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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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5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
E-7833

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐
2. Name of Operator
ARCO Oil & Gas Company
Division of Atlantic Richfield Company
3. Address of Operator
P. O. Box 1710, Hobbs, New Mexico 88240

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project
8. Farm or Lease Name
Empire Abo Unit "L"
9. Well No.
155
10. Field and Pool, or Wildcat
Empire Abo

4. Location of Well
UNIT LETTER 0 LOCATED 1040 FEET FROM THE South LINE AND 2025 FEET FROM
THE East LINE OF SEC. 2 TWP. 18S RGE. 27E NMPM

12. County
Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	19. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
3-30-79	4-13-79	5-1-79	3552.7' GR	
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools
6202'	6147'			Cable Tools
24. Producing Interval(s), of this completion - Top, Bottom, Name				25. Was Directional Survey Made
6064-6074' Abo Reef				No
26. Type Electric and Other Logs Run				27. Was Well Cored
CNFD, DLL-Micro SFL, Cyberlook, CBL				No

28. CASING RECORD (Report all strings set in well)				
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD
8-5/8" OD	24# K-55	1000'	11"	700 sx plus 4-1/2 yd R-M
5-1/2" OD	15.5# K-55	6202'	7-7/8"	1200

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6074'	5975'

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
6064-6074' (2 JSPF = 20-.48" holes)	DEPTH INTERVAL
	6064-6074'
	AMOUNT AND KIND MATERIAL USED
	150 gals 15% HCL-ISTNE acid,
	1500 gals 10# CaCl gel wtr,
	1500 gals IC, 15

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
4-26-79		Flowing				Prod	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
5-2-79	24	48/64"		270	246	0	911:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
80#	Pkr		270	246	0	44.9	

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 [Signature] TITLE Dist. Drlg. Supt. DATE 5-4-79

INSTRUCTIONS

This form is to be filled 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 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 filled 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 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 _____ 5760'	T. Boné 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 _____ 6064' to _____ 6074'	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	1000	250	Red Bed, Anhydrite				
1000	3810	2810	Anhydrite & Lime				
3810	4175	365	Anhydrite				
4175	4612	437	Anhydrite & Lime				
4612	5690	1078	Lime				
5690	6080	390	Lime & Dolomite				
6080	6202	122	Lime				

FIELD Empire Abo COUNTY Eddy OCC NUMBER _____
OPERATOR ARCO Oil & Gas Company ADDRESS P. O. Box 1710, Hobbs, New Mexico 88240
LEASE Empire Abo Unit L WELL NO. 155
SURVEY 1040' FSL & 2025' FEL 2-18S-27E

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
488	3/4
1000	1
1503	1 1/4
2000	1 1/2
2330	1 3/4
2833	1 3/4
3326	1 3/4
3823	2
4256	2
4444	2 1/4
4686	2
4928	3
5174	3 3/4
5433	4 1/2
5701	4 1/2
5919	4 1/4
6200	3 1/2

RECEIVED

MAY 8 1979

O. C. C.
ARTESIA, OFFICE

Certification of personal knowledge inclination data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: Walter Frederickson

Walter Frederickson
Vice President

Sworn and subscribed to before me the undersigned authority, on this the

27th day of April, 1979.

Margaret B. Anderson, Notary Public in and for Midland County, Texas.
Margaret B. Anderson