

NEW MEXICO OIL CONSERVATION COMMISSION
 SOUTHEAST NEW MEXICO Packer Leakage Test

Operator Marathon Oil Co.		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	"

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 9:00 AM 1-4-66

Well opened at (hour, date): 9:00 AM 1-5-66

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....	X	
Pressure at beginning of test.....	785	840
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	785	840
Minimum pressure during test.....	25	815
Pressure at conclusion of test.....	50	815
Pressure change during test (Maximum minus Minimum).....	760	25
Was pressure change an increase or a decrease?.....	Decr.	** Decr.

Well closed at (hour, date): 9:00 AM 1-6-66

Oil Production During Test: 120.5 bbls; Grav. 43.1; Gas Production During Test: 48.56 MCF; GOR 403

Remarks ** See explanation on attached graph.

FLOW TEST NO. 2

Well opened at (hour, date): 3:30 PM 1-6-66

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		X
Pressure at beginning of test.....	775	820
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	775	820
Minimum pressure during test.....	680	60
Pressure at conclusion of test.....	730	60
Pressure change during test (Maximum minus Minimum).....	95	760
Was pressure change an increase or a decrease?.....	** Decr.	Decr.

Well closed at (hour, date): 3:30 PM 1-7-66

Oil Production During Test: 170.2 bbls; Grav. 58.6; Gas Production During Test: 105.52 MCF; GOR 620

Remarks ** See explanation on attached graph. 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

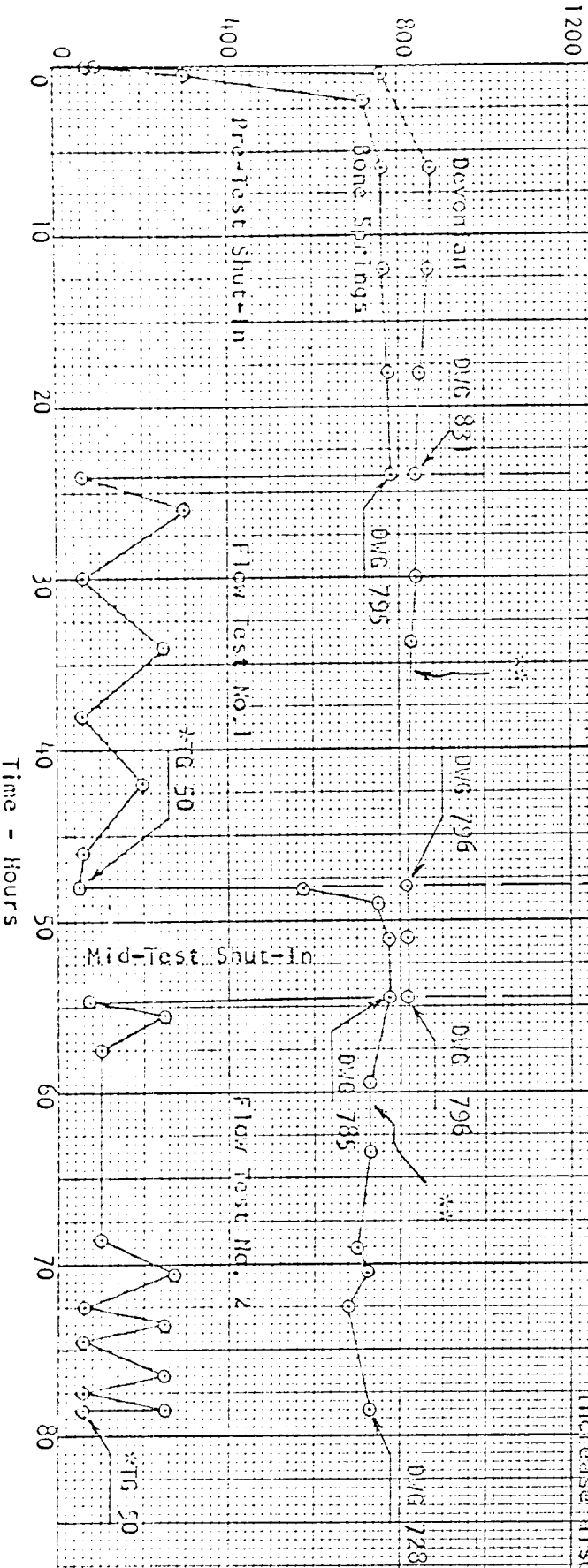
By _____

By _____ Title Assoc. Petr. Engr.

Date 1-10-66

Pressur PSIG

MARATHON OIL COMPANY
LEA UNIT, WELL NO. 1
OIL-OIL DUAL
LEA COUNTY, NEW MEXICO
ANNUAL PACKER LEAKAGE TEST
1-10-66
JFG



* Both tubing strings have C.L. valves installed.
When one zone is produced, the casing pressure will fluctuate. This in return will cause the shut-in zone's pressure to fluctuate also because:
(1) If the casing pressure decreased, the check valves in the G.L. valves will not seat until a specific back flow velocity is reached and
(2) If the casing pressure is increased, a gas lift valve will open causing the tubing pressure to increase also.

* Test Gauge