

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.
SF 078828-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 80202						U. S. GEOLOGICAL SURVEY	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1150 FSL, 1850 FWL, Sec. 14 SE SW At top prod. interval reported below At total depth							
14. PERMIT NO.			DATE ISSUED				
15. DATE SPUDDED 1-11-66		16. DATE T.D. REACHED 1-21-66		17. DATE COMPL. (Ready to prod.) 2-6-66		18. ELEVATIONS (DF, RBB, RT, GR, ETC.)* 5752 RDB, 5738 GR	19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 6292		21. PLUG, BACK T.D., MD & TVD 6258		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY Surface 6292	ROTARY TOOLS CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6104-13, 6118-22, 6174-6202, 6209-18 Dakota							25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN IES, CRS, CR correlation							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#	374	12-1/4"	225 sacks		None	
4-1/2"	10.5#	6292	7-7/8"	500 - 1st stage		None	
				1000 - 2nd stage			
				Stage tool at 4473			
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"	6164	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
6104-13, 6118-22 with 4 shots/ft.				DEPTH INTERVAL (MD)			
6174-6202, 6209-18 with 2 shots/ft.				6174-6218			
				AMOUNT AND KIND OF MATERIAL USED			
				500 gal. 7 1/2% acid			
				20,000 lbs. sand			
				6104-6122			
				20,000 lbs. sand			
33.* PRODUCTION							
DATE FIRST PRODUCTION 2-6-66		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut in) Producing	
DATE OF TEST 2-15-66	HOURS TESTED 3	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD →	OIL—BBL. →	GAS—MCF. 1284	WATER—BBL. →	
FLOW. TUBING PRESS. 796	CASING PRESSURE 1616	CALCULATED 24-HOUR RATE →	OIL—BBL. →	GAS—MCF. 10,268	WATER—BBL. →		OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold to El Paso Natural Gas Company							TEST WITNESSED BY OIL CON. COM. DIST. 3
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 **D. I. TOLLEFSON**TITLE **Administrative Assistant**DATE **2-28-66****D. I. Tollefson**

*(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 Cemented." 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.)

CCU #216

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 DST's taken on this well						
<u>Supplementary well history</u>						
Drilled to 374. Set 8-5/8" 24# casing at 374 with 225 sacks class "A" cement with 2% cacl. Drilled to TD 6292. Set 4 1/2" 10.5# casing at 6292 with stage tool at 4443. Cemented 1st stage with 400 sacks type "C" with 6% gel with 2 lbs. Tuf plug per sack, followed by 100 sacks "C" West. Cemented second stage with 1,000 sacks type "C" with 6% gel and 2 lbs. Tuf plug per sack. Drilled out and cleaned out to FBD 6258. Spotted 500 gal. 7 1/2% acid. Perforated 6209-18, 6174-6202 with 2 shots/ft. Fraced with 49,250 gal. water containing .8% KCL with 2 1/2 lbs. FR-8 per 1,000 gal. with 40,000 lbs. 20-40 sand with 10,000 lbs. 10-20 sand. Breakdown pressure 800. Treating pressure 2810 at 63.5 bbls/min. Set bridge plug at 6155. Perforated 6104-13, 6118-22 with 4 shots/ft. Fraced with 21,440 gal. water treated as above with 15,000 lbs. 20-40 sand and 5,000 lbs. 10-20 sand. No breakdown pressure. Treating pressure 3200 at 60 bbls/min. Cleaned out to FBD 6258. On 2-15-66 well flowed at the rate of 10,268 MCF/day.						
TFF 796. CFF 1616.						
				<u>Lean Tongue</u>		
				Pictured Cliffs	1600	
				Lewis Shale	1795	
				Mesa Verde	3320	
				Mancos	4340	
				Gallup	5238	
				Baca Gallup	5715	
				Greenhorn	6010	
				Greenhorn Shale	6065	
				Greenhorn Dakota	6101	
				Main Dakota	6170	
				TD	6292	