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

Form O-105
Revised 11-1-66

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MAY 23 1979

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
647-340, 647-351

1a. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

DRY ☐

OTHER

O.C.C.
ARTESIA, OFFICE

7. Unit Assignment Name
Empire Abo Pressure
Maintenance Project

8. Name of Lease Name

Empire Abo Unit "G"

9. Well No.

314

10. Field and Pool, or Wildcat
Empire Abo

b. TYPE OF COMPLETION

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☐

DIFF. RESVR. ☐

OTHER

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 J LOCATED 1450 FEET FROM THE South LINE AND 2000 FEET FROM

THE East LINE OF SEC. 33 TWP. 17S RGE. 28E NMPM

12. County

Eddy

15. Date Spudded 4/3/79 16. Date T.D. Reached 4/17/79 17. Date Compl. (Ready to Prod.) 5/10/79 18. Elevations (DF, RKB, RT, GR, etc.) 3661.7' GR 19. Elev. Casinghead

20. Total Depth 6370' 21. Plug Back T.D. 6199' 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Tools Cable Tools 0-6370'

24. Producing Interval(s), of this completion - Top, Bottom, Name 6158-6178' Abo Reef 25. Was Directional Survey Made No

26. Type Electric and Other Logs Run GR-DLL w/RXO, GR-CNL-FDC w/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	763'	11"	850 sx	
5-1/2" OD	15.5# K-55	6369'	7-7/8"	1545 sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6135'	6135'

31. Perforation Record (Interval, size and number)

6158-6178' (2 JSPF - 40 .48" holes)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6224-6234'	150 gal 15% LSTNE-FE, 1500 gals 10# CaCl wtr, 1500 gal 15% LSTNE-FE acid, flushed w/24 BLC.
	(cont'd on attached sheet)

33. PRODUCTION

Date First Production 5/1/79	Production Method (Flowing, gas lift, pumping - Size and type pump) flwg	Well Status (Prod. or Shut-in) Prod
Date of Test 5/13/79	Hours Tested 24	Check Size 48/64"
Flow Tubing Press. 75#	Casing Pressure Pkr	Calculated 24-Hour Rate 252
		Oil - Bbl. 252
		Gas - MCF 167
		Water - Bbl. 2
		Oil Gravity - API (Corr.) 41°

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, DST & 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 5/15/79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 _____ after the completion of any newly-drilled or deepened well. It shall be accompanied by one 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 Qtzite _____
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 _____ 5784'	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 _____ 6158' _____ to _____ 6178' _____	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	763	763	Surface, Caliche rock				
763	1016	253	Sand & Red Bed				
1016	2015	999	Anhydrite & Shale				
2015	4016	2001	Anhydrite & Lime				
4016	5710	1694	Lime, Shale				
5710	6370	660	Lime				