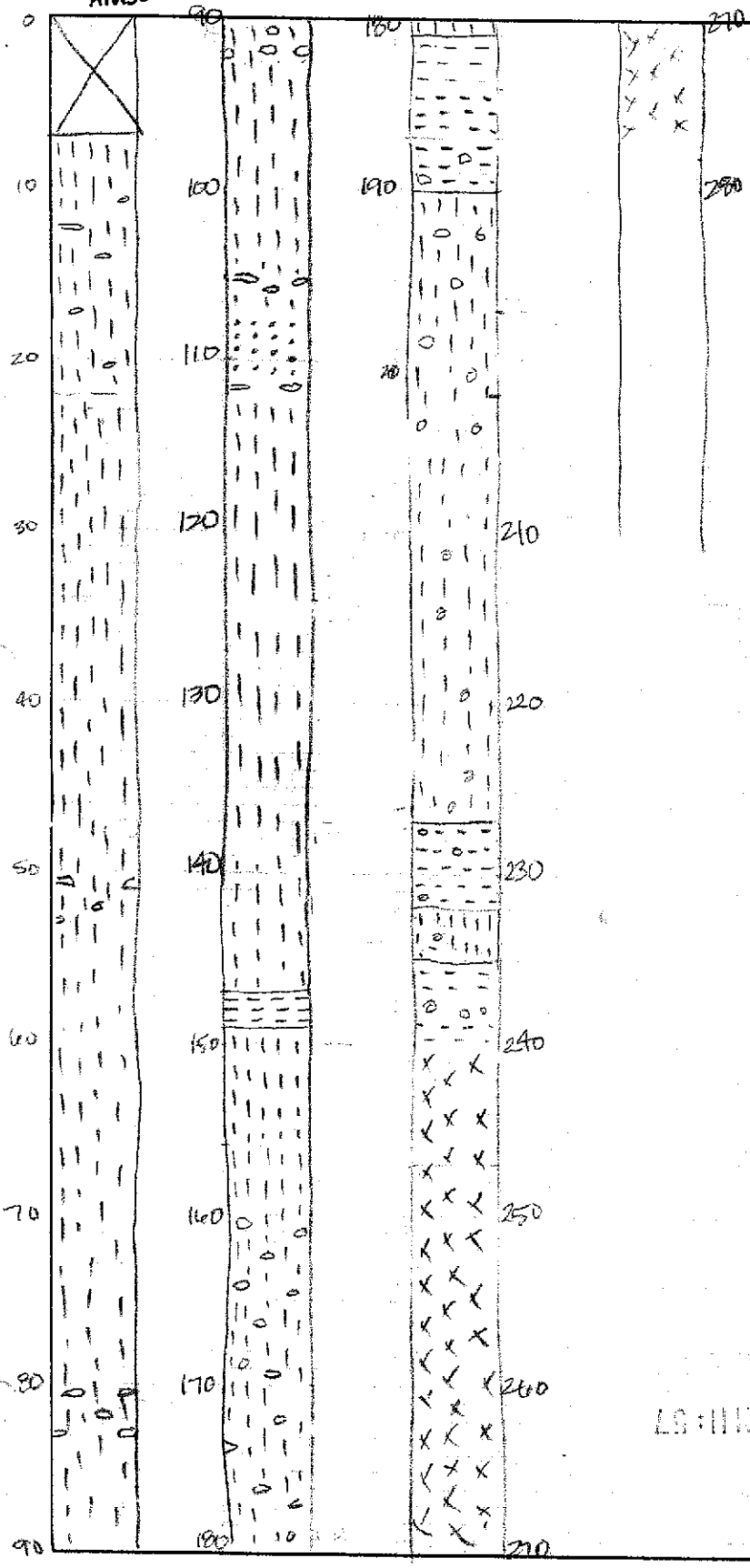
BROWN AND CALDWELL

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.

Project	Subject
YERINGTON MINE SITE 2010 MW WORK PLAN	LITH LOG - B/W-33

~ 4432 FT AMSL



[redacted]

170-180

References/Notes

LEGEND

= SAND W/ <15% FINES

= 15-50% FINES

= >/ 50% FINES

= GRAVEL

X = NO RECOVERY

xxx xx = WEATHERED TUFF

2010 NOV -1 AM 11:57

#1590-1/10" sq.