

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 ☐		7. UNIT AGREEMENT NAME Gallagher Canyon Unit																			
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		8. FARM OR LEASE NAME 11 11 11																			
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION		9. WELL NO. 241																			
3. ADDRESS OF OPERATOR Security Life Building Denver, Colorado 80202		10. FIELD AND POOL, OR WILDCAT Basin Dakota																			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2385' FWL and 990' FWL At top prod. interval reported below At total depth Same		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SU/4 SW/4 Sec. 29 T28N-R12W																			
14. PERMIT NO. JUN 16 1966 OIL CON. COM. DIST. 3		12. COUNTY OR PARISH San Juan																			
15. DATE SPUDDED 4/9/66		13. STATE New Mexico																			
16. DATE T.D. REACHED 4/17/66		14. ELEV. CASINGHEAD																			
17. DATE COMPL. (Ready to prod.) 5/22/66		15. ELEV. CASINGHEAD																			
20. TOTAL DEPTH, MD & TVD 6076		21. PLUG, BACK T.D., MD & TVD 6040																			
22. IF MULTIPLE COMPLEMENTS, HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS Surface to 6076																			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* (Dakota) 5964-5972, 6000-6015, 5868-5874, 5892-5898, 5926-5934, 5951-5957		25. WAS DIRECTIONAL SURVEY MADE																			
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric, Gamma Ray Sonic		27. WAS WELL CORED																			
28. CASING RECORD (Report all strings set in well)																					
<table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>8-5/8"</td><td>240</td><td>350</td><td>12-1/4"</td><td>215 sacks</td><td>NONE</td></tr><tr><td>4-1/2"</td><td>10.34</td><td>6076</td><td>7-7/8"</td><td>500 sacks 1st. stage 350 sacks 2nd. stage 375 sacks 3rd. stage</td><td>NONE</td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	8-5/8"	240	350	12-1/4"	215 sacks	NONE	4-1/2"	10.34	6076	7-7/8"	500 sacks 1st. stage 350 sacks 2nd. stage 375 sacks 3rd. stage	NONE
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29. LINER RECORD																					
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30. TUBING RECORD																					
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31. PERFORATION RECORD (Interval, size and number)																					
6000-6015 with 4 shots per foot 5868-5874, 5892-5898, 5926-5934, 5951-5957, 5964-5972, 2 shots per foot																					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																					
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33. PRODUCTION																					
DATE FIRST PRODUCTION 5/22/66																					
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) FLOW																					
WELL STATUS (Producing or shut-in) SHUT IN																					
DATE OF TEST 6/1/66																					
HOURS TESTED 3																					
CHOKE SIZE 3/4"																					
PROD'N. FOR TEST PERIOD																					
OIL—BBL. 4374																					
GAS—MCF. 546																					
WATER—BBL.																					
GAS-OIL RATIO																					
FLOW. TUBING PRESS. 354																					
CASING PRESSURE 770																					
CALCULATED 24-HOUR RATE																					
OIL—BBL.																					
GAS—MCF.																					
WATER—BBL.																					
OIL GRAVITY-API (CORR.)																					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold to El Paso Natural Gas Company																					
TEST WITNESSED BY																					
35. LIST OF ATTACHMENTS																					
36. I hereby certify that the information is complete and correct as determined from all available records																					
SIGNED D. I. TOLLEFSON																					
TITLE Administrative Assistant																					
DATE June 13, 1966																					

***(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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
20-40 SAND 10-20 SAND Well History			Well was spudded 4/9/66 and drilled to a depth of 350 feet where 8-5/8" casing was set with 21.5 sacks type "G" cement containing 27 GACL. Well was drilled to 6076 where 4-1/2" casing was set with stage tools at 4094 and 1498. Cemented 1st. stage with 190 sacks type "G" containing 42 gal and 1-1/2 lbs tuf plug per sack and .42 lb-4 and 210 sacks class "G" cement containing 62 gal and 2 lbs tuf plug per sack and 180 sacks "G" neat cement. Cemented second stage with 300 sacks "G" cement containing 62 gal and 2 lbs. tuf plug per sack and 30 sacks neat cement. Cemented third stage with 125 sacks "G" cement containing 62 gal and 2 lbs tuf plug per sack and 30 sacks class "G" neat cement. Run tubing and bit and cleaned out well, displaced casing with water containing .82 potassium chloride and 2-1/2 lbs BR-2 per 1000 gallons. Spaced 300 gallons acid. Perforated 6000-6013 with 4 shots per foot. Fraced with 27,380 gallons water treated as above and 20,000 lbs bromine pressure 2430, treating pressure 1500, average injection rate 53 BPM. Bridge plug set at 3890. Perforated 5868-5874, 5892-5896, 5926-5936, 5951-5957, and 5966-5972 with 2 shots per foot. Fraced with 50,896 gallons water treated as above and 40,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. No breakdown pressure, average treating pressure 3380, average injection rate 39 BPM. Dropped 60 ball sealers as follows: 20 ball sealers after 20,000 lbs. sand and treating went from 63 BPM at 3280 to 40 BPM at 3100, dropped 20 balls after 30,000 lbs. sand and went from 63 BPM at 3100 to 51 BPM at 3400, dropped 20 balls after 45,000 lbs. sand and went from 55 BPM at 3500 to 12 BPM at 3700. Completed frac at 15 BPM at 3500, drilled bridge plug at 3990. 2-3/8" tubing was landed at 5887 and well was completed 5/22/66 as shot in gas well Basin Dakota Field. On 6/1/66 well flowed 4374 MCFD with tubing pressure flowing 334 and casing pressure flowing 779. Top pay Dakota 3613.	LOG 2093 Electric Cables Louis Shale Mansfield Mansfield Gallup Bass Gallup Green Horn Greenhorn Shale Greenhorn Dakota Main Dakota	1302 1518 2833 4063 4941 5340 5733 5818 5868 5930		