

NEW MEXICO
OIL CONSERVATION COMMISSION

4-1-56

PACKER LEAKAGE TEST

Operator The Pure Oil Company Pool (Upper Completion) Devonian
Lease South Vacuum Unit Well 2-35 Pool (Lower Completion) McKee
Location: Unit I, S. 35, T18-S, R 35-E Lea County, N. M.

Pre-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date).....	<u>7:00 AM 10-26-58</u>	<u>7:00 AM 10-24-58</u>
Pressure stabilized at (hour, date).....	<u>10:00 AM 10-26-58</u>	<u>7:00 AM 10-25-58</u>
Length of time required to stabilize (hours).....	<u>3</u>	<u>24</u>

Flow Test No. 1

Test commenced at (hour, date) 10:00 PM 10-27-58 Choke size 32/64
Completion producing McKee Completion shut-in Devonian

	Upper Completion	Lower Completion
Stabilized pressure at beginning of test.....	<u>778 DWT</u> psi	<u>3498 DWT</u> psi
Maximum pressure during test.....	<u>778 DWT</u> psi	<u>3498</u> psi
Minimum pressure during test.....	<u>778 DWT</u> psi	<u>80</u> psi
Pressure at end of test.....	<u>778 DWT</u> psi	<u>80</u> psi
Maximum pressure change during test.....	<u>0</u> psi	<u>3418</u> psi
Oil flow rate during test: <u>22.9</u> BOPD based on <u>13.37</u> BO in		<u>14</u> hours.
Gas flow rate during test: <u>511</u> MCFPD based on <u>298</u> MCF in		<u>14</u> hours.

Mid-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date).....	<u>7:00 AM 10-26-58</u>	<u>10:00 AM 10-29-58</u>
Pressure stabilized at (hour, date).....	<u>10:00 AM 10-26-58</u>	<u>10:00 AM 10-30-58</u>
Length of time required to stabilize (hours).....	<u>2</u>	<u>24</u>

Flow Test No. 2

Test commenced at (hour, date) 1:00 PM 10-30-58 Choke size 7/64"
Completion producing Devonian Completion shut-in McKee

	Upper Completion	Lower Completion
Stabilized pressure at beginning of test.....	<u>778 DWT</u> psi	<u>3280 DWT</u> psi
Maximum pressure during test.....	<u>778</u> psi	<u>3280</u> psi
Minimum pressure during test.....	<u>647 DWT</u> psi	<u>3280</u> psi
Pressure at end of test.....	<u>647 DWT</u> psi	<u>3280</u> psi
Maximum pressure change during test.....	<u>131</u> psi	<u>3200</u> psi
Oil flow rate during test: <u>180</u> BOPD based on <u>30</u> BO in		<u>4</u> hours.
Gas flow rate during test: <u>13.5</u> MCFPD based on <u>3.38</u> MCF in		<u>4</u> hours.

Test performed by L. M. Williams Title Production Engineer

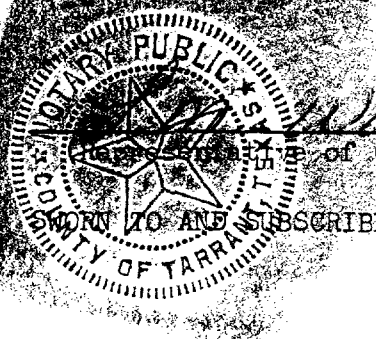
Witnessed by N. J. Littlejohn Title Production Foreman

REMARKS: Elements in recorder were 4000 psi; chart range was 0-500 psi. Therefore true pressure = chart pressure x 8.0
Blue curve is McKee - Red curve is Devonian

NOTE: Recording gauge pressure charts, test data sheet, and a graphic depiction of all phases of the test shall be submitted with this report.

AFFIDAVIT:

I HEREBY CERTIFY that all conditions prescribed by Oil Conservation Commission of the State of New Mexico for this packer leakage test were complied with and carried out in full, and that all dates and facts set forth in this form and all attached material are true and correct.



L. M. Williams For The Pure Oil Company
(Company Making Test) (Company Making Test)

SWORN TO AND SUBSCRIBED before me this the 18th day of November, 1958

John L. Gentry
Notary Public in and for the County of Tarrant
State of Texas

ILLEGIBLE

(OVER)

EXHIBIT 7