

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator <b>WESTERN NATURAL GAS COMPANY</b>			Lease <b>KING</b>			Well No. <b>1</b>		
Location of Well	Unit <b>L</b>	Sec <b>12</b>	Twp <b>23s</b>	Rge <b>36E</b>	County <b>LEA</b>			
	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	<b>JALMAT - YATES</b>		<b>GAS</b>	<b>FLOW</b>	<b>Csg</b>	<b>1.25"ORIFICE</b>		
Lower Compl	<b>LANGLIE MATTIX - SR QUEEN</b>		<b>OIL</b>	<b>FLOW</b>	<b>Tbg</b>	<b>32/64"</b>		

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 2:00 PM (3-13-61)

	Upper Completion	Lower Completion
Well opened at (hour, date): <u>11:00 AM (3-14-61)</u>		
Indicate by ( X ) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>665 CHART</u>	<u>545 CHART</u>
Stabilized? (Yes or No).....	<u>YES</u>	<u>YES</u>
Maximum pressure during test.....	<u>665</u>	<u>545</u>
Minimum pressure during test.....	<u>665</u>	<u>75</u>
Pressure at conclusion of test.....	<u>665</u>	<u>80</u>
Pressure change during test (Maximum minus Minimum).....	<u>0</u>	<u>470</u>
Was pressure change an increase or a decrease?.....	<u>-</u>	<u>DECREASE</u>
Well closed at (hour, date): <u>11:00 AM (3-15-61)</u>	Total Time On Production <u>24 HOURS</u>	
Oil Production During Test: <u>51.6</u> bbls; Grav. <u>35.0</u> ;	Gas Production During Test <u>154.539</u> MCF; GOR <u>2995</u>	
Remarks <u>TEST RESULTS INDICATE THAT THE PACKER IS SEPARATING THE TWO PRODUCING ZONES PROPERLY.</u>		

FLOW TEST NO. 2

Well opened at (hour, date): <u>9:30 AM (3-16-61)</u>	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>665 CHART</u>	<u>410 CHART</u>
Stabilized? (Yes or No).....	<u>YES</u>	<u>YES</u>
Maximum pressure during test.....	<u>665</u>	<u>410</u>
Minimum pressure during test.....	<u>530</u>	<u>345</u>
Pressure at conclusion of test.....	<u>545</u>	<u>345</u>
Pressure change during test (Maximum minus Minimum).....	<u>135</u>	<u>65</u>
Was pressure change an increase or a decrease?.....	<u>DECREASE</u>	<u>DECREASE</u>
Well closed at (hour, date) <u>9:30 AM (3-17-61)</u>	Total time on Production <u>24 HOURS</u>	
Oil Production During Test: <u>-</u> bbls; Grav. <u>-</u> ;	Gas Production During Test <u>311.3</u> MCF; GOR <u>-</u>	
Remarks <u>TEST RESULTS INDICATE THAT THE PACKER IS SEPARATING THE TWO PRODUCING ZONES PROPERLY.</u>		

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

Approved 19 WC  
New Mexico Oil Conservation Commission

Operator WESTERN NATURAL GAS COMPANY  
By COLEMAN PETROLEUM ENGINEERING CO.  
Title AGENT  
Date MARCH 22, 1961

By [Signature]  
Title [Signature]

1. The tests shall be commenced on the day following receipt of the permit to test, and shall be completed on or before the day specified in the permit. Such tests shall also be commenced on all wellhead connections within seven days following receipt of the permit to test, and shall be completed when ever practical work has been done on a well during which the wellhead tubing have been disturbed. Tests shall also be taken at any time when communication is suspended or when requested by the Commission.
2. At least 72 hours prior to the commencement of a packer leakage test, the operator shall notify the Commission in writing of the date on which the test is to be commenced. Offset operators shall also be so notified.
3. The packer leakage test shall commence when the wellhead pressure has been completed and shown in the pressure stabilizing log. Data on gas rate shall show-up until the wellhead pressure in each has stabilized and for a period of 24 hours. The test shall be completed when the wellhead pressure has stabilized for a period of 24 hours.
4. The test shall be completed on the day following receipt of the permit to test, and shall be completed on or before the day specified in the permit. The test shall be completed when ever practical work has been done on a well during which the wellhead tubing have been disturbed. Tests shall also be taken at any time when communication is suspended or when requested by the Commission.

The Commission shall have the right to require the operator to conduct the test at any time during the period specified in the permit to test, and shall have the right to require the operator to conduct the test at any time during the period specified in the permit to test.

All pressure measurements throughout the entire test shall be measured and recorded with recording pressure gauges, and the accuracy of the test shall be checked with a deadweight tester. The test shall be conducted at the bottom of the well at the end of each flow test.

The results of the above-described tests shall be shown on triplicate a form to be supplied by the Commission. The test shall be conducted in accordance with the provisions of the New Mexico Packer Leakage Test Form No. 1, as amended, and the original pressure recording packer leakage test shall be filed with the Commission. The test shall be completed when the wellhead pressure has stabilized for a period of 24 hours. The test shall be completed when ever practical work has been done on a well during which the wellhead tubing have been disturbed. Tests shall also be taken at any time when communication is suspended or when requested by the Commission.