

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. RESVR. ☐	Other <u>Dual</u>
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION						5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 146	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401						6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 830' FWL & 260' FWL At top prod. interval reported below Same At total depth Same						7. UNIT AGREEMENT NAME	
14. PERMIT NO.						8. FARM OR LEASE NAME Jicarilla Contract 146	
15. DATE SPUDDED 8-23-70						9. WELL NO. 22	
16. DATE T.D. REACHED 9-6-70						10. FIELD AND POOL, OR WILDCAT South Blanco Pictured Cliffs	
17. DATE COMPL. (Ready to prod.) 9-18-70						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA NE/4 Section 10, T-25-S, R-3-W	
18. ELEVATIONS (SP, REB, RT, GR, ETC.)* GR 6672', REB 6686'						12. COUNTY OR PARISH Rio Arriba	
19. ELEV. CASINGHEAD 6672'						13. STATE New Mexico	
20. TOTAL DEPTH, MD & TVD 7446'		21. PLUG, BACK T.D., MD & TVD All'		22. IF MULTIPLE COMPL., HOW MANY* 2		23. INTERVALS DRILLED BY 0-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2950-80' Pictured Cliffs						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric and Acoustilog						27. WAS WELL CORED No	
28. 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"	246	457'	12-1/4"	310 sx (Circ)		None	
4-1/2"	10.50	7446'	7-7/8"	1950 sx w/WV at 5452' x 3122 (1st 600 sx, 2nd 600 sx, 3rd 750 sx)		None	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	7656'	7656'
31. PERFORATION RECORD (Interval, size and number) 2950-60 x 2975-80 x 2 SPV (Pictured Cliffs) 7150-58 x 4 SPV X 7284-90, 7323-30 x 7335-40 x 2 SPV (Dakota)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 2950-2980' - 500 gal HCl x 27,132 gal wt x 20,000# 20-40 in x 10,000# 18-20 in.			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in)	
DATE OF TEST 10-6-70	HOURS TESTED 3 hr.	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS. Packer		CASING PRESSURE 85 psig	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF. 1132 (ADP 1178)	WATER—BBL.	WELL GRAVITY-LBS (COAL.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold to El Paso Natural Gas Co.						TEST WITNESSED BY OCT 14 1970	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED Area Engineer		TITLE Area Engineer		DATE 10-12-70		U. S. GEOLOGICAL SURVEY	

*(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	TOP	TRIM VERT. DEPTH
Pictured Cliffs	2945'	3020'	Natural Gas	Pictured Cliffs	2945'		
Dakota	7145'	TO	Natural gas, condensate and some water	Lewis Shale	3020'		
				Chester	3837'		
				Messavade	4630'		
				Callup	6170'		
				Greenhorn	7068'		
				Gramercy Shale	7125'		
				Gramercy Sand	7145'		
				Push Dakota	7282'		