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Form C-105
Revised 11-1-66

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

RECEIVED

JUN 24 1977

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
647-368
647-320 647-363

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

B.C.C.
ARTESIA, OFFICE

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project
8. Farm or Lease Name
Empire Abo Unit "G"

2. Name of Operator
Atlantic Richfield Company
3. Address of Operator
P. O. Box 1710, Hobbs, New Mexico 88240

9. Well No.
351
10. Field and Pool, or Wildcat
Empire Abo

4. Location of Well
UNIT LETTER <u>J</u> LOCATED <u>1850</u> FEET FROM THE <u>South</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>34</u> TWP. <u>17S</u> RGE. <u>28E</u> NMPM

11. County
Eddy

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
5/13/77	5/28/77	6/13/77	3663.2' GR	

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
6365'	6311'			0-6365'	

24. Producing Interval(s), of this completion - Top, bottom, Name
6190-6200' Abo Reef

25. Was Directional Survey Made
No

26. Type Electric and Other Logs Run
GR-Corr, CBL, TDT, GR-DLLw/RXO & Caliper, CNL-FDC, GR-Cal Neutron, Sonic 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# J-55	600'	11"	240 sx	
5-1/2" OD	14 & 15.5# K-55	6365'	7-7/8"	1949 sx	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	6073'	6038'

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
6190-6200' 2 JSPF = 20 - .44" holes	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6190-6200'	300 gals 15% HCL-FE acid
		cont'g RA material

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
6/12/77		Flowing				Prod	
Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
6/14/77	24	36/64"		736	380	0	516:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
120#	Pkr		736	380	0	44°	

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

TITLE Dist. Drlg. Supt.

DATE 6/23/77

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 radioactivity 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 3a through 3d shall be reported for each zone. The form 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

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"
T. Salt	T. Alaka	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. Lignacito Ozzie
T. Glorieta	T. McKee	T. Base Greenhorn	T. Granite
T. Padlock	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	6190'	to	6200'	No. 4, from	to
No. 2, from	to	No. 5, from	to	No. 6, from	to
No. 3, from	to	No. 4, from	to	No. 5, 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.	Waterflow above 2186' ARO
No. 2, from	to	feet.	50-60 BPH & 45300' ARO
No. 3, from	to	feet.	30 BPH
No. 4, from	to	feet.	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation
0	515	515	Surface & Red Bed
515	600	85	Red Bed
600	1475	875	Anhydrite & Shale
1475	3640	2165	Dolomite & Chert
3640	4250	610	Dolomite
4250	4768	518	Dolomite & Chert
4768	5510	742	Dolomite
5510	6000	490	Lime & Dolomite
6000	6365	365	Lime
TD			

FIELD Empire Abo COUNTY Eddy OCC NUMBER _____
OPERATOR Atlantic Richfield Company ADDRESS P. O. Box 1710, Midland, Texas 88240
LEASE Empire Abo Unit G WELL NO. 351 SURVEY 1850' FEL & 1650' FEL, Sec. 34, T-17-S, R-28-E

RECORD OF INCLINATION

<u>DEPTH (FEET)</u>	<u>ANGLE OF INCLINATION (DEGREES)</u>
315'	1/2
600'	1/2
1,100'	3/4
1,602'	3/4
2,100'	2-1/4
2,186'	2-1/4
2,659'	2
3,155'	1-3/4
3,619'	1-1/2
3,977'	2-1/4
4,487'	2
4,735'	1-3/4
4,950'	2
5,230'	2-1/4
5,359'	3-1/4
5,576'	4-3/4
5,791'	5-1/4
5,901'	5-1/4
6,360'	4-3/4

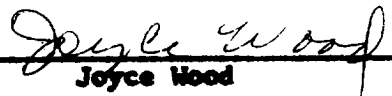
Certification of personal knowledge Inclination Data:

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
Vice President

Sworn and subscribed to before me the undersigned authority, on this the 6th
day of June, 1977.

 Notary Public in and for Midland County, Texas.
Joyce Wood

FIELD Empire Ave COUNTY Yaddy TOWN ALABAMA

OPERATOR Atlantic Electric Company ADDRESS P. O. Box 1111, Indian, Texas 83250

LEADS Empire Ave Unit 6, Unit 7, 321 SURVEY 18201 FOR A 100'x 100' Lot, Sec. 34, T-11-S, R-10-E

RECORD OF INCLINATION

DEPTH (FEET)	ANGLE OF INCLINATION (DEGREES)
312'	1/2
600'	1/2
1,100'	3/4
1,600'	3/4
2,100'	2-1/4
2,600'	2-1/4
3,100'	2
3,600'	1-3/4
4,100'	1-1/2
4,600'	2-1/4
5,100'	2
5,600'	1-1/4
6,100'	2
6,600'	2-1/4
7,100'	2-1/4
7,600'	2-1/4
8,100'	2-1/4
8,600'	2-1/4
9,100'	2-1/4
9,600'	2-3/4

Verification of personnel knowledge inclination based:

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

WORKER SIGNATURE

BY: _____
Vernon Richardson
Plant Foreman

I own and subscribed to data on the undersigned authority, on this the 6th

day of June 1977.

JOYCE WOOD _____
JOYCE WOOD _____
County, Texas