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Form C-105
Revised 11-1-68

RECEIVED
NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG
MAY 24 1979

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
647-349	647-351

Ben J. M...
1
a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. REVR. ☐ 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

7. Test Agreement Name
Empire Abo Pressure Maintenance Project
8. Term or Lease Name
Empire Abo Unit "G"
9. Well No.
291

UNIT LETTER L LOCATED 2000 FEET FROM THE South LINE AND 1200 FEET FROM

10. Field and Pool, or Wildcat
Empire Abo

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

11. County
Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
4/21/79	5/5/79	5/17/79	3665.7' GR	
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools
6250'	-		→	0-6250'

24. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
6173-6193' Abo Reef	No

26. Type Electric and Other Logs Run	27. Was Well Cored
GR-DLL w/RXO, GR-CNL/FDC w/caliper & CBL	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	768'	11'	744 sx	
5-1/2" OD	15.5# K-55	6250'	7-7/8"	1452 sx	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6156'	6156'

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
6173-6193' - 2 JSPF - 40 .48" holes	DEPTH INTERVAL
	AMOUNT AND KIND MATERIAL USED
	6173-6193' 150 gal 15%HCL-LSTNE-FE acid, 1000 gals
	10# gelled CaCl wtr, 1000 gal gelled LC.
	1000 gals 15% HCL-LSTNE-FE acid, flushed
	w/18 BLC.

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
5/17/79		Flwg				Prod	
Date of Test	Hours Tested	Choke Size	Prodn. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
5/20/79	24 hrs	48/64"	→	130	108	0	831:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
60#	Pkr	→	130	108	0	44°	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
Sold	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 *John Lee* TITLE Dist. DRlg. Supt. DATE 5/23/79

INSTRUCTIONS

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 one copy of all electrical and radioactivity 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 20 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 1155.

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 Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 5746'	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 _____ 6173' _____ to _____ 6193' _____	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	768	768	Surface, caliche, sd & red bed				
768	1215	447	Red bed, anhydrite, shale				
1215	3561	2346	Anhydrite				
3561	4250	689	Anhydrite, Lime				
4250	5570	1320	Lime, Anhydrite				
5570	6250	680	Lime				