

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions 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 ☐		5. LEASE DESIGNATION AND SERIAL NO. Tract 251, Cont. 000154	
b. TYPE OF COMPLETION: NEW WELL ☒ 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 1,850' FNL & 930' FWL Unit E At top prod. interval reported below At total depth		9. WELL NO. 13-E	
14. PERMIT NO. 30-039-22446		10. FIELD AND POOL, OR WILDCAT Basin Dakota - <i>Blanco Mv</i>	
DATE ISSUED July, 1980		11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA Sec. 33, T26N, R5W	
15. DATE SPUNDED 10-29-80		12. COUNTY OR PARISH Rio Arriba	
16. DATE T.D. REACHED 11-15-80		13. STATE New Mexico	
17. DATE COMPL. (Ready to prod.) 7-13-81		19. ELEV. CASINGHEAD --	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6,598' GL, 6,610' KB		20. TOTAL DEPTH, MD & TVD 7,473'	
21. PLUG BACK T.D., MD & TVD 7,310' KB		22. IF MULTIPLE COMPL., HOW MANY* TWO	
23. INTERVALS DRILLED BY ROTARY TOOLS 0'-7,473'		CABLE TOOLS 0	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) Graneros-Dakota: 7,107'-7,295' Point Lookout: 5,126'-5,150' <i>Valencia</i>		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN SP, DIL, FDC, CNL, CBL, Cal		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings and in use!)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9-5/8"	36#	526.00'	13-3/4"
7"	23, 20, 29#	7,473.00'	8-3/4"
			CEMENTING RECORD
			400 sacks
			999 sacks
			AMOUNT PULLED
			None
			None
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
		None	
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	7,091'	7,058'	
31. PERFORATION RECORD (Interval, size and number) See Reverse Side			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED See Reverse Side			
33.* PRODUCTION			
DATE FIRST PRODUCTION 7-13-81	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	WELL STATUS (Producing or shut-in) SI	
DATE OF TEST 7-13-81	HOURS TESTED 24	CHOKED SIZE 16/64"	PROD. RATE OUT OIL—BBL. 15
FLOWING PRESS. 300 psig 320 psig	CASING PRESSURE 530 psig 460 psig	CALCULATED 24-HOUR RATE →	GAS—MCF 440 460
			WATER—BBL. 0 3
			GAS-OIL RATIO 29,000 cuft/bbl 51,000 cuft/bbl
			OIL GRAVITY-API (CORR.) .680 Gas, 54.0 Cond .685 Gas, 54.0 Cond
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold		TEST WITNESSED BY E. Nelson (MOC)	
35. LIST OF ATTACHMENTS None		BY <i>JMM</i>	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <i>Dale T. Caddy</i>		TITLE District Operations Manager	
		DATE July 20, 1981	

*(See instructions and spaces for Additional Data on Reverse Side)

NMOCC

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.)

2. **Morrison:** 7,353'-7,358' KB, 7,376'-7,384' KB (1 shot/ft .38" dia)

Graneros-Dakota: 7,107', 11', 12', 15', 17'; 7,241', 42', 44', 46', 49', 51', 53', 55', 73', 85', 87', 89', 91', 95' (19 shots .45" dia)

Point Lookout: 5,126'-28', 30', 32', 33', 34', 36', 38', 40'; 5,141'-42', 44', 46', 48', 50' (13 shots .5" dia)

37. SUMMARY OF POROSITY ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CURED 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
Pictured Cliffs	2,902'	2,983'	15% HCl single inhibited acid & fractured w/30,000 gallons Mini Max III 40/2% HCl gel & 60,000# 20-40 sand. Abandoned w/cement retainer at 7,310' KB. Acidized w/1,800 gallons 7½% HCl and fractured w/55,000 gallons X-linked gel, 40 tons CO2, 88,000# 20-40 sand & 22,000# 10-20 sand. Acidized w/200 gallons 7½% HCl and fractured w/45,000 gallons 70 quality foam, 36,000# 20-40 sand, 9,000# 10-20 sand and 9 millicurries IR-192 sand.	Pictured Cliffs	2,902'	
Lewis Shale	2,983'	3,798'		Lewis Shale	2,983'	
Chacra	3,798'	4,598'		Chacra	3,798'	
Mesaverde (Cliff House)	4,598'	5,300'		Mesaverde (Cliff House)	4,598'	
Mancos Shale	5,300'	6,476'		Mancos Shale	5,300'	
Basal Niobrara	6,476'	6,716'		Basal Niobrara	6,476'	
Sanastee	6,716'	7,023'		Sanastee	6,716'	
Greenhorn	7,023'	7,104'		Greenhorn	7,023'	
Graneros	7,104'	7,199'		Graneros	7,104'	
Dakota	7,199'	7,347'		Dakota	7,199'	
Morrison	7,347'	7,473'		Morrison	7,347'	
REATHMENT						
POINT LOOKOUT:				NEW ALVINS		
				MEX		
				22 6 62 70P		
				7000 7000 7000		