

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 *

5. LEASE DESIGNATION AND SERIAL NO.

87-078904

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Gallagher Canyon Unit

8. FARM OR LEASE NAME

17 11 11

9. WELL NO.

243

10. FIELD AND POOL, OR WILDCAT

Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY
R AREANW/4 NE/4 Section 24
T28N-R12W12. COUNTY OR
PARISH

San Juan

13. STATE

New Mexico

19. ELEV. CASINGHEAD

1a. TYPE OF WELL: OIL ☐ WELL ☐ GAS ☒ WELL ☐ DRY ☐ Other _____b. TYPE OF COMPLETION: NEW ☒ WELL ☐ WORK ☐ OVER ☐ DEEP- ☐ EN ☐ PLUG ☐ BACK ☐ DIFF. ☐ RESVR. ☐ Other _____

2. NAME OF OPERATOR

Pan American Petroleum Corporation

3. ADDRESS OF OPERATOR

Security Life Building
Denver, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1010' FHL and 1075' FHL

At top prod. interval reported below

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED 5-19-66

16. DATE T.D. REACHED 5-27-66

17. DATE COMPL. (Ready to prod.) 6-25-66

18. ELEVATIONS (DF, REB, RT, GR, ETC.)* (RDB) 5656

20. TOTAL DEPTH, MD & TVD 6205

21. PLUG, BACK T.D., MD & TVD 6070

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

Surface to 6205

CABLE TOOLS

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24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

6093-99, 6115-20, 6151-60, 6027-33, 6049-34 (Dakota)

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Electric, Gamma Ray Sonic

25.

C. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24.2	367	12-1/4"	200 sacks	None
4-1/2"	10.34	6205	7-7/8"	500 sacks - 1st stage	None
				550 sacks - 2nd stage	
				375 sacks - 3rd stage	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	6029	

31. PERFORATION RECORD (Interval, size and number)

6093-99, 6115-20, 6151-60 4 SPF

6027-33, 6049-34 4 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6093-6160	500 gals. acid, 45,300 gals water, 50,000 lbs sand
6027-6034	32,760 gals water 30,000 lbs sand

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6-25-66		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7-6-66	3 hrs.	3/4"	→		918		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL RECOVERY (CORR.)	
584	1169	→		7348			

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

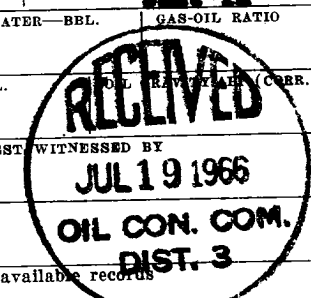
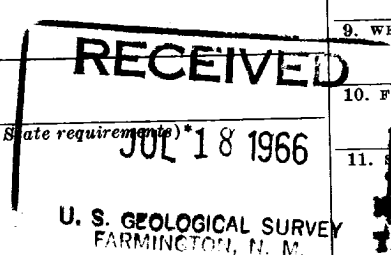
SIGNED

ORIGINAL
H. E. SMITH

TITLE Administrative Assistant

DATE 6-30-66

*(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.)

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	TRUE VERT. DEPTH
No Core					Log Tops		
No Drill Stem Test					Pictured Cliffs	1515	
Well History - Well was spudded 5-19-66 and drilled to a depth of 367 where 8-9/8" casing was set w/200 sacks "A" cement containing 21 CaCl ₂ . Well was drilled to a depth of 6205' where 4-1/2" casing was set w/stage tops set at 4299 and 1643. Cemented first stage w/400 sacks "C" cement containing 4% gal & 2 lbs. medium Tuf Plug per sack followed by 100 sacks "C" neat cement. Cemented 2nd stage w/300 sacks Type "C" cement containing 6% gal and 2 lbs. medium Tuf Plug per sack followed by 50 sacks "C" neat cement. Cemented 3rd stage w/325 sacks "C" cement containing 6% gal and 2 lbs. medium Tuf Plug followed by 50 sacks "C" neat cement. Ran tubing and bit and cemented out well. Displaced hole w/water containing .8% potassium chloride and 2 1/2 lbs. FR-2 per 1000 gals water. Spotted 500 gals 7 1/2 acid. Perforated 6083-99, 6115-20, 6151-40 w/427V. Fraced w/45,360 gals water treated as above & 40,000 lbs 20-40 sand & 10,000 lbs 10-20 sand. Breakdown pressure 2000, average treating 3400, average injection rate 54 BPM. Dropped 25 ball sealers midway through fracs and rate dropped from 50 BPM to 6049-56 w/427V. Fraced with 12,760 gallons water treated as above and 20,000 lbs. Treating pressure 3500, average injection rate 59 BPM. 2-3/8" tubing was landed completed as shot-in development gas well Basin Dakota Field. On 7-6-66 well flowed 7348 with tubing pressure flowing 304 and casing pressure flowing 1169. Top pay Dakota 3989.				Lewis Shale	1725		
				Mesaverde	3050		
				Mannos	4270		
				Gallup	5152		
				Base Gallup	5703		
				Greenhorn	5925		
				Greenhorn Shale	5995		
				Greenhorn Dakota	6024		
				Main Dakota	6091		
				40 BPM at 3500 lbs. Perforate 6027-33 and 20-40 sand and 10,000 lbs. 10-20 sand. 20-40 sand and 10,000 lbs. 10-20 sand. completed as shot-in development gas well Basin Dakota Field. On 7-6-66 well flowed 7348 with tubing pressure flowing 304 and casing pressure flowing 1169. Top pay Dakota 3989.			