

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-31187
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. VB-03934

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER _____		7. Lease Name or Unit Agreement Name Buffalo Wallow "1" State	
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESVR ☐ OTHER _____		8. Well No. 1	
2. Name of Operator Marathon Oil Company		9. Pool name or Wildcat Wildcat	
3. Address of Operator P.O. Box 552, Midland, TX 79702			
4. Well Location Unit Letter <u>F</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>1980</u> Feet From The <u>West</u> Line Section <u>1</u> Township <u>18-S</u> Range <u>35-E</u> NMPM Lea County			
10. Date Spudded 4/21/91	11. Date T.D. Reached 6/16/91	12. Date Compl. (Ready to Prod.) Temp. abandoned	13. Elevations (DF & RKB, RT, GR, etc.) 3887 GR
14. Elev. Casinghead 3887' GR	15. Total Depth 13000'	16. Plug Back T.D. 8195'	17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools All Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name None - Well temporarily abandoned			20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run GR/DLL/MSFL, GR/CNL/LDT, LSS/GR/CAL			22. Was Well Cored Yes - sidewall

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	460'	17 1/2"	540sx Calss C+2% CaCl ₂	
				circ. 63sx to pit	
8 5/8"	32# & 24#	3800'	12 1/4"	1500sx "C" poz +7%	
				NaCl&250sx Class C	
				circ. 325sx to pit	
SEE ATTACHMENT I					

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					N/A		

26. Perforation record (interval, size, and number) 10116'-10140', 4" shot, 50 holes 9860'-9864', 4" shot, 20 holes 9445'-9450', 4" shot, 24 holes 8342'-8348', 4" shot, 28 holes				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 12630'-12861' 50sx Class "H" plug 11069'-11365' 100 sx Class "H" plug SEE ATTACHMENT I			
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PRODUCTION

28. Date First Production N/A		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
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.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.)						Test Witnessed By	

30. List Attachments
Attachment I - Casing Record & Acid Shot Fracture, Cement Squeeze, etc

31. 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

Signature Carl A. Bagwell Printed Name Carl Bagwell Title Eng. Tech. Date 8/23/91

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 25 through 29 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 Otzte _____
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. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....
 No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
3230'			Yates				
4270'			Queen				
5170'			San Andres				
5705'			Delaware Sand				
8477'			Bone Spring 2nd Sand				
9149'			Bone Spring 3rd Sand				
9737'			Bone Spring 3rd Sand				
9990'			Wolfcamp				