

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator <b>SKELLY OIL COMPANY</b>			Lease <b>MEXICO "W"</b>			Well No. <b>4</b>	
Location of Well	Unit <b>I</b>	Sec <b>2</b>	Twp <b>21-S</b>	Rge <b>35-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>EUMONT GAS</b>		<b>GAS</b>	<b>FLOW</b>	<b>CSG.</b>	<b>3/4"</b>	
Lower Compl	<b>EUMONT OIL</b>		<b>OIL</b>	<b>ART/LIFT</b>	<b>TBG.</b>	<b>OPEN</b>	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): **10:00 A.M. May 10, 1965**

Well opened at (hour, date): <b>10:00 A.M. May 11, 1965</b>	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....		<b>X</b>
Pressure at beginning of test.....	<b>451</b>	<b>243</b>
Stabilized? (Yes or No).....	<b>Yes</b>	<b>Yes</b>
Maximum pressure during test.....	<b>451</b>	<b>243</b>
Minimum pressure during test.....	<b>451</b>	<b>52</b>
Pressure at conclusion of test.....	<b>451</b>	<b>52</b>
Pressure change during test (Maximum minus Minimum).....	<b>0</b>	<b>191</b>
Was pressure change an increase or a decrease?.....	<b>0</b>	<b>Decrease</b>

Well closed at (hour, date): **9:15 A.M. May 12, 1965** Total Time On Production **24 Hours**

Oil Production During Test: **2** bbls; Grav. \_\_\_\_\_; Gas Production During Test **22** MCF; GOR **11,000**

Remarks **OIL SIDE**

FLOW TEST NO. 2

Well opened at (hour, date): <b>9:15 A.M. May 13, 1965</b>	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....	<b>X</b>	
Pressure at beginning of test.....	<b>488</b>	<b>181</b>
Stabilized? (Yes or No).....	<b>Yes</b>	<b>No</b>
Maximum pressure during test.....	<b>488</b>	<b>183</b>
Minimum pressure during test.....	<b>47</b>	<b>181</b>
Pressure at conclusion of test.....	<b>47</b>	<b>183</b>
Pressure change during test (Maximum minus Minimum).....	<b>441</b>	<b>2</b>
Was pressure change an increase or a decrease?.....	<b>Decrease</b>	<b>Increase</b>

Well closed at (hour, date) **10:30 A.M. May 14, 1965** Total time on Production **24 Hours**

Oil Production During Test: **---** bbls; Grav. **---**; Gas Production During Test **492** MCF; GOR **---**

Remarks **GAS SIDE**

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

Approved \_\_\_\_\_ 19\_\_\_\_  
New Mexico Oil Conservation Commission

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

Operator **SKELLY OIL COMPANY**  
Original Signed  
By **Charles J. Love**  
**C.J. Love**  
Title **DISTRICT ENGINEER**  
Date **May 28, 1965**

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 described by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following completion and/or chemical or fracture treatment, and whenever remedial work has been done in 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 well-head pressure has become stabilized and for a minimum of 16 hours thereafter, provided however, that the flowing well-head pressure be maintained for more than 24 hours.
5. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. The 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.
6. The pressure in the well during the entire test, shall be continuously measured and recorded on recording pressure gauges, the accuracy of which must be checked by a dead-weight tester at least twice, once at the beginning and once at the end of each flow test.
7. The results of the above described 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 on Southern New Mexico Packer Leakage Test Form Revised 1-1-58, together with a copy of the recording gauge charts with all the dead-weight pressure readings taken thereon. In lieu of filing the recording gauge charts, the operator may construct a pressure versus time curve to indicate the test, indicating thereon all pressure changes which have been noted on the gauge charts as well as all dead-weight pressure readings taken thereon. If the pressure curve is submitted and found to be permanent, it may be filed in the operator's office. The Commission may require the company the Packer Leakage Test Form when the test is conducted at a gas-oil ratio test period.

