

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Phillips Petroleum Company			Lease Santa Fe			Well No. 18	
Location of Well	Unit B	Sec 34	Twp 17S	Rge 35E	County Lea		
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	Vacuum Yates		This Zone Abandoned -- Casing				
Lower Compl	Vacuum San Andres		Oil	Flow	Tbg.	2 1/2" / 6 1/4"	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9-9-68 9:30 A.M.

Well opened at (hour, date):	Upper Completion	Lower Completion
<u>9-10-68 9:30 A.M.</u>		
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>5</u>	<u>335</u>
Stabilized? (Yes or No).....	<u>X</u>	<u>Yes</u>
Maximum pressure during test.....	<u>5</u>	<u>335</u>
Minimum pressure during test.....	<u>5</u>	<u>55</u>
Pressure at conclusion of test.....	<u>5</u>	<u>55</u>
Pressure change during test (Maximum minus Minimum).....	<u>0</u>	<u>280</u>
Was pressure change an increase or a decrease?.....	<u>Same</u>	<u>Dec.</u>
Well closed at (hour, date): <u>9-11-68</u>	Total Time On Production <u>24 hrs.</u>	
Oil Production	Gas Production	
During Test: <u>80</u> bbls; Grav. <u>37</u> ;	During Test <u>70</u> MCF; GOR <u>875</u>	
Remarks _____		

FLOW TEST NO. 2

Well opened at (hour, date):	<u>9-12-68 9:30 A.M.</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		<u>X</u>	
Pressure at beginning of test.....		<u>5</u>	<u>440</u>
Stabilized? (Yes or No).....		<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....		<u>5</u>	<u>445</u>
Minimum pressure during test.....		<u>0</u>	<u>440</u>
Pressure at conclusion of test.....		<u>0</u>	<u>445</u>
Pressure change during test (Maximum minus Minimum).....		<u>5</u>	<u>5</u>
Was pressure change an increase or a decrease?.....		<u>Dec.</u>	<u>Inc.</u>
Well closed at (hour, date): <u>9-13-68</u>	Total time on Production <u>24 hrs.</u>		
Oil Production	Gas Production		
During Test: <u>0</u> bbls; Grav. _____ ;	During Test <u>0</u> MCF; GOR _____		
Remarks <u>Csg. vented to atmosphere.</u>			

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

Operator Phillips Petroleum Company

By W. J. Mueller

Signature _____
Title _____

Title Associate Reservoir Engineer

Date 9-18-68

1. A packer leakage test shall be commenced on each multiply 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.

When Flow Test No. 1, the well shall again be shut-in as above.

Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. The shut-in zone for Flow Test No. 2 is to be the same as the previously produced zone shall remain shut-in zone is produced.

During the entire test, shall be continuously recorded. When using pressure gauges, the accuracy of the deadweight tester at least twice, once at the beginning and once at the end of each flow test.

The tests described shall be filed in triplicate with the Commission. Tests shall be filed with the New Mexico Oil Conservation Commission. The packer leakage test form Revised 11-1-58, shall be used. The operator shall take the indicated thereon. In lieu of the operator may construct a pressure versus time test, indicating thereon all pressure readings taken. If the pressure curve is satisfactory, the pressure curve shall be permanently filed in the operator's records. The packer leakage test form shall be filed with a gas-oil ratio test period.

