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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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JUL 26 1978

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

But. of Mines 1

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

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project
8. Form or Lease Name
Empire Abo Unit "F"
9. Well No.
321

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 <u>H</u> LOCATED <u>1610</u> FEET FROM THE <u>North</u> LINE AND <u>250</u> FEET FROM

10. Field and Pool, or Wildcat
Empire Abo

THE <u>East</u> LINE OF SEC. <u>33</u> TWP. <u>17S</u> RGE. <u>28E</u>
--

12. County
Eddy

15. Date Spudded
6/1/78

16. Date T.D. Reached
6/14/78

17. Date Compl. (Ready to Prod.)
7/2/78

18. Elevations (DF, RKB, RT, GR, etc.)
3674.3' GR

19. Elev. Casinghead

20. Total Depth
6210'

21. Plug Back T.D.
-

22. If Multiple Compl., How Many

23. Intervals Drilled By
Rotary Tools

Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
6158-6210' OH Abo Reef

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
CNL-FDC w/caliper, DLL-RX0, Sonic, VDL, PFC logs

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# K-55	739'	11"	370 sx	
5-1/2" OD	15.5# K-55	6158'	7-7/8"	1230 sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8" OD	6013'	6013'

31. Perforation Record (Interval, size and number)
6158-6210' OH

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6060-6066'	Squeezed w/150 sx Cl C cmt LWL followed by 75 sx Cl C cont'g 2% CaCl.

33. PRODUCTION

Date First Production
6/22/78

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

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

Date of Test
7/2/78

Hours Tested
24

Choke Size
48/64"

Prod'n. Per Test Period
246

Oil - Bbl.
246

Gas - MCF
207

Water - Bbl.
0

Gas - Oil Ratio
841:1

Flow Tubing Press.
75#

Casing Pressure
Pkr

Calculated 24-Hour Rate
246

Oil - Bbl.
246

Gas - MCF
207

Water - Bbl.
0

Oil Gravity - API (Corr.)
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 *John Knott*

TITLE Dist. Drlg. Supt.

DATE 7/25/78

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 full 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

Northwestern New Mexico

Southeastern New Mexico

T. Ahuy	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 Qizic
T. Glorieta	T. McKee	T. Pase Greenhorn	T. Granite
T. Paddock	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.

OIL OR GAS SANDS OR ZONES

No. 1, from 6158'	to 6210'	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	Had water flow @ 538', TSTM
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
0	739	739	Surface & Red Bed
739	816	77	Red Bed & Lime
816	1268	452	Lime & anhydrite
1268	5998	4730	Lime & Shale
5998	6210	212	Lime