

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Sunray Oil Company			Lease Elliott "B"			Well No. 1	
Location of Well	Unit D	Sec 20	Twp 21S	Rge 37E	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		Oil	Flow	Tubing	15/64	
Lower Compl	Drinkard		Oil	Pump	Tubing	-	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): **7:45 A.M. July 12, 1965**

Well opened at (hour, date): 8:10 A.M. July 13, 1965	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	575	350
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	575	350
Minimum pressure during test.....	50	325
Pressure at conclusion of test.....	50	325
Pressure change during test (Maximum minus Minimum).....	525	25
Was pressure change an increase or a decrease?.....	Dec	Dec
Well closed at (hour, date): 8:10 A.M. July 14, 1965	Total Time On Production	24 Hours
Oil Production During Test: 22 bbls; Grav. 29	Gas Production During Test: 26.7 MCF; GOR	1182

Remarks **Well recompleted in Blinebry.**

FLOW TEST NO. 2

Well opened at (hour, date): 7:50 A.M. July 15, 1965	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	75	325
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	75	325
Minimum pressure during test.....	50	25
Pressure at conclusion of test.....	50	25
Pressure change during test (Maximum minus Minimum).....	25	300
Was pressure change an increase or a decrease?.....	Dec	Dec
Well closed at (hour, date): 7:50 A.M. July 16	Total time on Production	24 Hours
Oil Production During Test: 28 bbls; Grav. 33	Gas Production During Test: 49 MCF; GOR	1750

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 **Sunray Oil Company**
By **B. F. Brawley**
Title **District Engineer**
Date **July 26, 1965**

By _____
Title _____

1. A packer leakage test shall be conducted on each well within seven days after actual completion of the well and thereafter as prescribed by the District Office of the New Mexico Oil and Gas Commission. Such tests shall also be commenced as soon as practicable after the well is recompleted. Tests shall also be taken at any time if communication is suspected or when required by the District Office.
2. At least 72 hours prior to the commencement of a packer leakage test the operator shall notify the Commission. The test is to be commenced at least 24 hours after the well is shut-in.
3. The packer leakage test shall commence at least 24 hours after completion are shut-in for pressure stabilization. The test shall be shut-in until the well-head pressure is stabilized for a minimum of two hours thereafter, provided however that the test shall be shut-in more than 24 hours.
4. For Flow Test No. 1, one zone of the well shall be shut-in at the normal rate of production while the pressure is stabilized. The test shall be continued until the flowing pressure is stabilized and for a minimum of two hours thereafter, provided however that the flow test need not continue for more than 24 hours.

Following completion of Flow Test No. 1, the well shall be shut-in for a minimum of 24 hours as prescribed in paragraph 3 above.

5. Flow Test No. 2 shall be conducted even though no Flow Test No. 1 was conducted. Procedure for Flow Test No. 2 shall be the same as for Flow Test No. 1 except that the previously shut-in zone shall 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 shall be checked with a deadweight tester at least before and after the test and once at the end of each flow test.
7. The results of the above-described tests shall be reported to the District Office of the New Mexico Oil and Gas Commission within 10 days after completion of the test. Tests shall be reported on the Southeast New Mexico Packer Leakage Test Form (Form No. 1) which shall be filed with the original pressure recording gauge charts and the original pressures which were taken indicated thereon. In addition, the operator may construct a pressure-time curve for each zone of each test, indicating thereon all the pressures which may be reflected by the gauge charts as well as the weight pressure readings which were taken. If the pressure-time curve is constructed, the original chart must be permanently filed in the operator's files. Form C-116 shall also accompany the Packer Leakage Test Form. The test period coincides with a gas-oil ratio test period.

JUL 27 4 12 PM '65