

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	15/64
Lower Compl	Lea Devonian		Oil	Gas Lift	Tubing	3/4

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 11:00 A.M. 2-3-64

Well opened at (hour, date): 10:15 A.M. 2-4-64

	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....	<u>X</u>	<u>        </u>
Pressure at beginning of test.....	<u>2600</u>	<u>820</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>2600</u>	<u>830</u>
Minimum pressure during test.....	<u>2470</u>	<u>820</u>
Pressure at conclusion of test.....	<u>2520</u>	<u>830</u>
Pressure change during test (Maximum minus Minimum).....	<u>130</u>	<u>10</u>
Was pressure change an increase or a decrease?.....	<u>Decrease</u>	<u>Increase</u>

Well closed at (hour, date): 10:15 A.M. 2-5-64 Total Time On Production 24 Hours

Oil Production \_\_\_\_\_ Gas Production \_\_\_\_\_

During Test: 128 bbls; Grav. 51.3; During Test 992.9 MCF; GOR 7734

Remarks \_\_\_\_\_

FLOW TEST NO. 2

Well opened at (hour, date): 9:00 P.M. 2-5-64

	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....	<u>        </u>	<u>X</u>
Pressure at beginning of test.....	<u>2600</u>	<u>830</u>
Stabilized? (Yes or No).....	<u>Yes</u>	<u>Yes</u>
Maximum pressure during test.....	<u>2650</u>	<u>830</u>
Minimum pressure during test.....	<u>2570</u>	<u>20</u>
Pressure at conclusion of test.....	<u>2650</u>	<u>30</u>
Pressure change during test (Maximum minus Minimum).....	<u>80</u>	<u>810</u>
Was pressure change an increase or a decrease?.....	<u>Increase</u>	<u>Decrease</u>

Well closed at (hour, date) 3:30 P.M. 2-6-64 Total time on Production 18 1/2 Hours

Oil Production \_\_\_\_\_ Gas Production \_\_\_\_\_

During Test: 17.07 bbls; Grav. 55.1; During Test 10.37 MCF; GOR 607

Remarks Injection gas = 20.12 MCF Total gas produced = 30.49 MCF

The results of this test indicate that there is no communication between the subject 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 Jerry F. Genzel

Title Assoc. Petr. Engr.

Date 2-10-64