

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Atlantic Richfield Company			Lease Carlson Federal			Well No. 1	
Location of Well	Unit K	Sec 25	Twp 25-S	Rge 37-E	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	Blinbry		Oil	Flow	Tbg	12/64	
Lower Compl	Tubb Drinkard		Oil	Flow	Tbg	open	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 7:15 a.m. 2-3-69

Well opened at (hour, date):	<u>7:15 a.m. 2-4-69</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		<u>X</u>	
Pressure at beginning of test.....		<u>613</u>	<u>44</u>
Stabilized? (Yes or No).....		<u>No</u>	<u>No</u>
Maximum pressure during test.....		<u>613</u>	<u>68</u>
Minimum pressure during test.....		<u>202</u>	<u>44</u>
Pressure at conclusion of test.....		<u>202</u>	<u>68</u>
Pressure change during test (Maximum minus Minimum).....		<u>- 411</u>	<u>+ 24</u>
Was pressure change an increase or a decrease?.....		<u>decrease</u>	<u>increase</u>
Well closed at (hour, date):	<u>7:15 a.m. 2-5-69</u>	Total Time On Production	<u>24 hours</u>
Oil Production		Gas Production	
During Test: <u>23</u> bbls; Grav. <u>375</u>		During Test <u>173</u> MCF; GOR	<u>7521</u>
Remarks _____			

FLOW TEST NO. 2

Well opened at (hour, date):	<u>7:15 a.m. 2-6-69</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....			<u>X</u>
Pressure at beginning of test.....		<u>649</u>	<u>91</u>
Stabilized? (Yes or No).....		<u>No</u>	<u>No</u>
Maximum pressure during test.....		<u>707</u>	<u>91</u>
Minimum pressure during test.....		<u>649</u>	<u>6</u>
Pressure at conclusion of test.....		<u>707</u>	<u>6</u>
Pressure change during test (Maximum minus Minimum).....		<u>+ 58</u>	<u>- 85</u>
Was pressure change an increase or a decrease?.....		<u>increase</u>	<u>decrease</u>
Well closed at (hour, date)	<u>7:15 a.m. 2-7-69</u>	Total time on Production	<u>24 hours</u>
Oil Production		Gas Production	
During Test: <u>0</u> bbls; Grav. _____		During Test <u>0</u> MCF; GOR	<u>0</u>
Remarks <u>Tubb Drinkard zone - Shut In</u>			

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

Approved _____ 19 _____	Operator <u>Atlantic Richfield Company</u>
New Mexico Oil Conservation Commission	By <u>A. D. Kloxin</u>
By _____	Title <u>District Prod. & Drlg. Supt.</u>
Title _____	Date <u>2-10-69</u>

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 multiply completions within seven days following recompletion and/or chemical treatment of the well, 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. A test shall be continued until the flowing well-head 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. Flow Test No. 1 shall be conducted even during the shut-in period of the well. The results of the test shall be reported in triplicate to the Commission within 15 days after completion of the test.

6. Flow Test No. 2 shall be conducted even during the shut-in period of the well. The results of the test shall be reported in triplicate to the Commission within 15 days after completion of the test. The procedure for Flow Test No. 2 shall 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. Pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges. The gauges shall be checked with a deadweight tester at least once during the test and once at the end of each flow test.

8. The results of the above described tests shall be reported in triplicate within 15 days after completion of the test. The report shall be filed with the appropriate District Office of the New Mexico Department of Conservation at Southeast New Mexico Packer Leakage Test, Form No. 1-58, together with the original pressure recording gauge charts and the deadweight pressures which were taken indicating the accuracy of the recording. During 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. The original chart shall be submitted to the Commission and shall be permanently filed in the files of the Commission. Form No. 1-58 shall also accompany the Packer Leakage Test report when the test period coincides with a gas-oil ratio test period.

61-1-58