

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Pan American Petroleum Corporation			Lease Eva Owen "B"			Well No. 4	
Location of Well	Unit 1	Sec 34	Twp 21	Rge 37	County Lea		
	Name of Reservoir or Pool		Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tbg or Csg)	Choke Size	
Upper Compl	Elmshury		Gas	Flow	Gas	—	
Lower Compl	Brickyard		Oil	Flow	Tbg	32/64	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:00 AM 3-5-63

Well opened at (hour, date): <u>10:00 AM 3-6-63</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>1200</u>	<u>450</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>1200</u>	<u>450</u>
Minimum pressure during test.....	<u>1150</u>	<u>450</u>
Pressure at conclusion of test.....	<u>1150</u>	<u>450</u>
Pressure change during test (Maximum minus Minimum).....	<u>130</u>	<u>0</u>
Was pressure change an increase or a decrease?.....	<u>Decrease</u>	
Well closed at (hour, date): <u>1:00 PM 3-6-63</u>	Total Time On Production	<u>3 hours</u>
Oil Production	Gas Production	
During Test: <u>3.5</u> bbls; Grav. <u>54.2 API</u> ;	During Test <u>143</u> MCF; GOR	<u>41,000</u>

Remarks _____

FLOW TEST NO. 2

Well opened at (hour, date): <u>4:00 PM 3-6-63</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>1200</u>	<u>450</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>1200</u>	<u>450</u>
Minimum pressure during test.....	<u>1200</u>	<u>50</u>
Pressure at conclusion of test.....	<u>1200</u>	<u>50</u>
Pressure change during test (Maximum minus Minimum).....	<u>0</u>	<u>400</u>
Was pressure change an increase or a decrease?.....		<u>Decrease</u>
Well closed at (hour, date): <u>10:00 AM 3-7-63</u>	Total time on Production	<u>18 hours</u>
Oil Production	Gas Production	
During Test: <u>0.2</u> bbls; Grav. <u>36.2 API</u> ;	During Test <u>00.4</u> MCF; GOR	<u>9000</u>

Remarks _____

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

Approved _____ 19 _____ Operator Pan American Petroleum Corporation
New Mexico Oil Conservation Commission By _____

By _____ Title Area Engineer
Date March 8, 1963

NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. The test shall be commenced on each multiple completion well immediately after actual completion of the well, and immediately thereafter as directed by the order authorizing the multiple completion. The test shall be commenced on all multiple completions within seven days of completion and/or chemical or fracture treatment, and where a packer has been done on a well during which the packer or the tubing has been damaged. Tests shall also be taken at any time that may be requested or when requested by the Commission.

2. The test shall be commenced on or to the commencement of any partial leakage test, and the Commission is authorized to require the exact time and date of the test. Offset operators shall also be so notified.

3. The test shall commence when both zones of the dual completion are ready for pressure stabilization. Both zones shall remain shut-in until the flowing wellhead pressure has become stable and the dead pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in for more than 24 hours.

4. The test shall be conducted on one zone of the dual completion while the other zone remains shut-in, and the test shall be continued until the flowing wellhead pressure has become stable and the dead pressure in each has stabilized and for a minimum of two hours thereafter, provided however, that they need not remain shut-in for more than 24 hours.

5. During completion of Flow Test No. 1, the well shall again be shut-in and shall remain with Paragraph 1 above.

6. Flow Test No. 2 shall be conducted over a zone in which was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the previously shut-in zone is produced.

7. All pressures throughout the entire test shall be continuously measured and recorded with recording pressure gauges. The accuracy of the test shall be checked with a deadweight tester at least twice, once at the beginning and once at the end of each flow test.

8. The results of the above-described test shall be filed in triplicate within 15 days after completion of the test. The results shall be filed with the appropriate District Office of the New Mexico State Land Office, located in Southeast New Mexico Packer Leakage Test Form, Revised 1-1-58, together with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may construct a pressure versus time curve for each zone of each test, indicating thereon all pressure readings which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the operator's files. Form 0-115 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-cutting test period.

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