

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator <b>NEVILLE G. PENROSE, INC.</b>			Lease <b>PERCY HARDY</b>			Well No. <b>1</b>	
Location of Well	Unit <b>N</b>	Sec <b>17</b>	Twp <b>21s</b>	Rge <b>37e</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>BLINERRY</b>		<b>GAS</b>	<b>FLOW</b>	<b>CSG</b>	<b>14/64</b>	
Lower Compl	<b>DRINKARD</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): 1:00 PM (4-12-61)

Well opened at (hour, date): <u>1:00 PM (4-13-61)</u>	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>1175 CHART</u>	<u>350 CHART</u>
Stabilized? (Yes or No).....	<u>YES</u>	<u>YES</u>
Maximum pressure during test.....	<u>1175</u>	<u>350</u>
Minimum pressure during test.....	<u>1175</u>	<u>0</u>
Pressure at conclusion of test.....	<u>1175</u>	<u>20</u>
Pressure change during test (Maximum minus Minimum).....	<u>0</u>	<u>350</u>
Was pressure change an increase or a decrease?.....	<u>-</u>	<u>DECREASE</u>
Well closed at (hour, date): <u>12:00 NOON (4-14-61)</u>	Total Time On Production <u>23 HOURS</u>	
Oil Production During Test: <u>4.60</u> bbls; Grav. <u>36.0</u> ;	Gas Production During Test <u>13.72</u> MCF; GOR <u>2983</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>9:00 AM (4-15-61)</u>	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>1250 CHART</u>	<u>390 CHART</u>
Stabilized? (Yes or No).....	<u>YES</u>	<u>NO</u>
Maximum pressure during test.....	<u>1250</u>	<u>500</u>
Minimum pressure during test.....	<u>1000</u>	<u>390</u>
Pressure at conclusion of test.....	<u>1060</u>	<u>500</u>
Pressure change during test (Maximum minus Minimum).....	<u>250</u>	<u>110</u>
Was pressure change an increase or a decrease?.....	<u>DECREASE</u>	<u>INCREASE</u>
Well closed at (hour, date) <u>10:00 AM (4-16-61)</u>	Total time on Production <u>25 HOURS</u>	
Oil Production During Test: <u>0.0</u> bbls; Grav. <u>-</u> ;	Gas Production During Test <u>733.80</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 72  
New Mexico Oil Conservation Commission

By \_\_\_\_\_  
Title \_\_\_\_\_

Operator NEVILLE G. PENROSE, INC.

By COLEMAN PETROLEUM ENGINEERING CO.

Title AGENT

Date APRIL 20, 1961

TEST INSTRUCTIONS

1. A packer is required to be commenced on each well to be completed well within seven days after actual completion of the well and to be thereafter as prescribed by the other authority of the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following completion of and/or chemical or fracture treatment and whenever remedial work has been done at 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 locker storage test, the operator shall notify the Commission in writing of the exact date 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 the need to 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 casing head position while the other zone remains shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and/or a maximum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

5. Following completion of Flow Test No. 1, the well shall again 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 pressure, 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 a triplicate 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 11-1-58, 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 stage of each test, indicating thereon all pressure changes which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curve is submitted, the original charts must be permanently filed in the operator's office. Form C-11 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.