

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Shell Oil Company			Lease State B			Well No. 6		
Location of Well	Unit C	Sec 33	Twp 18-S		Rge 38-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 Blinebry		Oil	Art. Lift	-	None		
Lower Compl	Hobbs Drinkard		Oil	Flow	-	24/64		

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 12-11-69 - 10:30 a.m.

Well opened at (hour, date): 12-12-69 - 10:30 a.m.	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	50	300
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	97	650
Minimum pressure during test.....	50	300
Pressure at conclusion of test.....	97	275
Pressure change during test (Maximum minus Minimum).....	47	350
Was pressure change an increase or a decrease?.....	Increase	Decrease

Well closed at (hour, date): 12-13-69 - 10:30 a.m. Total Time On Production 24 hours

Oil Production Gas Production

During Test: 255 bbls; Grav. 36.5°; During Test 405 MCF; GOR 1588

Remarks Square Root - 50 x 50, Orifice 4 x 2, Static 8.3. Diff. 4.6

FLOW TEST NO. 2

Well opened at (hour, date): 12-14-69 - 10:30 a.m.	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	122	610
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	122	610
Minimum pressure during test.....	35	535
Pressure at conclusion of test.....	100	535
Pressure change during test (Maximum minus Minimum).....	87	75
Was pressure change an increase or a decrease?.....	Decrease	Decrease

Well closed at (hour, date) 10:30 a.m. - 12-15-69 Total time on Production 24 hours

Oil Production Gas Production

During Test: 75 bbls; Grav. 35.5; During Test TSTM MCF; GOR

Remarks

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

Approved 1970 19
New Mexico Oil Conservation Commission

Operator Shell Oil Company
By L. S. Mitchell L. S. Mitchell

By
Title Division Production Supt.
Date 12-30-69

er 1. The well shall be completely completed and sealed in accordance with the regulations of the well, and annually as required by the Commission. The well shall be completed in all multiple completions within seven days after the completion of the well, and when the work has been done on a well during which the packer or the seal is suspected. Tests shall also be taken at any time that the Commission requests by the Commission.

2. At least 72 hours prior to the commencement of any packer leakage test, or such longer period as the Commission in writing of the exact time the test shall be taken, the operator 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 for more than 24 hours.

4. Flow Test No. 1. The zone of the dual completion shall be produced at a rate of production while the other zone remains shut-in. Such test shall be conducted until the flowing wellhead pressure has become stabilized for a period of two hours thereafter, provided however, that the test shall not continue 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-118 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.