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Form C-105
Revised 11-1-58

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

RECEIVED
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O. C. C.
ARTESIA, OFFICE

5a. Indicate Type of Lease: State [X] Fee [ ]
5. State Oil & Gas Lease No.: 647-368, 647-363, 647-320

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

7. Unit Agreement Name: Empire Abo Pressure Maintenance Project
8. Farm or Lease Name: Empire Abo Unit "F"
9. Well No.: 383
10. Field and Pool, or Wildcat: Empire Abo

2. Name of Operator: ARCO Oil and GAS COMPANY ✓ Division of Atlantic Richfield Company
3. Address of Operator: Box 1710, Hobbs, New Mexico 88240
4. Location of Well: UNIT LETTER F LOCATED 1600 FEET FROM THE North LINE AND 2350 FEET FROM THE West LINE OF SEC. 35 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
2/9/79	2/24/79	3/4/79	3678.4' GR	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
6300'	6250'		→	0-6300'	

24. Producing Interval(s), of this completion — Top, Bottom, Name: 6188-6200' Abo Reef
25. Was Directional Survey Made: No
26. Type Electric and Other Logs Run: DLL/RXO, CNL/FDC, GR Caliper & 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	795'	11"	330 sx	
5-1/2" OD	15.5# K-55	6300'	7-7/8"	1360 sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8" OD	6141'	6141'

31. Perforation Record (Interval, size and number): 6188'6200' 48- .50" holes = 4 JSPF

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6188-6200'	150 gals 15% HCL-NE-LST acid, 2000 ga
	10# gelled CaCl wtr, 2000 gal geiled
	LC, 1500 gal 15% HCL-LSTNE acid,
	flushed w/24 BLO.

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
3/4/79	Pumping - hydraulic	Prod

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
4/9/79	24 hrs	-		118	88	106	746:1

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
-	Pkr		118	88	106	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 L. B. Lee TITLE Dist. Drlg. Supt. DATE 4/16/79

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 a 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 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	5948'	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 6188' to 6200' 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. Encountered water flow @

No. 2, from ..... to ..... feet. approx 2960' ARO 1 gal/min

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 rock, sd & red bed				
750	1235	485	Anhydrite				
1235	3590	2355	Lime				
3590	5875	2285	Lime & Shale				
5875	6300	425	Dolomite				