

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

1525' FNL & 830' FNL

At top prod. interval reported below

At total depth

Same

14. PERMIT NO.

DATE ISSUED

7. UNIT ACREMENT NAME

8. FARM & LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SE/4 NE/4 Section 10, T-30-N, R-13-W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

15. DATE SPUDDED

8-23-66

16. DATE T.D. REACHED

9-5-66

17. DATE COMPL. (Ready to prod.)

10-7-66

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

5814' GL, 5827' RDB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6589'

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

6353'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

Surf. to 6589'

ROTARY TOOLS

CABLE TOOLS

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

6382-96', 6440-54'

6472-80', 6486-6500'

Emmeros Dakota

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#	346'	12-1/4"	225 sacks	None
4-1/2"	10.3#	6589'	7-7/8"	500 sacks - 1st stage	None
				No cement - 2nd stage	
				500 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"	6392'	6238'

31. PERFORATION RECORD (Interval, size and number)

6472-6480'	3 shots per foot
6486-6500'	3 shots per foot
6382-6396'	3 shots per foot
6440-6454'	3 shots per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6472-6500'	500 gals. acid, 32,500 gals. 20-40 sand
6382-6454'	88,472 gals. water, 50,000 1 20-40 sand.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
10-7-66	Flowing	Shut in					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-17-66	3	3/4"			899		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	TEST WITNESSED BY	
571 psig	424 psig			7188			

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

SIGNED

G. W. Eaton, Jr.

TITLE

Area Engineer

DATE

October 24, 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.)

J. P. Bell No. 1

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 CORES NO LOG			
WELL HISTORY			
Well was spudded 8-23-66 and drilled to a depth of 366' where 8-5/8" casing was set with 225 sacks Type "A" cement containing 2% calcium chloride. Well was drilled to a depth of 6589' where 4-1/2" casing was set with stage tools set at 4643' and 2057' Cemented first stage with 400 sacks Type "C" cement containing 6% Gel and 2 lbs. medium Tuf Plug per sack and 100 sacks Type "C" cement. Dropped bomb to open up second stage DW tool and pressured up with 3000 psi and DW tool would not open. Cemented third stage with 450 sacks Type "C" cement with 6% Gel and 2 lbs. medium Tuf Plug per sack followed by 50 sacks Type "C" cement. Circulated 2 barrels of cement and contaminated mud. Cleaned out and circulated casing clean. Spent 500 gallons acid and perforated Main Dakota intervals 6472-6480", 6486-6500' with 3 SPF. Sand-water fine with 32,500 gallons water containing 9.5% potassium chloride and 2-1/2 lbs. FR-2 per 1000 gallons with 20,160 lbs. 20-40 sand. Break-down pressure 3000, circulating pressure 3600-3500 and AIR 45 WPM. Standed off with 20,160 lbs. in formation. Bled well back and flushed. Perforated Graneros Dakota 6302-96' and 6468-54' with 3 SPF and well communicated. Sand-water finished with 80,472 gallons water treated as above and 50,000 lbs. 20-40 sand and 10,000 lbs. 10-20 sand. No breakdown pressure. Average circulating pressure 3300 and AIR 48 WPM. Dropped 15 balls after 20,000 pounds sand and 10 balls after 10,000 lbs. sand. 2-3/8" tubing landed at 6392' and production pecker set at 6238". On 10-7-66 well was completed as a Main Dakota Field flowing gas well. Potential tested 7188 MCFD through a 3/4" choke with TFF 571 and CFF 424 psig.			

38.

GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
LOG TOPS			
Sand & Shale	0		1870
Pictured Cliffs	1870		2012
Lewis Shale	2012		3480
Mancos	3480		4570
Mancos Shale	4570		5518
Gallup	5518		5797
Base Gallup	5797		6262
Greenhorn	6262		6330
Graneros Shale	6330		6380
Graneros Dakota	6380		6471
Main Dakota	6471		6510
Lower Dakota	6510		6580