

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

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OPERATOR	

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
647-320	647-368

1a. TYPE OF WELL *Oil Well*

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

AUG 19 1977

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project

8. Farm or Lease Name
Empire Abo Unit "E"

2. Name of Operator
Atlantic Richfield Company

O. C. C.
ARTESIA, OFFICE

9. Well No.
372

3. Address of Operator
P. O. Box 1710, Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat
Empire Abo

4. Location of Well

UNIT LETTER D LOCATED 100 FEET FROM THE North LINE AND 1291.14 FEET FROM

12. County
Eddy

THE West LINE OF SEC. 35 TWP. 17S RGE. 28E NMPM

15. Date Spudded 7/13/77	16. Date T.D. Reached 7/25/77	17. Date Compl. (Ready to Prod.) 8/4/77	18. Elevations (DF, RKB, RT, GR, etc.) 3681.1' GR	19. Elev. Casinghead
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20. Total Depth 6383'	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools 0-6383'	Cable Tools
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24. Producing Interval(s), of this completion - Top, Bottom, Name
6252-70' Abo Reef

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
GR-DLLW/RXO & Caliper, GR & Caliper, CNL-FD, Sonic, TDT & GR-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"	400 sx plus 9 yds Redi-mix	
5-1/2" OD	14 & 15.5#K-55	6383'	7-7/8"	1177 sx	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6195'	6161'

31. Perforation Record (Interval, size and number)
6252-70' (18 - .44" holes) 2 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6252-6270'	300 gal 15% HCL-NE acid followed by
	500 gal I.C., 500 gal 10# CaCl, 2000
	gal 60/40 15% HCL/xylene, 12 BLC.

33. PRODUCTION

Date First Production 8/4/77	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing	Well Status (Prod. or Shut-in) Prod					
Date of Test 8/6/77	Hours Tested 24 hrs	Choke Size 48/64"	Prod'n. For Test Period →	Oil - Bbl. 570	Gas - MCF 458	Water - Bbl. 0	Gas - Oil Ratio 804:1
Flow Tubing Press. 80#	Casing Pressure Pkr	Calculated 24-Hour Rate →	Oil - Bbl. 570	Gas - MCF 458	Water - Bbl. 0	Oil Gravity - API (Corr.) 44.4°	

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 [Signature] TITLE Dist. Drlg. Supt. DATE 8/9/77

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 depth, in the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 30 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 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
T. Salt	T. Pictured Cliffs	T. Penn. "D"
T. Salt	T. Cliff House	T. Leadville
T. Yates	T. Menefee	T. Madison
T. 7 Rivers	T. Point Lookout	T. Elbert
T. Queen	T. Mancos	T. McCracken
T. Grayburg	T. Gallup	T. Ignacio Qizic
T. San Andres	T. Simpson	T. Granite
T. Clorieta	T. McKee	T. Base Greenhorn
T. Paddock	T. Ellenburger	T. Dakota
T. Blinbry	T. Gr. Wash	T. Morrison
T. Tubb	T. Granite	T. Todillo
T. Drinkard	T. Delaware Sand	T. Entrada
T. Abo	T. Bone Springs	T. Wingate
T. Wolfcamp	T. Permian	T. Perm. "A"
T. Cisco (Bough C)	T. Permian	T. Perm. "A"

OIL OR GAS SANDS OR ZONES

No. 1, from 6252'	to 6270' Abo	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 & Red Bed				
750	2070	1320	Anhydrite				
2070	2379	309	Lime				
2379	3000	621	Anhydrite				
3000	3250	250	Lime				
3250	3325	75	Lime & Anhydrite				
3325	3520	195	Lime				
3520	3720	200	Lime & Anhydrite				
3720	4420	700	Lime				
4420	5001	581	Lime & Sand				
5001	5600	599	Lime				
5600	5750	150	Lime & Sand				
5750	5915	165	Lime & Dolomite				
5915	6000	85	Dolomite & Sand				
6000	6200	200	Dolomite				
6200	6275	75	Dolomite & Sand				
6275	6383'	108	Dolomite & Shale				