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Form C-105
Revised 11-1-66

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

FEB 12 1979

5a. Indicate Type of Lease State ☒ Fee ☐
5. State Oil & Gas Lease No. 647
7. Unit Agreement Name Empire Abo Pressure Maintenance Project
8. Farm or Lease Name Empire Abo Unit "H"
9. Well No. 322
10. Field and Pool, or Wildcat Empire Abo
12. County Eddy

Barry Mines 1

1. TYPE OF WELL
ARTESIA, OFFICE

2. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

3. Name of Operator
Atlantic Richfield Company

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

5. Location of Well
UNIT LETTER P LOCATED 750 FEET FROM THE South LINE AND 1150 FEET FROM THE East LINE OF SEC. 33 TWP. 17S RGE. 28E NMPN

15. Date Spudded 3/28/78	16. Date T.D. Reached 4/12/78	17. Date Compl. (Ready to Prod.) 1/4/79	18. Elevations (DF, RKB, RT, GR, etc.) 3662.4' GR	19. Elev. Casinghead
20. Total Depth 6290'	21. Plug Back T.D. -6190	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools 0-6290'	Cable Tools
24. Producing Interval(s), of this completion - Top, Bottom, Name 6150-6160' Abo Reef				25. Was Directional Survey Made No
26. Type Electric and Other Logs Run DLL w/RXO, GR-N, GR CNL-FD w/Cal., Sonic VDL 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	600'	11"	255 sx	
5-1/2" OD	15.5# K-55	6262'	7-7/8"	1275 sx	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6085'	None

31. Perforation Record (Interval, size and number) 6150-6160' (20-.46" holes)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL 6262-6290' OH AMOUNT AND KIND MATERIAL USED 1000 gals 15% HCL-NE acid w/FE sequestrant, 3000 gals 15% HCL-NEFE Squeezed w/175 sx cmt
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33. PRODUCTION							
Date First Production 4/19/78		Production Method (Flowing, gas lift, pumping - Size and type pump) Pump - 2" x 1 1/2" x 18' rod type				Well Status (Prod. or Shut-in) Prod.	
Date of Test 2/5/79	Hours Tested 24	Choke Size --	Prod'n. For Test Period 9	Oil - Bbl. 2	Gas - MCF 18	Water - Bbl. 222:1	Gas - Oil Ratio
Flow Tubing Press. --	Casing Pressure --	Calculated 24-Hour Rate 9	Oil - Bbl. 2	Gas - MCF 18	Water - Bbl. 44°	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold	Test Witnessed By N. H. Truitt
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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 02/07/79

Posted & Indexed
ID 2-16-79
AMC

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 a 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 sectionally 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. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 6210'	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 _____ 6262' to _____ 6290' Abo _____	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	300	300	Surface	5910	6000	90	Lime
300	590	290	Red	6000	6290	290	Lime & Shale
590	875	285	Anhydrite				
875	1450	575	Anhydrite & Lime				
1450	1625	175	Anhydrite				
1625	3400	1775	Anhydrite & Lime				
3400	4675	1275	Lime				
4675	4770	95	Lime & Shale				
4770	5000	230	Shale				
5000	5076	76	Lime & Shale				
5076	5130	54	Lime				
5130	5910	780	Lime & Shale				

Empire Abo Unit "H" 322
Form C-105 (Continued)

Acid, Shot, Fracture, Cement Squeeze, etc.

<u>Depth Interval</u>	<u>Amount and Kind Material Used</u>
6214-6230'	300 gals 15% HCL, 500 gals 10# CaCl wtr, 500 gals LC, 2000 gals 60/40 acid/Xylene 1000 gals 10# CaCl wtr, 4000 gals 15% HCL-NE-FE acid, flushed w/24 bbls 2% KCL wtr.
6150-6160'	4000 gals 15% HCL LSTNE acid cont'g RA mat'l flushed w/18 BO.

FIELD Ward 1/2 COUNTY Eddy OCC NUMBER _____
 OPERATOR Atlantic Richfield Company ADDRESS P. O. Box 1710 Hobbs, NM 88240
 LEASE Ward 1/2 Unit H #322 WELL NO. 322 SURVEY 750' FSL & 1750' FSL
 DATE 12-17-78

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
500	1/2
600	3/4
1000	3/4
1501	3/4
2073	1
2574	3
3043	2 1/2
3553	2 1/4
4077	2 1/2
4571	1 1/4
4819	2
4913	1 1/2
5050	3
5240	3
5495	5
5740	5
6029	4 3/4
6248	4

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FEB 12 1979

O. C. C.
ARTESIAL OFFICE

Certification of personal knowledge Inclination Data:

I hereby certify that I have personally assembled the data and facts entered 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

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

30th day of April, 1978.

Margaret B. Anderson Notary Public in and for Midland County, Texas
 Margaret B. Anderson