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Form C-105
Revised 11-1-78

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

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APR 18 1979

Bui. of Mines 1

1. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
2. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
E-7116

3. Name of Operator
ARCO Oil and Gas Company
Division of Atlantic Richfield Company
3. Address of Operator
Box 1710, Hobbs, New Mexico 88240

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project
8. Farm or Lease Name
Empire Abo Unit "F"

4. Location of Well
UNIT LETTER G LOCATED 1850 FEET FROM THE North LINE AND 2550 FEET FROM THE East LINE OF SEC. 34 TWP. 17S RGE. 28E

9. Well No.
354
10. Field and Pool, or Wildcat
Empire Abo

15. Date Spudded 3/16/79 16. Date T.D. Reached 3/29/79 17. Date Compl. (Ready to Prod.) 4/8/79 18. Elevations (D.F., RKB, RT, GR, etc.) 3666.9' GR 19. Elev. Casinghead
20. Total Depth 6350' 21. Plug back T.D. 6346' 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
6198-6208' Abo Reef
25. Was Directional Survey Made No
26. Type Electric and Other Logs Run DLL w/RXO, GR, CNL-FDC, CBL 27. Was Well Cored No

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"	325 sx	
5-1/2" OD	15.5# K-55	6350'	7-7/8"	1525 sx	

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6119'	6119'

28. Perforation Holes (Interval, size and number)
6198-6208' (20 - .56" holes) 2 JSPF
29. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL 6198-6208' AMOUNT AND KIND MATERIAL USED 150 gal 15% HCL-LSTNE-FE, 1000 gal 10# gel CaCl wtr, 1000 gal gel LC, 1500 gal 15% HCL-LSTNE-FE, flushed w/20 BLC.

30. PRODUCTION
Date First Production 4/8/79 Production Method (Flowing, gas lift, pumping - Size and type pump) Flwg Well Status (Prod. or Shut-in) Prod SI
Date of Test 4/9/79 Hours Tested 24 Choke Size 48/64" Pressure Per Test Period 483 Gas - MCF 246 Water - Bbl. 0 Gas - Oil Ratio 509:1
Flow tubing Press. 100# Casing Pressure Pkr Calculated 14-Hour Rate 483 Gas - MCF 246 Water - Bbl. 0 Oil Gravity - API (Corr.) 44°

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold
Test Witnessed By N. H. Truitt 4-20-79 SI

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

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 special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of an abnormally 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.**

Southeastern New Mexico

T. Anhy _____	T. Canyon _____
T. Salt _____	T. Strawn _____
B. Salt _____	T. Atoka _____
T. Yates _____	T. Miss _____
T. 7 Rivers _____	T. Devonian _____
T. Queen _____	T. Silurian _____
T. Grayburg _____	T. Montoya _____
T. San Andres _____	T. Simpson _____
T. Glorieta _____	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinberry _____	T. Gr. Wash _____
T. Tubb _____	T. Granite _____
T. Drinkard _____	T. Delaware Sand _____
T. Abo _____ 5778'	T. Bone Springs _____
T. Wolfcamp _____	T. _____
T. Penn. _____	T. _____
T. Cisco (Bough C) _____	T. _____

Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Qtzte _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn. "A" _____	T. _____

No. 1, from 6198' to 6208' No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to No. 6, from to

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	@ 2047' ARO 114 BPD
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				
750	1250	500	Sand & Red Bed				
1250	1675	425	Lime & Shale				
1675	2178	503	Lime & Anhy				
2178	6350	4172	Lime				