

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Sinclair Oil & Gas Company			Lease Roy Barton			Well No. 3	
Location of Well	Unit H	Sec 23	Twp 21 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)	Choke Size	
Upper Compl	Drinkard		Oil	Flow	Tbg	20/64	
Lower Compl	Wants Abo		Oil	Flow	Tbg	23/64	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 12:30 P.M. Feb. 7, 1966

Well opened at (hour, date): 10:45 A.M. Feb. 8, 1966

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	586	535
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	624	535
Minimum pressure during test.....	586	50
Pressure at conclusion of test.....	624	70
Pressure change during test (Maximum minus Minimum).....	38	485
Was pressure change an increase or a decrease?.....	Increase	Decrease
Well closed at (hour, date): <u>5:30 P.M. Feb. 8, 1966</u>	Total Time On Production <u>6 3/4 hours</u>	
Oil Production	Gas Production	
During Test: <u>13</u> bbls; Grav. <u>42</u> ;	During Test <u>37</u> MCF; GOR <u>2846</u>	
Remarks _____		

FLOW TEST NO. 2

	Upper Completion	Lower Completion
Well opened at (hour, date): <u>11:30 A.M. Feb. 9, 1966</u>		
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	689	681
Stabilized? (Yes or No).....	Yes	No
Maximum pressure during test.....	689	725
Minimum pressure during test.....	50	627
Pressure at conclusion of test.....	80	627*
Pressure change during test (Maximum minus Minimum).....	639	98
Was pressure change an increase or a decrease?.....	Decrease	Increase
Well closed at (hour, date): <u>7:30 A.M. Feb. 10, 1966</u>	Total time on Production <u>20 hours</u>	
Oil Production	Gas Production	
During Test: <u>35</u> bbls; Grav. <u>39.5</u> ;	During Test <u>105</u> MCF; GOR <u>3000</u>	
Remarks <u>* Lower zone started logging after 6 1/2 hours.</u>		

Annual test.

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 Sinclair Oil & Gas Company

By A. L. Smith

by _____
Title _____

Title Tester - Oil Reports & Gas Services

Date February 14, 1966

EAST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiple 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 re-completion and/or chemical or fracture treatment, and whenever remedial work 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. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized and for a minimum of two hours hereafter, provided however, that they need not remain shut-in more than 24 hours.
4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.
5. The completion of flow test No. 1, the test shall not be shut-in, in accordance with Paragraph 3 above.
6. Flow Test No. 2 shall be conducted even though no leak 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 which must 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 tests shall be filed with the Commission within 15 days after completion of the test. Tests shall be filed with the appropriate District Office of the New Mexico Oil Conservation Commission on 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 the deadweight changes which may be reflected by the gauge charts as well as the deadweight pressure readings which were taken. If the pressure charts are submitted, the original chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Packer Leakage Test report when the test period coincides with a gas-oil ratio test period.