

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. SP - 076337	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico		8. FARM OR LEASE NAME W. D. Heath "A"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 790 FNL and 2070 FNL At top prod. interval reported below At total depth Same		9. WELL NO. 8	
14. PERMIT NO.		DATE ISSUED OCT 18 1964	
15. DATE SPURRED 8-20-64		16. DATE T.D. REACHED 8-29-64	
17. DATE COMPL. (Ready to prod.) 9-14-64		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5682 (RDB)	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 6709	
21. PLUG, BACK T.D., MD & TVD 6674		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		ROTARY TOOLS 0-6709	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Graneros Dakota 6502-6580 Main Dakota 6580-6675		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray - Neutron		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
10-3/4"	32.75#	295	13-3/4"
7-5/8"	24#	2335	9-7/8"
4-1/2"	10.5#	6709	6-3/4"
CEMENTING RECORD		AMOUNT PULLED	
200 Sacks		None	
400 Sacks		None	
450 Sacks		None	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD		PACKER SET (MD)	
SIZE	DEPTH SET (MD)		
2-3/8"	6523		
31. PERFORATION RECORD (Interval, size and number)			
6656-72 with 4 shots per foot 6590-6610 with 4 shots per foot 6513-34 with 2 shots per foot			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
6656-72		29,980 Gal Water & 30,000 LB Sand	
6590-6610		27,080 Gal Water & 30,000 LB Sand	
6513-34		Well Communicated did not frac.	
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flow	
WELL STATUS (Producing or shut-in) Shut In			
DATE OF TEST 9-14-64	HOURS TESTED 3	CHOKE SIZE 3/4	PROD'N. FOR TEST PERIOD →
FLOW. TUBING PRESS. 425	CASING PRESSURE 1050	CALCULATED 24-HOUR RATE →	OIL—BBL. 5200
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold to El Paso Natural Gas Company		GAS—MCF. 650	
35. LIST OF ATTACHMENTS None		WATER—BBL. 650	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		OIL GRAVITY-API (CORR) →	
SIGNED Fred L. Nabors, District Engineer		TEST DATES OCT 15 1964	
ORIGINAL SIGNED BY F. H. HOLLINGSWORTH		U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.	
TITLE		DATE September 30, 1964	

* (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	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Sand and Shale	0	2105			
Pictured Cliffs	2105	2390			
Lewis Shale	2390	3810			
Messaverde	3810	4690			
Mancos	4690	5900			
Gallup	5900	6060			
Base Gallup	6060	6390			
Greenhorn	6390	6450			
Greenhorn Shale	6450	6502			
Greenhorn Dakota	6502	6580			
Main Dakota	6580	6709			