

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' FNL & 860' FNL At top prod. interval reported below Same At total depth Same						7. UNIT AGREEMENT NAME											
14. PERMIT NO.						DATE ISSUED											
15. DATE SPUDDED 8-23-70		16. DATE T.D. REACHED 9-6-70		17. DATE COMPL. (Ready to prod.) 9-18-70		8. FARM OR LEASE NAME Jicarilla Contract 146											
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GR 6672', KB 6686'		19. ELEV. CASINGHEAD 6672'		9. WELL NO. 22		10. FIELD AND POOL, OR WILDCAT Basin Dakota											
20. TOTAL DEPTH, MD & TVD 7446'		21. PLUG, BACK T.D., MD & TVD 7411'		22. IF MULTIPLE COMPL., HOW MANY? 2		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA NE/4 Section 10, T-25-N, R-5-W											
23. INTERVALS DRILLED BY 0-TD		ROTARY TOOLS 0-TD		CABLE TOOLS None		12. COUNTY OR PARISH Rio Arriba											
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7150-7340' Dakota		25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric and Acoustilog		13. STATE New Mexico											
27. WAS WELL CORED No		28. CASING RECORD (Report on strings set in well)		29. LINER RECORD		30. TUBING RECORD											
Casing Size		Weight, lb./ft.		Depth Set (MD)		Hole Size		Cementing Record		Amount Pulled							
8-5/8"		24#/ft.		457'		12-1/4"		310 sacks		None							
4-1/2"		10.5#		7446'		7-7/8"		1950 sx w/DV at 5452' x 3122' (1st 600 sx, 2nd 600 sx, 3rd 750 sx)		None							
Size		Top (MD)		Bottom (MD)		Sacks Cement*		Screen (MD)		Size		Depth Set (MD)		Packer Set (MD)			
										2-3/8"		7059'		7056'			
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		37. TEST WITNESSED BY		38. DATE			
(2950-60' x 2975-80' x 2 SPF (Pict. Cliffs) 7150-48' x 4 SPF x 7284-90, 7323-30' x 7335-40' x 2 SPF (Dakota)		DEPTH INTERVAL (MD) 7150-7340' - 500 lb. 7150-7158' - 500 lb.		AMOUNT AND KIND OF MATERIAL USED gal HCl x 35,364 gal. wt x 20,000 20-40 sn x 10,000 lb. 10-20 sn. gal HCl x 22,764 gal. wt x 15,000 lb. 20-40 sn x 5,000 lb. 10-20 sn.		DATE FIRST PRODUCTION 9-29-70		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) Shut In		FLOW. TUBING PRESS. 185 psig		CASING PRESSURE 2305 (AOP 2358)		OIL GRAVITY-API (CORR.)	
To be sold to El Paso Natural Gas Co.																	

*(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	2945'	3020'	Natural Gas	Pictured Cliffs	2945'	
Dakota	7145'	TD	Natural gas, condensate and some water	Lewis Shale Chacra Mesaverde Gallup Greenhorn Graneros Shale Graneros Sand Main Dakota	3020' 3837' 4630' 6170' 7068' 7125' 7145' 7282'	