

NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHERN PACIFIC CO. DEXICO PACKER LEAKAGE TEST

Operator	Gulf Oil Corporation			Lessee	C. L. Hardy		Well No.	5
Location of Well	Unit	Sec	20	Twp	21	Rge	32	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	Pump		Tbg.	2" W.O.
Lower Compl	Drinkard			Oil	Flow		Tbg.	22/64"

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:15 A.M. 1-26-76

Well opened at (hour, date): 9:15 A.M. 1-27-76 Upper Completion Lower Completion

Pressure at beginning of test..... 47 542

Stabilized? (Yes or No)..... Yes Yes

Maximum pressure during test.....200 020

Minimum pressure during test.....100

Pressure at conclusion of test.....500

Pressure change during test (maximum minus minimum) increase increase

Total Time On 24 hrs

Well closed at (hour, date): 9:15 A.M. 1-28-76 Production 24 hrs.
 Oil Production During Test: 13 bbls. Gas 37.5 cu. ft. Gas Production During Test 69.0 MCF. GOR 5308

FLOW TEST NO. 2

Well opened at (hour, date): 9:15 A.M. 1-29-76 Upper Completion Lower Completion

Indicate by (X) the zone producing.....
X

Pressure at beginning of test..... 40 672

Stabilized? (Yes or No)..... Yes Yes

Maximum pressure during test.....40 8/2

Minimum pressure during test..... 49

Pressure at conclusion of test.....

Was pressure change an increase or a decrease? increase decrease

Well closed at (hour, date) 9:15 A.M. 1-30-76 Total time on Production 24 hrs.

Remarks _____

Approved John W. Hallmark
New Mexico (Oil) Conservation Commission
Operator Gulf Oil Corporation
Re: Original signed by N. G. Hallmark

Well Tester
Title _____
Date February 11, 1976

BUREAU OF NEW MEXICO Packer Leakage Test Instructions

1. A packer leakage test shall be conducted on each wellbore completed well within seven days after actual completion of the well, and promptly thereafter as specified by the operator. In the multiple completion, each test shall be conducted on all multiple completions within seven days of the date of completion of the first completion, and whenever necessary to determine the exact shut-in pressure, the packer or packers being tested shall be re-set at any time that communication is suspected or when requested by the Commission.
2. At least 24 hours prior to the commencement of any packer leakage test, the operator shall notify the Commission in writing of the exact time 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 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 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.
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 be 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 dead-weight tester at least twice each 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 dead-weight pressures which were taken indicated thereon. In lieu of filing the aforementioned 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 the dead-weight 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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