

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator ELWYN C. HALE			Lease Hale-State			Well No. 2	
Location of Well	Unit G	Sec 2	Twp 25-South	Rge 37-East	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	Justis Blinebry		Oil	Rod pump	Tubing	1"	
Lower Compl	Justis Tubb-Drinkard		Oil	Rod pump	Tubing	1"	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 8:30 AM, May 27, 1968

Well opened at (hour, date): 8:45 AM, May 28, 1968	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....	X	
Pressure at beginning of test.....	375	340
Stabilized? (Yes or No).....	No	No
Maximum pressure during test.....	375	385
Minimum pressure during test.....	50	340
Pressure at conclusion of test.....	50	385
Pressure change during test (Maximum minus Minimum).....	- 325	+ 45
Was pressure change an increase or a decrease?.....	Decrease	Increase
Well closed at (hour, date): 8:30 AM, May 29, 1968	Total Time On Production 23/45 hours	
Oil Production During Test: 32 bbls; Grav. 37.3° API	Gas Production 283.0	MCF; GOR 8,644

Remarks This is a conventional dual completion utilizing parallel strings of 2-3/8" EUE tubing in 7-inch casing. Blinebry pressure recorded on tubing-casing annulus.

FLOW TEST NO. 2

Well opened at (hour, date): 8:45 AM, May 30, 1968	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....		X
Pressure at beginning of test.....	380	410
Stabilized? (Yes or No).....	No	No
Maximum pressure during test.....	435	410
Minimum pressure during test.....	380	40
Pressure at conclusion of test.....	435	40
Pressure change during test (Maximum minus Minimum).....	+ 55	- 370
Was pressure change an increase or a decrease?.....	Increase	Decrease
Well closed at (hour, date): Not shut in	Total time on Production 23/45 hours	
Oil Production During Test: 23 bbls; Grav. 36.6° API	Gas Production 132.0	MCF; GOR 5,739

Remarks The Tubb-Drinkard tubing string is latched into a production retainer set above the Tubb-Drinkard casing perforations.

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

Approved \_\_\_\_\_ 19 \_\_\_\_\_ Operator ELWYN C. HALE  
New Mexico Oil Conservation Commission By L. O. Storm - L. O. Storm  
By \_\_\_\_\_ Title Engineer

# NEW MEXICO OIL CONSERVATION COMMISSION

1. A packer leakage test shall be commenced and fully completed within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall be commenced on all multiple completions within seven days following recompletion and on artificial lift systems, 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 wellhead 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 at a minimum of two hours thereafter, provided however that the flow need not continue for more than 24 hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in as prescribed in Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during the previous test. 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 until the previously shut-in zone is produced.

7. All tests shall throughout the entire test, shall be continuously measured and recorded on recording pressure gauges. The accuracy of which shall be checked by a deadweight tester at least twice, once at the beginning and once at the end of each flow test.

8. All data from the above-described tests shall be filed in triplicate with the Commission. The original of the test. Tests shall be filed with the appropriate office of the New Mexico Oil Conservation Commission. The operator shall file a Packer Leakage Test Form Revised 11-1-58, together with all pressure recording gauge charts with all the deadweight tester readings taken indicated thereon. In lieu of filing of gauge charts, the operator may construct a pressure versus time chart for each test, indicating thereon all pressure changes indicated by the gauge charts as well as all deadweight tester readings which were taken. If the pressure curve is submitted, the gauge charts must be permanently filed in the operator's office. The operator shall also accompany the Packer Leakage Test Form with a gas-oil ratio test period.

DWT calibration of pressure recorder run prior to packer leakage test:

