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NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company Pan American Petroleum Corporation				Address Box 480, Farmington, New Mexico			
Lease Buff Gas Unit "C"	Well No. 1	Unit Letter M	Section 27	Township 30-N	Range 12-W		
Date Work Performed	Pool Basin Dakota			County San Juan			

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☒ Casing Test and Cement Job
 ☐ Other (Explain): **Well History**
☐ Plugging
 ☐ Remedial Work
 8-5/8" and 4-1/2"

Detailed account of work done, nature and quantity of materials used, and results obtained.

This well spudded January 30, 1964, and drilled to a depth of 383'. 8-5/8" casing was set at that depth with 275 sacks of cement. After waiting on cement tested casing to 500 psi. Test OK. Reduced hole to 7-7/8" and resumed drilling.

Cored 6150-6188' and recovered 38' of Dakota as follows: 6150-61' clean sand; 6161-68' sandy shale; 6168-74' very shaly sand; and with vertical fractures throughout.

Cored 6188-6211' and recovered 23' of Dakota as follows: 6188-94' very shaly sand; 6194-6211' very sandy and silty shale; and with vertical fractures throughout.

Cored 6211-71' and recovered 59' as follows: 6211-18' very sandy shale; 6218-24' shale (vertically fractured); 6224-25' shaly sand; 6225-52' sand with some shale laminations; 6252-54' shaly sand; 6254-57' sand with shaly laminations; 6257-67' shale with thin sand bedding; 6267-71' shale.

Well drilled to total depth of 6365', and 4-1/2" casing was set at that depth (see reverse side)

Witnessed by	Position	Company
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FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P BTD	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter		
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

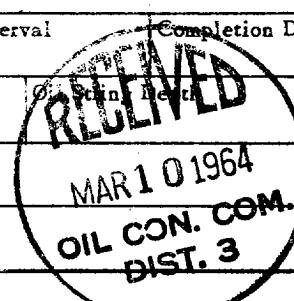
RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved by Original Signed By A. R. KENDRICK	Name Fred L. Nabors <small>GENERAL MANAGER F. L. KENDRICK</small>
Title PETROLEUM ENGINEER DIST. NO. 3	Position District Engineer
Date MAR 10 1964	Company Pan American Petroleum Corporation



with stage collar at 4516'. First stage cemented with 400 sacks cement containing 6% gel and 2 pounds medium Tuf Plug per sack followed by 100 sacks cement neat. Second stage cemented with 1100 sacks cement containing 6% gel and 2 pounds medium Tuf Plug per sack. Tested casing to 3500 pounds for 15 minutes, held ok. Completion operations began.

Perforated 6228-48' with 2 shots per foot. Fractured formation on second attempt with 44,600 gallons of water containing 1% calcium chloride and 7 pounds J-114 per 1000 gallons and 28,740 pounds 20-40 mesh sand followed by 6300 pounds 10-20 mesh sand. Pressures: Maximum 3800, minimum 3500, average injection rate 24.6 BPM. Set bridge plug at 6195, and tested to 3500 psi. Perforated 6152-62' with 4 shots per foot. Fractured this perforation with 30,000 gallons of water treated as above and 15,000 pounds 20-40 mesh sand and 5,000 pounds 10-20 mesh sand. Pressures: Breakdown 1900, maximum 3600, minimum 3400, average injection rate 25.5 BPM.

2-3/8" tubing landed at 6165'.

Well completed March 1, 1964, as Basin Dakota Field development well.

Preliminary test: 1500 MCFD.