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Form C-105
Revised 11-68

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

5a. Indicate Type of Lease	
Rate ☒	Fee ☐
5b. Lease No.	
647-368	647-320
647-363	

1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

7. Test Agency and Name

Empire Abo Pressure Maintenance Project

8. Name of Lease Unit

Empire Abo Unit "J"

2. Name of Operator

ARCO Oil and Gas Company

Division of Atlantic Richfield Company

AUG 23 1979

3. Address of Operator

Box 1710, Hobbs, New Mexico 88240

9. Well No.

235

4. Location of Well

UNIT LETTER G LOCATED 1750 FEET FROM THE North LINE AND 1600 FEET FROM

10. Field and Field, or Wildcat

Empire Abo

THE East LINE OF SEC. 6 TWP. 18S RGE. 28E

11. County

Eddy

15. Date Spudded 5/31/79

16. Date T.D. Reached 6/18/79

17. Date Compl. (Ready to Prod.) 7/11/79

18. Elevations (DF, RKB, RT, GR, etc.) 3672.9' GR

12. County

Eddy

20. Total Depth 6300'

21. Plug Back T.D. 6235'

22. If Multiple Compl., How Many

23. Intervals Drilled By 0-6300'

19. Elev. Casinghead

24. Producing Interval(s), of this completion - Top, Bottom, Name

6190-6207' Abo Reef

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

GR-Comp Neutron-Density, Dual Induction Laterolog & 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	750'	11"	800 sx plus 6 1/2 yds Redi-mix	
5 1/2" OD	15.5# K-55	6352'	7-7/8"	1580 sx	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8" OD	6142'

31. Perforation Record (Interval, size and number)

6190-6207' = 2 JSPF - 34 .47" holes

27. Was Well Cored

No

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

DEPTH INTERVAL

6264-6284' 1150 gal 15% HCL-LSTNE-FE acid, 24 bbls gelled oil, 24 bbls 15% HCL-LSTNE-FE acid w/radio-active mat'l, 24 BLO, 2000 gal LC, 3000 gal 15% HCL-LSTNE-FE acid, 24 BLO.

33. PRODUCTION

Date First Production 7/8/79

Production Method (Flowing, gas lift, pumping - Size and type pump) Flwg

Well Status (Prod. or Shut-in) Prod

Date of Test 8/14/79

Hours Tested 24

Choke Size 48/64"

Prod'n. Per Test Period 146

Oil - Bbl. 146

Gas - MCF 102

Water - Bbl. 0

Gas - Oil Ratio 699:1

Flow Tubing Press. 70#

Casing Pressure Pkr

Calculated 24-Hour Rate 146

Oil - Bbl. 146

Gas - MCF 102

Water - Bbl. 0

Oil Gravity - API (Corr.) 44°

30. TUBING RECORD

SIZE

DEPTH SET

PACKER SET

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

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

DEPTH INTERVAL

6264-6284' 1150 gal 15% HCL-LSTNE-FE acid, 24 bbls gelled oil, 24 bbls 15% HCL-LSTNE-FE acid w/radio-active mat'l, 24 BLO, 2000 gal LC, 3000 gal 15% HCL-LSTNE-FE acid, 24 BLO.

35. List of Attachments

Logs as listed in Item 26 above & Inclination Report

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Date First Production 7/8/79

Production Method (Flowing, gas lift, pumping - Size and type pump) Flwg

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Casing Pressure Pkr

Calculated 24-Hour Rate 146

Oil - Bbl. 146

Gas - MCF 102

Water - Bbl. 0

Oil Gravity - API (Corr.) 44°

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 8/22/79

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-filled 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 by this. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 33 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 1125.

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 Qizte
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. Todillo	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo 5727'	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 6190' to 6207'	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	750	750	Surface, Caliche, Sd, Red Bed				
750	858	108	Lime & Anhydrite				
858	1969	1111	Anhydrite				
1969	2100	131	Lime				
2100	3328	1228	Anhydrite				
3328	4219	891	Lime				
4219	4310	91	Anhydrite				
4310	4396	86	Anhydrite & Lime				
4396	6300	1904	Lime				