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NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. Indicate Type of Lease
State ☒ Fee ☐
2. Lease or Gas Lease No.
647-364

10. TYPE OF WELL	OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
11. TYPE OF COMPLETION	NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESERV. ☐ OTHER ☐

3. Lease Agreement Title
Empire Abo Pressure Maintenance Project
4. Name of Lease Owner
Empire Abo Unit "F"
5. Well No.
334

2. Name of Operator	ARCO Oil and Gas Company ✓ Division of Atlantic Richfield Company
3. Address of Operator	Box 1710, Hobbs, New Mexico 88240
4. Location of Well	ARTESIA, OFFICE

6. Production Pool, or Wildcat
Empire Abo

UNIT LETTER	E	LOCATED	1700	FEET FROM THE	North	LINE AND	620	FEET FROM
THE	West	LINE OF SEC.	34	TWP.	17S	RGE.	28E	CORNER

7. County
Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (D.F., RKB, RT, GR, etc.)
5/10/79	5/23/79	6/13/79	3674.8' GR
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By
6350'	6304'		Rotary Tools 0-6350'

19. Elev. Casinghead
25. Was Directional Survey Made
No

24. Producing Interval(s), of this completion - Top, Bottom, Name
6166-76' Abo Reef
26. Type Electric and Other Logs Run
GR-CNL, DLL-MLL, CBL
27. Was Well Cored
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8" OD	24# K-55	750'	11"	650 SX	
5 1/2" OD	15.5# K-55	6350'	7-7/8"	1700 SX	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8" OD	6079'
						PACKER SET
						6079'

31. Perforation Record (Interval, size and number)	
6166-6176' = 20 .43" holes 2 JSPF	
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
770'	Squeezed 5 1/2" ccg w/50 cc LML cmt & 50 cc CL C w/2% CaCl ₂
6166-76'	Acidized w/150 gal 15% LSTNE-FE, 1000 gal CaCl ₂ wtr, 1000 gal gel LC, 1000 15% HCL-LSTNE-FE

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
6/11/79		Flwg				Prod	
Date of Test	Hours Tested	Choke Size	Prod'n Per Test Period	Oil - BBL.	Gas - MCF	Water - BBL.	Gas - Oil Ratio
7/21/79	24	48/64"		94	42	2	447:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - BBL.	Gas - MCF	Water - BBL.	Oil Gravity - API (Corr.)	
80#	Pkr		94	42	2	44°	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold
Test Witnessed by
N. H. Truitt

35. List of Attachments
Logs as listed in Item 26 above & Inclination Report

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.		
SIGNED	TITLE	DATE
<i>[Signature]</i>	Dist. Drlg. Supt.	7/25/79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, Items 20 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1135.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Pase Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 5862'	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 6166-6176' to No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....	to.....	feet.	None encountered
No. 2, from.....	to.....	feet.	
No. 3, from.....	to.....	feet.	
No. 4, from.....	to.....	feet.	

FORMATION RECORD (Attach additional sheets if necessary) -

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	750	750	Surface, caliche, sd, red bed				
750	1380	630	Anhydrite				
1380	2010	630	Anhydrite & Lime				
2010	6350	4340	Lime				