Form 9-330
(Rev. 5-63)

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

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 **1810' FNL and 1675' FEL**
At top prod. interval reported below
At total depth **Same**

RECEIVED
JUL 18 1966
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

5. LEASE DESIGNATION AND SERIAL NO.
SF-078904

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Gallegos Canyon Unit

8. FARM OR LEASE NAME
" " "

9. WELL NO.
243

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SW/4 NE/4 Section 24
T28N-R12W

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR PARISH: **San Juan** | 13. STATE: **New Mexico**

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
5-19-66	5-27-66	6-25-66	(RDB) 5656	--

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6205	6070		→	Surface to 6205	--

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
6093-99, 6115-20, 6151-60, 6027-33, 6049-54 (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.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	367	12-1/4"	200 sacks	None
4-1/2"	10.5#	6205	7-7/8"	500 sacks - 1st stage	None
				550 sacks - 2nd stage	
				375 sacks - 3rd stage	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

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, 6049-54 — 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
6027-6054	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 GRAVITY-API (CORR.)
584	1169			7348		

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
To be sold to El Paso Natural Gas Company

TEST WITNESSED BY

RECEIVED
JUL 19 1966
OIL CON. COM.
DIST. 3

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 SIGNED R. W. SMITH R. W. 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.
No Core No Drill Stem Test			
Well History - Well was spudded 5-19-66 and drilled to a depth of 367 where 8-5/8" casing was set w/200 sacks "A" cement containing 2% CACL. Well was drilled to a depth of 6205' where 4-1/2" casing was set w/stage tools set at 4299 and 1643. Cemented first stage w/400 sacks "G" cement containing 4% gel & 2 lbs. sodium Tuf Plug per sack followed by 100 sacks "G" neat cement. Cemented 2nd stage w/500 sacks Type "G" cement containing 6% gel and 2 lbs. sodium Tuf Plug per sack followed by 50 sacks "G" neat cement. Cemented 3rd stage w/325 sacks "G" cement containing 6% gel and 2 lbs. sodium Tuf Plug followed by 50 sacks "G" neat cement. Ran tubing and bit and cleaned out well. Displaced hole w/water containing .8% potassium chloride and 2½ lbs. FR-2 per 1000 gals water. Spotted 500 gals 7½% acid. Perforated 6093-99, 6115-20, 6151-60 w/4SPF. 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 frac and rate dropped from 50 BPM to 40 BPM at 3500 lbs. Perforate 6027-33 and 6049-54 w/4SPF. Fraced with 32,760 gallons water treated as above and 20,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Treating pressure 3500, average injection rate 59 BPM. 2-3/8" tubing was landed at 6029' and on 6-25-66 well was completed as shut-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 5989.			

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Log Tops		
Pictured Cliffs	1515	
Lewis Shale	1725	
Mesaverde	3050	
Mancos	4270	
Gallup	5152	
Base Gallup	5703	
Greenhorn	5925	
Graneros Shale	5995	
Graneros Dakota	6024	
Main Dakota	6091	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636