NEW MEXICO
OIL CONSERVATION COMMISSION

4-1-56

PACKER LEAKAGE TEST

Operator Neville G. Penrose Pool (Upper Completion) Blinebry
Lease Hinton Well 10 Pool (Lower Completion) Tubb
Location: Unit D, S. 13, T 22S, R 37E, Lea County, N. M.

Pre-Test Shut-In Blinebry Tubb

	Upper Completion	Lower Completion
Shut-in at (hour, date)	8:00 AM (4-24-57)	8:00 AM (4-19-57)
Pressure stabilized at (hour, date)	Unknown	Unknown
Length of time required to stabilize (hours)	Used 4	Hour Stabilized Period

Flow Test No. 1

Test commenced at (hour, date) 10:00 AM (4-26-57). Choke size 20/64"
Completion producing Blinebry Completion shut-in Tubb

	Upper Completion		Lower Completion	
Stabilized pressure at beginning of test	1184 DWT	psi	1855 DWT	psi
Maximum pressure during test	1226 DWT	psi	1855 DWT	psi
Minimum pressure during test	48 DWT	psi	1855 DWT	psi
Pressure at end of test	1226 DWT	psi	1855 DWT	psi
Maximum pressure change during test	1178	psi	0	psi
Oil flow rate during test: 18 BOPD based on 3.45 BO in			4 1/2	hours.
Gas flow rate during test: 83.8 MCFPD based on 15.719 MCF in			4 1/2	hours.

Mid-Test Shut-In

	Upper Completion	Lower Completion
Shut-in at (hour, date)	(2:30 PM)(4-26-57)	8:00 AM (4-19-57)
Pressure stabilized at (hour, date)	-	-
Length of time required to stabilize (hours)	24 Hr. Minimum	-

Flow Test No. 2

Test commenced at (hour, date) 2:30 PM (4-27-57). Choke size 3/4"
Completion producing Tubb Completion shut-in Blinebry

	Upper Completion		Lower Completion	
Stabilized pressure at beginning of test	1226 DWT	psi	1855 DWT	psi
Maximum pressure during test	1226 DWT	psi	1855 DWT	psi
Minimum pressure during test	752 DWT	psi	350 DWT	psi
Pressure at end of test	752 DWT	psi	350 DWT	psi
Maximum pressure change during test	474	psi	1505	psi
Oil flow rate during test: None BOPD based on - BO in			-	hours.
Gas flow rate during test: 4155 MCFPD based on 3029.6 MCF in			17 1/2	hours.

Test performed by Joe A. Coleman Title P.E. New Mex. Certificate No. 2028

Witnessed by T. H. Bright Title General Superintendent

REMARKS: Results of Packer Leakage Test indicate that packer is serving its intended purpose.

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.

T. H. Bright (Representative of Company Making Test) For Neville G. Penrose, Inc. (Company Making Test)

SWORN TO AND SUBSCRIBED before me this the 7th day of May, 1957

Mary E. Daniel
Notary Public in and for the County of Lea
State of New Mexico.

(OVER)

INSTRUCTIONS
(SOUTHEAST NEW MEXICO ONLY)

1. At least 24 hours prior to the commencement of this test, the operator shall notify the District Office of the Oil Conservation Commission in writing of the exact time said test is to be commenced.

2. The packer leakage test shall commence with both sides of the completion shut-in. Both sides of the completion must be shut-in a sufficient length of time to allow for complete stabilization of both wellhead pressures, and for a minimum of 2 hours thereafter- this minimum of 2 hours shut-in must show on the charts of the pressure recorder and also must appear on the data sheet.

3. For Flow Test No. 1, one side of the dual completion shall be produced with the other side shut-in. Such test shall be continued until the flowing wellhead pressure has become stabilized and for a minimum of 2 hours thereafter, and shall be at a rate of flow approximating the normal rate of flow for the zone being produced.

4. Following the completion of flow test No. 1, the well will again be shut-in, and remain so until the wellhead pressures have again become stabilized and for a minimum of 2 hours thereafter.

5. Flow Test No. 2 shall be performed with the previously shut-in side of the dual completion flowing and with the flowing side of the completion used in test number 1 remaining shut-in. This test shall be conducted exactly as outlined under Flow Test No. 1, and must be performed even though no leak was indicated by Flow Test No. 1.

6. All pressures, throughout the entire test, must be continuously measured and recorded with recording pressure gauges.

7. The accuracy of the recording gauges shall be checked at regular intervals throughout the test with a dead weight test gauge, and such readings shall be recorded on the test data sheet provided.

8. For any well on which the wellhead pressures will not stabilize in (24) twenty four hours or less, the minimum producing or shut-in time allowed for stabilization shall be (24) twenty-four hours.

9. This form must be completed and filed in duplicate with the District Office of the Oil Conservation Commission within 15 days following the completion of the testing, and must be accompanied by:

    a. all of the charts, or copies thereof, used on the pressure recorders during the test.

    b. the test data-sheet (s), or copies thereof, required under paragraph 7 above.

    c. a graph depicting the pressures and their changes, for both sides of the completion over the entire test.

10. This packer leakage test shall be performed upon dual completion of any new wells so approved by the Commission. This test shall also be required each year during the annual GOR test for the lowermost oil zone or oil pool so concerned. The Commission may also request packer leakage tests at any time they feel that a new test is desirable.

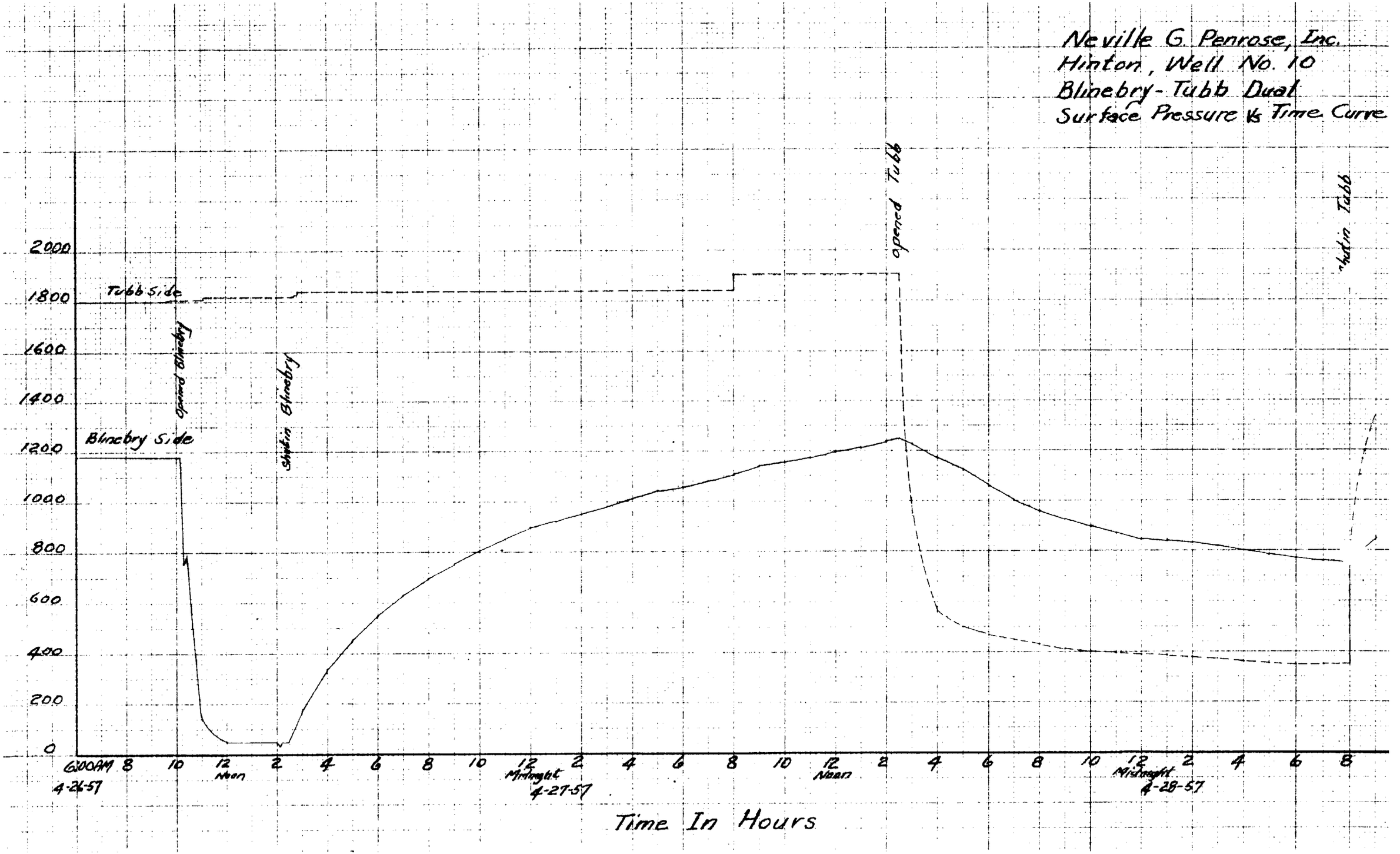
NEW MEXICO
OIL CONSERVATION COMMISSION

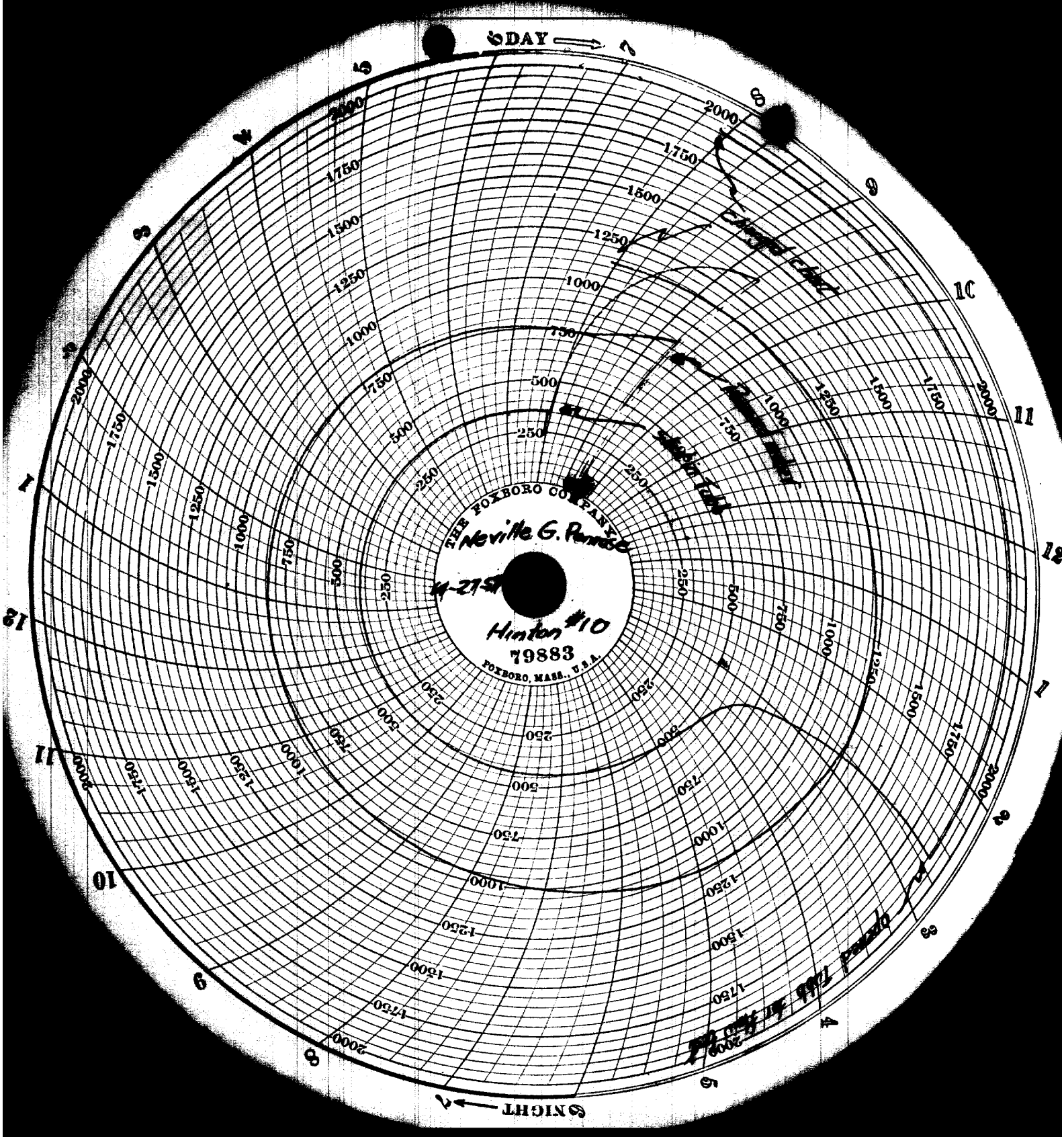
PACKER LEAKAGE TEST

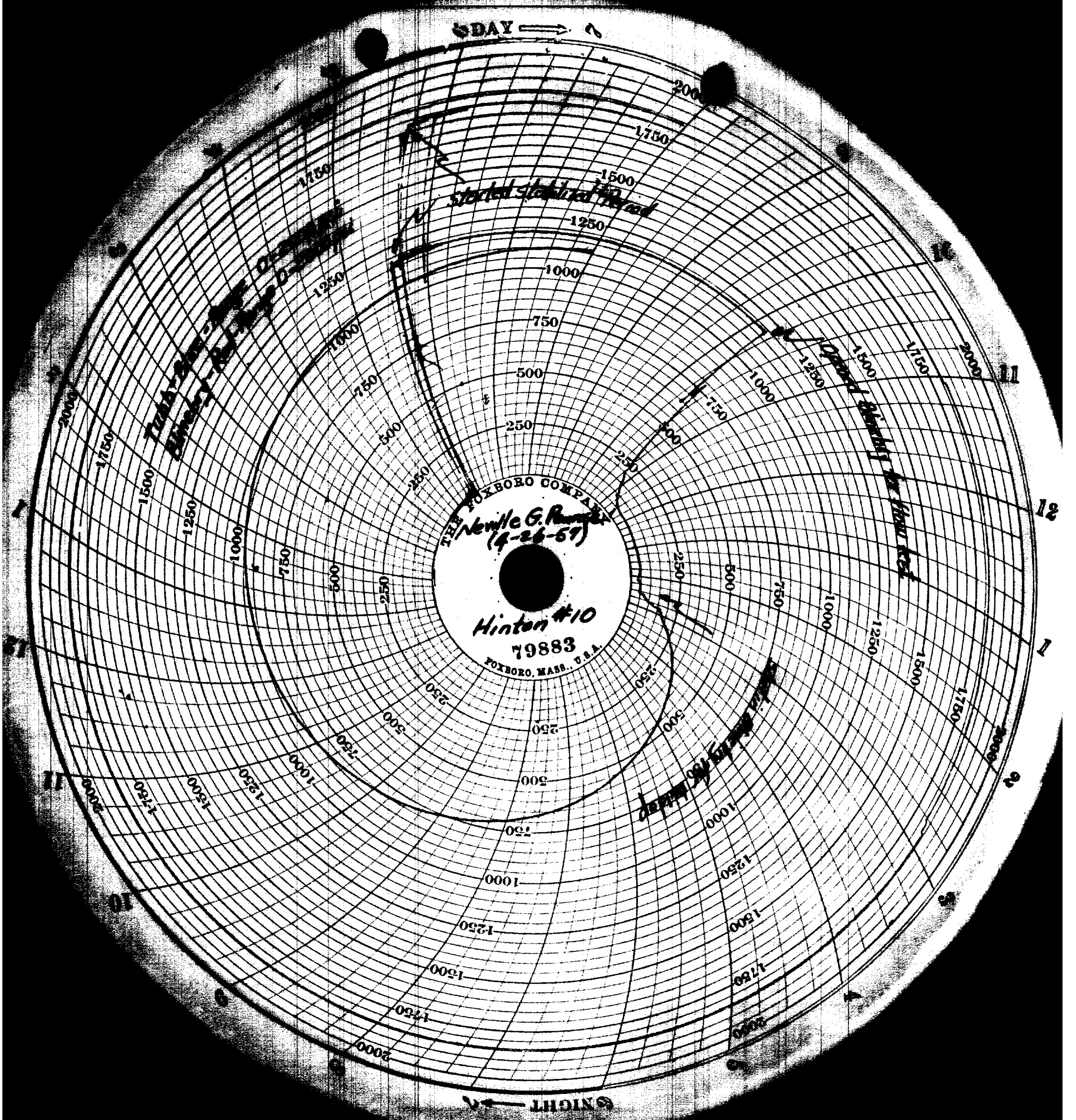
OPERATOR Neville G. Penrose
LEASE NAME Hinton WELL NO. 10
LOCATION D, S 15, T 22S, R 37E COUNTY Lea, New Mexico

TEST DATA SHEET

Time	Casing Pressure	Tubing Pressure	Remarks
	(4-26-57)		
6:00 AM	1853 DWT	1183 DWT	Started stabilized test.
7:00	1853	1183	
8:00	1853	1184	
9:00	1853	1184	
10:00	1853	1184	Finished 4 hour stabilized test and opened
			Blinebry side up for flow test.
12:00 Noon	1853	48	Started stabilized flow test.
1:00 PM	1853	49	
2:00	1853	48	
2:30	1853	48	Finished 2 hour stabilized flow test and
			shut Blinebry in for build up.
	(4-27-57)		
8:00 AM	-	-	Changed chart.
2:30 PM	1853	1226	Blinebry did not stabilize, used 24 hour
			minimum and opened Tubb side for flow test.
	(4-28-57)		
6:00 AM	350	770	Started stabilized flow period.
7:00 AM	350	761	
8:00 AM	350	752	Finished 2 hour stabilized flow period on
			Tubb. Blinebry lost 474 lbs. during flow
			test of Tubb.


Neville G. Penrose, Inc.
Hinton, Well No. 10
Blinebry-Tubb Dual
Surface Pressure Vs Time Curve
2000
1800
1600
1400
1200
1000
800
600
400
200
0
Tubb Side
Blinebry Side
Opened Blinebry
Shut in Blinebry
Opened Tubb
Shut in Tubb
6:00 AM 4-26-57
8
10
12 Noon
2
4
6
8
10
12 Midnight 4-27-57
2
4
6
8
10
12 Noon
2
4
6
8
10
12 Midnight 4-28-57
2
4
6
8
Time In Hours


DAY
NIGHT
THE FOXBORO COMPANY
Neville G. Ramage
Hinton #10
79883
FOXBORO, MASS., U.S.A.


DAY
THE FOXBORO COMPANY
Hinton #10
79883
FOXBORO, MASS., U.S.A.
NIGHT