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*

5. LEASE DESIGNATION AND SERIAL NO.: SF-078903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

7. UNIT AGREEMENT NAME: Gallegos Canyon Unit

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

8. FARM OR LEASE NAME: " " "

2. NAME OF OPERATOR: Pan American Petroleum Corporation

9. WELL NO.: 244

3. ADDRESS OF OPERATOR: Security Life Building Denver, Colorado

10. FIELD AND POOL, OR WILDCAT: Basin Dakota

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

At surface: 1850 FSL & 2510 FEL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: NW/4 SE/4 Section 36 T28N-R12W

At top prod. interval reported below

At total depth: SAME

RECEIVED
JUN 16 1966
OIL CON. COM.
DIST. 3

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
		San Juan	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
3/23/66	4/6/66	5/12/66	RDB 6047	---

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
6520	6431		→	Surface to 6520	---

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 6410-6435, 6341-6346, 6364-6369 Dakota

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: Induction electric log, 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#	387	12-1/4"	225 sacks	NONE
4-1/2"	10.5#	6515	7-7/8"	1425 sacks	NONE

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	6321	

31. PERFORATION RECORD (*Interval, size and number*)

6410-6435 with 3 shots per foot

6341-6346, 6364-6369 4 shots per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6410-6435	500 gallons 7-1/2% acid 39,816 gal water, 40,000 lbs sand
6341-6369	32,928 gallons 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*)
5/12/66	FLOW	Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/25/66	3 hr.	3/4			389		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
252	684		3116			

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

TEST WITNESSED BY

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 R. L. TOLLEFSON R. L. Tollefson TITLE Administrative Assistant DATE June 8, 1966

*(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 DST Well History			Well was spudded on 3/28/66 and drilled to a depth of 387' where 8-5/8" casing was set with 225 sacks cement containing 2% CACL. Well was drilled to depth of 6515 and 4-1/2" casing was set at that depth with stage tool set at 4660 and 1940. Cemented first stage with 400 sacks type "C" cement containing 6% Gel and 2 lbs. medium tuf plug per sack followed by 100 sacks "C" neat cement. Cemented second stage with 300 sacks type "C" containing 6% Gel and 2 lbs. medium tuf plug per sack followed by 50 sacks type "C" neat cement. Cemented third stage with 325 sacks type "C" cement containing 6% gel and 2 lbs medium tuf plug per sack followed by 50 sacks "C" neat cement. Displaced casing with water containing .8% potassium chloride and 2-1/2 lbs J-100 per1000 gallons and spotted 500 gallons regular 7-1/2% acid. Perforated 6410-6435 with 3 shots per foot. Fraced these perforations with 39,816 gallons water treated as above and 30,000 lbs 20-40 sand and 10,000 lbs 10-20 sand. Breakdown pressure 2300, treating pressure 3300, average injection rate 54 BPM. Bridge plug set at 6390'. Perforated 6341-6346 and 6364-6369 with 6 shots per foot. Fraced these perforations with 32,928 gallons water treated as above and 25,000 lbs, 20440 sand and 5,000 lbs. 10-20 sand. Breakdown pressure 3,500, treating pressure 3,500, average injection rate 48 BPM. 2-3/8" tubing was landed at 6321'. On 5/12/66 well was completed as Basin Dakota Field Development Gas Well. On 5/25/66 well flowed at 3116 MCFD with tubing pressure flowing 252 and casing pressure flowing 684. Top pay Dakota 6302.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
LOG TOPS		
Pictured Cliffs	1811	
Lewis Shale	2040	
Mesaverde	3385	
Mancos	4560	
Gallup	5422	
Base Gallup	6010	
Greenhorn	6262	
Graneros Shale	6303	
Graneros Dakota	6340	
Main Dakota	6400	

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