

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 Contract 000154	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other <u>Dual Completion</u>				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, Wyoming 82602				8. FARM OR LEASE NAME Jicarilla Apache	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 790' FNL & 1850' FEL, Sec. 28, T26N, R5W Unit B At top prod. interval reported below * At total depth				9. WELL NO. 19	
14. PERMIT NO.				DATE ISSUED	
15. DATE SPUDDED 8-23-77				16. DATE T.D. REACHED 8-31-77	
17. DATE COMPL. (Ready to prod.) 11-05-77				18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* 6483' GL, 6494' KB	
20. TOTAL DEPTH, MD & TVD 3950'		21. PLUG, BACK T.D., MD & TVD 3916'		22. IF MULTIPLE COMPL., HOW MANY* Two	
23. INTERVALS DRILLED BY → 0' to 3950'				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Pictured Cliffs 2882' to 2948', Chacra 3788' to 3885'	
25. WAS DIRECTIONAL SURVEY MADE No				26. TYPE ELECTRIC AND OTHER LOGS RUN SP-DIL, FDC/CNL-GR, GR-CBL-VDL	
27. WAS WELL CORED No				28. WAS WELL CORED No	
29. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	264'	12-1/4"	225 Sack to Surface	None
4-1/2"	10.5#	3953'	7-7/8"	700 Sacks	None
30. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
		None			
31. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2-3/8"	3622'	3608'			
32. PERFORATION RECORD (Interval, size and number)					
SEE REVERSE SIDE					
33. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)					
AMOUNT AND KIND OF MATERIAL USED					
SEE REVERSE SIDE					
34. PRODUCTION					
DATE FIRST PRODUCTION 10-29-77		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Back Pressure (Chacra) Back Pressure (Pictured Cliffs)			WELL STATUS (Producing or shut-in) SI waiting on hook up.
DATE OF TEST 10-29-77 11-05-77	HOURS TESTED 3 (Chacra) 3 (P.C.)	CHOKE SIZE 3/4" 3/4"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 0 0	GAS—MCF 89 223
WATER—BBL. 0 0	GAS-OIL RATIO -- --				
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL. 0	GAS—MCF 709 1782	WATER—BBL. 0 0
SEE REVERSE SIDE		OIL GRAVITY API (CORR.) .650 .650			
35. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold					
36. TEST WITNESSED BY E. Nelson, Marathon Oil Co.					
37. LIST OF ATTACHMENTS None					
38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>B.E. Yester</u>		TITLE <u>District Operations Manager</u>		DATE <u>1-04-78</u>	

(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				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Pictured Cliffs	2,882'	2,948'	Gas	Kirtland Shale	2,612'	2,612'
Chacra	3,788'	3,885'	Gas			
Chacra Sand	3788' - 3800' w/1 3878' - 3885'		shot/ft. using 3-3/8" Hyper II Jets			
Pictured Cliffs	2882' - 2890' w/1 2904' - 2916' (Lost 4 port covers in hole) 2928' - 2948'	Pressures - FCP - 40 SICP - 995	(Chacra is being produced thru casing)			
Chacra Sand Frac:	22,000# of Sand and	265,000 SCF of N ₂ (70% N ₂ & 30% KCL water for foam mixture).				
Pictured Cliffs Sand Frac:	250 gal. 7½% HCL, 27,000# of Sand, & 450,000 SCF of N ₂ (70% N ₂ & 30% KCL water for foam mixture).					