

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator <b>Gulf Oil Corporation</b>			Lease <b>Higgins</b>			Well No. <b>2</b>		
Location of Well	Unit <b>I</b>	Sec <b>29</b>	Twp <b>22S</b>	Rge <b>38E</b>	County <b>Lea</b>			
	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	<b>Paddock South</b>		<b>Oil</b>	<b>Pump</b>	<b>Tbg.</b>	<b>2" WO</b>		
Lower Compl	<b>Drinkerad</b>		<b>Oil</b>	<b>Standing TA</b>	<b>Tbg.</b>			

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:30 a.m., 1-30-67

	Upper Completion	Lower Completion
Well opened at (hour, date): <u>9:30 a.m., 1-31-67</u>		
Indicate by ( X ) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>211</u>	<u>201</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>211</u>	<u>201</u>
Minimum pressure during test.....	<u>15</u>	<u>197</u>
Pressure at conclusion of test.....	<u>29</u>	<u>197</u>
Pressure change during test (Maximum minus Minimum).....	<u>196</u>	<u>4</u>
Was pressure change an increase or a decrease?.....	<u>Decr.</u>	<u>Decr.</u>
Well closed at (hour, date): <u>8:30 a.m., 2-1-67</u>	Total Time On Production <u>23 hrs</u>	
Oil Production During Test: <u>72</u> bbls; Grav. <u>38.0</u>	Gas Production During Test: <u>27.0</u> MCF; GOR <u>375</u>	
Remarks _____		

FLOW TEST NO. 2

	Upper Completion	Lower Completion
Well opened at (hour, date): _____		
Indicate by ( X ) the zone producing.....		
Pressure at beginning of test.....	<u>221</u>	<u>207</u>
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 During Test: _____ bbls; Grav. _____	Gas Production During Test: _____ MCF; GOR _____	
Remarks _____		

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

SIGN \_\_\_\_\_  
Title \_\_\_\_\_

Operator **Gulf Oil Corporation**

Original Signed By:

By J. W. Davis

J. W. Davis

Title Well Tester

Date 2-6-67

### SAFETY TEST INSTRUCTIONS

well as the completion of the well on each multiple completed thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following completion of a chemical or fracture treatment, and whenever remedial work has been completed, 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.

2. At least one person shall be in the management of any packer leakage test, the operator shall notify the Commission in writing of the exact time the test is to be made and other operators shall also be so notified.

34. The purpose of this section is to ensure that both zones of the dual completion are shut in to ensure reservoir stabilization. Both zones shall remain shut in until the pressure in each has stabilized and for a minimum of two (2) days. It is to be noted that the need not remain shut in may be waived.

4. For Flare Tests 4 and 5, the rate of the final completion shall be produced at the normal rate of production and the other zone remains shut-in. Such test shall be continued until the flaring wellhead pressure has become stabilized and is maintained at that level thereafter, provided however, that the flare is shut-in if the flare is more than 24 hours.

5. Following completion of flow test, the test shall be conducted in accordance with Paragraph 4.

6. Flow Test No. 2 shall be conducted as soon as possible after the completion of Flow Test No. 1. The production rate for Flow Test No. 2 shall 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 plate test shall be continuously measured and recorded. All pressure gauges, the accuracy of which must be checked within 10% of design pressure before the beginning and once at the end of the plate test.

8. The results of the above test are as follows: The pressure in the well within 15 days after completion of the test was maintained at or below the appropriate District Office of the New Mexico Geological Survey. The mission on Southeast New Mexico. The leakage test results are as follows: Together with the other pressure recording gauge attached to the well, the deadweight pressure was also taken, indicated there was no change in the filing the aforesaid gauge. The operator may construct a graph of the time curve for each gauge and be indicating the pressure changes which may be effected by the gauge checks as well as the dead weight pressure readings which were taken. If the pressure is to be submitted, the original data should be permanently filed in the operator's office. Form G-11-B should be used in making the pressure gauge test when the test period is longer than 24 hours. The test should be conducted

[illegible]