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Form C-105  
Revised 1-1-65

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

OCT 7 1975

5a. Indicate Type of Lease	State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	E-7116

1a. TYPE OF WELL	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>
b. TYPE OF COMPLETION	NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>

7. Unit Agreement Name	
8. Farm or Lease Name	Empire Abo Unit "F"
9. Well No.	351
10. Field and Pool, or Wildcat	Empire Abo

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	G	LOCATED	2250	FEET FROM THE	North	LINE AND	1650	FEET FROM	
THE	East	LINE OF SEC.	34	TWP.	T17S	RGE.	28E	NMPM	

12. County	Eddy
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15. Date Spudded	8/18/75	16. Date T.D. Reached	9/13/75	17. Date Compl. (Ready to Prod.)	9/24/75	18. Elevations (DF, RKB, RT, GR, etc.)	3661.3' GR	19. Elev. Casinghead	
20. Total Depth	6315'	21. Plug Back T.D.	6278'	22. If Multiple Compl., How Many		23. Intervals Drilled By	Rotary Tools	Cable Tools	
24. Producing Interval(s), of this completion - Top, Bottom, Name								25. Was Directional Survey Made	No
26. Type Electric and Other Logs Run								27. Was Well Cored	Yes

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#	1012'	11"	375 SX.	
5 1/2" OD	15.5#	6315'	7-7/8"	961 SX.	

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-3/8" OD	6148'
						6116' RKB

31. Perforation Record (Interval, size and number)	6215-6235' 2 JSPF (41 - .45" holes)	
	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6215-35'	6000 gals HCL-LSTNE acid

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
9/24/75		Flowing				Prod	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
9/24/75	23	36/64"		905	392	0	433:1
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
165#	Pkr		944	409	0	44.0°	

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

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	DATE
	Dist. Drlg. Supv.	10/1/75

# 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 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 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. Elinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____ 5798'	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. _____

### FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	459	459	Red Bed & Anhydrite				
459	659	200	Red bed, anhydrite, sand				
659	1338	679	Red Bed, anhydrite				
1338	1565	227	Red Bed, anhydrite, sand				
1565	1763	198	Anhydrite & sand				
1763	1950	187	Anhydrite				
1950	4397	2447	Anhydrite & Lime				
4397	4483	86	Lime & Dolomite				
4483	4670	187	Lime				
4670	5594	924	Lime & Dolomite				
5594	5636	42	Lime, Dolomite & Shale				
5636	5680	44	Lime & Dolomite				
5680	6083	403	Lime & Shale				
6083	6103	20	Lime, shale & Dolomite				
6103	6170	67	Lime & Dolomite				
6170	6200	30	Lime, shale & Dolomite				
6200	6300	100	Lime				
	TD						

# INCLINATION REPORT

OPERATOR Atlantic Richfield Company ADDRESS P. O. Box 1710, Hobbs, New Mexico 88240

LEASE Empire Abo Unit WELL NO. F-351 FIELD Empire Abo Field

LOCATION \_\_\_\_\_

Depth	Angle (Inclination 'degrees)	Displacement	Displacement Accumulated
469	1	8.2075	8.2075
920	1 1/2	11.8162	20.0237
1012	1 1/2	2.4104	22.4341
1150	3/4	1.8078	24.2419
1672	1	9.1350	33.3769
2170	1 1/2	13.0476	46.4245
2250	1 3/4	2.4400	48.8645
2733	2 1/4	18.9819	67.8464
2985	1 1/2	6.6024	74.4488
3480	1 1/2	12.9690	87.4178
3980	1 3/4	15.2500	102.6678
4394	2	14.4486	117.1164
4820	3 1/2	25.9860	143.1024
5295	4 1/4	35.1975	178.2999
5465	4 1/2	13.3450	191.6449
5650	4 1/2	14.5225	206.1674
6025	4 1/2	29.4375	235.6049
6300	4 1/4	20.3775	255.9824

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OCT 7 1975

O. C. C.  
ARTESIA, OFFICE

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

Cactus Drilling Company

By: Ken Hedrick  
Title: Drig. Supt.

## Affidavit:

Before me, the undersigned authority, appeared Ken Hedrick known to me to be the person whose name is subscribed herebelow, who, on making deposition, under oath states that he is acting for and in behalf of the operator of the well identified above, and that to the best of his knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

Ken Hedrick  
(Affiant's Signature)

Sworn and subscribed to in my presence on this the 6th day of \_\_\_\_\_

October 19 75

Maurel H. Verschueren  
Notary Public in and for the County  
of Lea, State of New Mexico

Seal

My Commission Expires 3-30-78