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Form C-105  
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG  
MAY 20 9 16 AM '68

5a. Indicate Type of Lease  
State  Fee   
5. State Oil & Gas Lease No.  
B-1113

1a. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
b. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER \_\_\_\_\_  
2. Name of Operator  
Marathon Oil Company  
3. Address of Operator  
P. O. Box 220, Hobbs, New Mexico 88240

7. Unit Agreement Name  
-----  
8. Farm or Lease Name  
Warn State A/C 2  
9. Well No.  
16  
10. Field and Pool, or Wildcat  
Vacuum Grayburg San Andres

4. Location of Well  
UNIT LETTER N LOCATED 1650 FEET FROM THE West LINE AND 990 FEET FROM  
THE South LINE OF SEC. 6 TWP. 18-S R. 35-E LEA  
12. County  
Lea

15. Date Spudded 3-11-68  
16. Date T.D. Reached 3-23-68  
17. Date Compl. (Ready to Prod.) 4-3-68  
18. Elevations (DF, RKB, RT, GR, etc.) KDB 3988'  
19. Elev. Casinghead 3977'

20. Total Depth 4820'  
21. Plug Back T.D. 4730'  
22. If Multiple Compl., How Many ---  
23. Intervals Drilled By  
Rotary Tools All  
Cable Tools ---

24. Producing interval(s), of this completion -- Top, Bottom, Name  
4521-4711' Grayburg San Andres  
25. Was Directional Survey Made  
Yes

26. Type Electric and Other Logs Run  
Compensated Formation Density; Microlaterolog;  
Laterolog; Sidewall Neutron Porosity Log.  
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#	1497.66'	12-1/4"	815 sacks (Circ.)	
5-1/2"	17#	4815.99'	7-7/8"	1400 sacks (Circ.)	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	4742'	---

31. Perforation Record (Interval, size and number)  
4521, 4530, 4540, 4551, 4609, 4622, 4634, 4686, 4690, 4698 and 4711'.  
Perf. with 3 JSPF

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4723-4753	Sq. w/50 sxs Class "H" cement
4521-4711	2200 gals. 15% NE acid
4521-4711	Frac w/20,000 gal. ref. oil & 20,000# sand

33. PRODUCTION

Date First Production 4-3-68  
Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - Pump size 2" x 1 1/4" x 12' x 16' RWBC  
Well Status (Prod. or Shut-in) Producing

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas-Oil Ratio
4-25-68	11	15/64"		63.46	28.9	6.90	456:1

Flow Tubing Pres.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
---	---		138.46	63.05	15.05	37.5

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

35. List of Attachments  
Electric logs as listed in No. 26 above.

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 C. S. Hill TITLE Area Supt. DATE 5-16-68

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or reopened well. It shall be accompanied by one copy of all electrical and radi-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 33 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. Ateka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____ 2867'	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 _____ 4500'	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	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	1501	1501	Red Bed				
1501	2480	979	Red Bed, Anhyrite				
2480	3268	788	Salt, Lime, Anhyrite				
3268	3659	391	Anhyrite, Gyp				
3659	4174	515	Anhyrite				
4174	4339	165	Lime, Anhyrite, Gyp				
4339	4456	117	Anhyrite, Lime				
4456	4820	364	Dolomite				