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

JAN 31 1979

Form C-105
Revised 11-1-78

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
647-368	647-363
647-320	647-363

1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION

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

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 ✓

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

9. Well No.
384

10. Field and Pool, or Wildcat
Empire Abo

4. Location of Well

UNIT LETTER **C** LOCATED **600** FEET FROM THE **North** LINE AND **1400** FEET FROM

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

11. County
Eddy

15. Date Spudded **1/3/79** 16. Date T.D. Reached **1/14/79** 17. Date Compl. (Ready to Prod.) **1/22/79** 18. Elevations (DF, RKB, RT, GR, etc.) **3681' GR** 19. Elev. Casinghead

20. Total Depth **6300'** 21. Plug Back T.D. **6261'** 22. If Multiple Compl., How Many

23. Intervals Drilled By Rotary Tools **0-6300'** Cable Tools

24. Producing interval(s), of this completion - Top, Bottom, Name
6222-6236' Abo Reef

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
Compensated Density Neutron w/caliper, MLL/DLL

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"	340 sx	
5-1/2" OD	15.5# K-55	6300'	7-7/8"	1300 sx	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6131'	6125'

31. Perforation Record (Interval, size and number) 6222-6236' = 28 .44" holes	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6222-6236'	150 gal 15% HCL-ISTNE-FE, 1000 gal gelled CaCl wtr, 1000 gal gelled LC, 1500 gal 15% HCL-ISTNE-FE acid.

33. PRODUCTION							
Date First Production 1/22/79		Production Method (Flowing, gas lift, pumping - Size and type pump) Flwg				Well Status (Prod. or Shut-in) Prod	
Date of Test 1/24/79	Hours Tested 24 hrs	Choke Size 48/64"	Flowing Per Test Period 531	Oil - Bbl. 365	Gas - MCF 0	Water - Bbl. 687:1	Gas - Oil Ratio 44°
Flow Turning Press. 130#	Casing Pressure Pkr	Calculated 24-Hour Rate 531	Oil - Bbl. 365	Gas - MCF 0	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold

Test Witnessed By

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 1/30/79

This form is to be filled 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 depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filled in quadruplicate except on state land, where six copies are required. See Rule 1105.

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"
T. Salt	T. Aloka	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 Ortiz
T. Glorieta	T. McKee	T. Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T. T.
T. Blinberry	T. Gr. Wash	T. Morrison	T. T.
T. Tubb	T. Granite	T. Todillo	T. T.
T. Drinkard	T. Delaware Sand	T. Entraka	T. T.
T. Abo	T. Bone Springs	T. Wingate	T. T.
T. Wolfcamp	T. T.	T. Chinle	T. T.
T. Penn.	T. T.	T. Permian	T. T.
T. Cisco (Bough C)	T. T.	T. Penn. "A"	T. T.

OIL OR GAS SANDS OR ZONES

No. 1, from 6222' to 6236'	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	Encountered water flow
No. 2, from _____ to _____	feet	above 2988' ARO 438 BPD
No. 3, from _____ to _____	feet	
No. 4, from _____ to _____	feet	

FORMATION RECORD: Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation
0	750	750	Surface, Red Bed
750	1200	450	Anhydrite & Lime
1200	5875	4675	Lime
5875	6300	425	Lime & Shale