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Form C-105
Revised 11-1-58

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.: 647-368, 647-363, 647-320

7. Unit Agreement Name: Empire Abo Pressure Maintenance Project

8. Farm or Lease Name: Empire Abo Unit "F"

9. Well No.: 382

10. Field and Pool, or Wildcat: Empire Abo

12. County: Eddy

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] OTHER

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] OTHER

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

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

4. Location of Well: UNIT LETTER F LOCATED 2400 FEET FROM THE North LINE AND 1600 FEET FROM THE West LINE OF SEC. 35 TWP. 17S RGE. 27E NMPM

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
1-24-79	2-7-79	3-6-79	3675.6' GR	

20. Total Depth	21. Plug back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
6304'	6274'		→	0-6304'	

24. Producing Interval(s), of this completion — Top, bottom, Name: 6204-6214' Abo Reef

25. Was Directional Survey Made: No

26. Type Electric and Other Logs Run: DLL-RXO, GR Caliper, CNL-FDC, CBL

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	800'	11"	300 sx	
5-1/2" OD	15.5# K-55	6303'	7-7/8"	1100 sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"OD	6103'	6097'

31. Perforation Record (Interval, size and number): 6204-6214' 2 JSPF = 20-.44" holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6204-6214'	150 gals 15% HCL-LSTNE acid,
	2000 gals gelled CaCl wtr, 1500
	gals gelled LC + 1500 gals 15%
	HCL-NE-LST acid flushed w/24

(Cont'd on Attached Sheet)

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
2-28-79	Pumping - Hydraulic Pump	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	---		246	129	31	524:1

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
---	---		246	129	31	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 4-11-79

INSTRUCTIONS

This form is to be filed with the appropri District Office of the Commission not later than days after the completion of any newly-drilled or deepened well. It shall be accompanied by e copy of all electrical and radio-activity logs ru 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	5938'	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 6204' to 6214' 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. Water flow @ 1803' ARO 15 BPH

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	822	822	Surface, caliche rock				
822	1742	920	Sd, Red Bed				
1742	1983	241	Lime				
1983	2100	117	Lime & Anhydrite				
2100	3500	1400	Lime & Shale				
3500	3804	304	Lime				
3804	4100	296	Lime & Shale				
4100	6304	2204	Lime				