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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 <b>Pan American Petroleum Corporation</b>		Address <b>Box 480, Farmington, New Mexico</b>	
Lease <b>Valentine Gas Unit</b>	Well No. <b>1</b>	Unit Letter <b>A</b>	Section <b>32</b>
		Township <b>T-32-N</b>	Range <b>10</b>
Date Work Performed <b>10-14-61 to 11-4-61</b>	Pool <b>Blanco Mesaverde</b>	County <b>San Juan</b>	
THIS IS A REPORT OF: (Check appropriate block)			
<input type="checkbox"/> Beginning Drilling Operations	<input type="checkbox"/> Casing Test and Cement Job	<input type="checkbox"/> Other (Explain):	
<input type="checkbox"/> Plugging	<input checked="" type="checkbox"/> Remedial Work		
Detailed account of work done, nature and quantity of materials used, and results obtained. Moved in workover rig, pulled tubing, ran tubing and bit to clean out to 4485', pulled tubing and bit, set drillable bridge plug at 4300', loaded hole with water and ran inspection log. Tested 7" casing with packer and found leaks at surface, 447-449' and 560-564'. Mudded up and ran free point survey with free point at 2525', cut 7" casing at 2450' and pulled. Ran bit and conditioned hole to top of 7" casing stud and ran milling shoe to dress top of stud. Ran 7" casing (replaced 43 bad joints) and casing bowl with stage cementing tool and set on stud. Tested casing bowl with 2500 psi ok, opened cementing ports and cemented 7" casing with 500 sacks 6 percent gel cement containing 1-1/2 pounds Tuf Plug per sack followed by 50 sacks neat. Circulated 25 sacks cement at surface. Drilled out cementing tool and tested 7" casing to 2500 psi ok. Displaced fluid with gas and cleaned out to 5289', testing open hole flow at 858 MCF per day. Ran 4" flush joint liner with hanger, set at 4196-5289', and cemented with 75 sacks 6 percent gel cement containing 1-1/2 pounds Tuf Plug per sack followed by 25 sacks neat cement. Squeezed top of liner with 125 sacks cement, leaving 93 sacks behind liner, reversing out 2 sacks, and leaving 30 sacks in casing. Ran bits and cleaned out cement to plug back depth of 5255'. Tested casing and liner to 2500 psi ok, spotted 300 gallons breakdown acid, and ran correlation log. Perforated point lookout (see reverse)			
Witnessed by	Position	Company	

### FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

#### ORIGINAL WELL DATA

D F Elev. <b>6010' (RUB)</b>	T D <b>5289'</b>	P B T D <b>5255'</b>	Producing Interval <b>Mesaverde</b>	Completion Date <b>November 4, 1961</b>
Tubing Diameter <b>2-3/8" and 2-1/16"</b>	Tubing Depth <b>5118'</b>	Oil String Diameter <b>7" and 4"</b>	Oil String Depth <b>5289'</b>	
Perforated Interval(s) <b>4646-4656', 4664-4669', 4692-4718' and 5103-5111', 5121-5126', 5154-5176'.</b>				
Open Hole Interval <b>None - 4" liner set 4196-5289'</b>		Producing Formation(s) <b>Cliffhouse and Point Lookout</b>		

#### 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	<b>July 21, 1961</b>	<b>1</b>	<b>340</b>	<b>1/4</b>	<b>- - -</b>	<b>- - -</b>
After Workover	<b>November 4, 1961 available</b>	<b>Not connected</b>	<b>Not connected</b>	<b>NONE</b>	<b>- - -</b>	<b>3,311</b>

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

OIL CONSERVATION COMMISSION		Name <b>R. M. Bauer, Jr.</b>	
Approved by <b>Original Signed Emery C. Arnold</b>		ORIGINAL SIGNED BY <b>R. M. Bauer, Jr.</b>	
Title <b>Supervisor Dist. # 3</b>		Position <b>Senior Petroleum Engineer</b>	
Date <b>NOV 8 1961</b>		Company <b>Pan American Petroleum Corporation</b>	

with 2 shots per foot 5103-5111, 5121-5126, and 5154-5176, and fracked with 25,000 gallons water and 23,000 pounds of sand with initial treatment on vacuum, average pressure 2900 psi and injection rate 40 barrels per minute. Blow basket out of blow-out-preventer at end of treatment and left 6000 pounds of sand in casing. Cleaned out hole with gas and gauged 869 MCF per day from Point Lookout. Ran well and cleaned out top of liner, set bridge plug at 4765', and perforated Cliffhouse with 2 shots per foot 4646-4656, 4664-4669, and 4692-4718. Attempted to free, pumped 500 gallons breakdown acid down casing, and fracked with 34,000 gallons water and 40,000 pounds of sand. Average treating pressure was 2100 psi and injection rate 58 barrels per minute. Ran bit and cleaned out with gas to bridge plug and tested 3847 MCF per day from Cliffhouse. Drilled and filled on bridge plug, dumped 110 gallons annular, filled and pushed bridge plug to bottom and blew well to clean out. Ran production tubing string (2-1/16" and 2-3/8") and landed at 5118'. Tested well for 3911 MCF per day with tubing pressure flowing 175 psi and casing pressure flowing 500 psi, after 4 hours flow on November 4, 1961.