

#1374  
Ex. No. 2

NEW MEXICO  
OIL CONSERVATION COMMISSION

BEFORE THE  
OIL CONSERVATION COMMISSION  
SANTA FE, NEW MEXICO

Western EXHIBIT No. 2  
CASE 1374 + 1375-56

PACKER LEAKAGE TEST

Operator Western Natural Gas Company Pool (Upper Completion) Drinkard  
Lease Wimberley Well 3 Pool (Lower Completion) Fusselman  
Location: Unit D, S. 24, T. 25, R. 37, Lea County, N. M.

Pre-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date).....	9:30 PM(1-15-58)	9:30 PM (1-15-58)
Pressure stabilized at (hour, date).....	Unknown	Unknown
Length of time required to stabilize (hours).....	2 Hr. Minimum	2 Hr. Minimum

Flow Test No. 1

Test commenced at (hour, date) 1:30 PM (1-22-58) . Choke size 16/64"  
Completion producing Fusselman Completion shut-in Drinkard

	Upper Completion	Lower Completion
Stabilized pressure at beginning of test.....	970 Chart psi	540 Chart psi
Maximum pressure during test.....	970 psi	540 psi
Minimum pressure during test.....	970 psi	360 psi
Pressure at end of test.....	970 psi	475 psi
Maximum pressure change during test.....	None psi	180 psi
Oil flow rate during test: <u>123.60</u> BOPD based on <u>19.32</u> BO in		<u>3 3/4</u> hours.
Gas flow rate during test: <u>27.00</u> MCFPD based on <u>4.33</u> MCF in		<u>3 3/4</u> hours.

2/19/1 Mid-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date).....	9:30 PM(1-15-58)	5:15 PM (1-22-58)
Pressure stabilized at (hour, date).....	Unknown	7:00 PM (1-22-58)
Length of time required to stabilize (hours).....	2 Hr. Minimum	1 3/4 Hrs.

Flow Test No. 2

Test commenced at (hour, date) 11:30 AM (1-23-58) . Choke size 16/64"  
Completion producing Drinkard Completion shut-in Fusselman

	Upper Completion	Lower Completion
Stabilized pressure at beginning of test.....	970 Chart psi	500 Chart psi
Maximum pressure during test.....	970 psi	500 psi
Minimum pressure during test.....	700 psi	500 psi
Pressure at end of test.....	840 psi	500 psi
Maximum pressure change during test.....	270 psi	None psi
Oil flow rate during test: <u>296.16</u> BOPD based on <u>280.83</u> BO in		<u>22 3/4</u> hours.
Gas flow rate during test: <u>303.46</u> MCFPD based on <u>287.65</u> MCF in		<u>22 3/4</u> hours.

Test performed by Coleman Petroleum Engineering Title Agent

Witnessed by Don Gillet Title District Superintendent

REMARKS: Test results indicate that the two producing zones are separated properly.

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.

Joe A. Coleman For Western Natural Gas Company  
(Representative of Company Making Test) (Company Making Test)

SWORN TO AND SUBSCRIBED before me this the 25 day of January, 1958

Sarochy J. Ritz  
Notary Public in and for the County of Lea  
State of New Mexico  
Com. Exp. 4-23-60

(OVER)

NEW MEXICO  
OIL CONSERVATION COMMISSION

PACKER LEAKAGE TEST

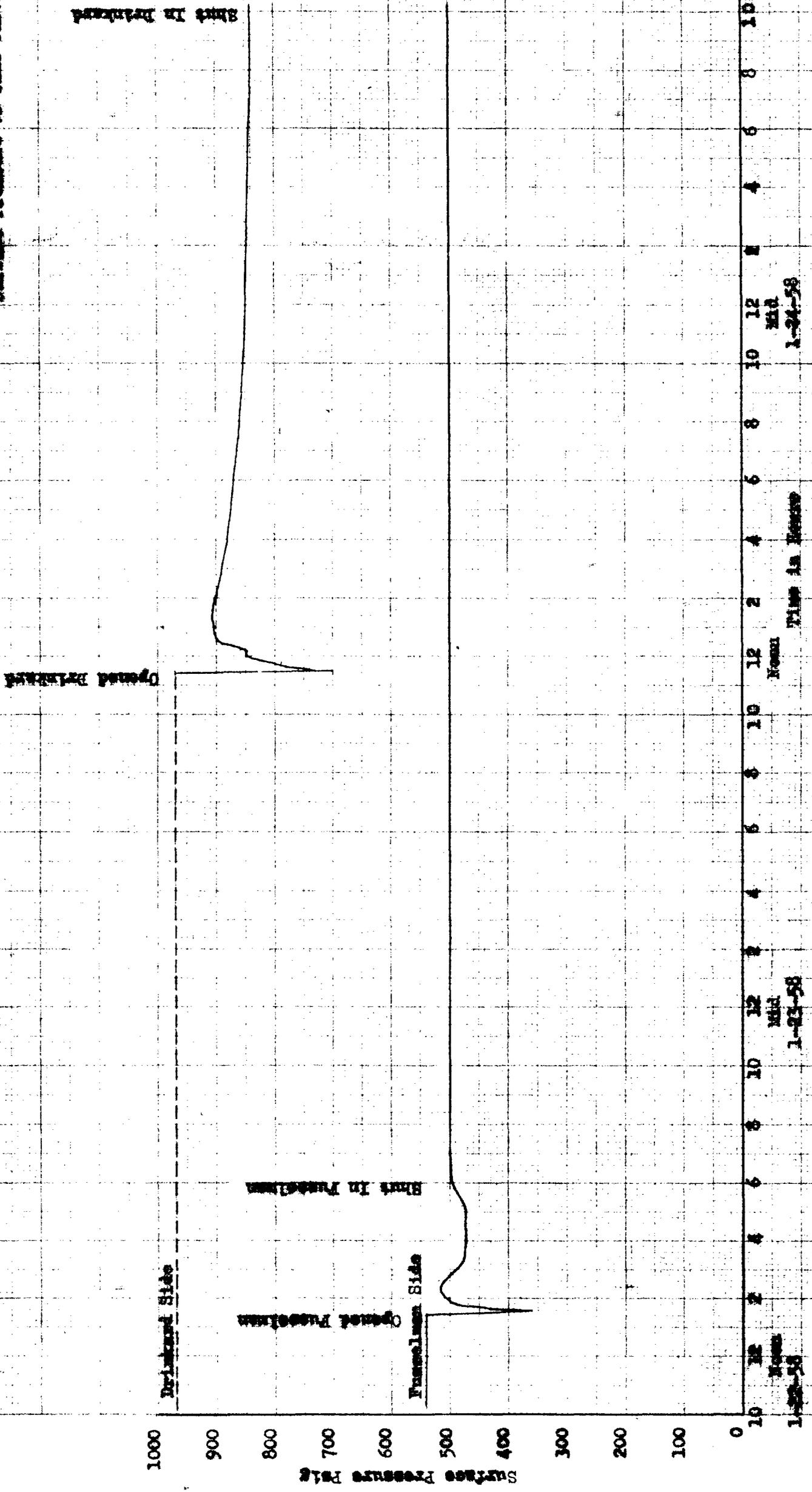
OPERATOR Western Natural Gas Company  
 LEASE NAME Wimberley WELL NO. 3  
 LOCATION NW/4 NW/4 24-25-37 COUNTY Lea

TEST DATA SHEET

<u>Time</u>	<u>Fusselman Pressure</u>	<u>Drinkard Pressure</u>	<u>Remarks</u>
	(1-15-58)		
9:30 PM	-	-	Both sides shut in for Packer Leakage test.
	(1-22-58)		
10:30 AM	519 DWT	933 DWT	Hooked up meter and started stabilized shut in period.
11:30	519	933	
1:30 PM	519	933	Finished 2 hour minimum stabilized period and opened Fusselman side for flow test.
3:15	458	933	Started 2 hour stabilized flow period.
4:15	457	933	
5:15	456	933	Finished 2 hour stabilized flow period and shut Fusselman side in for build up.
	(1-23-58)		
9:30 AM	482	933	Started 2 hour stabilized shut in period.
10:30	482	933	
11:00	482	933	Changed Chart.
11:30	482	933	Finished 2 hour stabilized shut in period and opened Drinkard side up for flow test.
	(1-24-58)		
8:00 AM	482	790	Started 2 hour stabilized flow period.
9:00	482	790	
10:15	482	790	Finished 2 hour stabilized flow period.

Test Complete

WESTERN NATURAL GAS COMPANY  
 Washington, Wash. No. 3  
 Transmitter - Infrared-Transmitter (Dual)  
 Low County, New Mexico  
 Surface Pressure vs Time Curve

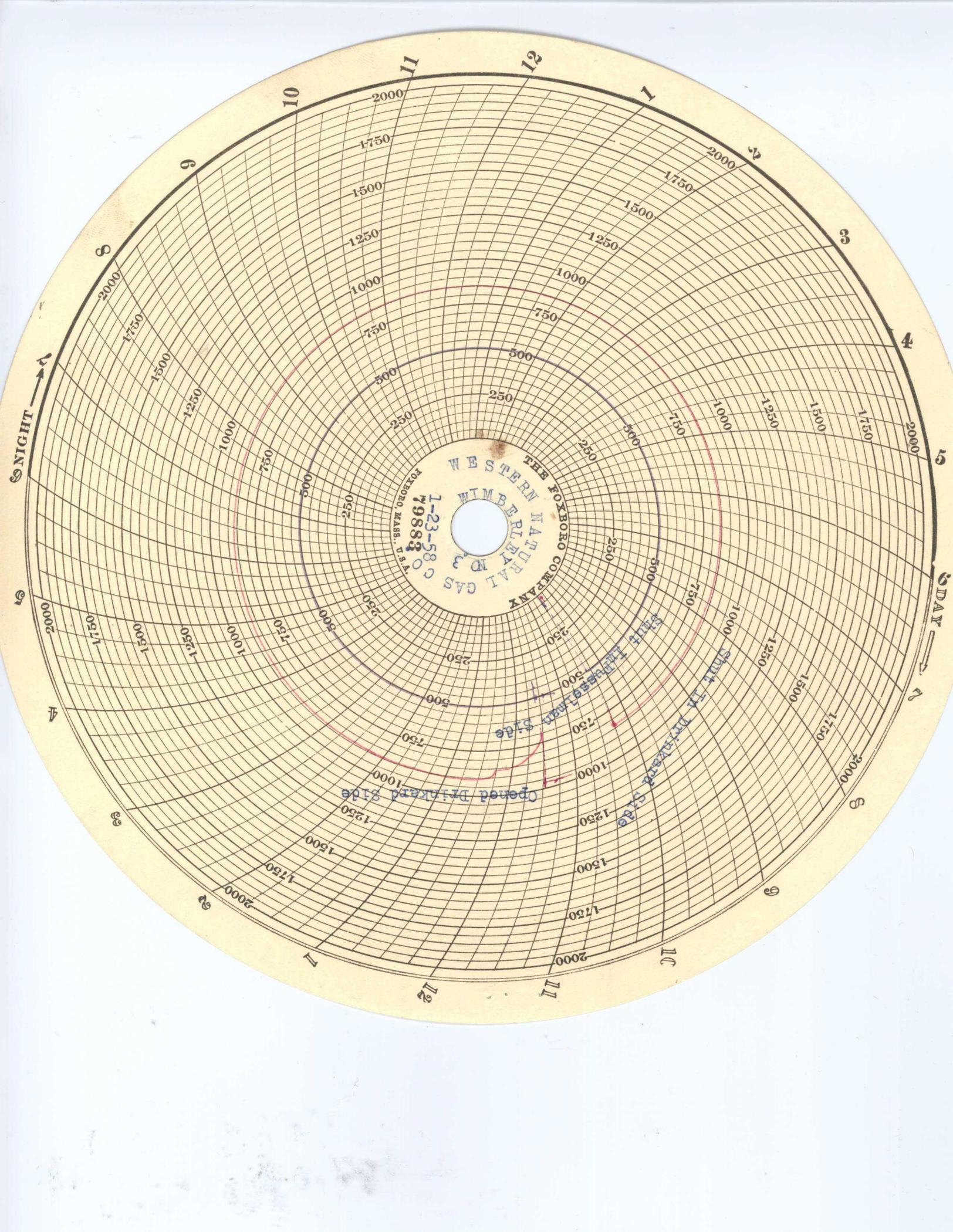


1-24-58

TIME IN HOURS

1-23-58

1-22-58



WESTERN NATURAL GAS  
THE FOXBORO COMPANY  
1-23-58099883  
FOXBORO, MASS., U.S.A.

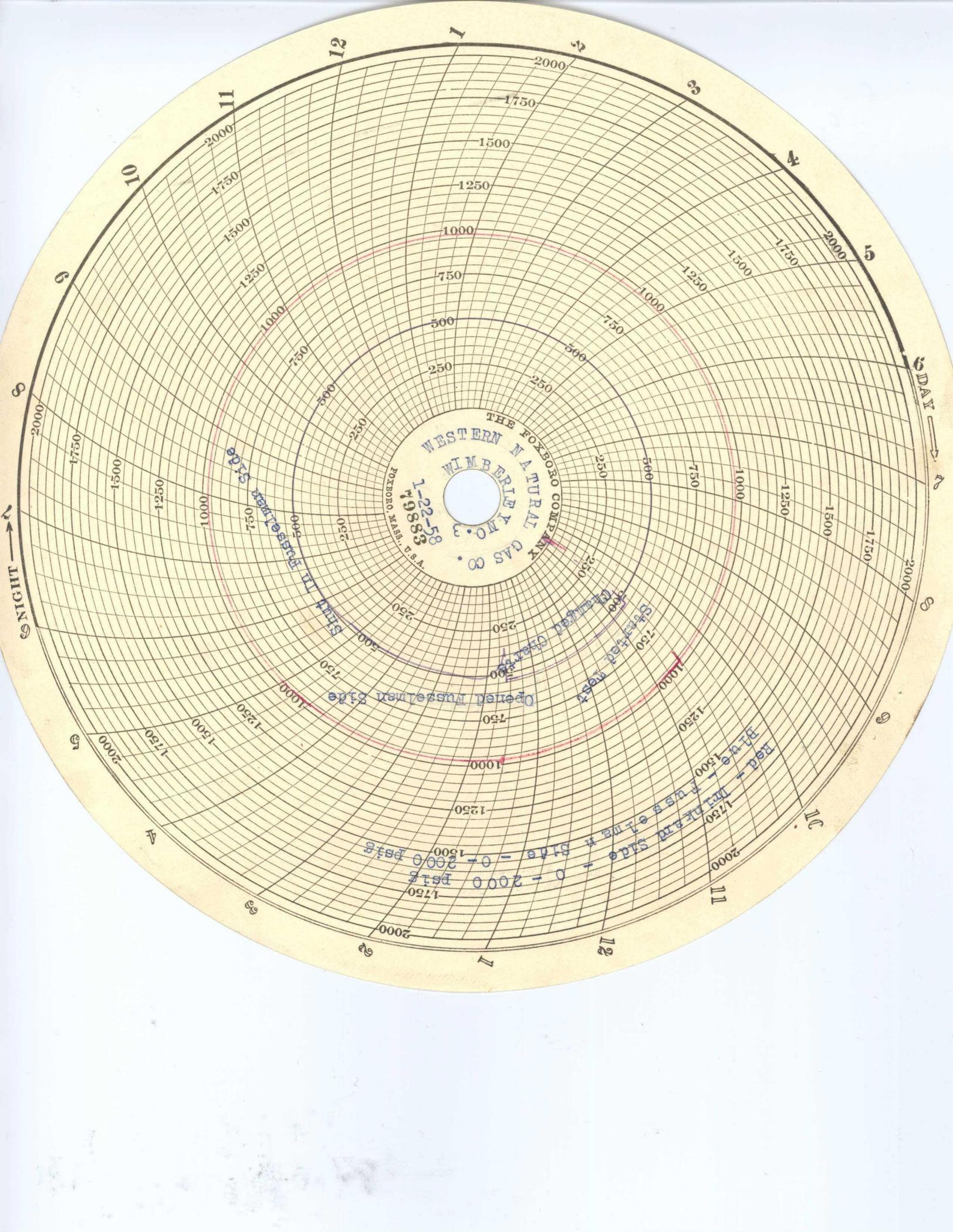
NIGHT →

DAY ←

Opened Drinkard side

Shift in Drinkard side

Shift in Drinkard side



THE FOXBORO COMPANY  
WESTERN NATURAL GAS CO.  
WIMBERLEY INC. CO.  
1-22-58  
498833  
FOXBORO, MASS. U.S.A.

Opened Fusselman Side  
Standard Weight  
Changed Chart

Red - Fusselman Side - 0 - 2000 psi  
Blue - Fusselman Side - 0 - 2000 psi

