

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other _____		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	REF. RESVR. ☐	Other _____
2. NAME OF OPERATOR Marathon Oil Company						5. LEASE DESIGNATION AND SERIAL NO. Contract 154	
3. ADDRESS OF OPERATOR P.O. Box 2659, Casper, WY 82602						6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1,685' FSL & 1,685' FEL Unit J At top prod. interval reported below At total depth						7. UNIT AGREEMENT NAME	
14. PERMIT NO. 30-039-22590						DATE ISSUED 1-15-81	
15. DATE SPUDDED 9-29-81						18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6,586' KB	
16. DATE T.D. REACHED 10-16-81						19. ELEV. CASINGHEAD 6,573' GL	
17. DATE COMPL. (Ready to prod.) 3-26-82						20. TOTAL DEPTH, MD & TVD 7,465'	
21. PLUG, BACK T.D., MD & TVD 7,406'						22. IF MULTIPLE COMPL., HOW MANY* --	
23. INTERVALS DRILLED BY --						ROTARY TOOLS 0'-7,465'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Graneros 7,088'-7,109', 7,086'-7,110' Dakota 7,222'-7,326', 7,221'-7,330'						CABLE TOOLS None	
26. TYPE ELECTRIC AND OTHER LOGS RUN IEL-GR, CDL-CNL-GR, CBL-GR, Tracer Log						25. WAS DIRECTIONAL SURVEY MADE No	
27. WAS WELL CORED No						28. WAS WELL Cased	
29. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
9-5/8"		36#		524'		13-3/4"	
4-1/2"		10.5, 11.6#		7,463'		7-7/8"	
30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		PACKER SET (MD)	
2-3/8"				None		7,027'	
31. PERFORATION RECORD (Interval, size and number)							
SEE ATTACHMENT							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
				SEE ATTACHMENT			
33. PRODUCTION							
DATE FIRST PRODUCTION 3-26-82		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Waiting on Pipeline Connection	
DATE OF TEST 3-26-82		HOURS TESTED 24		CHOKE SIZE 15/64"		PROD'N. FOR TEST PERIOD 19	
FLOW. TUBING PRESS. 600 psi		CASING PRESSURE 0		CALCULATED 24-HOUR RATE 19		OIL—BBL. 19	
						GAS—MCF. 857	
						WATER—BBL. 5	
						OIL GRAVITY-API (CORR.) 54.0	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold, Northwest Pipeline						TEST WITNESSED BY E. Nelson (MOC)	
35. LIST OF ATTACHMENTS One							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED Dale Cooley		TITLE District Operations Manager				DATE April 27, 1982	

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

NMOCC

RECEIVED
MAY 08 1982
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.RECEIVED FOR RECORD
BY ELLIOTT

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Kirtland	2,535'	2,600'	TD	Kirtland	2,535'	
Fruitland	2,600'	2,850'		Fruitland	2,600'	
Pictured Cliffs	2,850'	3,760'		Pictured Cliffs	2,850'	
Chacra	3,760'	4,570'		Chacra	3,760'	
Cliffhouse	4,570'	4,640'		Cliffhouse	4,570'	
Menefee	4,640'	5,100'		Menefee	4,640'	
Point Lookout	5,100'	5,230'		Point Lookout	5,100'	
Mancos	5,230'	6,230'		Mancos	5,230'	
Niobrara	6,230'	6,455'		Niobrara	6,230'	
Basal Niobrara	6,455'	6,690'		Basal Niobrara	6,455'	
Sanastee	6,690'	6,990'		Sanastee	6,690'	
Greenhorn	6,990'	7,085'		Greenhorn	6,990'	
Graneros	7,085'	7,220'		Graneros	7,085'	
Dakota	7,220'	7,337'	Dakota	7,220'		
Morrison	7,337'	7,465'	Morrison	7,337'		

JICARILLA APACHE #12-E
Sec. 33, T26N, R5W

Cementing Record:

9-5/8" casing cemented with 543 cu. ft. of Class B with 2% CaCl₂ and 1/4#/sk flocele. 4-1/2" casing cemented with 1st stage: 1,330 cu. ft. Halliburton Light with 8% fluid loss + 200 cu. ft. Class B with 8% fluid loss. 2nd stage: 1,008 cu. ft. 50-50 POZ with 2% gel, 6% KCl, 1% fluid loss and 0.6% Halad-9.

Perforation Record:

Graneros: 7,088', 91', 94', 7,103', 06', & 09' with one 0.38" SPF. Reperfed 7,086'-96' and 7,103'-7,110' with four 0.40" SPF after frac.

Dakota: 7,222', 26', 30', 34', 38', 53', 57', 64', 68', 7,310', 14', 18', 22', & 26' with one 0.38" SPF. Reperfed 7,221'-7,240', 7,252'-60', 7,263'-7,270', & 7,307'-7,330' with four 0.40" SPF after frac.

Production Treatment:

Graneros-Dakota: Treated with 2,500 gal 7-1/2% MSR acid with 300 SCF nitrogen/bbl & forty (40) 7/8" ball sealers, 43,500 gal 40# gelled water, 40,000 gal 30# gelled water, and 191,500# 20-40 sand with 1 milidarcy IR-192 tracer sand/5,000# frac sand.

