

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. LC-064194																															
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																															
2. NAME OF OPERATOR Marathon Oil Company		7. UNIT AGREEMENT NAME																															
3. ADDRESS OF OPERATOR P.O. Box 552, Midland, TX 79702		8. FARM OR LEASE NAME Matador "5" Federal																															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FSL & 710' FWL At top prod. interval reported below 1980' FSL & 710' FWL At total depth 1980' FSL & 710' FWL		9. WELL NO. 1																															
14. PERMIT NO. 30-025-31056		DATE ISSUED 10/29/90																															
15. DATE SPUDDED 12/22/90		16. DATE T.D. REACHED 2/10/91																															
17. DATE COMPL. (Ready to prod.) 6/3/91		18. ELEVATIONS (DF. RKB. RT. GE. ETC.)* 3617' GR																															
19. ELEV. CASINGHEAD 3617' GR		12. COUNTY OR PARISH Lea																															
20. TOTAL DEPTH, MD & TVD 13660'		13. STATE NM																															
21. PLUG BACK T.D., MD & TVD 10100'		22. IF MULTIPLE COMPL. HOW MANY*																															
23. INTERVALS DRILLED BY All		ROTARY TOOLS CABLE TOOLS																															
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 9424'-9464' Bone Spring		25. WAS DIRECTIONAL SURVEY MADE Yes																															
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/CNL-FDC, CET, CBT, GR, CCL		27. WAS WELL CORED No																															
28. CASING RECORD (Report all strings set in well)																																	
<table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>13 3/8"</td><td>48#</td><td>433'</td><td>17 1/2"</td><td>395sx Premier Plus+2% CaCl₂</td><td>+1/4#/sx</td></tr><tr><td>8 5/8"</td><td>32#</td><td>5158'</td><td>12 1/4"</td><td>Floceal + Pea gravel behind casing</td><td></td></tr><tr><td colspan="4">(see attachment)</td><td>400sx Lite+1% CaCl₂+200sx Class "H"+</td><td></td></tr><tr><td colspan="4"></td><td>2350sx Lite+200 sx Class "H"+173sx thru</td><td></td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	13 3/8"	48#	433'	17 1/2"	395sx Premier Plus+2% CaCl ₂	+1/4#/sx	8 5/8"	32#	5158'	12 1/4"	Floceal + Pea gravel behind casing		(see attachment)				400sx Lite+1% CaCl ₂ +200sx Class "H"+						2350sx Lite+200 sx Class "H"+173sx thru	
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED																												
13 3/8"	48#	433'	17 1/2"	395sx Premier Plus+2% CaCl ₂	+1/4#/sx																												
8 5/8"	32#	5158'	12 1/4"	Floceal + Pea gravel behind casing																													
(see attachment)				400sx Lite+1% CaCl ₂ +200sx Class "H"+																													
				2350sx Lite+200 sx Class "H"+173sx thru																													
29. LINER RECORD																																	
<table border="1"><thead><tr><th>SIZE</th><th>TOP (MD)</th><th>BOTTOM (MD)</th><th>SACKS CEMENT*</th><th>SCREEN (MD)</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>				SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																									
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																													
30. TUBING RECORD																																	
<table border="1"><thead><tr><th>SIZE</th><th>DEPTH SET (MD)</th><th>PACKER SET (MD)</th></tr></thead><tbody><tr><td>2 7/8"</td><td>9470'</td><td></td></tr></tbody></table>				SIZE	DEPTH SET (MD)	PACKER SET (MD)	2 7/8"	9470'																									
SIZE	DEPTH SET (MD)	PACKER SET (MD)																															
2 7/8"	9470'																																
31. PERFORATION RECORD (Interval, size and number)																																	
10192'-10198', .4" shot, 17 holes 9960'- 9970', .4" shot, 41 holes 9424'- 9526', .4" shot, 187 holes																																	
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																																	
<table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>12900'-13100'</td><td>45sx Class "H" plug</td></tr><tr><td>11150'-11350'</td><td>45sx Class "H" plug</td></tr><tr><td>10302'-10502'</td><td>55sx Class "H" plug</td></tr><tr><td colspan="2">(see attachment)</td></tr></tbody></table>				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	12900'-13100'	45sx Class "H" plug	11150'-11350'	45sx Class "H" plug	10302'-10502'	55sx Class "H" plug	(see attachment)																					
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED																																
12900'-13100'	45sx Class "H" plug																																
11150'-11350'	45sx Class "H" plug																																
10302'-10502'	55sx Class "H" plug																																
(see attachment)																																	
33.* PRODUCTION																																	
<table border="1"><thead><tr><th>DATE FIRST PRODUCTION</th><th>PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)</th><th>WELL STATUS (Producing or shut-in)</th></tr></thead><tbody><tr><td>6/3/91</td><td>2 1/2" x 1 1/2" x 30' RHBC Rod Pump</td><td>Shut-In</td></tr></tbody></table>				DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)	6/3/91	2 1/2" x 1 1/2" x 30' RHBC Rod Pump	Shut-In																								
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)																															
6/3/91	2 1/2" x 1 1/2" x 30' RHBC Rod Pump	Shut-In																															
<table border="1"><thead><tr><th>DATE OF TEST</th><th>HOURS TESTED</th><th>CHOKE SIZE</th><th>PROD'N. FOR TEST PERIOD</th><th>OIL—BBL.</th><th>GAS—MCF.</th><th>WATER—BBL.</th><th>GAS-OIL RATIO</th></tr></thead><tbody><tr><td>7/27/91</td><td>24</td><td></td><td></td><td>9</td><td>14</td><td>51</td><td>1555</td></tr></tbody></table>				DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	7/27/91	24			9	14	51	1555														
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO																										
7/27/91	24			9	14	51	1555																										
<table border="1"><thead><tr><th>FLOW, TUBING PRESS.</th><th>CASING PRESSURE</th><th>CALCULATED 24-HOUR RATE</th><th>OIL—BBL.</th><th>GAS—MCF.</th><th>WATER—BBL.</th><th>OIL GRAVITY-API (CORR.)</th></tr></thead><tbody><tr><td></td><td>50</td><td></td><td>9</td><td>14</td><td>51</td><td>-</td></tr></tbody></table>				FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		50		9	14	51	-																
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)																											
	50		9	14	51	-																											
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented																																	
35. LIST OF ATTACHMENTS Casing Record; Acid, Shot, Fracture, Cement Squeeze, etc.																																	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																																	
SIGNED <u>Carl A. Bagwell</u> TITLE <u>Engineering Technician</u> DATE <u>10/17/91</u>																																	

*(See Instructions and Spaces for Additional Data on Reverse Side)

10/17/91

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
1st Bone Spring Carbonate	8316'		Limestone/Dolomite and Shale			
2nd Bone Spring Sand	9402'		Sandstone			
2nd Bone Spring Carbonate	9550'		Limestone & Shale			
2nd Bone Spring Sand	9946'		Sandstone			
3rd Bone Spring Carbonate	10015'		Limestone & Shale			
3rd Bone Spring Sand	10232'		Sand & Shale			
Wolfcamp	10367'		200' Limestone 300' Shale & Sand 350' Shale - Limestone Cherty			
Strawn	11235'		Limestone Dolomite			
Atoka	11410'		Limestone & Shale			
Morrow Sand	12992'		Sandstone & Shale			
Lower Morrow	13482'		Sandstone & Shale			

DEC 34 196

MOORE OIL CO.

ATTACHMENT

Marathon Oil Company
Matador "5" Federal No. 1
Lea Co., NM

Casing Record

Casing Size	Weight LB/Ft	Depth Set	Hole Size	Cementing Record
5 1/2"	17#	10386'	7 7/8"	460sx Lite + 390 sx Class "H"

Acid, Shot, Fracture, Cement Squeeze, etc.

Depth Interval:	Amount and Kind of Material Used:
10192'-10198'	Spotted 500 gals 15% NEFE
10192'-10198'	Acidized w/1000 gals 15% NEFE
10100'-10118'	Set CIBP @ 10,118', cmt w/2sx PBTD-10100'
9960'-9970'	Acidized w/1000 gal 7 1/2% NEFE
9960'-9970'	Frac w/110,000# 20/40 sand + 824 Bbls cross-linked gel
9506'-9526'	Acidized w/1250 gals 7 1/2% NEFE
9424'-9464'	Acidized w/1250 gals 7 1/2% NEFE
9424'-9526'	Frac w/160,000# 20/40 sand + 38,000 gals cross-linked gel
9490'	Set RBP