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

Form C-105
Revised 11-1-74

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5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
E-7833

1. TYPE OF WELL
Base of Mines 1

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER APR 25 1979

2. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER O.G.C.

3. Name of Operator
ARCO Oil and Gas Company
Division of Atlantic Richfield Company

O.G.C.
ARTESIA, OFFICE

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project

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

9. Well No.
156

6. Address of Operator
Box 1710, Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat
Empire Abo

4. Location of Well
UNIT LETTER 0 LOCATED 600 FEET FROM THE South LINE AND 1330 FEET FROM

THE East LINE OF SEC. 2 TWP. 18S RGE. 27E

11. Field
Eddy

15. Date Spudded 2/1/79 16. Date T.D. Reached 2/15/79 17. Date Compl. (Ready to Prod.) 4/12/79 18. Elevations (D.F., RKB, RT, GR, etc.) 3574.8' GR 19. Elev. Casinghead

20. Total Depth 6225' 21. Plug Back T.D. 6181' 22. If Multiple Compl., How Many 23. Intervals Drilled by Rotary Tools 0-6225' Cable Tools

24. Producing Interval(s), at this completion - Top, Bottom, Name
6100-6116' Abo Reef 25. Was Directional Survey Made No

26. Type Electric and Other Logs Run
CRN, DLL, Micro SFL, Borehole CSL, CPL, CNFD & CBL 27. Was Well Cored Yes

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	1000'	11"	875 sx	
5-1/2" OD	15.5# K-55	6225'	7-7/8"	1210 sx	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2-3/8"	5992'	5986'

28. Perforation Details (Interval, size and number)		29. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
6110-6116' - 32 - .48" holes		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
		6100-6116'	150 gals 15% HCL-LSTNE-FE acid, 1500 gal CaCl wtr, 1500 gal LC, 1500 gal 15% HCL-LSTNE-FE acid, flushed w/LC

30. PRODUCTION							
31. Date First Production <u>2/28/79</u>		32. Production Method (Flowing, gas lift, pumping - Size and type pump) <u>Pumping</u>				33. Well Status (Prod. or Shut-in) <u>Prod S1</u>	
34. Date of Test <u>4/13/79</u>	35. Hours Tested <u>24</u>	36. Casing Size <u> </u>	37. Production Per Test Period <u> </u>	38. Oil - Bbl. <u>166</u>	39. Gas - MCF <u>153</u>	40. Water - Bbl. <u>6</u>	41. Gas-Oil Ratio <u>923:1</u>
42. Flow Turning From <u> </u>	43. Casing Pressure <u>Pkr</u>	44. Estimated 24-hour Rate <u> </u>	45. Oil - Bbl. <u>166</u>	46. Gas - MCF <u>153</u>	47. Water - Bbl. <u>6</u>	48. Oil Gravity - API (Corr.) <u>44°</u>	

4. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold Test Witnessed by N. H. Truitt

5. List of Attachments
Logs as listed in Item 26 above, Core Logs & Inclination Report

6. 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 4/20/79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than _____ days after the completion of any newly-drilled or deepened well. It shall be accompanied by _____ copy of all electrical and radio-activity logs run _____ 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. Fictured 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. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilte _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 5916'	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 _____ 6100' _____ to _____ 6116' _____	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	1000	1000	Surface, Caliche, Sd, red bed				
1000	4966	3966	Anhydrite				
4966	5415	449	Anhydrite & Lime				
5415	5706	291	Lime				
5706	5975	269	Lime & Dolomite				
5975	6156	181	Dolomite				
6156	6225	69	Lime & Dolomite				