

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 ☐
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION						5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract 155	
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 1160' FSL & 1540' FWL, Unit "N" 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 155	
DATE ISSUED						9. WELL NO. 20	
15. DATE SPUDDED 9-20-69						10. FIELD AND POOL, OR WILDCAT Basin Dakota	
16. DATE T.D. REACHED 10-4-69						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE/4 Section 29, T-26-N, R-5-W	
17. DATE COMPL. (Ready to prod.) 11-13-69						12. COUNTY OR PARISH Rio Arriba	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GR 6434', RKB 6448'						13. STATE New Mexico	
19. ELEV. CASINGHEAD 6434'		20. TOTAL DEPTH, MD & TVD 7327'		21. PLUG, BACK T.D., MD & TVD 7293'			
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7066-7250' Dakota			
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electrical and Gamma Ray Sonic		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"	24#	446'	12-1/4"	300 sx (circ)			
4-1/2"	10.5#	7326'	7-7/8"	1950 sx w/DV @ 2926 & 5287' (1st 600 sx, 2nd 600 sx, 3rd 750 sx)			
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"	7199'	
31. PERFORATION RECORD (Interval, size and number) 7227-32 x 7240-50 x 2 SPF 7066-72, 7078-86, 7110-15, 7156-58, 7162-70 x 2 SPF				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 7227-7250' 500 gal 15% HCl x 20,000 gal wt x 15,000# 20-40 x 5,000# 10-20 sn. 7066-7170' 500 gal 15% HCl x 30,000 gal. wt x 25,000# 20-40 x 5,000# 10-20 sn.			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-20-69	3 hr.	3/4"	→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GR. TYP. (COAL)	
193 psig	690 psig	→		2401 (AOF 25/72)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold to El Paso Natural Gas Co.						TEST WITNESSED BY DEC 15 1969 OIL CON. COM. DIST. 3	
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 <u>L. R. Chan</u>		TITLE <u>Petroleum Engineer</u>		DATE <u>12-10-69</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 38, 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 38. 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: "Seeds 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, COBED 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.
Graneros Dakota	250' 0"	100' 0"	Natural gas with some condensate and water.
Main Dakota	3' 0"	0' 0"	Natural gas with some condensate and water.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	THREE FEET DEPTH
Kirtland	2348'		
Pictured Cliffs	2752'		
Lewis Shale	2830'		
Cliffhouse	4850'		
Mancos Shale	5680'		
Gallup	6097'		
Greenhorn	6850'		
Graneros Shale	6909'		
Graneros Sand	6930'		
Main Dakota	7063'		