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Form C-105  
Revised 1-1-65

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

4. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
OG-4769

1. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

6. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER \_\_\_\_\_

7. Unit Agreement Name  
-

8. Farm or Lease Name  
Atlantic Richfield

2. Name of Operator  
Charles B. Read

3. Address of Operator  
P. O. Box 2126, Roswell, New Mexico 88201

9. Well No.  
2

10. Field and Pool, or Wildcat  
Quail Queen

4. Location of Well  
UNIT LETTER M LOCATED 660 FEET FROM THE South LINE AND 660 FEET FROM  
THE West LINE OF SEC. 13 TWP. 19S RGE. 34E NMPM

12. County  
Lea

15. Date Spudded 9/28/68 16. Date T.D. Reached 10/13/68 17. Date Compl. (Ready to Prod.) 2/7/69 18. Elevations (DF, RKB, RT, GR, etc.) 3868' GL 19. Elev. Casinghead -

20. Total Depth 5220' 21. Plug Back T.D. 5190' 22. If Multiple Compl., How Many - 23. Intervals Drilled By Rotary Tools 0-ID Cable Tools -

24. Producing Interval(s), of this completion - Top, Bottom, Name  
Dry Hole

25. Was Directional Survey Made  
No

26. Type Electric and Other Logs Run  
Welex - Acoustic/Velocity

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"	24#	421' RKB	11"	150 sx	None
4 1/2"	9.5#, 10.5#	5220' RKB	7 7/8"	350 sx	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
-	-	-	-	-
-	-	-	-	-

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
-	-	-
-	-	-

31. Perforation Record (Interval, size and number)  
2 SPF @ 4823', 4824', 4825', 4826', 4831', 4832', 4919', 4920', 4952', 4953', 5083', 5084', 5091.5', 5092.5', 5145' & 5146'

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5083-5146'	1000 gal, frac w/10,000 gal oil, 10,250# 20/40 sand
4919-4953'	1000 gal
4823-4953'	1000 gal, frac w/20,000 gal & 500 acid after 10 ball sealers (over)

33. PRODUCTION  
Date First Production \_\_\_\_\_ Production Method (Flowing, gas lift, pumping - Size and type pump) \_\_\_\_\_ Well Status (Prod. or Shut-in) 20,000# 20/40 sand, 10,000 gal & 500 acid after 10 ball sealers (over)

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

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

35. List of Attachments  
Electric logs & Diviation survey

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 Charles B. Read TITLE Agent DATE April 9, 1969

**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 <u>1792'</u>	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt <u>1970'</u>	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt <u>3267'</u>	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>3538'</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>4032'</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>4814'</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Greyburg <u>5082'</u>	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 _____	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'	1425'		Red Beds				Cont'd from Page 1:  Frac 4823-4832' w/40,000 gal water & 40,000# 20/40 sand, 4500# 12/20 glass beads
1425'	1800'		Red Beds & shale				
1800'	1970'		Anhy				
1970'	3270'		Salt & anhy				
3270'	3540'		Anhy				
3540'	4030'		Sand & anhy				
4030'	4400'		Dolo & anhy				
4400'	4820'		Anhy, red sand, dolo, anhy				
4820'	4880'		Red & grey sand				
4880'	5080'		Dolo, anhy & sand				
5080'	5220'		Sand & dolo				

INCLINATION REPORT

OPERATOR Charles P. Reed ADDRESS F. O. Box 212

LEASE Atlantic Richfield WELL NO. 2 FIELD Quail

LOCATION SW/4SE/4, Section 13-198-34E, Lea County, New Mexico

Depth	Angle Inclination (degrees)	Displacement	Displacement Accumulated
421'	1/4	1.8524	1.8524
920'	1/2	4.3413	6.1937
1420'	1/2	4.3500	10.5437
1700'	3/4	3.6680	14.2117
2200'	1	8.7500	22.9617
2700'	1-1/4	10.9000	33.8617
2990'	1-3/4	8.8450	42.7068
3400'	1-1/2	10.7420	53.4487
3679'	1	4.8825	58.3312
4018'	3/4	8.0958	66.4270
4260'	3/4	3.1702	69.5972
4500'	1	4.2000	73.7972
4700'	1	3.5000	77.2972
4863'	3/4	2.1353	79.4325
4963'	XXX 1	1.7500	81.1825
5137'	1	3.0450	84.2275
5220'	3/4	1.0873	85.3148

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

*Ronnie Ramsey*  
Title: Clerk

Affidavit:

Before me, the undersigned authority, appeared Ronnie Ramsey 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.

*Ronnie Ramsey*  
(Affiant's Signature)

Sworn and subscribed to in my presence on this the 22 day of Oct.  
19 68.

*Donald D. [Signature]*  
Notary Public in and for the County  
of Lea, State of New Mexico

Seal