

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 ☐ GAS ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. Contract 154 ✓	
b. TYPE OF COMPLETION: NEW ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache ✓	
2. NAME OF OPERATOR Marathon Oil Company ✓		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 2659, Casper, WY 82602		8. FARM OR LEASE NAME Jicarilla Apache ✓	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1,040' FSL & 1,685' REL RECEIVED At top prod. interval reported below At total depth		9. WELL NO. 9E ✓	
10. PERMIT NO. 30-039-22589		10. FIELD AND POOL, OR WILDCAT Point Lookout Dakota	
11. DATE ISSUED 1-15-81		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 28, T26N, R5W ✓	
12. COUNTY OR PARISH FARMINGTON, N. M.		13. STATE Rio Arriba New Mexico	
15. DATE SPUDDED 9-10-81		16. DATE T.D. REACHED 9-27-81	
17. DATE COMPL. (Ready to prod.) 3-3-82		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6,684' GL, 6,697' KB	
19. ELEV. CASING HEAD 0		20. TOTAL DEPTH, MD & TVD 7,611' ✓	
21. PLUG BACK T.D., MD & TVD 7,549'		22. IF MULTIPLE COMPL., HOW MANY* TWO	
23. INTERVALS - ROTARY TOOLS 10 - 7,611'		24. WAS DIRECTIONAL SURVEY MADE No	
25. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND T.D.)* See Reverse Side		26. TYPE ELECTRIC AND OTHER LOGS RUN DIFL-GR, CDL-CN-GR, CBL-GR, Tracer Log	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
Casing Size 9-5/8" ✓		Weight, lb./ft. 36# ✓	
Depth Set (MD) 522' ✓		Hole Size 13-3/4" ✓	
Cementing Record 450 Sks ✓		Amount Pulled None	
4-1/2" ✓		11.6# & 10.5#	
7,606'		7-7/8" ✓	
1,805 Sks ✓		See Attached	
29. LINER RECORD		30. TUBING RECORD	
Size 9-5/8"		Size 2-3/8"	
Top (MD) 522'		Depth Set (MD) 7,224'	
Bottom (MD) None		Packer Set (MD) 5,353'	
Sacks Cement 0		31. PERFORATION RECORD (Interval, size and number) See Reverse Side	
Screen (MD) 522'		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. See Reverse Side	
33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To Be Sold	
Date First Production 3-3-82		Production Method (Flowing, gas lift, pumping—size and type of pump) Flowing	
Date of Test 3-3-82		Hours Tested 24	
Choke Size 22/64		Prod'n. for Test Gr. & Bak	
Oil—BBL. 20		Gas—MCF. 800	
Water—BBL. 5		Oil Gravity-API (CORR.) .550 Both Fr	
Flow. Tubing Press. G&D 340 FTP		Casing Pressure P.L. 200 FCR	
Calculated 24-Hour Rate 280		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 available records	

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

FARMINGTON COPY

BY *Dean E. Clout*RB
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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.)

PROD TREATMENT: Point Lookout: Treated w/2000 gals 7-1/2% MCA acid w/300 SCF nitrogen/bbl & forty 7/8" ball sealers, 91,600 gals 70 quality foam, 92,500# 20-40 sand, & 20,000# 10-20 sand. Sand contained 1 milidarcy IR-192/5000# sand.

Graneros-Dakota: Treated w/2500 gals 7-1/2% MCA acid w/300 SCF nitrogen/bbl & forty 7/8" ball sealers, 84,550 gals gelled fluid w/400 SCF nitrogen/bbl, & 189,700# 20-40 sand. Sand contained 1 milidarcy

37. SUMMARY OF POROUS ZONES: IR-192/5000# sand.

38. GEOLOGIC MARKERS

FORMATION		TOP	BOTTOM	PROD PERFS:	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Kirkland		2,720'	2,796'		Point Lookout: 5,233', 34', 35', 48', 49', 50', 51', 52', 88', 92', 94', 96', 98', 5,300'	Kirkland	2,720'	
Fruitland		2,796'	3,054'			Fruitland	2,796'	
Pictured Cliffs		3,054'	3,950'		one 0.40" SPF. Reperfed	Pictured Cliffs	3,054'	
Chacra		3,950'	4,750'		5,232'-5,236', 5,246'-5,254', 5,281'-5,310', 5,329'-5,336' w/four 0.4" SPF after frac.	Chacra	3,950'	
Cliffhouse		4,750'	4,810'		Graneros: 7,237', 40', & 44' w/one 0.38" SPF. Reperfed	Cliffhouse	4,750'	
Menefee		4,810'	5,180'		7234'-7246' w/four 0.4" SPF after frac.	Menefee	4,810'	
Point Lookout		5,180'	5,440'			Point Lookout	5,180'	
Mancos		5,440'	6,400'			Mancos	5,440'	
Niobrara		6,400'	6,620'			Niobrara	6,400'	
Basal Niobrara		6,620'	6,850'			Basal Niobrara	6,620'	
Sanastee		6,850'	7,096'			Sanastee	6,850'	
Greenhorn		7,096'	7,234'			Greenhorn	7,096'	
Graneros		7,234'	7,364'			Graneros	7,234'	
Dakota		7,364'	7,496'			Dakota	7,364'	
Morrison		7,496'	7,611'	TD		Morrison	7,496'	

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'

9 1/2" liner →

200 sx 50/50 po₂ w/ 6% D-20, .8%
D-60, 50 sx Class "B" w/. 8% D-60.

CT → top of liner