

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Shell Oil Company (Western Division)				Lease Antelope Ridge Unit		Well No. 2	
Location of Well	Unit B	Sec 4	Twp 24S	Rge 34E	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	Morrow		Gas	Flowing	Tubing	1"	
Lower Compl	Devonian		Gas	Flowing	Tubing	3/4"	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:00 AM, September 5, 1966

Well opened at (hour, date): 10:00 AM, September 6, 1966	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	x	
Pressure at beginning of test.....	3400	4325
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	1750	4325
Minimum pressure during test.....	1350	4325
Pressure at conclusion of test.....	1350	4325
Pressure change during test (Maximum minus Minimum).....	400	0
Was pressure change an increase or a decrease?.....	Decrease	None
Well closed at (hour, date): 10:00 AM, September 7, 1966	Total Time On Production 24 hours	
Oil Production	Gas Production	
During Test: 39 bbls; Grav. 52.2°	During Test 6.2 M MCF; GOR 158,974	

Remarks

FLOW TEST NO. 2

Well opened at (hour, date): 10:00 AM, September 8, 1966	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		x
Pressure at beginning of test.....	3300	4250
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	3350	1200
Minimum pressure during test.....	3350	900
Pressure at conclusion of test.....	3350	900
Pressure change during test (Maximum minus Minimum).....	0	300
Was pressure change an increase or a decrease?.....	None	Decrease
Well closed at (hour, date) 10:00 AM, September 9, 1966	Total time on Production 24 hours	
Oil Production	Gas Production	
During Test: 128 bbls; Grav. 52.2°	During Test 6.1 M MCF; GOR 47,656	

Remarks 24 hr shut in period at end of test not run due to necessity of flowing well to keep plant in operation.

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 K. W. Lagrone K. W. Lagrone
Title Division Production Superintendent
Date September 23, 1966

1. The packer leakage test shall be commenced on each multiple completion well within seven days after actual completion of the well. The test thereafter as prescribed by the order authorizing the completion. Such tests shall also be commenced on all multiple completions within 72 days following recompletion and/or chemical or fracture treatments. If ever remedial work has been done on a well during which the casing or tubing have been disturbed, tests shall also be taken if any doubt in 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 date 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 multiple completion are shut-in for pressure stabilization. Both zones shall be shut-in until the well-head pressure in each has stabilized for a minimum of two hours thereafter, provided however, that for multiple completions shut-in more than 24 hours.
4. For Flow Test No. 1, one zone of the dual completion shall be flowing at the normal rate of production while the other zone remains shut-in. The test shall be continued until the flowing well-head pressure has been stabilized and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.
5. For Flow Test No. 2, the well shall be shut-in and every hour, no leak was indicated for a period of 24 hours. The pressure test 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. Pressure measurements, throughout the entire test, shall be continuously taken and recorded, with recording pressure gauges, the accuracy of which shall 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 operator's file completion of the well. The operator shall be filed with the State Data and Office of the New Mexico Oil Conservation Commission, Southeast New Mexico Packer Leakage Test Form Revised 11-1-58, together with the original pressure recording gauge charts with all the pressure readings which were taken, indicated thereon. In lieu of the pressure recording charts the operator also may construct a pressure versus time chart for each zone of the test indicating thereon all pressure readings which may be reflected by the gauge chart as well as all deadweight tester readings as shown with sufficient pressure curve is submitted. The original test shall be permanently filed in the operator's file and a copy of the test submitted to the Packer Leakage Test Form shall be submitted to the Commission with a gas-oil ratio test period.

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