

NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Shell Oil Company				Lease Grimes			Well No. 10	
Location of Well	Unit L	Sec 28	Twp 18-S		Rge 33-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	Hobbs Blinabry		Oil	Art. Lift	-	-		
Lower Compl	Hobbs Drinkard		Oil	Flow	-	24/64		

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 12-3-69 10:30 A.M.

Well opened at (hour, date): 12-4-69 10:30 A.M.

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	20	300
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	20	1625
Minimum pressure during test.....	20	300
Pressure at conclusion of test.....	20	300
Pressure change during test (Maximum minus Minimum).....	0	1325
Was pressure change an increase or a decrease?.....	Constant	Decrease

Well closed at (hour, date): 12-5-69 10:30 A.M.

Oil Production During Test: 70 bbls; Grav. 34.8°

Gas Production During Test: 536 MCF; GOR 7657

Remarks

FLOW TEST NO. 2

Well opened at (hour, date): 12-6-69 10:30 A.M.

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	20	1625
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	20	1625
Minimum pressure during test.....	20	1764
Pressure at conclusion of test.....	20	1764
Pressure change during test (Maximum minus Minimum).....	0	139
Was pressure change an increase or a decrease?.....	Constant	Increase

Well closed at (hour, date): 12-7-69 10:30 A.M.

Oil Production During Test: 0 bbls; Grav. ;

Gas Production During Test: MCF; GOR

Remarks 130 Bbls Water, Pumped - Gas too small to measure

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

Approved 12-10-1969 19
New Mexico Oil Conservation Commission

By Leslie McClement
Title Oil & Gas

Operator Shell Oil Company
By L. S. Mitchell

Title Division Production Supt.
Date 12-10-69

in the well. The test shall be conducted at multiple depths as specified in the instructions of the well, and annually as specified in the instructions of the well. The test shall be conducted at a depth of at least seven feet below the packer or fracture treatment, and when a leak is detected, the test shall be taken at any time that conditions are favorable as requested by the Commission.

At least 30 days prior to the commencement of any packer leakage test, the Commission shall be notified of the exact time the test is to be conducted. Operators shall also be notified.

Packer leakage tests shall commence when both zones of the dual are shut-in and pressure stabilization. Both zones shall remain shut-in until the flowing wellhead pressure has become stabilized for a minimum of one hour, provided however that they need not remain shut-in for more than 24 hours.

Flow Test No. 1 shall be conducted at the completion of the dual completion shall be produced at a rate of production while the other zone remains shut-in. Such test shall be conducted when the flowing wellhead pressure has become stabilized for a minimum of one hour, provided however, that the test shall not be conducted for more than 24 hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with paragraph 3 above.

6. Flow Test No. 2 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.

7. 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.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the appropriate District Office 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 pressures which were taken indicated thereon. In lieu of filing 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. If the pressure curve is submitted, the original chart must be permanently filed in the operator's office. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.

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