

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. RESV. ☐	Other ☐								
2. NAME OF OPERATOR Marathon Oil Company						U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.									
3. ADDRESS OF OPERATOR P.O. Box 2659, Casper, WY 82602															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 825' FNL & 955' FEL Unit A At top prod. interval reported below At total depth															
14. PERMIT NO. 30-039-22434				DATE ISSUED July, 1980		5. LEASE DESIGNATION AND SERIAL NO. Tract 251 Contract 000154									
15. DATE SPUDDED 10-9-80				16. DATE T.D. REACHED 10-26-80		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache									
17. DATE COMPL. (Ready to prod.) 3-16-82				18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6,650' GL, 6,662' KB		7. UNIT AGREEMENT NAME									
20. TOTAL DEPTH, MD & TVD 7,525'		21. PLUG, BACK T.D., MD & TVD 7,463'		22. IF MULTIPLE COMPL., HOW MANY* TWO		8. FARM OR LEASE NAME Jicarilla Apache									
23. INTERVALS DRILLED BY 10'-7,525'				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Point Lookout 5,148'-5,278' Graneros-Dakota 7,200'-7,430'		9. WELL NO. 16-E									
25. TYPE ELECTRIC AND OTHER LOGS RUN SP, GR, DIL, CNL/FDC, Cal, LNP, CBL				26. WAS DIRECTIONAL SURVEY MADE No		10. FIELD AND POOL, OR WILDCAT Basin Dakota									
27. WAS WELL CORED No				28. CASING RECORD (Report all strings set in well)		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 34, T26N, R5W									
Casing Size		Weight, LB./FT.		Depth Set (MD)		Hole Size		Cementing Record		Amount Pulled					
9-5/8"		36#		491.17'		13-3/4"		450		None					
7"		20 & 23#		5,599.83'		8-3/4"		600		None					
								See Attached							
29. LINER RECORD				30. TUBING RECORD											
Size		Top (MD)		Bottom (MD)		Sacks Cement*		Screen (MD)		Size		Depth Set (MD)		Packer Set (MD)	
4-1/2"		5,413.22'		7,523.40'		250		No		2-3/8"		7,228.29'		5,330' KB	
31. PERFORATION RECORD (Interval, size and number) See Reverse Side						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. See Reverse Side									
33.* PRODUCTION															
DATE FIRST PRODUCTION 3-16-82		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) SI waiting on pipeline connections									
DATE OF TEST 3-16-82		HOURS TESTED 24		CHOKE SIZE 14/64"		PROD'N. FOR TEST PERIOD G.-B. →		OIL—BBL. 0		GAS—MCF 370		WATER—BBL. 0		GAS-OIL RATIO 85,714 cuft/bbl	
FLOW. TUBING PRESS. SIP 1375 PSI		CASING PRESSURE SICP 1180 PSI		CALCULATED 24-HOUR RATE P.-B. →		OIL—BBL. 14		GAS—MCF 370		WATER—BBL. 0		OIL GRAVITY-API (CORR.) 54.0			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To Be Sold (Northwest Pipeline Corp.)						TEST WITNESSED BY E. Nelson (MOC)									
35. LIST OF ATTACHMENTS None															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED Dale Caddy TITLE District Operations Manager ACCEPTED FOR RECORD March 29, 1982															

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

APR 06 1982

NMOCC

FARMINGTON DISTRICT
BY [Signature]

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.)

PERFS: - Morrison: 7480-7504' w/2 0.32" SPF. Packed off w/BP set @ 7463'.
Dakota: 7330', 34', 39', 44', 61', 64', 67', 72', 78', 7418', 24', and 30' w/one 9 gram .32" SPF.
Graneros: 7200', 04', & 10' w/one 9 gram .32" SPF.
Point Lookout: 5,148', 49', 50', 5,229', 30', 31', 32', 33', 34', 36', 38', 40', 41', 5,251', 52', 53', 75', 76', 77', & 78' w/one .32" SPF.

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
Kirtland	2,564'	2,749'	PROD TREATMENT	Kirtland	2,564'
Fruitland	2,749'	3,018'	GranerosDakota:	Fruitland	2,749'
Pictured			HCl acid w/1500 gal 15% seal-	Pictured	
Cliffs			ers, 130,000 gal gelled	Cliffs	3,018'
Chacra	3,018'	3,912'	2% KCl water w/400 SCF	Chacra	3,912'
Cliffhouse	3,912'	4,704'	C02/bbl and 260,000#	Cliffhouse	4,704'
Menefee	4,704'	4,860'	20-40 sand.	Menefee	4,860'
Point Lookout	4,860'	5,148'		Point Lookout	5,148'
Mancos	5,148'	5,417'	Point Lookout:	Mancos	5,417'
Niobrara	5,417'	6,360'	HCl acid w/30 bbl seal-	Niobrara	6,360'
Basal	6,360'	6,582'	ers, 35,600 gal 70 quality	Basal	
Niobrara			foam w/23,100 SCF N2 and	Niobrara	6,582'
Sanastee	6,582'	6,810'	89,000# 10-20 sand.	Sanastee	6,810'
Greenhorn	6,810'	7,100'		Greenhorn	7,100'
Graneros	7,100'	7,200'		Graneros	7,200'
Dakota	7,200'	7,328'		Dakota	7,328'
Morrison	7,328'	7,455'		Morrison	7,455'
	7,455'	7,525' TD			

Cement Record

8 5/8" Casing →

450 sx Class "B" w/ 2% CaCl₂, 1/4 #/sx
Cellof lake. C.T. → Surface

7" Casing → 1st

200 sx BJ Light w/. 8% D-19, 1/4 #/sx
Cellof lake, 100 sx Class "B" w/. 8% D-19,
1/4 #/sx Cellof lake.

2nd

200 sx BJ Light w/. 8% D-19, 1/4 #/sx
Cellof lake, 100 sx Class "B" w/. 8% D-19,
1/4 #/sx Cellof lake.

C.T. → 2700'

4 1/2" liner →

200 sx 50/50 poe w/. 6% D-20, .8%
D-60, 50 sx Class "B" w/. 8% D-60.

CT → top of liner