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Form O-105
Revised 11-1-78

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.
E-7832

1a. TYPE OF WELL **Oil** ☒ GAS ☐ DRY ☐ OTHER ☐
MAY 18 1978

b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐
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 **A** LOCATED **620** FEET FROM THE **North** LINE AND **1200** FEET FROM

THE **East** LINE OF SEC. **34** TWP. **17S** RGE. **28E** NMPM
Eddy

15. Date Spudded **4/12/78** 16. Date T.D. Reached **4/30/78** 17. Date Compl. (Ready to Prod.) **5/10/78** 18. Elevations (DF, RKB, RT, GR, etc.) **3671.6' GR** 19. Elev. Casinghead

20. Total Depth **6236'** 21. Plug Back T.D. **-** 22. If Multiple Compl., How Many **-** 23. Intervals Drilled By **Rotary Tools** **0-6236'** Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
6169-6236' OH Abo Reef 25. Was Directional Survey Made **No**

26. Type Electric and Other Logs Run **GR-DLL w/RXO & Caliper, GR-N, GR-CNL, FDC w/Caliper** 27. Was Well Cored **Yes**
GR-Sonic, VDL logs

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULL
8-5/8" OD	24# K-55	750'	11"	600 sx plus 3 yds Redi-mix	
5-1/2" OD	15.5 # K-55	6169'	7-7/8"	1120 sx	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2-3/8" OD	6236'	6145'

31. Perforation Record (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Interval		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
Open hole 6169-6236'		6169-6236'	200 gals 15% NE-FE acid

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Producing or Shut-in)	
5-10-78		Flowing				Prod	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
5/13/78	24 hrs	48/64"		244	164	0	672:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
125#	Pkr		244	164	0	44°	

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

35. List of Attachments
Items as listed in Item 26 above, Core Analysis & 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 **5/17/78**

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project
8. Farm or Lease Name
Empire Abo Unit "E"
9. Well No.
361
10. Field and Pool, or Wildcat
Empire Abo Abo Reef
11. County
Eddy

Postcard back
5/19/78
AMOP

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 drill stem tests. All logs reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completion, items on through as 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. Anyh	T. Canyon	T. Ojo Alamo	T. Penn. "B"
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 Ortiz
T. Glorieta	T. McKee	T. Base 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	6169'	to	6236	No. 4, from	to
No. 2, from	to	No. 5, from	to	No. 6, from	to
No. 3, from	to	No. 1, from	to	No. 2, from	to
No. 4, from	to	No. 3, from	to	No. 5, from	to
No. 1, from	to	No. 2, from	to	No. 3, from	to
No. 2, from	to	No. 1, from	to	No. 4, from	to
No. 3, from	to	No. 2, from	to	No. 5, from	to
No. 4, from	to	No. 3, from	to	No. 6, from	to

Include data on rate of water inflow and elevation to which water rose in hole.

IMPORTANT WATER SANDS

Had water flow from 498'
gauged @ 4-1/4 BPH after
running & cmtg surf csg.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	750	750	Surface & Red Bed, Lime				
750	5960	5210	Lime				
5960	5981	21	Dolomite				
5981	6236	255	Lime				

FIELD Empire Abo COUNTY Eddy OCC NUMBER _____
OPERATOR Atlantic Richfield Company ADDRESS P. O. Box 1710, Hobbs, New Mexico 88240
LEASE Empire Abo Unit E #361 WELL NO. 361 SURVEY 620' FNL & 1200'
FEL 34-17-28

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
500	1/2
750	1
1035	1
1521	1/2
2020	3/4
2491	3/4
2680	3/4
3155	3/4
3626	1
4099	1
4570	3/4
4760	3/4
5200	1 1/4
5400	1 3/4
5584	2 1/4
5708	2 1/4
5899	2 1/4
6082	1 3/4
6250	1 3/4
	1

Certification 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: Walter Frederickson
Walter Frederickson
Vice President

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

12th day of May, 1978.

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