

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator SKELLY OIL COMPANY			Lease E. T. Johns			Well No. 1		
Location of Well	Unit L	Sec 21	Twp 24 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	JALMAT		GAS	FLOW		CSC		1"
Lower Compl	LANGLEY MATTIX		OIL	ART LIFT		TBG		2"

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:30 AM 3-22-65

Well opened at (hour, date): <u>9:30 AM 3-23-65</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		<u>XX</u>
Pressure at beginning of test.....	<u>118</u>	<u>134</u>
Stabilized? (Yes or No).....	<u>YES</u>	<u>NO</u>
Maximum pressure during test.....	<u>118</u>	<u>138</u>
Minimum pressure during test.....	<u>118</u>	<u>40</u>
Pressure at conclusion of test.....	<u>118</u>	<u>40</u>
Pressure change during test (Maximum minus Minimum).....	<u>0</u>	<u>98</u>
Was pressure change an increase or a decrease?.....	<u>NONE</u>	<u>DECREASE</u>
Well closed at (hour, date): <u>9:30 AM 3-24-65</u>	Total Time On Production <u>24 Hours</u>	
Oil Production _____	Gas Production _____	
During Test: <u>3.5</u> bbls; Grav. <u>3.5°</u> ; During Test <u>52</u> MCF; GOR <u>14857</u>		
Remarks _____		

FLOW TEST NO. 2

Well opened at (hour, date): <u>9:30 AM 3-25-65</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	<u>XX</u>	
Pressure at beginning of test.....	<u>118</u>	<u>140</u>
Stabilized? (Yes or No).....	<u>YES</u>	<u>YES</u>
Maximum pressure during test.....	<u>118</u>	<u>140</u>
Minimum pressure during test.....	<u>30</u>	<u>140</u>
Pressure at conclusion of test.....	<u>30</u>	<u>140</u>
Pressure change during test (Maximum minus Minimum).....	<u>88</u>	<u>0</u>
Was pressure change an increase or a decrease?.....	<u>DECREASE</u>	<u>NONE</u>
Well closed at (hour, date): <u>9:30 AM 3-26-65</u>	Total time on Production <u>24 Hours</u>	
Oil Production _____	Gas Production _____	
During Test: _____ bbls; Grav. <u>0.686</u> ; During Test <u>131</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 APR 21 1965 19
New Mexico Oil Conservation Commission

Operator G. SKELLY OIL COMPANY

By Charles J. Love

C. J. LOVE

Title DISTRICT ENGINEER

Date MARCH 31, 1965

SOUTHEAST 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 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 for a minimum of two hours thereafter, provided however, that the test shall not continue for more than 24 hours.

5. Following the completion of Flow Test No. 1, the well shall again be shut-in for pressure stabilization as prescribed in Paragraph 2 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. The pressure for Flow Test No. 2 is to be the same as for Flow Test No. 1. That the previously produced zone shall remain shut-in and the zone which was shut-in during Flow Test No. 1 shall be produced.

7. During the shut-in period of a packer leakage test, shall be continuously maintained on the wellhead and on the tubing head pressure gauges, the accuracy of which shall be indicated by a deadweight tester at least twice, once at the beginning and once at the end of each shut-in test.

8. The results of the packer leakage tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate office of the New Mexico Oil Conservation Commission, the New Mexico State Engineer, and the New Mexico State Tax Commission. The packer leakage test form Revised 11-1-58, together with the instructions for recording gauge charts with all the deadweight tester instructions, shall be taken indicated thereon. In lieu of filing the test results, the operator may construct a pressure versus time graph indicating the shut-in pressure changes and the flowing pressure changes on the test charts as well as all deadweight tester readings. If the pressure curve is submitted to the Commission, it shall be filed in the operator's file. The operator shall also file the packer leakage test form with the appropriate office within a 15-day period.

