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Form C-105  
Revised 11-74

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

JAN 12 1979

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
647-361

**O.C.C.**

1a. TYPE OF WELL  
ARTESIA, OFFICE  
OIL WELL  GAS WELL  DRY  OTHER

b. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER

7. Unit Agreement Name  
Empire Abo Pressure Maintenance Project

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

2. Name of Operator  
Atlantic Richfield Company ✓

3. Address of Operator  
Box 1710, Hobbs, New Mexico 88240

9. Well No.  
261

10. Field and Pool, or Wildcat  
Empire Abo

4. Location of Well  
UNIT LETTER C LOCATED 1914 FEET FROM THE West LINE AND 1080 FEET FROM  
THE North LINE OF SEC. 5 TWP. 18S RGE. 28E NMPM  
Eddy

15. Date Spudded 12/3/78 16. Date T.D. Reached 12/19/78 17. Date Compl. (Ready to Prod.) 1/6/79 18. Elevations (DF, RKB, RT, GR, etc.) 3659.8' GR 19. Elev. Casinghead

20. Total Depth 6350' 21. Plug Back T.D. 6293' 22. If Multiple Compl., How Many  
23. Intervals Drilled By Rotary Tools Cable Tools  
0-6350'

24. Producing interval(s), of this completion - Top, Bottom, Name  
6204-6174' thru sliding sleeves @ 6174-6196'. Abo Reef

25. Was Directional Survey Made  
Yes

26. Type Electric and Other Logs Run  
Comp Density & Comp Neutron, BHC-Acoustilog, DLL-ML, CBL

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	550'	11"	290 sx	
5-1/2" OD	15.5# K-55	6345'	7-7/8"	1325 sx	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6034'	6034'

30. TUBING RECORD

31. Perforation Record (Interval, size and number)

Abo interval 6204-6174' thru sliding sleeves 6174-6196'

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6204-6174'	250 gal 15% NELSTA, 2% KCL wtr.
6204-6174'	150 gal 15% NEHCLA, 1000 gal 10#CaCl wtr, 1000 gal gelled LC, 1500 gal 15% HCL-LSTNE, 18 BLO.

33. PRODUCTION

Date First Production 1/4/79 Production Method (Flowing, gas lift, pumping - Size and type pump) Flwg Well Status (Prod. or Shut-in) Prod

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
1/7/79	24 hrs	48/64"		91	46	0	505:1

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
75#	Pkr		91	46	0	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, Directional Survey & 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 1/11/79

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 a copy of all electrical and radioactivity 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 vertically 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. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 5964'	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.....6204'.....to.....6174'.....	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	467	467	Surface & Red Bed				
467	3270	2803	Anhydrite				
3270	4636	1366	Anhydrite & Shale				
4636	4846	210	Anhydrite				
4846	5551	705	Anhydrite, Shale, Lime				
5551	6130	579	Lime & Shale				
6130	6350	220	Lime				