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

Form C-105
Revised 11-1-76

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

1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION

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

JUN 20 1978

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project

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

2. Name of Operator
Atlantic Richfield Company

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

4. Location of Well

9. Well No.
233

10. Field and Pool, or Wildcat
Empire Abo

UNIT LETTER G LOCATED 2550 FEET FROM THE North LINE AND 2050 FEET FROM THE East

LINE OF SEC. 6 TWP. 18S RGE. 28E NMPN

12. County
Eddy

15. Date Spudded 5/10/78	16. Date T.D. Reached 5/27/78	17. Date Compl. (Ready to Prod.) 6/5/78	18. Elevations (DF, RKB, RT, GR, etc.) 3668.9' GR	19. Elev. Casinghead
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20. Total Depth 6300'	21. Plug Back T.D. 6253'	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools 0-6300'	Cable Tools
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24. Producing Interval(s), of this completion - Top, Bottom, Name
6080-6096' Abo Reef

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
GR-N, DLL-MSFL, CNL-FDC, BHC-VDL, CBL & TDT logs

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	590'	11"	320 sx	
5-1/2" OD	14# K-55	6300'	7-7/8"	1525 sx	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6062'	6028'

31. Perforation Record (Interval, size and number)
6080-6096' w/2 JSPF

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6080-6096'	300 gals 15% HCL-NE acid, 500 gals CaCl 10# wtr, 500 gals LC, 2000 gals 60/40 DAD, flushed w/18 BLC.

33. PRODUCTION

Date First Production 6/5/78	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing	Well Status (Prod. or Shut-in) Prod					
Date of Test 6/7/78	Hours Tested 24	Choke Size 30/64"	Prod'n. For Test Period →	Oil - Bbl. 513	Gas - MCF 576	Water - Bbl. 0	Gas - Oil Ratio 1122:1
Flow Tubing Press. 230#	Casing Pressure Pkr	Calculated 24-Hour Rate →	Oil - Bbl. 513	Gas - MCF 576	Water - Bbl. 0	Oil Gravity - API (Corr.) 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 [Signature] TITLE Dist Drlg Supt. DATE 6/15/78

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 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 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. Penn. "B"	T. Ojo Alamo
T. Salt	T. Strawn	T. Penn. "C"	T. Kirtland-Fruitland
B. Salt	T. Aloka	T. Penn. "D"	T. Pictured Cliffs
T. Yates	T. Miss	T. Leadville	T. Cliff House
T. 7 Rivers	T. Devonian	T. Madison	T. Menefee
T. Queen	T. Silurian	T. Elbert	T. Point Lookout
T. Grayburg	T. Montoya	T. McCracken	T. Mancos
T. San Andres	T. Simpson	T. Ignacio Qizte	T. Gallup
T. Glorieta	T. McKee	T. Granite	T. Base Greenhorn
T. Paddock	T. Ellenburger	T. T. Dakota	T. T. Dakota
T. Blinberry	T. Gr. Wash	T. Morrison	T. Toddlito
T. Tubb	T. Granite	T. Entrada	T. Wingate
T. Drinkard	T. Delaware Sand	T. Abo	T. Bone Springs
T. Wolfcamp	T. T. Penn.	T. Cisco (Bough C)	T. T. Penn. "A"
No. 1, from 6080'	to 6096'	No. 4, from	to
No. 2, from	to	No. 5, from	to
No. 3, from	to	No. 6, from	to

OIL OR GAS SANDS OR ZONES

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
0	405	405	Surface rock, Red Bed
405	828	423	Anhydrite
828	1216	388	Anhydrite & Salt
1216	1525	309	Anhydrite
1525	1844	319	Anhydrite & Lime
1844	2487	643	Lime
2487	2652	165	Lime & Anhydrite
2652	3755	1093	Lime
3755	4841	1086	Lime & Shale
4841	5520	679	Lime
5520			Lime & Shale