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

OFFICE USE ONLY
Log No. 111097
Permit No. —
Basin 108 pg 1 of 4

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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. 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 - 1D4 County: Lyon

2. LOCATION SE ¼ SW ¼ Sec 33 T 14 N/S R 25 E
PERMIT/WAIVER No. EPA 9-2007-0085 (Issued by Water Resources) Parcel No.

Latitude 39.02682
Longitude 119.19297
UTM E / N
☐ NAD 27 ☒ NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Replace ☐ Recondition ☐ Deepen ☐ Other

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☐ RVC ☐ Air ☒ Other SONIC

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
NAD 27 GPS,				
39.026902°N				
119.191983°W				
Lithology Log Attached				

Date started: 9-Apr, 20 10
Date completed: 5/11/2010, 20 10

7. Water Level
Static water level: 25 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 Feet Depth Cased Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
9	Inches	0	Feet	300	Feet
8	Inches	300	Feet	550	Feet
6.5	Inches	550	Feet	705	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2.5		schd 80 pvc	+3	655

Perforations:
Type of perforation 2" Wire Wrap SS
Size of perforation .020
From 655 feet to 665 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☒ Yes ☐ No
☒ Neat Cement 0 to 635 ☒ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☐ Concrete Grout to ☐ Pumped ☐ Poured
☐ ≥30% Bentonite Grout to ☐ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 653 to 670 ☐ Pumped ☒ Poured
Type: Monterey #3
Bentonite Chips: ☒ Yes ☐ No 635 to 653 ☐ Pumped ☒ Poured
Type: bottom hole 670' - 705' —— 3/8" TR-60 Pellets

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 3894 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* 2234
Signed (By driller performing actual drilling on site or contractor)
Date 6-9-10

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(Rev. 05-06)
USE ADDITIONAL SHEETS IF NECESSARY

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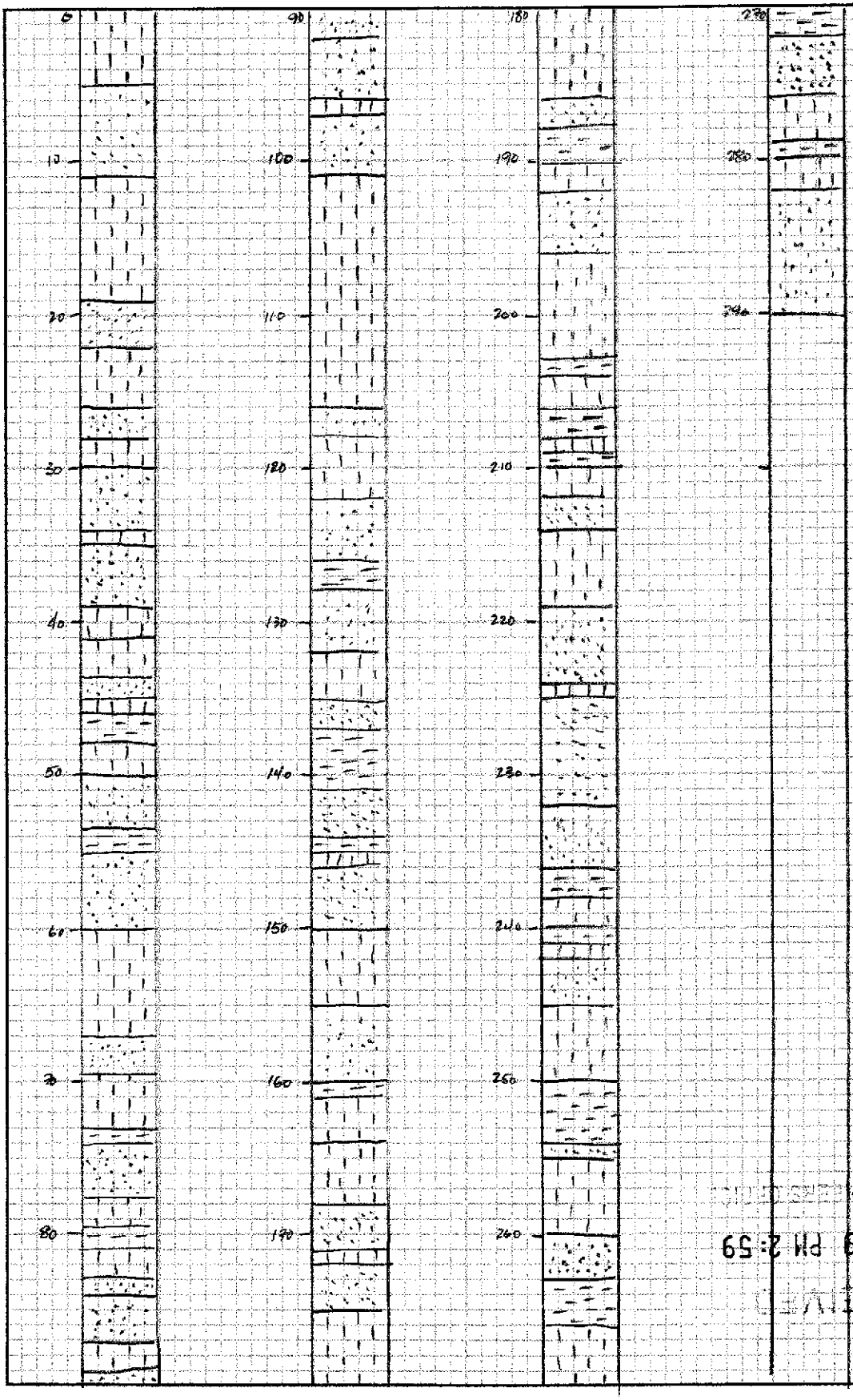
BROWN AND CALDWELL

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

Project	Subject
	B/W-104 (705' B/W-1 GENERALIZED LITH LOG

Well Log # 111097

References/Notes



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#1590-1/10" sq.

John Gray JCO ▼ pg 2 of 4

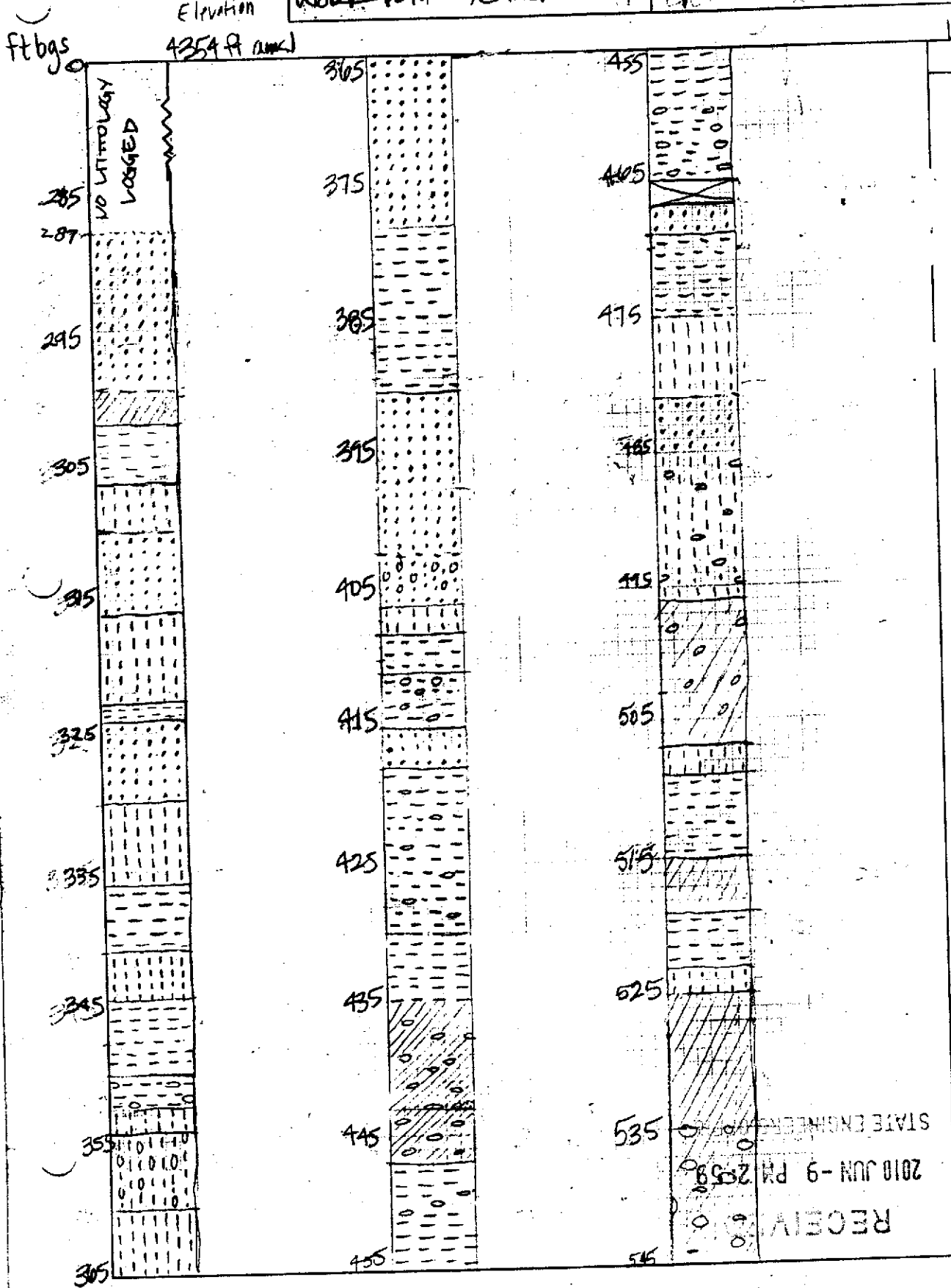
BROWN AND CALDWELL

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
			ABRUSH	4/9/10 - 5/11/10		1 / 2

Project	Subject
2010 MONITORING WELL WORK PLAN - YERINGTON MINE	B/W-1D4 BORING LOG

Well Log 111097

References/Notes



LEGEND

= NO LITHOLOGY COLLECTED

= SAND W/ <15% FINES

= SILTY SAND

= CLAYEY SAND

= >50% FINES (SANDY SILT, SILT W/ SAND, SANDY CLAY, CLAY W/ SAND)

○ = WITH GRAVEL

XXX = GRANITE BOULDER

X = NO RECOVERY

VERTICAL SCALE = 1" = 10'

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BROWN AND CALDWELL

Date Checked	Checked By	Job Number	By	Date	Calc. No.	Sheet No.
			ABOUSH	4/9/10 - 5/11/10		2 / 2

Project	Subject
2010 MW WORK PLAN - YERINGTON MINE SITE	B/W-1DT Boring Log

Well Log 111097

3808

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705

- SHARP CONTACT TO WEATHERED QUARTZ LATITE ASH FLOW TUFF [SINGATZE TUFF]

PERMANENT WELL SCREEN LOCATION 655'-665' bgs (3699-3689 FT amsl)

NO RECOVERY, CORE WAS WASHED OUT

WEATHERED SINGATZE TUFF

TOTAL DEPTH OF BORING = 705 FT BGS (3649 FT amsl)

References/Notes

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