

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Marathon Oil Company			Lease Lea Unit			Well No. 1
Location of Well	Unit L	Sec 12	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 Bone Springs		Oil	Gas Lift	Tubing	3/4
Lower Compl	Lea Devonian		Oil	Gas Lift	Tubing	3/4

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 1:15 P.M. 6-1-64

Well opened at (hour, date): 1:15 P.M. 6-2-64

	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....		X
Pressure at beginning of test.....	835	590
Stabilized? (Yes or No).....	No	No
Maximum pressure during test.....	835	590
Minimum pressure during test.....	780	25
Pressure at conclusion of test.....	800	100
Pressure change during test (Maximum minus Minimum).....	55	565
Was pressure change an increase or a decrease?.....	Decrease	Decrease

Well closed at (hour, date): 1:15 PM 6-3-64 Total Time On Production 24 Hours

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

During Test: 47.36 bbls; Grav. 58.1 ; During Test 235.89 MCF; GOR 500

Remarks The casing pressure decreased at beginning of Devonian flow test, affecting the gas-lift valves on the Bone Springs zone and causing the tubing pressure to decrease also.

FLOW TEST NO. 2

Well opened at (hour, date): 12:45 P.M. 6-4-64

	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....	X	
Pressure at beginning of test.....	780	880
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	780	890
Minimum pressure during test.....	20	880
Pressure at conclusion of test.....	75	880
Pressure change during test (Maximum minus Minimum).....	760	10
Was pressure change an increase or a decrease?.....	Decrease	Increase

Well closed at (hour, date) 12:45 PM 6-5-64 Total time on Production 24 Hours

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

During Test: 99 bbls; Grav. 43.2 ; During Test 99.71 MCF; GOR 1007

Remarks 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 JU 1964  
New Mexico Oil Conservation Commission

Operator Marathon Oil Company  
By Jerry J. Lenz  
Title Assoc. Petroleum Engineer  
Date 6-9-64

By \_\_\_\_\_  
Title \_\_\_\_\_