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

Form C-105
Revised 11-77

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APR 28 1978

1a. TYPE OF WELL Oil

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

5a. Indicate Type of Lease
 State ☒ Fee ☐
 5. State Oil & Gas Lease No.
 B-11593
 7. Unit Agreement Name
 Empire Abo Pressure Maintenance Project
 8. Form or Lease Name
 Empire Abo Unit "E"
 9. Well No.
 373

2. Name of Operator
 Atlantic Richfield Company ✓
 3. Address of Operator
 P. O. Box 1710, Hobbs, New Mexico 88240
 4. Location of Well

10. Field and Pool, or Wildcat
 Empire Abo
 12. County
 Eddy

UNIT LETTER D LOCATED 150 FEET FROM THE North LINE AND 15 FEET FROM THE West LINE OF SEC. 35 TWP. 17S RGE. 28E NMPM

15. Date Spudded 3/29/78	16. Date T.D. Reached 4/10/78	17. Date Compl. (Ready to Prod.) 4/16/78	18. Elevations (DF, RKB, RT, GR, etc.) 3670.4' GR	19. Elev. Casinghead
20. Total Depth 6275'	21. Plug back T.D. 6245'	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools 0-6275'	Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
 6216-6228' Abo Reef
 25. Was Directional Survey Made
 No
 26. Type Electric and Other Logs Run
 GR-N, Sonic, GR-CBL, DLL w/Micro SFL, CNL-FDC w/Caliper
 27. Was Well Cored
 No

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"	300 sx	
5-1/2" OD	15.5# K-55	6275'	7-7/8"	1164 sx	

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6116'	6116'

31. Perforation Record (Interval, size and number)
 6216, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 6228' (24 - .49")

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6216-6228'	300 gal 15% HCL-NE acid followed by 500 gal 10% CaCl wtr, 500 gal LC, 2000 gal 60/40 HCL acid/xylene, 18 BLC

33. PRODUCTION

Date First Production 4/16/78	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing	Well Status (Prod. or Shut-in) Prod
Date of Test 4/17/78	Hours Tested 21	Choke Size 48/64"
Flow Tubing Press. 115#	Casing Pressure Pkr	Calculated 24-Hour Rate 654
Oil - Bbl. 572	Gas - MCF 403	Water - Bbl. 0
Oil - Bbl. 461	Gas - MCF 461	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 4/21/78

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 one copy of all observed and radioactively logs run in the well and a summary of all reported tests conducted, including full flow tests. All depths reported shall be measured by tape in the case of directionally drilled wells; true vertical depths shall also be reported for ordinary wells. Forms 36 through 38 shall be reported for each zone. The form is to be filed in quadruplicate except in state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Northwestern New Mexico

Southeastern New Mexico

T. Any	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. Leadvale
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 Quartz
T. Glorieta	T. McKee	T. Base Greenhorn	T. Granite
T. Padlock	T. Ellensburg	T. Dakota	T. T.
T. Blinberry	T. Gr. Wash	T. Morrison	T. T.
T. Tubb	T. Granite	T. Todillo	T. T.
T. Urickard	T. Delaware Sand	T. Entrada	T. T.
T. Abo	T. Bone Springs	T. Wingate	T. T.
T. Walicamp	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 6216 to 6228' Abo	No. 4, from	No. 5, from	No. 6, from
No. 2, from	No. 3, from		

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	No. 2, from	No. 3, from	No. 4, from
feet	feet	feet	feet
Water flow @ 560' ARO 1/2	BPM to surf.	Water flow @ 2015' ARO 20	BHP to surf.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	800	800	Surface & Red Bed				
800	2062	1262	Anhydrite				
2062	2371	309	Lime				
2371	2991	620	Anhy				
2991	3242	251	Lime & Anhydrite				
3242	3317	75	Lime				
3317	3512	195	Lime & Anhydrite				
3512	3712	200	Lime				
3712	4412	700	Lime & Anhydrite				
4412	4992	580	Lime & Sand				
4992	5592	600	Lime				
5592	5744	152	Lime & Sand				
5744	5908	164	Lime & Dolomite				
5908	5993	85	Dolomite & Sand				
5993	6194	201	Dolomite				
6194	6275	81	Dolomite, Sand & Shale				