

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.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other _____				5. LEASE DESIGNATION AND SERIAL NO. 14-20-803-1414	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____				6. INDIAN, ALIQUOT, OR TRIBE NAME Navajo Aliottas	
2. NAME OF OPERATOR Pan American Petroleum Corporation				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Security Life Building, Denver, Colorado 80202				8. FARM OR LEASE NAME Wero Gas Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 790 PAL, 790 PAL, Section 19, T26N, R11W At top prod. interval reported below At total depth				9. WELL NO. 1	
14. PERMIT NO.				DATE ISSUED	
15. DATE SPUNDED 6-30-64				16. DATE T.D. REACHED 7-7-64	
17. DATE COMPL. (Ready to prod.) P & A 1/3/66				18. LOCATION (DF, RKB, RT, GR, ETC.)* 6120 RKS	
19. ELEV. CASINGHEAD				20. TOTAL DEPTH, MD & TVD 5938	
21. PLUG BACK T.D. MD & TVD Surface				22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY Surface-5938				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* No Producing intervals	
25. WAS DIRECTIONAL SURVEY MADE No				26. TYPE ELECTRIC AND OTHER LOGS RUN 1ks, Sonic - GR	
27. WAS WELL CORED No				28. CASING RECORD (Report all strings set in well)	
CASING SIZE 8 5/8" 4 1/2"		WEIGHT, LB./FT. 244 10.54		DEPTH SET (MD) 364 5938	
HOLE SIZE 12 1/4" 7 7/8"		CEMENTING RECORD 225 sacks 450 sacks - 1st stage 1000 sacks - 2nd stage stage tool set at 4124		MOUNT PULLED None None	
29. LINER RECORD				30. TUBING RECORD	
SIZE		TOP (MD)		BOTTOM (MD)	
SACKS CEMENT*		SCREEN (MD)		SIZE	
DEPTH SET (MD)		PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number) 5904-18 with 4 shots/ft.				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. 5904-18 250 GALLONS 20% MCMF USED CLIVED FEB 7 1966	
33.* PRODUCTION				OIL CON. COM.	
DATE FIRST PRODUCTION No production		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or Abandoned) Permanently Abandoned			
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
OIL—BBL.		GAS—MCF.		WATER—BBL.	
OIL GRAVITY-API (CORR.)		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY	
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 D. I. Tollefson Administrative Assistant Feb. 1, 1966					
DATE					

*(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.)

Waco Gas Unit Well #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 RTT's run on this well.			
Supplementary Well History.			
Drilled to 365'. Cemented 8 5/8" 240 J-55 STMC Casing at 365 with 225 sacks Type "A" Best with 21 Cactl. Drilled to TD 5938 and set 8 5/8" 240 J-55 STMC Casing at 5938 with stage collar at 4124. Cemented first stage with 350 sacks Type "C" with 6% gel with 2 lbs. Tuf plug per sack followed by 100 sacks Type "C" Best. Cemented second stage with 1000 sacks Type "C" with 6% gel with 2 lbs. Tuf plug per sack. Spotted 250 gallons of water and 30,000 sand. Breakdown shots/ft. Fraced with 36,624 gallons of water and 30,000 sand. Breakdown pressure 3400. Trusting pressure 2900 at 45 Bbls/Mm and 3350 at 40 Bbls/Mm. Cleaned out and scrubbed 9 hours, but well did not kick off. Shubbbed for 26 1/2 hours and well kicked off with 1000 CFF. Well flowed for 15 hours and died. Upon continued scrubbing well would flow after a few hours sub. Reamed shaz in until 1-3-66 when well was loaded with 75 Bbls water and circulated clean. Spotted 30 sacks Type "C" Best cement 5700-5928 and squeezed with 50 lbs. Spotted 10 sacks Type "C" Best from surface to 100'. Erected P & A marker.			

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Log Top		
Pictured Cliffs	1310	
Lewis Shale	1600	
Mauverde	2985	
Mancos	4038	
Galleg	4862	
Base Galleg	5325	
Greenhorn	5747	
Greenhorn Shale	5803	
Greenhorn Dakota	5835	
Main Dakota	5900	
TD	5938	