

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. Jicarilla Apache 102	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☒ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Jicarilla Apache 102	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1070' FSL & 1450' FSL, Unit "0" At top prod. interval reported below Same At total depth Same		9. WELL NO. 16	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 4-22-69		16. DATE T.D. REACHED 5-3-69	
17. DATE COMPL. (Ready to prod.) 2-6-70		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* GR 6796', RDS 6810'	
19. ELEV. CASINGHEAD 6796'		10. FIELD AND POOL, OR WILDCAT Blanco Mesaverte	
20. TOTAL DEPTH, MD & TVD 7340'		21. PLUG, BACK T.D., MD & TVD 5910'	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY 0-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5190-5702' Mesaverte		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electrical and Formation Density		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9-5/8"	36#	212'	13-3/4"
7"	20#	3680'	8-3/4"
4-1/2"	10.5#	7340'	6-1/4"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	5642'		
31. PERFORATION RECORD (Interval, size and number)			
5650-64', 5670-82' & 5694-5702' x 2 SPF			
5404-16' & 5494-5505' x 2 SPF			
5190-94', 5278-90', 5318-22', 5330-40'			
5336-44' x 2 SPF			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
5650-5702'		500 gal. HCl, 31,550 gal. wt x 20,000	
20-40 in x 10,000# 10-20 in.			
5404-5505'		32,340 gal. wt x 20,000# 20-40 in x 10,000# 10-20 in.	
33.* PRODUCTION 5190-5344' - 40,724 gal. wt x 25,000# 20-40 in			
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 2-13-70	HOURS TESTED 3 hrs.	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD 2852 (ACT 4113)
FLOW. TUBING PRESS. 222 psig	CASING PRESSURE 707 psig	CALCULATED 24-HOUR RATE 2852 (ACT 4113)	OIL GRAVITY-API (CORR.) 51.0
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold to Southern Union Gas Co.			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records ORIGINAL SIGNED BY G. W. Eaton, Jr. SIGNED G. W. Eaton, Jr. TITLE Area Engineer DATE March 2, 1970			

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

NH0CC

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 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
Mesa Verde	5190'	5702'	Natural gas, condensate and some water	Mesa Verde	5167'	
Gallup	7174'	7184'	Natural gas at uneconomical rates	Mameco Shale	5713'	
				Gallup	6818'	