

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Amerada Petroleum Corporation			Lease State "Q"			Well No. 1	
Location of Well	Unit J	Sec 16	Twp 20 S	Rge 37 E	County Lea		
Name of Reservoir or Pool		Type of Prod (Oil or Gas)	Method of Prod (Flow, Art Lift)		Prod. Medium (Tbg or Csg)		
Upper Compl	Grayburg		Oil		Pump		
Lower Compl	Monument Tubb		"		"		

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:00 A.M. 8-27-62

	Upper Completion	Lower Completion
Well opened at (hour, date):	<u>9:00 A.M. 8-28-62</u>	
Indicate by (X) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>530</u>	<u>170</u>
Stabilized? (Yes or No).....	<u>No</u>	<u>No</u>
Maximum pressure during test.....	<u>530</u>	<u>210</u>
Minimum pressure during test.....	<u>20</u>	<u>170</u>
Pressure at conclusion of test.....	<u>20</u>	<u>210</u>
Pressure change during test (Maximum minus Minimum).....	<u>510</u>	<u>40</u>
Was pressure change an increase or a decrease?.....	<u>Decrease</u>	<u>Increase</u>
Well closed at (hour, date):	<u>9:00 A.M. 8-29-62</u>	
Oil Production	Total Time On Production <u>24 hours</u>	
During Test: <u>23.50</u> bbls; Grav. <u>30.8 @ 60° F</u>	Gas Production	During Test <u>77.613</u> MCF; GOR <u>3303</u>
Remarks <u>Grayburg oil showed 22% water on test.</u>		

FLOW TEST NO. 2

	Upper Completion	Lower Completion
Well opened at (hour, date):	<u>9:00 A.M. 8-30-62</u>	
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>550</u>	<u>240</u>
Stabilized? (Yes or No).....	<u>No</u>	<u>No</u>
Maximum pressure during test.....	<u>670</u>	<u>240</u>
Minimum pressure during test.....	<u>550</u>	<u>5</u>
Pressure at conclusion of test.....	<u>670</u>	<u>5</u>
Pressure change during test (Maximum minus Minimum).....	<u>120</u>	<u>235</u>
Was pressure change an increase or a decrease?.....	<u>Increase</u>	<u>Decrease</u>
Well closed at (hour, date):	<u>9:00 A.M. 8-31-62</u>	
Oil Production	Total time on Production <u>24 hours</u>	
During Test: <u>48.52</u> bbls; Grav. <u>37.2 @ 60° F</u>	Gas Production	During Test <u>74.788</u> MCF; GOR <u>1541</u>
Remarks <u>Tubb oil showed 34% water on test.</u>		

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

Approved _____ 19 _____
New Mexico Oil Conservation Commission

Operator Amerada Petroleum Corporation

By A. E. Snyder

Title District Engineer

Date September 4, 1962

By _____
Title _____

Form 2-116 SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. Packer leakage tests shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following completion and/or chemical or fracture treatment, and when ever reworked, and has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Commission.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Commission in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. Pressure recording shall commence when both zones of the dual completion are open for pressure stabilization. Both zones shall remain shut-in until the wellhead 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. For each test, one zone of the dual completion shall be produced at the test wellhead while the other zone remains shut-in. Such test shall continue until the flowing wellhead pressure has become stabilized for a minimum of two hours thereafter, provided however that the test may be continued for more than 24 hours.

5. Following completion of Flow Test No. 1, the well shall be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted upon completion of the well, as indicated during Flow Test No. 1. Procedure for Flow Test No. 2 shall 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 which must be checked with a deadweight tester at least twice each at the beginning and once at the end of each flow test.

8. The results of the above-described tests shall be filed with the Commission within 10 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Division of the Commission or Southeast New Mexico Packer Leakage Test Data Report Form 2-116, together with the original pressure recording gauge charts with a copy of the deadweight pressures which were taken indicated thereon. In lieu of filing the aforesaid charts, the operator may submit a pressure versus time curve for each zone of each test, indicating thereon any pressure changes which may be reflected by the gauge charts as well as a deadweight pressure readings which were taken. If the pressure curve is submitted, the original chart must be permanently filed in the District Office. Form 2-116 shall also accompany the test results when the test period coincides with a gauge chart test period.