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

OFFICE USE ONLY
Log No. 112173
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 - 33S County: Lyon

2. LOCATION SW ¼ SE ¼ Sec 31 T 14 N N/S R 25 E
PERMIT/WAIVER No. EPA 9-2007-0086 (Issued by Water Resources) Parcel No.

Latitude 318396.33 Longitude 1557240.85
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,				
1557420.85 W.				
Lithology Log Attached				
NAD-27 GPS				
39.026307 °N				
119.222601 °W				

Date started: 7-22 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 130 Feet Depth Cased 127 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
6.5	Inches	0	Feet	130	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	107

Perforations:
Type of perforation pvc screen
Size of perforation .020
From 107 feet to 127 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 105 to 130 [ ] Pumped [x] Poured
Type: Monterey #3
Bentonite Chips [x] Yes [ ] No 50 to 105 [ ] Pumped [x] Poured
Type: bottom hole - 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 (Driller performing actual drilling on site or contractor)
Date 10/22/10

USE ADDITIONAL SHEETS IF NECESSARY

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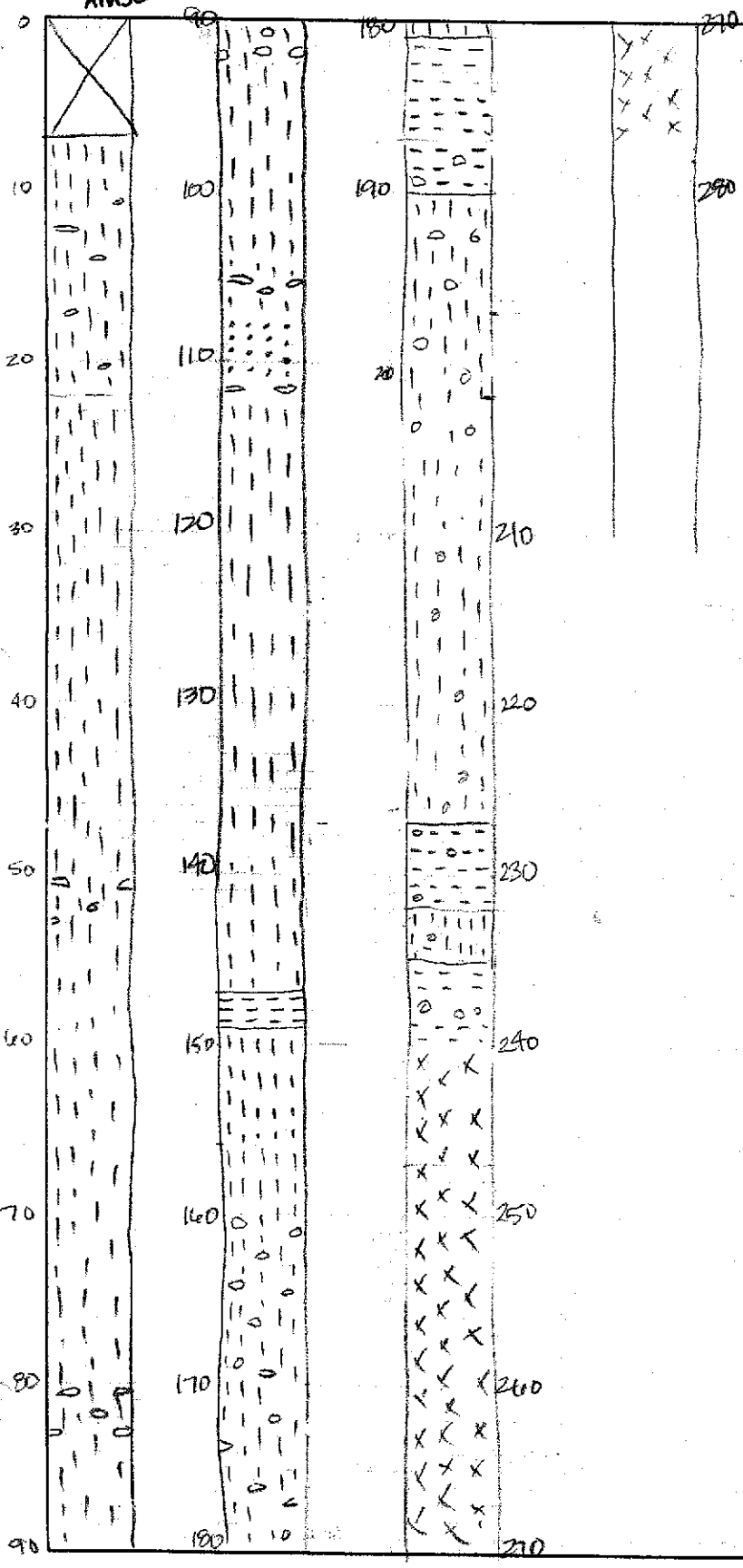
BROWN AND CALDWELL

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]

107-127

References/Notes

LEGEND

= SAND W/ <15% FINES

= 15-50% FINES

= >/ 50% FINES

= GRAVEL

X = NO RECOVERY

x x x x x = WEATHERED TUFF

#1590-1/10" sq.