

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 ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 97, McFadden, Wyoming 82080

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 990' FNL, 1100' FLL, Sec 28, T26N, R5W

SW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ of sec 28

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUDDED

9/9/66

16. DATE T.D. REACHED

9/23/66

17. DATE COMPL. (Ready to prod.)

10/1/66

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6490 GR 6503 AB

19. ELEV. CASINGHEAD

All measurements from KB

20. TOTAL DEPTH, MD & TVD

7500

21. PLUG, BACK T.D., MD & TVD

7461

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

0 - 7500

CABLE TOOLS

none

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Graneros Sand perfs 7078-82 & 7086-88

Dakota Sand perfs 7208-12, 7216-22, 7242-44, 7254-56, 7296-98, 7306-14 & 7320-24

25. WAS DIRECTIONAL
SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Electrical; Formation Density-GammaRay-Caliper; Cement Bond log

27. WAS WELL CORED

no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8" OD	32.30	428 KB	15" to 446	495 sacks to surface	none
4 1/2" OD	11.60	7495 KB	7 7/8" to 7500	1640 sacks*	none
*3 stages 1st stage cement from 7495 to 5820 - 490 sacks 2nd stage cement from 5470 to 3700 - 450 sacks 3rd stage cement from 3247 to 800' - 700 sacks					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
none					2 3/8	7076	none

31. PERFORATION RECORD (Interval, size and number)

7078-82, 7086-88, 7208-12, 7216-22, 7242-44, 7254-56, 7296-98, 7306-14 & 7320-24

68 Schlumberger Hyper Jets - 3 3/8" gun, 2 holes per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7078 - 7324	1000 gals Mud Acid
	120000 lbs 20-40 sand mixed
	1/2 to 1 lb per gal with "slick" water for fracture treatment.

33.*

PRODUCTION

DATE FIRST PRODUCTION 10/22/66		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut in - waiting for pipeline	
DATE OF TEST 10/22/66	HOURS TESTED 3	CHOKE SIZE 3/4	PROD'N. FOR TEST PERIOD →	OIL—BBL. not measured	GAS—MCF. 6737 MCFD	WATER—BBL. not measured	GAS-OIL RATIO - - -
FLOW. TUBING PRESS. 522 psig	CASING PRESSURE 1455 psig	CALCULATED 24-HOUR RATE →	OIL—BBL. - - -	GAS—MCF. 6737	WATER—BBL. - - -	OIL GRAVITY-API (CORR.) - - -	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

vented during test

CALCULATED AOF - 9027 MCFD

TESTED BY
Teffeller, Inc., Farmington N.M.

35. LIST OF ATTACHMENTS

TEST & PRESSURE DATA

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

OIL CON. COM. Area Superintendent
DIST. 3

DATE November 11, 1966

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Dakota	7169	7338	Sand, contains gas was perforated at selected intervals and fractured for stimulation.	Pictured Cliffs Cnacra Lewis Shale Cliff House Mancos Basal Niobrara Sanastee Greenhorn Graneros Formation Graneros Sand Dakota Morrison	2888 3784 2900 4598 5287 6445 6684 6996 7053 7076 7169 7338	
No cores or drill stem tests taken						