

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

MAY 3 1976

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
B-11594-3

7. Unit Agreement Name

8. Farm or Lease Name
Empire Abo Unit "J"

9. Well No.
221

10. Field and Pool, or Wildcat
Empire Abo

12. County
Eddy

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

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

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 2713 FEET FROM THE West LINE AND 2610 FEET FROM

THE North LINE OF SEC. 6 TWP. 18S RGE. 28E NMPM

15. Date Spudded 3/29/76 16. Date T.D. Reached 4/13/76 17. Date Compl. (Ready to Prod.) 4/23/76 18. Elevations (DF, RKB, RT, GR, etc.) 3660.8' GR

20. Total Depth 6305' 21. Plug Back T.D. 6234' 22. If Multiple Compl., How Many 0-6305

24. Producing Interval(s), of this completion - Top, Bottom, Name
6146-6174' Abo Reef

26. Type Electric and Other Logs Run
Gamma Ray Neutron, Dual Laterolog-MSFL Log, Caliper Survey, CBL w/GR-CCL

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#	553'	11"	350 sx Circ to surf	
5-1/2" OD	14 & 15.5#	6300'	7-7/8"	1485 sx Circ to surf	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8" OD	6079	6043'

31. Perforation Record (Interval, size and number)
6146-6174' = .49" - 56 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6146-6174'	3200 gal 15% HCL-LSNE acid cont'g iron sequestrant & 3200 gal 15% HCL/xylene mixture 50/50 ratio

33. PRODUCTION

Date First Production 4/23/76 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Prod

Date of Test 4/28/76 Hours Tested 24 Choke Size 48/64" Prod'n. For Test Period 690 Oil - Bbl. 690 Gas - MCF 312 Water - Bbl. 1 Gas - Oil Ratio 452:1

Flow Tubing Press. 125# Casing Pressure Pkr Calculated 24-Hour Rate 690 Oil - Bbl. 690 Gas - MCF 312 Water - Bbl. 1 Oil Gravity - API (Corr.) 43.5

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
Sold Test Witnessed By N. H. Truitt

35. List of Attachments
See Item 26 above for logs. Deviation Survey

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. Supv.

DATE 4/29/76

INSTRUCTIONS

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

Southeastern New Mexico

Northwestern New Mexico

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

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	470	470	Red Bed & Anhydrite				
470	960	960	Anhydrite				
960	2045	1085	Anhydrite & Lime				
2045	2180	135	Anhydrite, Lime & Shale				
2180	2550	370	Lime & Anhydrite				
2550	3830	1280	Lime				
3830	4035	205	Lime & Anhydrite				
4035	4451	416	Shale				
4451	4702	251	Lime & Shale				
4702	4815	113	Shale				
4815	4973	158	Lime & Shale				
4973	5096	123	Shale				
5096	5215	119	Shale & Lime				
5215	5265	50	Lime, Shale & Chert				
5265	5329	64	Shale				
5329	5472	143	Lime & Shale				
5472	5520	48	Shale				
5520	5895	375	Lime & Shale				
5895	6030	135	Shale				
6030	6081	51	Lime & Shale				
6081	6150	69	Lime & Chert				
6150	6236	86	Shale & Chert				
6236	6295	59	Lime, Shale & Chert				
6295	6305	10	Lime & Shale				
6305	6295		TD				