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.

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.: 242

10. FIELD AND POOL, OR WILDCAT: Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SE/4 NW/4 Sec. 24 T28N-R12W

12. COUNTY OR PARISH: San Juan

13. STATE: New Mexico

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: 1500' FNL, 1850' FWL
At top prod. interval reported below
At total depth: SAME

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JUL 13 1966
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

14. PERMIT NO. | DATE ISSUED

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
4/26/66	5/16/66	6/1/66	(RDB) 5707	---

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
6252	6215		→	Surface to 6252	----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 6143-6161, 6190-6198, 6062-6072, 6084-6089 (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#	361	12-1/4"	200 sacks	NONE
4-1/2"	10.5#	6252	7-7/8"	600 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"	6065	

31. PERFORATION RECORD (*Interval, size and number*)
6143-6161, 6190-6198 3 shots per foot
6062-6072, 6084-6089 4 shots per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6143-6198	500 gal acid, 44,830 gal water 50,000 lbs. sand
6062-6089	24,240 gal water 20,000 lbs sand

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
6/1/66	Flowing	Shut In

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/8/66	3	3/4			1004		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
634	1262			8031		

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

TEST WITNESSED BY:

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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 BY H. M. SMITH H. M. Smith TITLE Administrative Assistant DATE 7/11/66

*(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 4/26/66 and drilled to a depth of 361 where 8-5/8" casing was set with 200 sacks Class "A" cement containing 2% CACL. Well was drilled to a depth of 6252 where 4-1/2" casing was set at 6252 with stage tools set at 4431 and 1686. Cemented first stage with 500 sacks type "C" cement containing 6% gel and 2 lbs. medium tuf plug per sack followed by 100 sacks type "C" neat cement. Cemented second stage with 500 sacks type "C" containing 6% gel and 2 lbs. medium tuf plug per sack followed by 50 sacks "C" neat cement. Cemented third stage with 325 sacks "C" containing 6% gel and 2 lbs. medium tuf plug per sack followed by 50 sacks "C" neat cement. Ran tubing and bit and cleaned out. Displaced casing with water containing .8% potassium chloride and 2-1/2 lbs FR-8 per 1,000 gallons water. Spot 500 gallons acid. Perforated 6143-6161 and 6190-6198 with 3 shots per foot. Fraced with 44,830 gallons water treated as above and 40,000 lbs. 20-40 sand and 10,000 lbs. 10-20. Breakdown pressure 1,000, average treating pressure 3230, average injection rate 62 BPM. Dropped 40 ball sealers after 30,000 lbs. sand. Injection rate decreased from 48 BPM at 2600 PSI to 25 BPM at 4100 PSI. After 1 minute injection rate increased to 32 BPM at 3500 PSI and in 2 minutes to 37 BPM at 3900 PSI. After 5,000 lbs. 10-20 sand cleaned pumps to release ball sealers and had final injection rate of 48 to 51 BPM at 3500 PSI. Perforated 6062-6072 and 6084-6089 with 4 shots per foot. Fraced with 24,340 gallons water treated as above and 20,000 lbs. 20-40 sand. Sanded off, no 10-20 sand in formation. No breakdown when pumped at 1200 PSI, average treating pressure 3500, average injection rate 55 BPM. 2-3/8" tubing was landed at 6065 and on 6/1/66 well completed as shut in development gas well Basin Dakota Field. On 6/8/66 well flowed 8031 with tubing pressure flowing 634 and casing pressure flowing 1262 Top pay Dakota 6029.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
LOG TOPS		
Pictured Cliffs	1549	
Lewis Shale	1760	
Mesaverde	3091	
Mancos	4290	
Gallup	5190	
Base Gallup	5655	
Green Horn	5912	
Greneros Shale	6023	
Greneros Dakota	6060	
Main Dakota	6130	

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