

Form approved.
Budget Bureau No. 42-R355.5.

(See other instructions on reverse side)

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
Security Life Building - Denver, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface **790' FWL and 1170' FWL**
At top prod. interval reported below
At total depth
Same

5. DATE SPUDDED **3-24-66** **16. DATE T.D. REACHED** **6-4-66** **17. DATE COMPL. (Ready to prod.)** **7-2-66** **18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*** **(RDB) 6606** **19. ELEV. CASINGHEAD** **--**

20. TOTAL DEPTH, MD & TVD **7052** **21. PLUG, BACK T.D., MD & TVD** **7015** **22. IF MULTIPLE COMPL., HOW MANY*** **—>** **23. INTERVALS DRILLED BY ROTARY TOOLS** **Surface to 7052** **CABLE TOOLS** **--**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
6890-7005, 6927-47, 6835-45 (Dakota) **25. WAS DIRECTIONAL SURVEY MADE** **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **Acoustilog, Induction Electric** **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"	10.5#	7052	7-7/8"	500 Sacks - 1st Stage	None
				550 Sacks - 2nd Stage	
				450 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"	6841	

31. PERFORATION RECORD (Interval, size and number)
6890-7005 4 Shots Per Foot
6927-47 4 Shots Per Foot
6835-45 6 Shots Per Foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6890-7005	500 Gallon Acid, 23,100 Gallons water, 13,230 lbs. sand
6927-6947	32,920 Gallon Water, 52,770 lbs. sand, 1000 Gal. Acid, 13,188 Gal. water, 7000 lbs. sand.

33.* PRODUCTION

DATE FIRST PRODUCTION **7-2-66** **PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)** **Flow** **WELL STATUS (Producing or shut-in)** **Shut-in**

DATE OF TEST **7-11-66** **HOURS TESTED** **3 Hr.** **CHOKE SIZE** **3/4"** **PROD'N. FOR TEST PERIOD.** **—>** **OIL—BBL.** **GAS—MCF.** **632** **WATER—BBL.**

FLOW. TUBING PRESS. **488** **CASING PRESSURE** **889** **CALCULATED 24-HOUR RATE** **—>** **OIL—BBL.** **GAS—MCF.** **5058** **WATER—BBL.**

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **To be sold to El Paso Natural Gas Company** **TEST WITNESS** **JUL 19 1966**

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 **H. M. SMITH** **TITLE** **Administrative Assistant** **DATE** **7-7-66**

***(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 36.

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			38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
No Core				Log Tops			
No Drill Stem Test				Pictured Cliffs	2408		
Well History - Well was spudded 5-26-66 and drilled to depth of 346 where 8-3/8" casing was set with 225 sacks "A" cement with 3% CACI. Well was drilled to a depth of 7032 and 4-1/2" casing was set at that depth with stage tools at 3650 and 2500. Cemented first stage with 400 sacks "C" cement containing 65 Gal 4 and 2500. Cemented first stage followed by 100 sacks "C" cement. Cemented 2nd stage with 300 sacks "C" cement containing 65 Gal and 2 lbs. Medium Tuf Plug per sack followed by 30 sacks "C" cement. Cemented 3rd stage with 400 sacks "C" cement containing 65 Gal and 2 lbs. Medium Tuf Plug per sack followed by 30 sacks "C" cement. Run tubing and bit and cemented out well. Dis- placed casing with water containing .5% potassium chloride and 24 lbs. Fr-2 per 1000 gallons water. Spotted 500 gallons regular 7 1/2 acid and perforated 6990-7005 with 4 RTF. Frased with 23,100 gallons water treated as above and 13,230 lbs. 20-40 sand in formation. Break run pressure 3000, treating pressure 3500, average injection rate 41.5 BPM. Perforated 6927-47 w/4 RTF. Frased w/52,920 gallons water treated as above and 4,770 lbs. 20-40 sand and 10,000 lbs 10-20' sand. Breakdown pressure 2650, average treating pressure 3500, average injection rate 49 BPM. Perforated 6835-45 w/6 RTF. Attempted to free but would not break- down at 3500 PSI. Spotted 1000 gals. 15% acid and broke formation. Frased w/ 13,188 gals water treated as above at 7,000 lbs. 20-40 sand. Sand off w/7,000 lbs and on 7-2-66 well was completed as shut in development gas well Basin Dakota Field. On 7-11-66 well flow 5058 MCF w/tubing pressure flowing 408 and casing pressure flowing 882. Top pay Dakota 6805.	Basin Dakota	6805					
				Basin Dakota	6832		
				Basin Dakota	6922		
				Basin Dakota	6990		
				Basin Dakota	7005		
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				Basin Dakota	7125		
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