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JUL 29 2009

Form C-105
Revised 11-1-76

NEW MEXICO OIL CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No.: E-7832

1a. TYPE OF WELL

b. TYPE OF COMPLETION: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER ____ NEW WELL [X] 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 "E"

2. Name of Operator: ARCO Oil and Gas Company
Division of Atlantic Richfield Company

9. Well No.: 362

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

10. Field and Pool, or Wildcat: Empire Abo

4. Location of Well

UNIT LETTER A LOCATED 1200 FEET FROM THE North LINE AND 1200 FEET FROM THE East LINE OF SEC. 34 TWP. 17S RGE. 28E NMPM

12. County: Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
3/2/79	3/13/79	4/1/79	3675.9' GR	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
6350'	6303'		→	0-6350'	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 6230-6240' Abo Reef

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: GR-DLL w/RXO, GR-CN Comp Density, Neutron 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	750'	11"	650 sx	
5-1/2" OD	15.5# J-55	6343'	7-7/8"	1750 sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"OD	6149'	6149'

31. Perforation Record (Interval, size and number)

6230-6240' - 2 JSPF = 20 .56" holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6230-6240'	150 gal 15% HCL-LSTNE-FE, 1000 gal gel CaCl wtr, 1000 gal gel LC, 1500 gal 15% HCL-LSTNE-FE, flushed w/24 BLC

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
3/28/79	Flowing	Prod

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
4/5/79	24	48/64"		419	191	0	456:1

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
100#	Pkr		419	191	0	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 _____ TITLE Dist. Drlg. Supt. DATE 4/25/79

This form is to be filed with the appr ate District Office of the Commission not later 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied one copy of all electrical and radio-activity log 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 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. Blinebry		T. Gr. Wash		T. Morrison		T.	
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo	5922'	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 6230' to 6240' 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 in Feet	Formation	From	To	Thickness in Feet	Formation
0	750	750	Surface, caliche, sd, red bed				
750	1875	1125	Dolomite & Shale & Sd				
1875	2625	750	Lime & Sd				
2625	5910	3285	Dolo & Sd				
5910	6350	440	Lime				