





**LTR**



**Job separation sheet**

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Shell Oil Company			Lease Argo			Well No. 3	
Location of Well	Unit K	Sec 15	Twp 21	Rge 37	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	Tbg	32/64	
Lower Compl	Drinkard		Oil	Flow	Tbg	24/64	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 1:30 PM 1-18-71

Well opened at (hour, date): 1:30 PM 1-19-71	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....		X
Pressure at beginning of test.....	695	302
Stabilized? (Yes or No).....	yes	yes
Maximum pressure during test.....	717	302
Minimum pressure during test.....	695	87
Pressure at conclusion of test.....	717	87
Pressure change during test (Maximum minus Minimum).....	22	215
Was pressure change an increase or a decrease?.....	Increase	Decrease
Well closed at (hour, date): 1:30 PM 1-20-71	Total Time On Production	24 hrs.
Oil Production	Gas Production	
During Test: 17.00 bbls; Grav. 39.0	During Test 141	MCF; GOR 8294
Temp. 62°		

Remarks

FLOW TEST NO. 2

Well opened at (hour, date): 1:30 pm 1-21-71	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....	X	
Pressure at beginning of test.....	735	265
Stabilized? (Yes or No).....	yes	yes
Maximum pressure during test.....	735	307
Minimum pressure during test.....	385	265
Pressure at conclusion of test.....	385	307
Pressure change during test (Maximum minus Minimum).....	350	42
Was pressure change an increase or a decrease?.....	Decrease	Increase
Test Complete	Total time on Production	
Well closed at (hour, date): 1:30 pm 1-22-71	24 hrs.	
Oil Production	Gas Production	
During Test: 20.00 bbls; Grav. 38.7	During Test 564	MCF; GOR 28,200

Remarks

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

Approved FEB 10 1971 19  
New Mexico Oil Conservation Commission

Operator Shell Oil Company  
By S. G. Scott  
Title Senior Operations Engineer  
Date 2-1-71

By  
Title SUPERVISOR

1. A packer leakage test shall be commenced on \_\_\_\_\_, which shall be 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 also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture 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.

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 well-head 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 and for a minimum of two hours thereafter, provided however, that the flow test need not continue for more than 24 hours.

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.

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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FEB 6 1977  
OIL CONCENTRATION TONAL