

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator <b>Summit Energy Inc.</b>			Lease <b>Gulf Hill</b>			Well No. <b>4</b>	
Location of Well	Unit <b>S</b>	Sec <b>4</b>	Twp <b>21 S</b>	Rge <b>37 E</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>Blinberry Middle ( Brinkard )</b>		<b>Oil</b>	<b>Flow</b>	<b>Tbg</b>	<b>Open</b>	
Lower Compl	<b>Wants Abo</b>		<b>Oil</b>	<b>Flow</b>	<b>Tbg</b>	<b>-</b>	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): **7:30 AM March 13, 1972**

Well opened at (hour, date): **7:30 AM March 14, 1972**

	Upper Completion	Middle Completion	Lower Completion
Indicate by ( X ) the zone producing.....	<b>X</b>	<b>Dead</b>	
Pressure at beginning of test.....	<b>165</b>	<b>0</b>	<b>0</b>
Stabilized? (Yes or No).....	<b>Yes</b>	<b>-</b>	<b>-</b>
Maximum pressure during test.....	<b>165</b>	<b>0</b>	<b>0</b>
Minimum pressure during test.....	<b>110</b>	<b>0</b>	<b>0</b>
Pressure at conclusion of test.....	<b>110</b>	<b>0</b>	<b>0</b>
Pressure change during test (Maximum minus Minimum).....	<b>65</b>	<b>0</b>	<b>0</b>
Was pressure change an increase or a decrease?.....	<b>Decrease</b>	<b>-</b>	<b>-</b>
Well closed at (hour, date): <b>7:30 AM March 15, 1972</b>	Total Time On Production <b>24 hrs.</b>		
Oil Production During Test: <b>6</b> bbls; Grav. <b>39</b>	Gas Production During Test <b>190</b> MCF; GOR <b>31,667</b>		

Remarks \_\_\_\_\_

FLOW TEST NO. 2

Well opened at (hour, date): **7:30 March 16, 1972 Buildup**

	Upper Completion	Middle Completion	Lower Completion
Indicate by ( X ) the zone producing.....	<b>Buildup</b>	<b>Dead</b>	
Pressure at beginning of test.....	<b>410</b>	<b>0</b>	<b>0</b>
Stabilized? (Yes or No).....			
Maximum pressure during test.....			
Minimum pressure during test.....			
Pressure at conclusion of test.....			
Pressure change during test (Maximum minus Minimum).....			
Was pressure change an increase or a decrease?.....			
Well closed at (hour, date) _____	Total time on Production _____		
Oil Production During Test: _____ bbls; Grav. _____	Gas Production During Test _____ MCF; GOR _____		

Remarks **Annual test.**

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

Approved **APR 4 1972** 19 \_\_\_\_\_  
New Mexico Oil Conservation Commission

Operator **Summit Energy Inc.**  
By **Ralph E. Erwin**

By \_\_\_\_\_  
Title **OIL & GAS INSPECTOR**

Title **Tester-Oil Reports & Gas Services, Inc.**  
Date **3/29/72**

## 7 INSTRUCTIONS

On a packer leakage test shall be commenced on a 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 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 Flow Test No. 1, the well shall be plugged in accordance with paragraph 3 above.

8. Flow Test No. 2 shall be conducted even though no leak was determined during Flow Test No. 1. Procedure for flow Test No. 2 is to maintain 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 pressures, throughout the entire test, and in particular, 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 in appropriate form 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 devised, in accordance with the original pressure recording gauge charts with all the deadweight pressures which were taken indicated thereon. In addition to filing the aforesaid charts, the operator may construct a pressure versus time curve for each zone 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 chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Packer leakage Test form when the test period coincides with a gas-oil ratio test period.

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