

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. SP 077966	
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 Gallegos Canyon Unit	
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2340' FWL & 790' FWL At top prod. interval reported below At total depth Same		9. WELL NO. 238	
10. FIELD AND POOL, OR WILDCAT Basin Dakota		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE/4 NE/4 Section 23, T-28-N, R-13-W	
12. COUNTY OR PARISH San Juan		13. STATE New Mexico	
14. PERMIT NO.		DATE ISSUED DEC 8 1966	
15. DATE SPUDDED 5-12-66		16. DATE T.D. REACHED 5-20-66	
17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6001' RKB	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 6432'	
21. PLUG, BACK T.D., MD & TVD 6395'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY Surface to 6432'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6310-6330', 6254-6272' (Dakota)	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Induction Electric, Gamma Ray Sonic	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.	
8-5/8"		240	
4-1/2"		10.30	
DEPTH SET (MD)		HOLE SIZE	
340'		12-1/4"	
6432'		7-7/8"	
CEMENTING RECORD		AMOUNT PULLED	
225 sacks		None	
500 sacks - 1st Stage		None	
550 sacks - 2nd Stage			
375 sacks - 3rd Stage			
29. LINER RECORD		30. TUBING RECORD	
SIZE		TOP (MD)	
BOTTOM (MD)		SACKS CEMENT*	
SCREEN (MD)		SIZE	
DEPTH SET (MD)		PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
6310-6330' with 4 shots per foot		DEPTH INTERVAL (MD)	
6254-6272' with 3 shots per foot		6310-6330'	
		AMOUNT AND KIND OF MATERIAL USED	
		500 gal. acid, 15,962 gal. water, 40,000 lbs. sand.	
		6254-6272'	
		41,500 gal. water, 40,000 lbs. sand.	
33.* PRODUCTION		DATE FIRST PRODUCTION	
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in)	
DATE OF TEST		HOURS TESTED	
CHOKE SIZE		PROD'N. FOR TEST PERIOD	
OIL—BBL.		WATER—BBL.	
GAS—BBL.		GAS-OIL RATIO	
FLOW. TUBING PRESS.		CASING PRESSURE	
CALCULATED 24-HOUR RATE		OIL—BBL.	
GAS—BBL.		OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as furnished from all available records	
ORIGINAL SIGNED BY C. W. Eaton, Jr.		SIGNED	
TITLE Area Engineer		DATE 12-6-66	

*(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.)

CALLEGOS CANYON WELL NO. 239

Cases - None

Drill Stem Tests - None

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

DESCRIPTION, CONTENTS, ETC.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
WELL BLASTONE			Well was spudded 5-12-66 and drilled to a depth of 360' where 8-5/8" casing was set with 225 sacks Type "A" cement containing 21 CaCl. Well was drilled to a depth of 6432' where 4-1/2" casing was set with stage tools set at 4532' and 1803'. Cemented first stage with 400 sacks "C" cement containing 61 Gal and 2 lbs. Tuf Plug per sack and 100 sacks "C" Mast cement. Cemented second stage with 500 sacks "C" cement containing 61 Gal and 2 lbs. Tuf Plug per sack and 50 sacks "C" Mast cement. Cemented third stage with 325 sacks "C" cement containing 61 Gal and 2 lbs. Tuf Plug per sack and 50 sacks "C" Mast cement. Displaced casing with water containing 0.8% potassium chloride and 2-1/2 lbs. 87-2 per 1000 gallons water. Spotted 500 gallons 7-1/2% acid and perforated 6310-6330' with 4 shots per foot. Fracked with 25,963 gallons water treated as above and 30,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Breakdown pressure 2600, treating pressure 3100, average injection rate 63 MFM. Perforated 6334-6373' with 3 shots per foot. Fracked with 41,500 gallons water treated as above and 30,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Breakdown pressure 3500, treating pressure 3500, average injection rate 47 MFM. As a result of not obtaining commercial production of gas or oil, this well was completed as a dry hole on 8-16-66.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
LOG TOPS			
Pictured Cliffs	1607'		
Lewis Shale	1890'		
Messverde	3255'		
Messverde	4440'		
Callup	5317'		
Base Callup	5926'		
Greenhorn	6124'		
Graneros Shale	6198'		
Graneros Salinas	6243'		
Main Salinas	6304'		