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Form C-105
Revised 11-74

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.	B-2071
7. Unit Agreement Name	Empire Abo Pressure Maintenance Project
8. Form or Lease Name	Empire Abo Unit "G"
9. Well No.	332
10. Field and Pool, or Wildcat	Empire Abo
11. County	Eddy

1a. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

APR 12 1978

O.C.C.
ARTESIA, OFFICE

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 L LOCATED 1575 FEET FROM THE South LINE AND 660 FEET FROM THE West LINE OF SEC. 34 TWP. 17S RGE. 28E NMPN

15. Date Spudded 3/12/78	16. Date T.D. Reached 3/27/78	17. Date Compl. (Ready to Prod.) 4/5/78	18. Elevations (DF, RKB, RT, GR, etc.) 3658.4' GR	19. Elev. Casinghead
20. Total Depth 6216'	21. Plug Back T.D. 6200'	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools 0-6216'	Cable Tools

24. Producing Interval(s), of this completion — Top, Bottom, Name
6170-6186' Abo Reef

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
DLL w/RXO, CNL-FDC w/Caliper, GR-N, BHC-VD, CBL & Corr 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	750'	11"	455 sx	
5-1/2" OD	15.5# K-55	6216'	7-7/8"	1225 sx	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6089'	6054'

31. Perforation Record (Interval, size and number) 6170, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 6186' (32 - .43" holes)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6170-6186'	100 gal 15% NE-HCL acid & 300 gal 15% HCL acid, 500 gal 10# CaCl, 500 gal LC, 2000 gal 60/40 xylene/DAD acid, flushed w/18 BLC.

33. PRODUCTION							
Date First Production 4/5/78		Production Method (Flowing, gas lift, pumping — Size and type pump) Flowing				Well Status (Prod. or Shut-in) Prod	
Date of Test 4/6/78	Hours Tested 24 hrs	Choke Size 48/64"	Prod'n. For Test Period →	Oil — Bbl. 543	Gas — MCF 327	Water — Bbl. 1	Gas — Oil Ratio 602:1
Flow Tubing Press. 120#	Casing Pressure Pkr	Calculated 24-Hour Rate →	Oil — Bbl. 543	Gas — MCF 327	Water — Bbl. 1	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 [Signature] TITLE Dist. Drlg. Supt. DATE 4/10/78

Post
4-2-78
4-3-78
4-14-78
4-14-78

This form is to be filed with the appropriate District Office of the Commission not later than 30 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 term 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

Northwestern New Mexico Southeastern New Mexico

T. Albany	T. Canyon	T. Ojo Alamo	T. Penn. "43"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
T. 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. Gorteta	T. McKee	T. Phase Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T. Morrison
T. Blinberry	T. Gr. Wash	T. Granite	T. Todillo
T. Tubb	T. Delaware Sand	T. Entrada	T. Bone Springs
T. Drinkard	T. Abo	T. Wolfcamp	T. Penn.
T. Cisco (Bough C)	T. Penn.	T. Permian	T. Penn. "A"

OIL OR GAS SANDS OR ZONES

No. 1, from 6170' to 6186'	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 600' to 750'	Initial rate water flow
No. 2, from _____ to _____	3-4 BPM, decreased to 1 BPM
No. 3, from _____ to _____	@ 750'
No. 4, from _____ to _____	_____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness	Formation
0	750	750	Surface
750	1475	725	Anhydrite
1475	3640	2165	Dolomite
3640	4245	650	Dolomite & Chert
4245	4515	270	Dolomite
4515	5512	997	Dolomite & Chert
5512	6216	704	Dolomite

WELL NAME Abu COUNTY Eddy OCC NUMBER _____
OWNER Richfield Company ADDRESS P. O. Box 1710 Hobbs, NM 88400
WELL NO. G #332 SURVEY 1575' 1575' 1575' 1575'

RECORD OF INCLINATION

<u>(FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
500'	1
1255'	3/4
1720'	2 1/2
2228'	2 1/2
2591'	2 3/4
3178'	2 1/2
3649'	2 1/4
4153'	2 1/4
4401'	2 1/4
4894'	4 1/4
5240'	4 1/2
5367'	5
5462'	4 3/4
5558'	4 3/4
5717'	4 1/2
6133'	4 1/4

Continuation of personal knowledge Inclination Data:

I hereby certify that I have personally assembled the data and facts placed on this form, and such information given above is true and complete to the best of my knowledge.

HONDO DRILLING COMPANY

BY: [Signature]
Walter Fredrickson
Vice President

Witnessed and subscribed to before me the undersigned authority, on this the

9th day of April, 1970.

[Signature] Notary Public in and for McCluskey County, Texas.
[Signature]
[Signature]