

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. MM-03039	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR PAN AMERICAN PETROLEUM CORPORATION		7. UNIT AGREEMENT NAME Marathon Unit	
3. ADDRESS OF OPERATOR P. O. Box 480, Farmington, New Mexico		8. FARM OR LEASE NAME Edith A. Payne	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1720' PNL & 1090' PNL At top prod. interval reported below At total depth Same		9. WELL NO. 1	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 11-18-66		16. DATE T.D. REACHED 11-29-66	
17. DATE COMPL. (Ready to prod.) 12-17-66		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6689 GL, 6702 RKB	
19. ELEV. CASINGHEAD --		10. FIELD AND POOL, OR WILDCAT Main Dakota	
20. TOTAL DEPTH, MD & TVD 6723'		21. PLUG, BACK T.D., MD & TVD 6687'	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY Surf. to 6723'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6502-66', 6528-34' Graneros Dakota; 6578-88', 6597-6607' Main Dakota; 6663-70' Lower 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)			
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	24.5	351'	12-1/4"
4-1/2"	18.34	6723'	7-7/8"
CEMENTING RECORD		AMOUNT PULLED	
225 sacks		None	
550 sacks (1st Stage)		None	
50 sacks (2nd Stage)			
600 sacks (3rd Stage)			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD		PACKER SET (MD)	
SIZE	DEPTH SET (MD)		
2-3/8"	6316'		
31. PERFORATION RECORD (Interval, size and number)			
6663-6670' 6 shots per foot			
6597-6607' 3 shots per foot			
6578-6588' 3 shots per foot			
6528-6534' 4 shots per foot			
6502-6508' 4 shots per foot			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
6663-6670'		500 gal acid, 37,388 gal water, 25,000 lb 20-40 & 5,000 lb 10-20	
6578-6607'		500 gal acid, 48,728 gal water, 40,000 lb 20-40 & 10,000 lb 10-20	
33. PRODUCTION			
DATE FIRST PRODUCTION 12-17-66		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
WELL STATUS (Producing or shut-in) Shut In			
DATE OF TEST 12-27-66	HOURS TESTED 3	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD 171
FLOW, TUBING PRESS. 112 psia	CASING PRESSURE 513 psia	CALCULATED 24-HOUR RATE 1365	
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

A. A. Stowell

TITLE

Petroleum Engineer

DATE

December 30, 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, State, 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 25 and 26, and 28, below regarding separate reports for separate completions.

If not filed prior to the time this summary report is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations, and geophysical 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 38.

Section 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 thickness (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 31 Cont'd.

6502-6534	296 gpi acid,	46,032 gal water,	30,000 lb 20-40 & 10,000 lb 10-20 acid.
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2000

1990

337. 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	TOP VERT. DEPTH
Hell was spudded 11-18-46 and drilled to a depth of 351' where 8-3/8" casing was set with 225 sacks Type "G" cement containing 2% opacium whiterite. Well was drilled to a depth of 6723' where 4-1/2" casing was set with stage tools joint at 4883' and 2160'. Cemented first stage with 450 sacks Type "G" cement containing 4% oil and 2 lbs. Red Plug per sack followed by 189 sacks Type "G" cement. Tripped IV tool but could not circulate. Cemented second stage with 50 sacks Type "G" cement and closed IV tool. Cemented third stage with 550 sacks Type "G" cement containing 2% oil and 2 lbs. Red Plug per sack followed by 50 sacks Type "G" cement. Cemented no cement. Closed off and circulated casing column. Spudded 300 gal 7-1/2% acid and perforated Lucas Rebar 6443-70 with 6 HW. Sand-spacer cement with 37,300 gallons water containing 0.4% potassium chlorate and 3-1/2 lbs. 70-3 per 100 gallons which 25,000 lbs. 20-40 and 3,900 lbs. 10-20 sand. Brackham pressure 2450, average circulating 3500 and API 20 sec. Perforated Lucas Rebar 6576-81 and 6577-667' with 3 HW. Spaced out with 500 gallons 7-1/2% acid and sand-spacer spaced with 40,724 gallons cement water with 40,000 lbs. 20-40 and 10,000 lbs. 10-20 sand. Brackham pressure 2200, average circulating 3500 and API 24 sec. Perforated Lucas Rebar 6581-86 and 6587-84 with 4 HW. Spaced out with 500 gallons 7-1/2% acid and sand-spacer with 30,000 lbs. 20-40 and 10,000 lbs. 10-20 sand. Brackham pressure 3450, average circulating 3450 and API 25 sec. In about in 2160'. Drilled old bridge piers and set 2-3/8" tubing at 6516'. On 12-17-46 well was completed as a Main Hole flowing gas well. Potential started 1545 WSP through a 3/4" choke with TVF 100 psig and CVF 301 psig.	Lead & Shale Fractured Cliffs Lewis Shale Mudstone Masses Shale Chalky Base Chalky Greenhorn Granular Shale Granular Shales Main Dakota Lower Dakota	0 2060' 2160' 2964' 4883' 5394' 5942' 6416' 6471' 6499' 6576' 6659' 6723'	2060' 2160' 2964' 4883' 5394' 5942' 6416' 6471' 6499' 6576' 6659' 6723'			

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