

BEFORE EXAMINER STOGNER

CIL CONSERVATION DIVISION

OCD EXHIBIT NO. 4

CASE NO. 12946

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

Form C-105
Revised 1-1-65

DEC 14 AM 8 49 '67

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Keohane

9. Well No.
1

10. Field and Pool, or Wildcat
Skaggs-Grayburg

TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

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

Name of Operator
Wm. Barnhill

Address of Operator
P. O. Box 1354, Roswell, N.M. 88201

Location of Well

LETTER **N** LOCATED **660** FEET FROM THE **south** LINE AND **2310** FEET FROM

West LINE OF SEC. **6** TWP. **20-S** RGE. **38-E** NMPM

12. County
Lea

Date Spudded 9-10-67	16. Date T.D. Reached 10-8-67	17. Date Compl. (Ready to Prod.) 10-31-67	18. Elevations (DF, RKB, RT, GR, etc.) 3579' RKB	19. Elev. Casinghead 3568
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Total Depth 7450	21. Plug Back T.D. 6750	22. If Multiple Compl., How Many	23. Intervals Drilled By Rotary Tools 0-7450	Cable Tools
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Producing Interval(s), of this completion - Top, Bottom, Name
3940-4065 Grayburg

25. Was Directional Survey Made
yes

Type Electric and Other Logs Run
Gamma Ray - Sonic

27. Was Well Cored
no

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
3-5/8"	23#	1530'	12-1/4"	1000 sx - circ.	
3-1/2"	14, 15 & 17#	7089'	7-7/8"	1000 sx - top cmt @ 1600'	

LINER RECORD

30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-1/16"	3890'	3890'

Perforation Record (Interval, size and number)
One 3/8" hole/interval: 4065, 4057, 4046, 4036, 4024, 3996, 3965, 3950, 3944 & 3940

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6957-6836	1000 gals 15% MCA
	4000 gals 15% NE
6053-5811	4000 gals 15% NE
	20,000# sd & 15,000 gals

PRODUCTION treated water (cont'd on back)

First Production
10-29-67

Production Method (Flowing, gas lift, pumping - Size and type pump) **insert Pumping (2" x 1 1/2" x 12' Continental)** Well Status (Prod. or Shut-in) **Producing**

Date of Test 12-4-67	Hours Tested 24	Choke Size	Prod'n. For Test Period 5 BOPH	Oil - Bbl.	Gas - MCF TSTM	Water - Bbl. 0	Gas - Oil Ratio
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Flow Tubing Press. 750#	Casing Pressure	Calculated 24-Hour Rate 120	Oil - Bbl.	Gas - MCF TSTM	Water - Bbl. 0	Oil Gravity - API (Corr.) 39.1
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Disposition of Gas (Sold, used for fuel, vented, etc.)
Will be sold upon connection

Test Witnessed By
Wm. Barnhill and John Hendrix (Engr)

List of Attachments
Drillstem Test Record

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 *Wm. Barnhill* TITLE Owner DATE 12/11/67

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>1490</u>	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 <u>2760</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers <u>3010</u>	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen <u>3580</u>	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Marcos _____	T. McCracken _____
T. San Andres <u>4120</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>5365</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry <u>5890</u>	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>6410</u>	T. Granite _____	T. Todiffo _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>7037</u>	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	1530	1530	Red Beds, Anhydrite				
1530	2600	1070	Salt, Anhydrite				
2600	2900	300	Anhydrite, Red Beds				
2900	3900	1000	Anhydrite, Dolomite				
3900	4600	700	Dolomite				
4600	4900	300	Shaly Dolomite				
4900	5350	450	Limestone, Shaly Dol.				
5350	5850	500	Dolo, Sandstone				
5850	6350	500	Dolomite				
6350	6600	250	Sand, Dolomite				
6600	7450	850	Dolomite				
	7450		= Total Depth				
Acid Record Continued							
<u>Perfs</u>			<u>Treatment</u>				
4331-4164			2000 gals 15% NE w/12	RON balls			
4065-3940			4000 gals 15% NE				
			4000 gals 15% NE				
			20,000 (20-40) sand &	15,000 gals jelled treated water			