

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Shell Oil Company			Lease Livingston			Well No. 9		
Location of Well	Unit V	Sec 3	Twp 21-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	Blinebry		Gas	Flow	Csg.	-		
Lower Compl	Drinkard		Oil	Flow	Tbg	24/64		

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 8:30 a.m. 3-23-61

	Upper Completion	Lower Completion
Well opened at (hour, date): 2:30 p.m. 3-24-61		
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	863	462
Stabilized? (Yes or No).....	No	No
Maximum pressure during test.....	884	462
Minimum pressure during test.....	863	126
Pressure at conclusion of test.....	884	326
Pressure change during test (Maximum minus Minimum).....	21	336
Was pressure change an increase or a decrease?.....	Increase	Decrease
Well closed at (hour, date): 2:15 p.m. 3-25-61	Total Time On Production 23 3/4 hrs.	
Oil Production	Gas Production	
During Test: 21 bbls; Grav. 36.5° API; During Test 272.5	MCF; GOR 12,976	
Remarks		

FLOW TEST NO. 2

Well opened at (hour, date): 3:00 p.m. 3-26-61	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	884	326
Stabilized? (Yes or No).....	Yes	No
Maximum pressure during test.....	884	566
Minimum pressure during test.....	608	326
Pressure at conclusion of test.....	710	566
Pressure change during test (Maximum minus Minimum).....	276	340
Was pressure change an increase or a decrease?.....	Decrease	Increase
Well closed at (hour, date): 3:00 p.m. 3-27-61	Total time on Production 24 hrs.	
Oil Production	Gas Production	
During Test: 191 bbls; Grav. 39.7° API; During Test 705.1	MCF; GOR 3692	
Remarks		

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 SHELL OIL COMPANY
By _____
S. B. Deal
Title Division Production Superintendent
Date March 17, 1961

By _____
Title _____

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

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 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 sides 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. The test shall be continued until the flowing well-head pressure in the zone stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.
5. In accordance with the Commission's order, the test 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.
6. All pressures, 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.
7. The results of the above-described tests shall be filed in triplicate with the Commission. The original of the test data shall be filed with the Commission and a copy 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 pressure test data taken indicated thereon. In lieu of filing the aforesaid test data, the operator may construct a pressure versus time curve and file the same with the Commission, indicating thereon all pressure readings and the gauge chart used in the test, as well as all deadweight pressure test data taken. If the pressure curve is submitted, the original gauge must be permanently filed in the operator's files. The test data shall also accompany the Packer Leakage Test Form filed with the Commission, together with a gas-oil ratio test period.

