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

Form C-105
Revised 11-1-78

FEB 28 1979

5a. Indicate Type of Lease	
State ☒	Fee ☐
5. State Oil & Gas Lease No.	
647-364	

1a. TYPE OF WELL		OIL WELL ☒		GAS WELL ☐		DRY ☐		C. C. C. ☐		ARTESIA. OFFICE ☐	
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 "F"

2. Name of Operator
Atlantic Richfield Company
3. Address of Operator
Box 1710, Hobbs, New Mexico 88240

9. Well No.
335
10. Field and Pool, or Wildcat
Empire Abo

4. Location of Well
UNIT LETTER <u>E</u> LOCATED <u>2250</u> FEET FROM THE <u>North</u> LINE AND <u>570</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>34</u> TWP. <u>17S</u> RGE. <u>28E</u> N.M.P.V. <u>Eddy</u>

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
1/27/79	2/10/79	2/19/79	3664.3' GR	
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	24. Was Directional Survey Made
6350'	6306'		Rotary Tools Cable Tools 0-6350'	No

24. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Well Cored
6210-6230' Abo Reef	No
26. Type Electric and Other Logs Run	
CPL, DLL-MFL, CN-FD, CBL	

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"	375 sx	
5-1/2" OD	15.5# K-55	6350'	7-7/8"	1320 SX	

LINER RECORD					TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6094'	6088'

28. Perforation, Interval, size and number	29. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				
6210-6230' = 40 - .40" holes (2 JSPF)	<table border="1"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>6210-6230'</td> <td>150 gal 15% HCL-LSTNE-FE, 1000 gal gel CaCl wtr, 1000 gal gel LC, 1500 gal 15% HCL-LSTNE-FE</td> </tr> </table>	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	6210-6230'	150 gal 15% HCL-LSTNE-FE, 1000 gal gel CaCl wtr, 1000 gal gel LC, 1500 gal 15% HCL-LSTNE-FE
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6210-6230'	150 gal 15% HCL-LSTNE-FE, 1000 gal gel CaCl wtr, 1000 gal gel LC, 1500 gal 15% HCL-LSTNE-FE				

PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
2/19/79		flwg				Prod	
Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
2/21/79	24 hrs	48/64		235	172	0	732:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
90#	Pkr		235	172	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 <u>[Signature]</u>	TITLE <u>Dist. Drlg. Supt.</u>	DATE <u>2/26/79</u>

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 10 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 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" _____
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 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 _____ 5780'	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 _____ 6210 _____ to _____ 6230 _____	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	235	235	Surface & Caliche Rock				
235	534	299	Red Bed, sd				
534	750	216	Red Bed, Lime				
750	3500	2750	Anhydrite, Lime				
3500	4180	680	Anhydrite				
4180	4321	141	Lime				
4321	4670	349	Anhydrite				
4670	5385	715	Lime				
5385	5642	257	Anhydrite				
5642	5755	113	Lime & Anhydrite				
5755	5940	185	Anhydrite & Lime & Shale				
5940	6074	134	Anhydrite				
6074	6218	144	Anhydrite & Lime				
6218	6316	98	Anhydrite, Lime & Shale				
6316	6350	34	Anhydrite, Lime				