

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.

5. LEASE DESIGNATION AND SERIAL NO.

ST 080844

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

T. L. Rhodes "C"

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Basin Dakota11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA**SE/4 SE/4 Section 30,
T-28-N, R-11-W**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

P. O. Box 480, Farmington, New Mexico

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

At surface **960' FSL and 1160' FSL**

At top prod. interval reported below

At total depth **Same**

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

9-11-66

16. DATE T.D. REACHED

9-19-66

17. DATE COMPL. (Ready to prod.)

10-16-66

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6026 GL, 6038 RDB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6560'

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

6486'22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY**Surf. to 6560'**

ROTARY TOOLS

CABLE TOOLS

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

6364-74, 6388-96**Graneros Dakota****6442-6468****Main 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#	360'	12-1/4"	225 sacks	None
4-1/2"	10.5#	6481'	7-7/8"	525 sacks (1st stage)	None
		6562'		600 sacks (2nd stage)	
				475 sacks (3rd stage)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	6365'	

31. PERFORATION RECORD (Interval, size and number)

6490-6500'	6 shots per foot
6442-6468'	3 shots per foot
6364-6374'	3 shots per foot
6388-6396'	3 shots per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6490-6500' - 500	gal acid, 30,786 gal water, 30,000
lbs	sand/sec BP at 6486'
6442-6448' - 500	gal acid, 39,440 gal water, 40,000
lbs	20-40 sand & 10,000 lbs 10-20 sand

33.* PRODUCTION (Continued on back)

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-16-66		Flowing				shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-24-66	3	3/4"	→		292		
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	REG. VENT-AP (CORR.)	
187 psig	534 psig	→		2330			

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

SIGNED

G. W. Eaton, Jr.

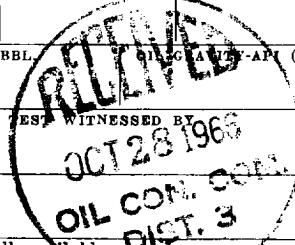
TITLE

Area Engineer

DATE

October 26, 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.)

Depth Interval
6364-6396'
Amount and Kind of Material Used
49,564 gal water and 25,000 lbs
20-40 sand and 5,000 lbs 10-20 sand

No Cores or DST

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
WELL HISTORY -			Well was spudded 9-11-66 and drilled to a depth of 360' where 8-5/8" casing was set at 360' with 325 sacks Class "A" cement with 2% calcium chloride. Well was drilled to a depth of 6560' where 4-1/2" casing was set with stage tools set at 4092 and 1982. Cemented first stage with 450 sacks Type "C" cement with 6% Gel and 2 lbs. medium Tuf Plug per sack followed by 100 sacks Type "C" Mast. Cemented second stage with 600 sacks Type "C" cement with 6% Gel and 2 lbs. medium Tuf Plug per sack followed by 50 sacks Type "C" Mast. Cemented third stage with 450 sacks Type "C" with 6% Gel and 2 lbs. medium Tuf Plug per sack followed by 50 sacks Type "C" Mast. Spotted 500 gallons 7-1/2% acid and perforated Main Dakota 6490-6500 with 6 SPF. SHUT with 30,786 gallons treated water and 25,000 lbs. 20-40 sand and 5,000 lbs. 10-20 sand. Breakdown pressure 2300, average treating pressure 3200 and AIR 52 RPM. 2-3/8" tubing landed at 6485 and tested heavy amounts of water. Pulled tubing, and set permanent cast iron BP at 6486. Perforated Main Dakota 6442-68' with 3 gallons 7-1/2% regular acid. SHUT with 24,916 gallons water treated as above and pressure increased to 3600 and injection rate decreased from 34 to 26 RPM. Shut frac with 34,526 gallons treated water and 17,000 lbs. 20-40 sand and 10,000 lbs. Average treating pressure 3500 and AIR 39.1 RPM. Cleaned out and displaced hole 6364-74 and 6385-96 with 3 SPF. SHUT with 19,908 gallons treated water with 17,000 lbs. SHUT with 19,656 gallons of treated water, 8,000 lbs. 20-40 sand and 3200, average injection pressure 3500, and AIR 39.3 RPM. Ran 2-3/8" tubing completed as a shut in Main Dakota Field development gas well. On 10-24-66 well	Lean Tops Pictured Cliffs Lewis Shale Mauvverde Mauvros Shale Callup Base Callup Greenhorn Graneros Shale Graneros Dakota Main Dakota	1860 1960 3423 4596 5475 5866 6266 6327 6363 6438	
						shots per foot. Spearheaded with 500 and 23,000 lbs. 20-40 sand. Treating down and back flowed well. Resumed 10-20 sand. No breakdown pressure. with treated water. Perforated Graneros Well mudded off. Back Breakdown pres- and landed at 6165. On 10-16-66 well