

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 Sullivan Gas Unit	Well No. 1	Unit Letter M	Section 22	Township T-32-N	Range R-10-W
Date Work Performed	Pool Blanco Mesaverde		County San Juan		

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☒ Other (Explain): **Supplementary Well History (Workover Operations)**
- ☐ Plugging ☐ Remedial Work

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

Total depth 5300' plug back depth 5178' - Moved in and rigged up workover rig and pulled tubing. Cleaned out to 5245'. Ran 5" liner with Baash Ross Plain type and hit bridge at 5236'. Set liner 4460-5224' with 185 sacks 6 percent gel cement containing 1-1/2 pounds tuf plug per sack. Ran 6-1/4" bit to top of liner and found no cement. Tested top of liner and pumped 6-1/2 barrels per minute at 1300 psi. Ran RTTS Packer and set at 4375' and squeezed top of liner with 100 sacks of cement. Squeezed 79 sacks at 2500 psi and reversed out excess. Tested 7" casing above packer with 2100 psi, which held with no indication of pressure drop. Pulled packer. Waited on cement 12 hours. Found top of cement at 4365'. Drilled cement with 6-1/4" bit to top of 5" liner 4460'. Tested top of 5" liner and 7" casing with 2500 psi for 30 minutes which held with no indication of pressure drop. Cleaned out 5" liner to 5178'. Ran correlation log and perforated point lookout with 2 shots per foot 5019-5039', 5051-5059', 5065-5069', 5079-5087', 5094-5100', 5114-5126', 5127-5143', 5151-5157'. Attempted to sandwater frac, but unable to breakdown at 2500 psi. Spotted 300 gallons of BDA across perforations. Reattempted to sandwater frac, but unable to obtain adequate rate. Spotted 300 gallons of BDA. Sandwater fracked point lookout zone with 46,600 gallons of water and 70,000 pounds sand. No breakdown.

Witnessed by	Position	Company
		(See reverse side)

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA				
D F Elev. 5900'	T D 5300'	P B T D - -	Producing Interval 4590-4610 5010-5150	Completion Date June 28, 1954
Tubing Diameter 2-3/8"	Tubing Depth 5231'	Oil String Diameter 7"	Oil String Depth 4559'	
Perforated Interval(s) Shot formation from 4610 to 5300' open with 2084 quarts Hercules slow detonating explosive.				
Open Hole Interval 4559-5300'		Producing Formation(s) Blanco Mesaverde		

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	July 22, 1960	- - -	115	NONE	- - -	115
After Workover	April 19, 1961	- - -	2908	NONE	- - -	2908

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 Emery C. Arnold	Name ORIGINAL SIGNED BY R. M. Bauer, Jr.
Title Supervisor Dist. # 3	Position Senior Petroleum Engineer
Date MAY 10 1961	Company Pan American Petroleum Corporation

RECEIVED

MAY 10 1961

Maximum treating pressure 2500 psi, minimum treating pressure 1800 psi, average injection rate 56 barrels per minute. Set bridge plug at 4720'. and tested with 2400 psi, which held with no indication of pressure drop. Perforated all through zone with 2 shots per foot 4601-4607', 4613-4629', 4635-4647', 4653-4657', 4664-4670'. Sandwater tracked with 46,000 gallons water, and 40,000 pounds sand. Breakdown pressure 1650 psi, maximum treating pressure 2200 psi, minimum treating pressure 1700 psi, average injection rate 56 barrels per minute. Drilled out bridge plug at 4720'. Landed tubing at 5170'. Preliminary test 2908 MCF per day. Potential test after workover will be filled on form C-122-A.