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 080844

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

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

8. FARM OR LEASE NAME: T. L. Rhodes "B" (U.S.A.)

2. NAME OF OPERATOR: PAN AMERICAN PETROLEUM CORPORATION

9. WELL NO.: 1

3. ADDRESS OF OPERATOR: P. O. Box 480, Farmington, New Mexico

10. FIELD AND POOL, OR WILDCAT: Basin Dakota

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 839' FSL and 2013' FEL
At top prod. interval reported below
At total depth: Same

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

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: NW/4 SE/4 Section 20, T-28-N, R-11-W

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
6-16-66	6-25-66	7-21-66	5686' (RDB)	--

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
6248'	6211'		→	Surf. to 6248'	--

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 6113-42, 6061-72 (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#	359'	12-1/4"	200 sacks	None
4-1/2"	10.5#	6248'	7-7/8"	500 sacks - 1st Stage	None
				600 sacks - 2nd 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"	6070'	

31. PERFORATION RECORD (*Interval, size and number*)
6113-6142' 2 shots per foot
6061-6072' 4 shots per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6113-6142'	500 gal. Acid, 48,300 gal. water
	30,000 20-40, 10,000 10-20 sand
6061-6072'	Did not frac

33.* PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7-29-66	3	3/4"			284		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
1952	1954			2270		

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

RECEIVED
SEP 1 1966
OIL CON. COM.
DIST. 3

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED L. R. Turner (L. R. Turner) TITLE Administrative Clerk DATE 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 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 6-16-66 and drilled to a depth of 359' where 8-5/8" casing was set with 200 sacks Type "A" cement containing 3% calcium chloride. Well was drilled to a depth of 6248' where 4-1/2" casing was set with stage tools set at 4403' and 1815'. Cemented first stage with 400 sacks Class "G" cement containing 6% Gel and 2 lbs. medium Tuf Plug and 100 sacks "G" Neat cement. Cemented second stage with 550 sacks Class "G" containing 6% Gel and 2 lbs. medium Tuf Plug per sack and 50 sacks Neat cement. Ran tubing and bit and cleaned out and displaced hole with water containing 0.8% potassium chloride and 2-1/2 lbs. FR-2 per 1000 gallons. Spotted 500 gallons 7-1/2% acid and perforated 6113-42' with 2 shots per foot. Fraced with 48,300 gallons water treated as above and 30,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. Breakdown pressure 1500, treating pressure 3500, average injection rate 44 BPM. Perforated 6061-72' with 4 shots per foot. Did not frac. 2-3/8" tubing was landed at 6070' and on 7-21-66 well was completed as Main Dakota Field gas development well. On 7-29-66 well flowed 2270 MCFD with tubing pressure flowing 182 and casing pressure flowing 496. Top pay Dakota 6007'.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Log Tops		
Pictured Cliffs	1565'	
Lewis Shale	1780'	
Mesaverde	3100'	
Mancos	4298'	
Gallup	5180'	
Base Gallup	5735'	
Greenhorn	5950'	
Graneros Shale	6008'	
Graneros Dakota	6060'	
Main Dakota	6110'	

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