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Form C-105
Revised 11-4-74

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

RECEIVED

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
B-11594-3	

1a. TYPE OF WELL		MAY 25 1978	
OIL WELL ☒	GAS WELL ☐	DRY ☐	OTHER
b. TYPE OF COMPLETION		O. C. C.	
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 "J"
9. Well No.
223

2. Name of Operator
Atlantic Richfield Company

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 F LOCATED 2630 FEET FROM THE North

11. County
Eddy

THE West	LINE OF SEC. 6	TWP. 18S	RGE. 28E
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15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
4/22/78	5/6/78	5/19/78	3644.3' GR	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
6250'				0-6250'	

24. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
6080-6096'	Yes

26. Type Electric and Other Logs Run	27. Was Well Cored
DLL w/RXO & Caliper, CNL-FDC, GR-N, GR Sonic VDL w/Caliper	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	585'	11"	237 sx	
5-1/2" OD	15.5# K-55	6250'	7-7/8"	985 sx	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2-3/8" OD	6077'	6043'

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
6080-6096' 2 JSPF (32 - .40" shots)	DEPTH INTERVAL
	AMOUNT AND KIND MATERIAL USED
	6031' SQ perfs w/150 sx LWL cmt, 50 sx Cl C, 2% CaCl ₂ RO 104 sx.
	6080-6096' 300 gal 15% NE acid, 500 gal 10# CaCl ₂ , 500 gal LC, 2000 gal 60/40 DAD, 18 BLC.

33. PRODUCTION		Well Status (Prod. or Shut-in)	
Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Prod	
5/19/78	Flowing		
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period
5/22/78	24	48/64"	123
Flow Tubing Press.	Casing Pressure	Oil - Bbl.	Gas - MCF
75#	Pkr	123	375
	Calculated 24-Hour Rate	Water - Bbl.	Gas - Oil Ratio
		1	3049:1

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, 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	TITLE	DATE
	Dist. Drlg. Supt.	5/24/78

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 10 through 14 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. 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. Granite
T. Blinberry	T. Gr. Wash	T. Morrison	T. Granite
T. Tubb	T. Granite	T. Todillo	T. Granite
T. Drinkard	T. Delaware Sand	T. Enitada	T. Granite
T. Abo	T. Bone Springs	T. Wingate	T. Granite
T. Wolfcamp	T. Chinle	T. Permian	T. Granite
T. Penn.	T. Permian	T. Penn. "A"	T. Granite
T. Cisco (Bough C)			

OIL OR GAS SANDS OR ZONES

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

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	Formation	From	To	Thickness	Formation
0	842	842	Surf & Red Bed				
842	1633	791	Anhydrite				
1633	1821	188	Anhydrite & Lime				
1821	5060	3239	Lime				
5060	5801	741	Lime & Shale				
5801	6001	200	Lime				
6001	6101	100	Lime & Shale				
6101	6250	149	Lime				