

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Sinclair Oil & Gas Company			Lease E.L. Steeler WM			Well No. 2	
Location of Well	Unit H/V	Sec 19	Twp 23-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	Jalnet		Gas	Flow	Gas	2 1/4	
Lower Compl	Langlie Mattix		Oil	Flow	Tbg	32/64	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 11:55 A.M. 2-22-65

Well opened at (hour, date): <u>11:15 A.M. 2-23-65</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>530</u>	<u>20</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>535</u>	<u>20</u>
Minimum pressure during test.....	<u>530</u>	<u>20</u>
Pressure at conclusion of test.....	<u>535</u>	<u>20</u>
Pressure change during test (Maximum minus Minimum).....	<u>5</u>	<u>0</u>
Was pressure change an increase or a decrease?.....	<u>Increase</u>	<u>Decrease</u>
Well closed at (hour, date): <u>4:10 P.M. 2-23-65</u>	Total Time On Production	
Oil Production	Gas Production	
During Test: <u>0</u> bbls; Grav. <u>-</u> ;	During Test <u>0</u> MCF; GOR <u>-</u>	
Remarks <u>Langlie Mattix did not produce, but results of tests indicate packer is separating the two zones properly.</u>		

FLOW TEST NO. 2

Well opened at (hour, date): <u>8:30 A.M. 2-24-65</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>535</u>	<u>20</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>535</u>	<u>20</u>
Minimum pressure during test.....	<u>315</u>	<u>20</u>
Pressure at conclusion of test.....	<u>460</u>	<u>20</u>
Pressure change during test (Maximum minus Minimum).....	<u>190</u>	<u>0</u>
Was pressure change an increase or a decrease?.....	<u>Decrease</u>	<u>No Change</u>
Well closed at (hour, date): <u>10:00 A.M. 2-25-65</u>	Total time on Production <u>25 Hrs. 30 Mins.</u>	
Oil Production	Gas Production	
During Test: <u>0</u> bbls; Grav. <u>-</u> ;	During Test <u>175</u> MCF; GOR <u>-</u>	
Remarks		

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

Approved <u>19</u>	Operator <u>Sinclair Oil & Gas Company</u>
New Mexico Oil Conservation Commission	By <u></u>
By <u></u>	Title <u></u>
Title <u></u>	Date <u></u>

SOUTHEAST NEW MEXICO PACKER LEAKAGE T INSTRUCTIONS

1. A packer leakage test shall be commenced on a well multiply completed well within seven days after initial production of the well, and annually thereafter as prescribed by the order authorizing the well's completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion 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 thereafter, 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. Following completion of the test run, the well shall again be shut-in, in accordance with the procedure set forth above.

6. This Test No. 1 was not reported even though no leaf was indicated during this test. The same plant as in Plant Test No. 2 is to be the same as for Plant Test No. 1. The previously produced zone shall remain available for use as a 2 spot-in zone is produced.

7. All pressure gauges used in the entire test, shall be continuously measured and checked by recording pressure gauges, the accuracy of which shall be checked by a deadweight tester at least twice once at the beginning and once at the end of each flow test.

8. The results of all pressure and leak tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate Oil Conservation Office of the New Mexico Oil Conservation Commission on Standard Form No. 1, Barker Leakage Test Form Revised 11-1-58, together with a copy of the original gauge recording gauge charts with all the deadweight weights and pressure gages taken indicated thereon. In lieu of filing the original gauge chart, the operator may construct a pressure versus time graph from the data on the gauge chart, indicating thereon all pressure changes and the time of each change. The gauge charts as well as all deadweight pressure gages shall be taken. If the pressure curve is submitted, the original gauge chart shall be permanently filed in the operator's office. The original gauge chart shall accompany the Barker Leakage Test Form when the test is conducted with a gas-well rate to test period.