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Form C-105
Revised 11-1-8

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

O.C.C.
ARTESIA, OFFICE

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

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

7. Unit Agreement Name	
Empire Abo Pressure Maintenance Project	
8. Farm or Lease Name	
Empire Abo Unit "H"	

2. Name of Operator	
Atlantic Richfield Company	

9. Well No.	
293	

3. Address of Operator	
P. O. Box 1710, Hobbs, New Mexico 88240	

10. Field and Pool, or Wildcat	
Empire Abo	

4. Location of Well	
UNIT LETTER <u>M</u> LOCATED <u>1249</u> FEET FROM THE <u>South</u> LINE AND <u>50</u> FEET FROM	

11. County	
Eddy	

THE <u>West</u> LINE OF SEC. <u>33</u> TWP. <u>17S</u> RGE. <u>28E</u> NMPM	
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15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
3/16/77	3/31/77	4/12/77	3671.4' GL	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
6379'	-			0-6379'	

24. Producing Interval(s), of this completion - Top, Bottom, Name				25. Was Directional Survey Made
6132-6142' Abo Reef				No

26. Type Electric and Other Logs Run				27. Was Well Cored
CNL-FDC, DLL-RXO, GR-N, Sonic logs & GR Corr log				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	550'	11"	342 sx	
5-1/2" OD	15.5# K-55	6378'	7-7/8"	1241 sx	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6058'	6023'

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
6132-6142' 2 JSPF (20 - .48" holes)			
		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
		6132-6142'	250 gals 15% HCL-LSTNE-FE acid
		6132-6142'	1000 gals 15% HCL
		6132-6142'	3000 gals 15% HCL/xylylene 50:50

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
4/12/77		Flowing				Prod	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
4/23/77	24	48/64"		737	383	5	520:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
140#	Pkr		737	383	5	44° F	

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, DST & 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

TITLE Dist. Drlg. Supt.

DATE

4/28/77

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 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. Anyh	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
T. Salt	T. Aloka	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 Oizte
T. Gloreita	T. McKee	T. Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T. Morrison
T. Blinberry	T. Gr. Wash	T. Todillo	T. Entrada
T. Tubb	T. Granite	T. Bone Springs	T. Wingate
T. Drinkard	T. Delaware Sand	T. Chinle	T. Permian
T. Abo		T. Penn. "A"	
T. Wolfcamp			
T. Penn.			
T. Cisco (Bough C)			

OIL OR GAS SANDS OR ZONES

No. 1, from 6132 to 6142	No. 4, from	No. 2, from	No. 3, from

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from	None encountered	No. 2, from	No. 3, from	No. 4, from

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1004	1004	Surface, Red Beds				
1004	2200	1196	Lime				
2200	2500	300	Lime & Shale				
2500	3113	613	Lime				
3113	3200	87	Lime & Shale				
3200	5705	2505	Lime				
5705	5850	145	Dolomite & Lime				
5850	6214	364	Dolomite				
6214	6379	165	Dolomite & Lime				