

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 <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:				NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR								5. LEASE DESIGNATION AND SERIAL NO.	
Marathon Oil Company								Tract 251 Contract 000154	
3. ADDRESS OF OPERATOR								6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
P.O. Box 2659, Casper, WY 82602								Jicarilla Apache	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*								7. UNIT AGREEMENT NAME	
At surface 1040' FNL & 1685' FWL, Unit C									
At top prod. interval reported below								8. FARM OR LEASE NAME	
At total depth								Jicarilla Apache	
14. PERMIT NO.				DATE ISSUED				9. WELL NO.	
30-392-22433				July 6, 1980				10E	
15. DATE SPUDDED				16. DATE T.D. REACHED				10. FIELD AND POOL, OR WILDCAT	
8-28-80				9-9-80				Basin Dakota	
17. DATE COMPL. (Ready to prod.)				18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
2-6-81				6498' GL, 6510' KB				Sec. 27, T26N, R5W	
19. ELEV. CASINGHEAD				12. COUNTY OR PARISH				13. STATE	
---				Rio Arriba				New Mexico	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		ROTARY TOOLS	
7366'		7366'		---		---		0'-7366'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*								25. WAS DIRECTIONAL SURVEY MADE	
Graneros 7136'-7142', Dakota 7259'-7366'								No	
26. TYPE ELECTRIC AND OTHER LOGS RUN								27. WAS WELL CORED	
CDL, CNL, GR, DIL, SD, CAL (CDL, SNL, GR, IEL, CAL)								No	
28. CASING RECORD (Report all strings set in well)									
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD	
9-5/8"		36#		486'		13-3/4"		450 Sacks	
7"		20#		3137'		8-3/4"		150 Sacks	
4-1/2"		11.6#, 10.5#		7349'		6-1/4"		250 Sacks	
29. LINER RECORD									
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)	
				None					
30. TUBING RECORD									
SIZE		DEPTH SET (MD)		PACKER SET (MD)					
2-3/8"		7128		None					
31. PERFORATION RECORD (Interval, size and number)									
7136'-7142', 12 Shots 2 shots/ft.									
7259'-7272', 26 Shots .4" ID Holes									
7292'-7298', 12 Shots									
7344'-7366', Open Hole									
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL (MD)					AMOUNT AND KIND OF MATERIAL USED				
See Reverse Side for Frac									
33. PRODUCTION									
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)				WELL STATUS (Producing or shut-in)			
2-6-81		Flowing				S.I., Waiting on gas hook-up			
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL--BBL.	
2-6-81		24		16/64		---		4.3	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL--BBL.		GAS--MCF.	
226 psig		605 psig		---		4.3		272	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY							
Gas Committed to Northwest Pipeline		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

Dist. Operations Manager

DATE

2-25-81

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

R.B.

# 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 report 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 32.

**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 (copy), intervals) and name(s) (in any case only use interval number as shown on diagram & separate report (type) on this form, accurately measured, 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.)

Frac: 73,44' -7366' w/40,500 gals. x-1 linked gel & 49,800# 20-4- sand.  
7259'-7272', 7292'-7298' w/48,000 gals x-1 linked gel & 55,000# 20-40 sand.  
7136'-7142', w/19,000 gals x-1 linked gel & 15,000# 20-40 sand.

## 37. SUMMARY OF FOMOS 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Kirtland	2542'	2928'		Kirtland	2542'	
Pictured Cliff	2928'	3838'		Pictured Cliffs	2928'	
Chacra	3838'	4627'		Chacra	3838'	
Cliff House	4627'	5304'		Cliff House	4627'	
Mancos Shale	5304'	6261'		Mancos Shale	5304'	
Niabrara	6261'	6490'		Niabrara	6261'	
Basal Niabrara	6490'	6733'		Basal Niabrara	6490'	
Sanastee	6733'	6999'		Sanastee	6733'	
Greenhorn	6999'	7056'		Greenhorn	6999'	
Graneros	7056'	7134'		Graneros	7056'	
Dakota	7134'	7366' TD		Dakota	7134'	

## 38.

## GEOLOGIC MARKERS