

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Marathon Oil Company				Lease Lea Unit			Well No. 11	
Location of Well	Unit N	Sec 13	Twp 20S	Rge 34E		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	Lea Pennsylvanian		Gas	Flow	Tubing	12/64		
Lower Compl	Lea Devonian		Oil	Gas Lift	Tubing	3/4		

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 11:30 A.M. 11-13-63

Well opened at (hour, date): 11:30 A.M. 11-14-63

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	<u>X</u>	<u> </u>
Pressure at beginning of test.....	<u>4620</u>	<u>300</u>
Stabilized? (Yes or No).....	<u>No</u>	<u>No</u>
Maximum pressure during test.....	<u>4620</u>	<u>300</u>
Minimum pressure during test.....	<u>4050</u>	<u>300</u>
Pressure at conclusion of test.....	<u>4120</u>	<u>300</u>
Pressure change during test (Maximum minus Minimum).....	<u>570</u>	<u>0</u>
Was pressure change an increase or a decrease?.....	<u>Decrease</u>	<u>N.C.</u>

Well closed at (hour, date): 3:30 P.M. 11-14-63 Total Time On Production 4 Hours

Oil Production During Test: 59.57 bbls; Grav. 51.1°; Gas Production During Test 420 MCF; GOR 10.614

Remarks _____

FLOW TEST NO. 2

Well opened at (hour, date): 11:30 A.M. 11-15-63

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	<u> </u>	<u>X</u>
Pressure at beginning of test.....	<u>4680</u>	<u>340</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>4680</u>	<u>580</u>
Minimum pressure during test.....	<u>4620</u>	<u>20</u>
Pressure at conclusion of test.....	<u>4680</u>	<u>20</u>
Pressure change during test (Maximum minus Minimum).....	<u>60</u>	<u>560</u>
Was pressure change an increase or a decrease?.....	<u>N.C.</u>	<u>Decrease</u>

Well closed at (hour, date) 11:30 A.M. 11-16-63 Total time on Production 24 Hours

Oil Production During Test: 51.25 bbls; Grav. 54.8; Gas Production During Test 20.19 MCF; GOR 394

Remarks Injection gas 66.79 Total gas produced 86.98

The results of this test indicate that there is not any communication between the two zones.

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 Marathon Oil Company
By [Signature]
Title Petroleum Engineer
Date 11-22-63

Pressure - PSIG

