

NO. OF COPIES RECEIVED	6
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	1
OPERATOR	

Form C-105
Revised 11-1-76

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

RECEIVED

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

1a. TYPE OF WELL Oil Well

b. TYPE OF COMPLETION
 NEW WELL ☒ WORK OVER ☐ DEEPEN ☐
 PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ARTESIA, OFFICE

7. Unit Agreement Name	Empire Abo Pressure Maintenance Project
8. Farm or Lease Name	Empire Abo Unit "F"
9. Well No.	341
10. Field and Pool, or Wildcat	Empire Abo

2. Name of Operator
Atlantic Richfield Company

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

4. Location of Well

UNIT LETTER F LOCATED 1326 FEET FROM THE North LINE AND 2593 FEET FROM

THE West LINE OF SEC. 34 TWP. 17S RGE. 28E NMPM

12. County	Eddy
13. Date Spudded	7/22/77
14. Date T.D. Reached	8/14/77
15. Date Compl. (Ready to Prod.)	8/22/77
16. Elevations (DF, RKB, RT, GR, etc.)	3673' GR
17. Elev. Casinghead	

20. Total Depth
6352'

21. Plug Back T.D.
6311'

22. If Multiple Compl., How Many

23. Intervals Drilled By
Rotary Tools
0-6352'

24. Producing Interval(s), of this completion - Top, Bottom, Name
6190-6210' Abo Reef

19. Elev. Casinghead	
25. Was Directional Survey Made	No
26. Type Electric and Other Logs Run	GR & Cal Neutron, CBL, GR-N, GR & DLL w/RXO & Caliper, CNL & FDC
27. Was Well Cored	No

26. Type Electric and Other Logs Run
GR & Cal Neutron, CBL, GR-N, GR & DLL w/RXO & Caliper, CNL & FDC

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#	750'	11"	295 sx	
5-1/2" OD	15.5 & 14#	6352'	7-7/8"	1900 sx	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8" OD	6106'
						6073'

31. Perforation Record (Interval, size and number)
6190-6210' = 2 JSPF w/40 - .44" holes

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6190-6210'	300 gal 15% HCL w/FE seq, 500 gal LC, 500 gal 10# CaCl, 2000 gal 60/40 15% HCL/xylene, flushed w/12 BLC.

33. PRODUCTION

Date First Production
8/22/77

Production Method (Flowing, gas lift, pumping - Size and type pump)
Flowing

Well Status (Prod. or Shut-in)
Prod.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
8/24/77	24	48/64"		640	348	0	544:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
120#	Pkr		640	348	0	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 N. H. Truitt TITLE Dist. Drlg. Supt. DATE 8/26/77

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 quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

T. Anyh	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kittland-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 Quartz
T. Glorieta	T. McKee	T. Wise Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T. Granite
T. Blinberry	T. Gr. Wash	T. Morrison	T. Granite
T. Tubb	T. Granite	T. Todillo	T. Granite
T. Drinkard	T. Delaware Sand	T. Entrada	T. Granite
T. Abo	T. Bone Springs	T. Wingate	T. Granite
T. Wolfcamp	T. Permian	T. Permian	T. Granite
T. Cisco (Bough C)	T. Permian	T. Penn. "A"	T. Granite

OIL OR GAS SANDS OR ZONES

No. 1, from	6190	to	6210' Abo	No. 4, from	to
No. 2, from	to	No. 5, from	to	No. 6, from	to
No. 3, from	to	No. 4, from	to	No. 5, 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	Encoltered water flow @
No. 2, from	to	feet	2167', 15 gals/min
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	350	350	Surface & Red Bed	5690	5730	40	Sand & Lime
350	550	200	Red Bed & Anhydrite	5730	5875	145	Lime
550	1000	450	Anhydrite & Salt	5875	6035	160	Dolomite
1000	1075	75	Anhydrite	6035	6352	317	Sand & Dolomite
1075	1255	180	Anhydrite & Gyp				
1255	1910	655	Lime				
1910	2110	200	Sand & Shale				
2110	2630	520	Lime				
2630	3850	1220	Dolomite				
3850	4100	250	Sand & Lime				
4100	4160	60	Dolomite				
4160	4260	100	Sand & Lime				
4260	4380	120	Dolomite				
4380	4500	120	Sand & Lime				
4500	4690	190	Dolomite				
4690	4730	40	Lime				
4730	5690	960	Dolomite				