

MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Gulf Oil Corporation			Lease Higgins		Well No. 2	
Location of Well	Unit I	Sec 29	Twp 22S	Rge 38E	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	South Paddock		Oil	Pump	Tbg.	2" W0
Lower Compl	Drinkard		Oil	Standing	Tbg.	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 11:45 a.m., 1-27-69

Well opened at (hour, date): <u>11:45 a.m., 1-28-69</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	201	651
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	201	654
Minimum pressure during test.....	10	651
Pressure at conclusion of test.....	34	654
Pressure change during test (Maximum minus Minimum).....	191	3
Was pressure change an increase or a decrease?.....	Decr.	Incr.
Well closed at (hour, date): <u>11:45 a.m., 1-29-69</u>	Total Time On Production 24 hrs	
Oil Production	Gas Production	
During Test: <u>66</u> bbls; Grav. <u>35.9</u> ;	During Test <u>12.0</u> MCF; GOR	<u>182</u>

Remarks Drinkard oil zone is standing TA

FLOW TEST NO. 2

Well opened at (hour, date):	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		
Pressure at beginning of test.....	219	664
Stabilized? (Yes or No).....		
Maximum pressure during test.....		
Minimum pressure during test.....		
Pressure at conclusion of test.....		
Pressure change during test (Maximum minus Minimum).....		
Was pressure change an increase or a decrease?.....		
Well closed at (hour, date)	Total time on Production	
Oil Production	Gas Production	
During Test: bbls; Grav. ;	During Test	MCF; GOR

Remarks

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

Approved 1969 19
New Mexico Oil Conservation Commission

Supervisor

Operator Gulf Oil Corporation

By J. W. Davis

Title Well Tester

Date 2-3-69

1. A packer leakage test shall be conducted on a well within seven days after actual completion of the well thereafter as prescribed by the order of completion. Such tests shall also be commenced on a well within seven days following recompletion and/or other operations on the well if ever remedial work has been done on a well during which the packed or the tubing have been disturbed. Tests shall also be conducted if it is communicated is suspected or when requested by the operator.

2. At least 72 hours prior to the commencement of any packer leakage test the operator shall notify the Commission of the date and time the test is to be commenced. Offset operations shall be completed.

3. The packer leakage test shall commence when operations of the well completion are shut-in for pressure stabilization. The well shall remain shut-in until the well-head pressure has stabilized for a minimum of two hours thereafter, provided that the well is not shut-in more than 24 hours.

4. For Flow Test No. 1, the well shall be shut-in for a minimum of 24 hours at the normal rate of production while the well-head pressure is stabilized and for a minimum of two hours thereafter. The test shall be continued until the well-head pressure is stabilized and for a minimum of two hours thereafter. The test shall be continued until the well-head pressure is stabilized and for a minimum of two hours thereafter.

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 readings which may be reflected by the gauge charts as well as all deadweight pressure readings which were taken. If the pressure curve is substituted, the original chart must be permanently filed in the operator's files. Form C-116 shall also accompany the Packer Leakage Test Form and the test period coincides with a gas-oil ratio test period.

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