

BEFORE EXAMINER STOGNER

OIL CONSERVATION DIVISION

OCD EXHIBIT NO. 4

CASE NO. 12946

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AND OFFICE	
PERATOR	

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

Form C-105
Revised 1-1-65

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

TYPE OF WELL	
OIL WELL ☒	GAS WELL ☐
NEW WELL ☒	WORK OVER ☐
DEEPEN ☐	PLUG BACK ☐
DIFF. RESVR. ☐	OTHER ☐

7. Unit Agreement Name
8. Farm or Lease Name Keohane
9. Well No. 1
10. Field and Pool, or Wildcat Skaggs-Grayburg

Name of Operator Wm. Barnhill
Address of Operator P. O. Box 1354, Roswell, N.M. 88201
Location of Well

T. LETTER <u>N</u>	LOCATED <u>660</u> FEET FROM THE <u>south</u> LINE AND <u>2310</u> FEET FROM <u>west</u> LINE OF SEC. <u>6</u> TWP. <u>20-S</u> RGE. <u>38-E</u> NMPM
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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
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
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
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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.	
5-1/2"	14.15 & 17#	7089'	7-7/8"	1000 sx - top cmt @ 1600'	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	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
	6053-5811	4000 gals 15% NE
		20,000# sd & 15,000 gals

PRODUCTION							
1st Production 10-29-67	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping (2" x 1 1/2" x 12' Continental)			Well Status (Prod. or Shut-in) Producing		treated water (cont'd on back)	
Date of Test 12-4-67	Hours Tested 24	Choke Size	Prod'n. For Test Period 5 BOPH	Oil - Bbl. TSTM	Gas - MCF 0	Water - Bbl. 0	Gas - Oil Ratio
Flow Tubing Press. 750#	Casing Pressure	Calculated 24-Hour Rate 120	Oil - Bbl. TSTM	Gas - MCF 0	Water - Bbl. 0	Oil Gravity - API (Corr.) 39.1	

Disposition of Gas (Sold, used for fuel, vented, etc.) Will be sold upon connection	Test Witnessed By Wm. Barnhill and John Hendrix (Engr)
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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 <u>Wm. Barnhill</u>	TITLE <u>Owner</u>	DATE <u>12/11/67</u>

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	1490	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	2760	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	3010	T. Devonian	T. Menefee	T. Madison
T. Queen	3580	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg		T. Montoya	T. Mancos	T. McCracken
T. San Andres	4120	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta	5365	T. McKee	Base Greenhorn	T. Granite
T. Paddock		T. Ellenburger	T. Dakota	T.
T. Blinebry	5890	T. Gr. Wash	T. Morrison	T.
T. Tubb	6410	T. Granite	T. Todilto	T.
T. Drinkard		T. Delaware Sand	T. Entrada	T.
T. Abo	7037	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 Dolo.				
5350	5850	500	Dolo, Sandstone				
5850	6350	500	Dolomite				
6350	6600	250	Sand, Dolomite				
6600	7450	850	Dolomite				
	7450	= Total Depth					
<u>Acid Record Continued</u>							
<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				