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Form C-105
Revised 11-1-78

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

1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☒ **O.C.C.**

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☒ **ARTESIA, OFFICE**

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project

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

9. Well No.
373

10. Field and Pool, or Wildcat
Empire Abo

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 **E** LOCATED **1820** FEET FROM THE **North** LINE AND **150** FEET FROM

THE **West** LINE OF SEC. **35** TWP. **17S** RGE. **28E** NMPM

12. County
Eddy

15. Date Spudded **2-26-79** 16. Date T.D. Reached **3-11-79** 17. Date Compl. (Ready to Prod.) **5-1-79** 18. Elevations (DF, RAB, RT, GR, etc.) **3679.3' GR**

19. Elev. Casinghead

20. Total Depth **6350'** 21. Plug Back T.D. **----** 22. If Multiple Compl., How Many

23. Intervals Drilled By **Rotary Tools** **0-6350'** Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
6234-6242' Abo Reef

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
GR-DLL w/RXO, GR CNL-FDC w/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	805'	11"	400 sx plus 3 yds R-M	
5-1/2" OD	15.5# K-55	6344'	7-7/8"	750 sx 1476	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8" OD	6123'	6116'

31. Perforation Record (Interval, size and number)
6234-6242' (2 JSPF = 16-.48" holes)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3004'	Sqz cmtd w/50 sx ClC, 4% gel,
1373-1403'	50 sx Cl C, 3# salt/sk, 2% CaCl
	Sqz cmtd w/350 sx RFC, 100 sx Cl
	C w/3# salt/sk, 2% CaCl, 50 sx

33. PRODUCTION
Date First Production **3-28-79** Production Method (Flowing, gas lift, pumping - Size and type pump) **Flowing** **50 sx Contg 4% gel**

Prod

Date of Test **5-3-79** Hours Tested **24** Choke Size **41/64"** Prod'n. For Test Period **151** Oil - Bbl. **153** Gas - MCF **0** Water - Bbl. **1013:1** Gas - Oil Ratio

Prod

Flow Tubing Press. **60#** Casing Pressure **Pkr** Calculated 24-Hour Rate **151** Oil - Bbl. **153** Gas - MCF **0** Water - Bbl. **440** Oil Gravity - API (Corr.)

Prod

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 **5-7-79**

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 in 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 a conventionally drilled well, 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. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 5878'	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 _____ 6234' _____ to _____ 6242' _____	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 _____ 1710 _____ feet.	ARO 14 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	805	805	Surface, Caliche, Sand, Red Bed				
805	1015	210	Red Bed, Shale				
1015	1418	403	Anhydrite, Shale				
1418	2706	1288	Anhydrite				
2706	3215	509	Anhydrite, Lime				
3215	5700	2485	Lime & Anhydrite				
5700	6350	650	Lime				