

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
P. O. Box 480, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **1850' FNL and 1530' F=L**

At top prod. interval reported below

At total depth **Same**

RECEIVED
AUG 30 1966
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

14. PERMIT NO. _____ DATE ISSUED _____

5. LEASE DESIGNATION AND SERIAL NO.
57-080844

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
T. L. Rhodes "C" (USA)

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

11. SEC., T. R., M., OR BLOCK AND SURVEY OF AREA
36 1/4 NE 1/4 Section 30, T-28-N, R-11-W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

15. DATE SPUNDED **6-27-66** 16. DATE T.D. REACHED **7-6-66** 17. DATE COMPL. (Ready to prod.) **7-21-66** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **5935'** 19. ELEV. CASINGHEAD **--**

20. TOTAL DEPTH, MD & TVD **6461'** 21. PLUG, BACK T.D., MD & TVD **6428'** 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY **Surface To 6461'** 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* **6353-73, 6275-84, 6303-08 (Dakota)** 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN
Gamma Ray Correlation Log, 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
8-1/2"	24#	358	12-1/4"	200 Sacks	None
4-1/2"	10.5#	6461	7-7/8"	First Stage 500 Sacks Second Stage 1050 Sacks	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	6294	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6353-73	4 Shots Per Foot	6353-6373	500 Gal. Acid, 40,320 Gal. Water 30,000 lbs. 20-40, 10,000 lbs. 10-20 Sand.
6275-84, 6303-08	4 Shots Per Foot	6275-6308	33,000 Gal. Water, 20,000 lbs. 20-40, 10,000 lbs. 10-20 Sand.

33.* PRODUCTION
DATE FIRST PRODUCTION **7-21-66** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **Flow** WELL STATUS (Producing or shut-in) **Shut-In**

DATE OF TEST **7-29-66** HOURS TESTED **3** CHOKER SIZE **3/4"** PROD'N. FOR TEST PERIOD **---** OIL—BBL. _____ GAS—MCF. **971** WATER—BBL. _____ GAS-OIL RATIO _____

FLOW. TUBING PRESS. **615** CASING PRESSURE **1252** CALCULATED 24-HOUR RATE **---** OIL—BBL. _____ GAS—MCF. **7,767** WATER—BBL. _____

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
ORIGINAL SIGNED BY **L. R. Turner** TITLE **Administrative Clerk** DATE **August 25, 1966**
SIGNED **L. R. Turner**

RECEIVED
SEP 1 1966
OIL CON. COM.
DIST. 3
August 25, 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 38, 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. **Item 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 38. 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						
No Drill Stem Test						
<u>WELL HISTORY</u>			Well was spudded June 27, 1966 and drilled to a depth of 398' where 8-5/8" casing was set with 200 sacks Class "A" cement containing 3% calcium chloride. Well was drilled to a depth of 6461' where 4-1/2" casing was set with stage tools at 4581' and 1948'. 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 1000 sacks Type "C" containing 6% gel and 2 lbs. medium tuf plug per sack followed by 50 sacks "C" neat cement. Circulated to surface. Did not open second stage tool. Displaced hole with water to 2000' and set magnesium cement retainer at 1590'. Squeezed stage tool containing 2% calcium chloride. Cleaned out to 6428'. Displaced hole with water 6 lbs. FR-2 per 1000 gallons. Spot 500 gallons acid and perforate 6353-73 with 4 gallons water treated as above and 30,000 lbs. 20-40 sand and 10,000 lbs. 10-20 treating pressure 4450, average injection rate 42 BPM. Perforated 6275-84 and 6303-06 with 4 shots per foot. Breakdown pressure 1900, average 33,600 gallons water treated as above and 20,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Breakdown pressure 4000, average injection rate 33 BPM. 2-3/8" tubing was well was completed as shut-in Basin Dakota Field Development Gas Well. On July 29, 1966, well flowed 7767 MCFD with tubing pressure flowing 615 and casing pressure flowing 1252. Top pay Dakota 6238'.	LOE TOPS Pictured Cliffs Lewis Shale Mesaverde Mancoos Gallup Base Gallup Greenhorn Graneros Shale Graneros Lakota Main Dakota	1777 1985 3312 4512 5399 5960 6177 6238 6273 6350	sacks Type "C" cement containing .8% potassium chloride and Fraced with 40,320 sand. Breakdown pressure 1900, average with 4 shots per foot. Breakdown pressure 2750, and on July 21, 1966, well flowed 7767 MCFD with

38. GEOLOGIC MARKERS