

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator WESTERN NATURAL GAS COMPANY			Lease WIMBERLY			Well No. 4	
Location of Well	Unit E	Sec 24	Twp 25 S	Rge 37 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	JUSTIS-DRINKARD		OIL	ART LIFT	Tbg	32/64"	
Lower Compl	JUSTIS-FUSSELMAN		OIL	ART LIFT	Tbg	20/64"	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:45 AM 4-8-63

	Upper Completion	Lower Completion
Well opened at (hour, date): <u>10:30 AM 4-9-63</u>		
Indicate by (X) the zone producing.....	<u>X</u>	
Pressure at beginning of test.....	<u>1200</u>	<u>200</u>
Stabilized? (Yes or No).....	<u>YES</u>	<u>No</u>
Maximum pressure during test.....	<u>1200</u>	<u>270</u>
Minimum pressure during test.....	<u>100</u>	<u>200</u>
Pressure at conclusion of test.....	<u>100</u>	<u>270</u>
Pressure change during test (Maximum minus Minimum).....	<u>1100</u>	<u>70</u>
Was pressure change an increase or a decrease?.....	<u>DECREASE</u>	<u>INCREASE</u>
Total Time On Production <u>23.75 HOURS</u>		
Well closed at (hour, date): <u>10:15 AM 4-10-63</u>		
Oil Production During Test: <u>64.00</u> bbls; Grav. <u>39.0</u> ;	Gas Production During Test <u>182.400</u> MCF; GOR <u>2850</u>	
Remarks _____		

FLOW TEST NO. 2

Well opened at (hour, date): <u>10:15 AM 4-11-63</u>	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		<u>X</u>
Pressure at beginning of test.....	<u>1195</u>	<u>685</u>
Stabilized? (Yes or No).....	<u>YES</u>	<u>YES</u>
Maximum pressure during test.....	<u>1230</u>	<u>780</u>
Minimum pressure during test.....	<u>1195</u>	<u>25</u>
Pressure at conclusion of test.....	<u>1230</u>	<u>65</u>
Pressure change during test (Maximum minus Minimum).....	<u>35</u>	<u>755</u>
Was pressure change an increase or a decrease?.....	<u>INCREASE</u>	<u>DECREASE</u>
Total time on Production <u>23 HOURS</u>		
Well closed at (hour, date): <u>9:15 AM 4-12-63</u>		
Oil Production During Test: <u>111.5</u> bbls; Grav. <u>38.2</u> ;	Gas Production During Test <u>75.820</u> MCF; GOR <u>680</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

By _____
Title _____

Operator **WESTERN NATURAL GAS COMPANY**

By **COLEMAN PETROLEUM ENGINEERING CO.**

AGENT

Date 4-9-63

PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer assembly 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. Packers shall also be commenced on all multiple completions within seven days for well completion and/or chemical or fracture treatment and when other remedial work has been done on a well during which the packer or cementing has been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Commission.

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 conducted. Off-set operators shall also be so notified.

The major bridge test shall commence when both zones of the dual completion are at a pressure stabilization. Both zones shall remain shut in until the pressure in each has stabilized and for a minimum of two hours. It is provided however that they need not remain shut in for the full

4. For the first zone of the dual completion shall be produced at the normal flow rate while the other zone remains shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized for a minimum of two hours thereafter, provided however, that the test may be extended for a time for more than 24 hours.

5. Following completion of Flow Test No. 1 the well shall be tested in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though an area is shut-in during Flow Test No. 1. Procedure for Flow Test No. 2 shall be the same as for Flow Test No. 1 except that the previously produced zone and the 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 recorded within 15 days after completion of the test. Tests shall be made at the appropriate District Office of the New Mexico Oil Conservation Commission on Southeast New Mexico Packer Leakage Test Form C-116, together with the original pressure recording charts, indicating the deadweight pressures which were taken indicated thereon. In plotting the filling the aforesaid charts, the operator may construct a pressure-time curve for each zone of each test, indicating the pressure changes which may be reflected by the gauge starts as well as the weight pressure readings which were taken. If the pressure at any time falls below the original chart must be permanently filed in the operating office. Form C-116 shall also accompany the Packer Leakage Test Form when the test period coincides with a gas-oil ratio test period.