

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Gulf Oil Corporation			Lease Arnott-Ramsay (NCT-D)			Well No. 7	
Location of Well	Unit M	Sec 33	Twp 21S	Rge 36E	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	Jalmat		Oil	Flow	Tbg.	20/64"	
Lower Compl	South Eunice		Oil	Pump	Tbg.	2" WO	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:30 a.m., 9-13-65

	Upper Completion	Lower Completion
Well opened at (hour, date): <u>9:30 a.m., 9-14-65</u>		
Indicate by (X) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>357</u>	<u>100</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>357</u>	<u>105</u>
Minimum pressure during test.....	<u>121</u>	<u>100</u>
Pressure at conclusion of test.....	<u>121</u>	<u>105</u>
Pressure change during test (Maximum minus Minimum).....	<u>236</u>	<u>5</u>
Was pressure change an increase or a decrease?.....	<u>Decr.</u>	<u>Incr.</u>
Well closed at (hour, date): <u>9:30 a.m., 9-15-65</u>	Total Time On Production <u>24 hrs</u>	
Oil Production During Test: <u>15</u> bbls; Grav. <u>35.8</u> ;	Gas Production During Test <u>227.0</u> MCF; GOR <u>15,133</u>	
Remarks _____		

FLOW TEST NO. 2

	Upper Completion	Lower Completion
Well opened at (hour, date): <u>9:30 a.m., 9-16-65</u>		
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>381</u>	<u>108</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>389</u>	<u>108</u>
Minimum pressure during test.....	<u>381</u>	<u>25</u>
Pressure at conclusion of test.....	<u>389</u>	<u>33</u>
Pressure change during test (Maximum minus Minimum).....	<u>8</u>	<u>83</u>
Was pressure change an increase or a decrease?.....	<u>Incr.</u>	<u>Decr.</u>
Well closed at (hour, date): <u>9:30 a.m., 9-17-65</u>	Total time on Production <u>24 hrs</u>	
Oil Production During Test: <u>8</u> bbls; Grav. <u>36.5</u> ;	Gas Production During Test <u>101.0</u> MCF; GOR <u>12,625</u>	
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

Operator Gulf Oil Corporation

By J. W. Davis

Title Well Tester

Date 9-20-65

By _____
Title _____

SOUTHEAST NEW MEXICO PACKER LEAKAGE INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiple 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 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 72 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 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.
5. The results of the above test shall be reported to the Commission in accordance with Form C-116, and shall be filed with the appropriate District Office of the Commission on Southeast New Mexico together with the original plot of the deadweight pressures which were taken during the test, and a plot of the pressure changes which may be reflected on the well as the deadweight pressure readings were taken. The original chart must be submitted to the District Office of the Commission on Southeast New Mexico when the test period concludes.
6. Flow Test No. 2 shall be conducted in the same manner as Flow Test No. 1 except that the well shall remain shut-in while the pressures are being measured.
7. All pressures, throughout the test, shall be measured and recorded with recording pressure gauges which must be checked with a deadweight tester at the beginning and once at the end of the test.
8. The results of the above test shall be reported to the Commission in accordance with Form C-116, and shall be filed with the appropriate District Office of the Commission on Southeast New Mexico together with the original plot of the deadweight pressures which were taken during the test, and a plot of the pressure changes which may be reflected on the well as the deadweight pressure readings were taken. The original chart must be submitted to the District Office of the Commission on Southeast New Mexico when the test period concludes.

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