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Form C-105
Revised 11-78

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

APR - 2 1979

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
B-2071-23

1a. TYPE OF WELL

b. TYPE OF COMPLETION

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

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

7. Unit Agreement Name

Empire Abo Pressure Maintenance Project

8. Form or Lease Name

Empire Abo Unit "D"

2. Name of Operator

Atlantic Richfield Company

9. Well No.

361

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 P LOCATED 136 FEET FROM THE South LINE AND 800 FEET FROM THE East LINE OF SEC. 27 TWP. 17S RGE. 28E N.M.P.M.

12. County

Eddy

15. Date Spudded 2-12-79

16. Date T.D. Reached 3-2-79

17. Date Compl. (Ready to Prod.) 3-18-79

18. Elevations (DF, Rkb, RT, GR, etc.) 3665.5' GR

19. Elev. Casinghead

20. Total Depth 6414'

21. Plug Back T.D. 6373'

22. If Multiple Compl., How Many

23. Intervals Drilled By Rotary Tools 0-6414'

Cable Tools

24. Producing Intervals(s), of this completion -- Top, Bottom, Name

6300-6310' Abo Reef

25. Was Directional Survey Made

Yes

26. Type Electric and Other Logs Run

Comp DL - Comp NL w/Caliper, DLL-MLL, CBL & Sound Log

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	800'	11"	450 sx	
5-1/2" OD	15.5# K-55	6414'	7-7/8"	1075 sx	

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6176'	6176'

31. Perforation Record (Interval, size and number)

6300-6310' = 20-.50" holes

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1226-1227'	Squeezed w/300 sx Thik-set & 2% Ca Cl, 100 sx Cl C Contg 4% gel, 100 sx Cl C Contg 3# salt/sk 3% Ca Cl.

33. PRODUCTION

Date First Production 3-18-79

Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing

Well Status (Prod. or Shut-in) Prod. SI

Date of Test 3-23-79	Hours Tested 24	Choke Size 48/64	Prod'n. Per Test Period	Oil - Bbl. 89	Gas - MCF 132	Water - Bbl. 0	Gas - Oil Ratio 1483:1
Flow Tubing Press. 100#	Casing Pressure Pkr	Calculated 24-Hour Rate	Oil - Bbl. 89	Gas - MCF 132	Water - Bbl. 0	Oil Gravity - API (Corr.) 44°	

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, Directional Survey & 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 3-29-79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by a copy of all electrical and radio-activity logs run in 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 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

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 Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 6022'	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 6300' to 6310' 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.	Had water flow while
No. 2, from _____ to _____ feet.	setting surf csg
No. 3, from _____ to _____ feet.	ARO 250 BPD.
No. 4, from _____ to 1480' feet.	Waterflow ARO 1028 BPD

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	800	800	Surface; sand, Red Bed				
800	4034	3234	Anhydrite				
4034	4165	131	Lime & Sand Stone				
4165	6079	1914	Lime & Shale				
6079	6271	192	Lime				
6271	6414	143	Lime & Shale				