

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Gulf Oil Corporation			Lease Federal Mills			Well No. 1		
Location of Well		Unit C	Sec 11	Twp 9-S	Rge 36-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 Allison Abo			Oil	Kobe Pump	Casing		2" WO	
Lower Compl Allison Penn			Oil	Kobe Pump	Tubing		1 1/4" WO	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:15 AM, 4-2-64

Well opened at (hour, date): <u>10:15 AM, 4-3-64</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>94</u>	<u>12</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>40</u>	<u>30</u>
Minimum pressure during test.....	<u>15</u>	<u>10</u>
Pressure at conclusion of test.....	<u>29</u>	<u>10</u>
Pressure change during test (Maximum minus Minimum).....	<u>25</u>	<u>20</u>
Was pressure change an increase or a decrease?.....	<u>Deccr.</u>	<u>Deccr.</u>
Well closed at (hour, date): <u>10:15 AM, 4-4-64</u>	Total Time On Production <u>24 Hrs.</u>	
Oil Production	Gas Production	
During Test: <u>38.53</u> bbls; Grav. <u>40.5</u>	; During Test <u>25.34</u> MCF; GOR <u>658</u>	

Remarks _____

FLOW TEST NO. 2

Well opened at (hour, date): <u>10:15 AM, 4-5-64</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>88</u>	<u>6</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>117</u>	<u>125</u>
Minimum pressure during test.....	<u>88</u>	<u>32</u>
Pressure at conclusion of test.....	<u>117</u>	<u>56</u>
Pressure change during test (Maximum minus Minimum).....	<u>29</u>	<u>93</u>
Was pressure change an increase or a decrease?.....	<u>Incr.</u>	<u>Incr.</u>
Well closed at (hour, date): <u>10:15 AM, 4-6-64</u>	Total time on Production <u>24 hrs.</u>	
Oil Production	Gas Production	
During Test: <u>33.76</u> bbls; Grav. <u>45.2</u>	; During Test <u>49.9</u> MCF; GOR <u>1479</u>	

Remarks _____

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

Approved 1964 19 _____
New Mexico Oil Conservation Commission

Operator GULF OIL CORPORATION
By E. Dangler
Title Area Engineer
Date April 8, 1964

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 main 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 during the beginning and once at the end of each flow test.

8. The results of the above-described tests shall be filed in duplicate 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 1-1-55 together with the original pressure recording gauge charts and the deadweight pressures which were taken indicated thereon. In lieu of making 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.

1. A packer leakage test shall be commenced on a well immediately completed well 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, after the packer or the tubing have been disturbed. Tests shall also be required in any case that communication is suspected or when evidence of communication is noted.
2. At least 72 hours prior to the commencement of any packer leakage test the operator shall notify the Commission of the location of the well and the test is to be commenced. Offset operations shall be noted.
3. The packer leakage test shall commence after completion of the last completion are shut-in for pressure stabilization. The zone shall be shut-in until the well-head pressure in the zone has stabilized and for a minimum of two hours thereafter, provided however that the test need not be shut-in more than 24 hours.
4. For Flow Test No. 1, one zone of the well shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued until the flowing well-head pressure has become stabilized and for a minimum of 48 hours. The test need not be continued if the flow test need not continue for 48 hours.

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HOBBS OFFICE O. C. C.