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

Form C-105
Revised 11-1-76

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MAY 10 1977

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

5a. Indicate Type of Lease
 State ☒ Fee ☐
 5. State Oil & Gas Lease No.
 B-11594-1

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

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

4. Location of Well
 UNIT LETTER **F** LOCATED **1350** FEET FROM THE **North** LINE AND **1572** FEET FROM
 THE **West** LINE OF SEC. **6** TWP. **18S** RGE. **28E** NMPM

9. Well No.
222
 10. Field and Pool, or Wildcat
Empire Abo

15. Date Spudded **2/17/77**
 16. Date P.D. Reached **3/8/77**
 17. Date Compl. (Ready to Prod.) **4/25/77**
 18. Elevations (DF, RKB, RT, GR, etc.) **3656.7' GL**

12. County
Eddy

20. Total Depth **6303'**
 21. Plug Back T.D. **6210'**
 22. If Multiple Compl., How Many
 23. Intervals Drilled By **0-6303'**
 Rotary Tools
 Cable Tools

19. Elev. Casinghead
 24. Producing Interval(s), of this completion — Top, Bottom, Name
6036-6052' Abo Reef

26. Type Electric and Other Logs Run
BHC, GRN, GR-DLL-RYO, CNL-FDC, CBL & TDT logs

25. Was Directional Survey Made
No
 27. Was Well Cored
Yes

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# F-55	555'	11"	275 sx & 6 yds Redi-mix	
5-1/2" OD	14 & 15.5# K-55	6293'	7-7/8"	1540 sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8" OD	5974'	5938'

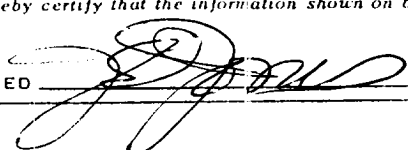
31. Perforation Record (Interval, size and number)
6036-6052' (2 JSPF = 32 - .44" holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
 DEPTH INTERVAL
6097-6117'
6097-6117'
 Stage #1
 AMOUNT AND KIND MATERIAL USED
1000 gals 15% HCL-NE acid
500 gals slick 2% KCL wtr w/15#
WG-11, 10 gals parasperse/1000
 (cont'd on attached Page #2)

33. PRODUCTION
 Date First Production **3/13/77**
 Production Method (Flowing, gas lift, pumping — Size and type pump)
Flowing
 Well Status (Prod. or Shut-in)
Prod
 Date of Test **5/3/77**
 Hours Tested **24**
 Choke Size
Pkr
 Production Per Test Period
192
 Oil — Bbl.
192
 Gas — MCF
314
 Water — Bbl.
0
 Gas — Oil Ratio
1635:1

Oil Gravity — API (Corr.)
44° F
 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, 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 **5/9/77**

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than _____ 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 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 Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 5572'	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 _____ 6036' _____ to _____ 6052' _____	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	555	555	Surface & Red Bed				
555	1490	935	Lime				
1490	1700	210	Lime & Sand				
1700	3790	2090	Lime				
3790	4025	235	Lime & Shale				
4025	4220	195	Lime				
4220	4320	100	Lime & Dolo				
4320	5015	695	Lime				
5015	5175	160	Lime & Dolo				
5175	5520	345	Dolomite				
5520	5660	140	Lime & Dolo				
5660	6303	643	Lime				