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Form C-105
Revised 11-1-68

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

RECEIVED

MAY 8 1979

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
B-2071-23	

1a. TYPE OF WELL	
OIL WELL ☒	GAS WELL ☐ DRY ☐ C.C.C. ☐
b. TYPE OF COMPLETION	
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 "F"

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

9. Well No.
363

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 <u>H</u>	LOCATED <u>2250</u> FEET FROM THE <u>North</u> LINE AND <u>1250</u> FEET FROM
THE <u>East</u> LINE OF SEC. <u>34</u> TWP. <u>17S</u> RGE. <u>28E</u>	THE <u>East</u> LINE OF SEC. <u>34</u> TWP. <u>17S</u> RGE. <u>28E</u>

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
4-5-79	4-20-79	4-29-79	3663.3' GR	

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

24. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
6220-6230' Abo Reed	No

26. Type Electric and Other Logs Run	27. Was Well Cored
CNL-FDC w/Caliper, DLL w/RXO & CBL	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"	365 SX	
5-1/2" OD	15.5# K-55	6348'	7-7/8"	1455 SX	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6185'	6185'

31. Perforation Record (Interval, size and number) 6220-6230' -(2 JSPF = 20-.48" holes)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6220-6230'	150 gals 15% HCL-LSTNE-FE acid,
		1000 gals CaCl wtr, 1000 gals LC, 1500 gals 15% HCL-LSTNE-FE acid, flushed w/25 BLC.

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
4-29-79		Flowing				Prod.	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
5-2-79	24	48/64"		576	264	0	458:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
75#	Pkr		576	264	0	44°	

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 & 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 <u>[Signature]</u>	TITLE <u>Dist. Drlg. Supt.</u>	DATE <u>5-4-79</u>
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INSTRUCTIONS

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 a copy of all electrical and radio-activity logs run in the well and a summary of all spectral 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" _____
T. 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 _____	T. Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 5812'	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 _____ 6220' _____ to _____ 6230' _____	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 @ 750' ARO
No. 2, from _____ to _____ feet.	12 BPM.
No. 3, from _____ to _____ feet.	Water flow @ approx
No. 4, from _____ to _____ feet.	3400' ARO 6-1/4gal/min.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	750	750	Surf, caliche, sand, red bed				
750	1012	262	Red Bed & Anhydrite				
1012	1456	444	Anhydrite				
1456	3507	2051	Anhydrite & Lime				
3507	5546	2039	Lime, Shale				
5546	6350	804	Lime, Dolomite				