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Form C-105
Revised 11-68

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

MAY 24 1979

O. C. C.

ARTESIA, OFFICE

5a. Indicate Type of Lease	State ☒ Fee ☐
5. State Oil & Gas Lease No.	B-11538-7

1a. TYPE OF WELL		OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Joint Agreement, name Empire Abo Pressure Maintenance Project	
b. TYPE OF COMPLETION		NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESV. ☐ OTHER ☐		8. Name of Lease Name Empire Abo Unit "G"	
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company				9. Well No. 361	
3. Address of Operator Box 1710, Hobbs, New Mexico 88240				10. Field and Pool, or Wildcat Empire Abo	
4. Location of Well				11. County Eddy	
UNIT LETTER <u>I</u> LOCATED <u>2400</u> FEET FROM THE <u>South</u> LINE AND <u>300</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>34</u> TWP. <u>17S</u> RGE. <u>28E</u> NMPM					
15. Date Spudded 2/12/79		16. Date T.D. Reached 2/26/79		17. Date Compl. (Ready to Prod.) 3/27/79	
				18. Elevations (DF, RKB, RT, GR, etc.) 3670.5' GR	
20. Total Depth 6350'		21. Plug Back T.D. 6256'		22. If Multiple Compl., How Many	
				23. Intervals Drilled By Rotary Tools 0-6350'	
24. Producing Interval(s), of this completion - Top, Bottom, Name 6230-6240' Abo reef				25. Was Directional Survey Made No	
26. Type Electric and Other Logs Run GR-DLL w/RXO, GR-CNL/FDC w/caliper				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	800'	11"	420 SX	
5-1/2" OD	15.5# K-55	6350'	7-7/8"	1430 SX	
29. LINER RECORD			30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET
				2-3/8" OD	6107'
31. Perforation Record (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
6230-6240' = 2 JSPF - 20 .48" holes			DEPTH INTERVAL 6268-6288'		
			AMOUNT AND KIND MATERIAL USED 2000 gal gelled CaCl, 2000 gal gelled LC, 1500 gal 15% HCL-LSTNE-FE, LC		
			(cont'd on attached sheet)		
33. PRODUCTION					
Date First Production 3/21/79		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - hydraulic pump			Well Status (Prod. or Shut-in) Prod
Date of Test 5/17/79	Hours Tested 24	Choke Size -	Prod'n. Per Test Period 673	Oil - Bbl. 385	Gas - MCF 3
Flow Tubing Press.	Casing Pressure Pkr	Calculated 24-Hour Rate 673	Oil - Bbl. 385	Gas - MCF 3	Water - Bbl. 3
					Gas - Oil Ratio 572:1
					Oil Gravity - API (Corr.) 44°
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold					Test Witnessed By 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 <u>L. H. L.</u>		TITLE <u>Dist. Drlg. Supt.</u>		DATE <u>5/23/79</u>	

30-2-79
6-1-79
FIND AND PP

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 26 _____ after the completion of any newly-drilled 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 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" _____
D. 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 Qtzite _____
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. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 5960'	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 _____ 6230 _____ to _____ 6240' _____	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	800	800	Surface, caliche, sd, Red bed				
800	1500	700	Red Bed, Anhydrite				
1500	2701	1201	Anhydrite				
2701	3233	532	Anhydrite, Lime				
3233	4102	869	Lime, Anhydrite				
4102	5900	1798	Lime, Anhydrite, Shale				
5900	5950	50	Lime, Anhy				
5950	6350	400	Lime				

32. Acid, Shot, Fracture, Cement Squeeze, Etc.

<u>Depth Interval</u>	<u>Amount & Kind Material Used</u>
6268-6288'	75 sx LWL cmt & 50 sx C1 C w/2% CaCl
6230-6240'	150 gals 15% HCL-LSTNE-FE acid, 1500 gals gelled CaCl wtr, 1000 gals gelled LC, 1000 gals 15% HCL-LSTNE-FE acid & 18 BLC.

FIELD Empire Abo Unit COUNTY Ed. OCC NUMBER _____
OPERATOR Atlantic Richfield Company ADDRESS P. O. Box 1710, Hobbs, New Mexico 88240
LEASE Empire Abo Unit G WELL NO. 361
SURVEY 2400' FSL & 300' FEL, 34-17S-28E

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
409	1/2
800	3/4
1276	1
1746	1
2215	1
2718	1 1/4
3191	1 1/4
3694	1 1/2
3947	2 3/4
4447	2 1/2
4699	2 1/2
4887	3 1/2
5014	4
5108	3 3/4
5295	4 1/2
5482	4 3/4
5608	4 3/4
5734	5
5924	5
6112	4 3/4
6350	4 1/4

RECEIVED

MAY 24 1979

D. S. E.
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

24th day of March, 1979.

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