

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator SINCLAIR OIL & GAS COMPANY			Lease STATE LEA 396		HOBBS OFFICE 1960 AUG 23 AM 9:10		Well NG. 2
Location of Well	Unit F	Sec 35	Twp 15	Rge	County		
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	Dean Permo-Penn.		Oil	Pump	Tbg.	Pump	
Lower Compl	Dean Bevenian		Oil	Pump	Tbg.	Pump	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:00 A.M. August 15, 1960

	Upper Completion	Lower Completion
Well opened at (hour, date): <u>9:00 A.M. August 16, 1960</u>		
Indicate by (X) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>202</u>	<u>140</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>202</u>	<u>140</u>
Minimum pressure during test.....	<u>45</u>	<u>140</u>
Pressure at conclusion of test.....	<u>45</u>	<u>140</u>
Pressure change during test (Maximum minus Minimum).....	<u>157</u>	<u>None</u>
Was pressure change an increase or a decrease?.....	<u>decrease</u>	<u>---</u>
Well closed at (hour, date): <u>3:00 P.M. August 16, 1960</u>	Total Time On Production <u>6 hours</u>	
Oil Production	Gas Production	
During Test: <u>16</u> bbls; Grav. <u>45.2</u>	During Test <u>33</u>	MCF; GOR <u>2063</u>

Remarks _____

FLOW TEST NO. 2

Well opened at (hour, date): <u>9:00 A.M. August 17, 1960</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>205</u>	<u>138</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>205</u>	<u>138</u>
Minimum pressure during test.....	<u>205</u>	<u>48</u>
Pressure at conclusion of test.....	<u>205</u>	<u>48</u>
Pressure change during test (Maximum minus Minimum).....	<u>None</u>	<u>90</u>
Was pressure change an increase or a decrease?.....	<u>---</u>	<u>decrease</u>
Well closed at (hour, date): <u>3:00 P.M. August 17, 1960</u>	Total time on Production <u>6 hours</u>	
Oil Production	Gas Production	
During Test: <u>24</u> bbls; Grav. <u>53.0</u>	During Test <u>2.5</u>	MCF; GOR <u>104</u>

Remarks This Well produced 116 barrels of formation water during the above test.

I hereby certify that the information herein contained is true and complete to the best of my knowledge.
AUG 26 1960

Approved _____ 19
New Mexico Oil Conservation Commission

Operator SINCLAIR OIL & GAS COMPANY
By Fred Brown

By [Signature]
Title District Superintendent

Date August 19, 1960

1. A packer leakage test shall be conducted on the well within seven days after completion of the test and thereafter as prescribed by the Commission. Such tests shall also be conducted on all wells where the previously produced zone shall remain shut-in for more than 30 days following recompletion and on all wells where remedial work has been done on the well or where tubing have been disturbed. Tests shall be conducted when communication is suspected or when requested by the Commission.

2. At least 72 hours prior to the test, the operator shall notify the Commission. The test is to be commenced. Offset operators shall be notified.

3. The packer leakage test shall be conducted on completion are shown in the pressure test. The well shall be shut-in until the well-head pressure on the well is equal to or less than the pressure on the well of two holes. The well shall be shut-in more than 30 days.

4. For Flow Test No. 1, the well shall be shut-in at the normal rate of production. The test shall be conducted on the well when the well is stabilized and for a period of two days. The flow test shall be conducted on the well.

5. If a leak is indicated, the test shall be continued until the previously produced zone shall remain shut-in for more than 30 days.

6. The entire test shall be continuously recorded with recording pressure gauges, the accuracy of which shall be tested at least twice, once at the beginning and once at the end of the test.

7. The above-described tests shall be filed in triplicate with the Commission. Tests shall be filed with the Commission in New Mexico Oil Conservation Commission Form No. 1, Packer Leakage Test Form Revised 11-1-58, and shall include pressure recording gauge charts with all the data obtained thereon. In lieu of the above, the operator may construct a pressure versus time chart, indicating thereon all pressure data obtained by the gauge charts as well as all dead-weight test data. If the pressure curve is substantially the same as the pressure curve in the operator's file, the Packer Leakage Test Form may be used with a gas-oil ratio test period.

PRESSURE in PSIG

