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

Form C-105
Revised 11-1-74

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
K-2715	

RECEIVED

1a. TYPE OF WELL	
OIL WELL ☒	GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION	
NEW WELL ☒	WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

AUG 24 1978

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project
8. Farm or Lease Name
Empire Abo Unit "K"
9. Well No.
231

2. Name of Operator
Atlantic Richfield Company

O. C. C.
ARTESIA, OFFICE

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 <u>J</u> LOCATED <u>1700</u> FEET FROM THE <u>South</u> LINE AND <u>2350</u> FEET FROM

11. County
Eddy

THE <u>East</u> LINE OF SEC. <u>6</u> TWP. <u>18S</u> RGE. <u>28E</u> NMPM
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15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (H.F., RKB, RT, GR, etc.)	19. Elev. Casinghead
7/18/78	8/2/78	8/14/78	3649.3' GR	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
6350'	6268'			0-6350'	

24. Producing Interval(s), of this completion - Top, Bottom, Name
6210-6230' Abo Reef

25. Was Directional Survey Made
No
27. Was Well Cored
No

26. Type Electric and Other Logs Run
GR-N, CNL-FDC w/Caliper, DLL-RXO, Sonic-VDC & GR Temp logs

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	550'	11"	285 sx	
5-1/2" OD	15.5# K-55	6350'	7-7/8"	1401 sx	

29. LINER RECORD	30. TUBING RECORD						
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6086'	6086'

31. Perforation Record (Interval, size and number)
6210-6230' (40 - .51" holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6210-6230'	300 gals 60/40 15% HCL-LSTNEA/xylene, RA mat'l & 18 BLC.

33. PRODUCTION		
Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
8/13/78	Flwg	Prod

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8/14/78	24 hrs	32/64"		448	405	0	904:1

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
200#	Pkr		448	405	0	43.1°

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
Sold	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 Dist. Drlg. Supt.

DATE 8/23/78

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 radioactivity 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 34 through 37 shall be reported for each zone. The term 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

T. Anyh	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	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. Entrada	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 6210'	to 6230'	No. 4, from	No. 5, from	No. 6, from
No. 2, from	to	No. 3, from	to	
No. 3, 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
0	550	550	Surface, Red Bed
550	3065	2515	Anhydrite
3065	4413	1348	Lime
4413	4920	507	Shale
4920	6040	1120	Lime & Shale
6040	6350	310	Lime
6040	6350	310	Lime
6350	6350	0	TD