

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. SF 078903	
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 Security Life Building, Denver, Colorado 80202				8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1850 FNL, 1190 FNL, Sec 36 SW NW At top prod. interval reported below At total depth				9. WELL NO. 245	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DATE SPURRED 4/7/66				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 36, T 28N, R12W	
16. DATE T.D. REACHED 4/16/66				12. COUNTY OR PARISH San Juan	
17. DATE COMPL. (Ready to prod.) 5/8/66				13. STATE New Mexico	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5990 RDB, 5976 GR				19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 6475		21. PLUG, BACK T.D., MD & TVD 6420		22. IF MULTIPLE COMPL., HOW MANY* →	
23. INTERVALS DRILLED BY ROTARY TOOLS				24. WAS DIRECTIONAL SURVEY MADE No	
25. WAS DIRECTIONAL SURVEY MADE No				26. TYPE ELECTRIC AND OTHER LOGS RUN IES, Sonic- GR	
27. WAS WELL CORED No				28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
8 5/8		24		369	
4 1/2		10.5		6475	
(Stage Collars at 4568 and 1938)					
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
12 1/2"		225 Sacks		None	
7 7/8"		500 Sacks- 1st stage		None	
		550 Sacks- 2nd stage			
		400 Sacks- 3rd stage			
29. LINER RECORD				30. TUBING RECORD	
SIZE		TOP (MD)		BOTTOM (MD)	
2 3/8		6241			
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
6334-54 with 4 shots/ft. 6264-69, 6283-88 with 6 shots/ft.				DEPTH INTERVAL (MD)	
				6334-6354	
				6264-69, 6283-88	
				88	
33.* PRODUCTION				AMOUNT AND KIND OF MATERIAL USED	
DATE FIRST PRODUCTION 5/18/66				250 gal 74% Acid, 30,000#	
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				20-40, 10,000# 10-20 sand	
WELL STATUS (Producing or shut-in) Shut-in				20,000# 20-40 Sand, 10,000# 10-20 Sand.	
DATE OF TEST 5/16/66		HOURS TESTED 3		CHOKE SIZE 3/4"	
FLOW. TUBING PRESS. 471		CASING PRESSURE 1000		PROD'N. FOR TEST PERIOD →	
CALCULATED 24-HOUR RATE →		OIL—BBL. 5866		GAS—MCF. 733	
WATER—BBL. →		GAS—OIL RATIO →		TEST WITNESSED BY MAY 31 1966	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold to El Paso Natural Gas Company				35. LIST OF ATTACHMENTS	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records				U. S. GEOLOGICAL SURVEY FARMINGTON, N. M.	
SIGNED D. I. TOLLEFSON		TITLE Administrative Assistant		DATE 5/26/66	

*(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.)

CCW #245

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DETAILED 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	TOP	TRUE VERT. DEPTH
No DST's taken on this well				Log Tops	1760		
Supplementary Well History				Pictured Cliffs	1940		
Dyed 4/7/66. Drilled 12 1/2" hole to 369.				Lewis Shale	3345		
225 sacks type "A" with 2 1/2" Orel. Drilled 7 7/8" hole to TD 6475, Set 4 1/2" 10.5#				Mosaverte	4480		
casing at 6475 with stage tools at 4548 and 1938. Cemented first stage with				Moscos	5363		
400 sacks class "C" with 6 1/2" plug with 2 lbs Tuf plug Ballup				Base Gallow	5940		
"C" with 6 1/2" plug per sack and 100 sacks class				Greenhorn	6163		
per sack with 50 sacks "C" with 300 sacks "C" with 6 1/2" plug Ballup				Greenhorn	6223		
gal with 2 lbs Tuf plug and 500 sacks "C" with 6 1/2" plug Ballup				Greenhorn	6260		
casing with water containing. 8 1/2" HCL with 2 1/2" lbs. FH-2 per 1000 gal. Spotted				Greenhorn	6327		
250 gal 7 1/2" acid. Perforated 6324-6334 with 4 shots/ft. Fraced with 36,288 gal				Greenhorn	6475		
water treated as above with 30,000# 20-40 sand and 10,000# 10-20 sand. Breakdown							
pressure 2250. Treating pressure 3000 PSI at 54 shots/min. Set bridge plug at 6310TD							
Perforated 6264-69 and 6283 with 6 shots/ft. Fraced with 32,760 gal water treated							
as above with 20,000# 20-40 sand and 10,000# 10-20 sand. Breakdown pressure 3500.							
Treating pressure 3500 at 52 shots/min. Drilled out and cleared out to FWD 6420.							
Shut-in 5 hours and well kicked off on 5/16/66 well flowed at the rate of							
5866 MCF/day on 3/4" choke. TFF 471. GFT 1000.							