



THE ATLANTIC REFINING COMPANY

INCORPORATED - 1870

PETROLEUM PRODUCTS **RECEIVED OFFICE 000**

March 4, 1959

1959 MAR 9 AM 10 24

DOMESTIC PRODUCING DEPARTMENT
WEST TEXAS-NEW MEXICO REGION

PETROLEUM LIFE BLDG.

MAILING ADDRESS
P. O. BOX 871/6/0
MIDLAND, TEXAS

**New Mexico Oil Conservation Commission
Box 871
Santa Fe, New Mexico**

**Re: Atlantic State "Y", Well No. 4
Justis(McKee) and Justis (Ellen-
burger Fields, Lea County, New Mexico**

Gentlemen:

On February 20, 1959, we submitted an application to dual complete the subject well. This well is to be known as the State "Y" No. 4-UT (Justis McKee zone, upper tubing) and the State "Y" No. 4-LT (Justis Ellenburger zone, lower tubing).

We are now submitting copies of the diagrammatic sketch, packer leakage tests and test charts.

Very truly yours,

**R. E. Howard
Regional Petroleum Engineer**

HJO:cm

**CC: New Mexico Oil Conservation Commission, Hobbs, New Mexico
United States Department of Interior, Geological Survey, Hobbs, New Mexico**

[illegible][illegible]

100

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

| | | | | | | |
|--|---------------------------|------------------------------|----------------------------------|------------------------------|----------------------|--|
| Operator The Atlantic Refining Company | | Lease State #11 | | | Well No. 4 | |
| Location of Well | Unit A | Sec 25 | Twp 19S-2E-3 | Rge 37-E | County Los | |
| | 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 | McKee | Oil | Flow | Tbg. | 10/64 | |
| Lower Compl | Ellenburger | Oil | Flow | Tbg. | 8/64 | |

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:30 A.M. 2-25-59

Well opened at (hour, date): 10:30 A.M. 2-26-59

| | Upper Completion | Lower Completion |
|---|---|---------------------|
| Indicate by (X) the zone producing..... | | X |
| Pressure at beginning of test..... | 677 | 1080 |
| Stabilized? (Yes or No)..... | No | No |
| Maximum pressure during test..... | 722 | 1080 |
| Minimum pressure during test..... | 677 | 971 |
| Pressure at conclusion of test..... | 722 | 971 |
| Pressure change during test (Maximum minus Minimum)..... | 45 | -109 |
| Was pressure change an increase or a decrease?..... | Increase | Decrease |
| Well closed at (hour, date): <u>10:30 A.M. 2-27-59</u> | Total Time On Production 2 1/2 | |
| Oil Production During Test: 294 bbls; Grav. 44.9 | Gas Production During Test: 289 MCF; GOR 984 | |
| Remarks <u>Small choke was slowly killing well</u> | | |

FLOW TEST NO. 2

Well opened at (hour, date): 10:30 A.M. 2-28-59

| | Upper Completion | Lower Completion |
|--|--|---------------------|
| Indicate by (X) the zone producing..... | X | |
| Pressure at beginning of test..... | 764 | 965 |
| Stabilized? (Yes or No)..... | No | Yes |
| Maximum pressure during test..... | 764 | 968 |
| Minimum pressure during test..... | 387 | 965 |
| Pressure at conclusion of test..... | 387 | 968 |
| Pressure change during test (Maximum minus Minimum)..... | -377 | 43 |
| Was pressure change an increase or a decrease?..... | Decrease | Increase |
| Well closed at (hour, date): <u>10:30 A.M. 2-28-59</u> | Total time on Production 2 1/2 | |
| Oil Production During Test: 86 bbls; Grav. 39 | Gas Production During Test: 65 MCF; GOR 756 | |
| Remarks _____ | | |

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

roved _____ 19_____
Mexico Oil Conservation Commission

[Signature]

Operator The Atlantic Refining Company
By *[Signature]* **H.A. Carr**
Title District Superintendent
Date March 2, 1959

1. The test shall be conducted in accordance with the following procedure:
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b. The test shall be conducted in a zone shall be
c. The test shall be conducted in a zone shall be

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4 P.M.

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9 P.M.

10 P.M.

11 P.M.

MIDNIGHT

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3 A.M.

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6 A.M.

7 A.M.

8 A.M.

9 A.M.

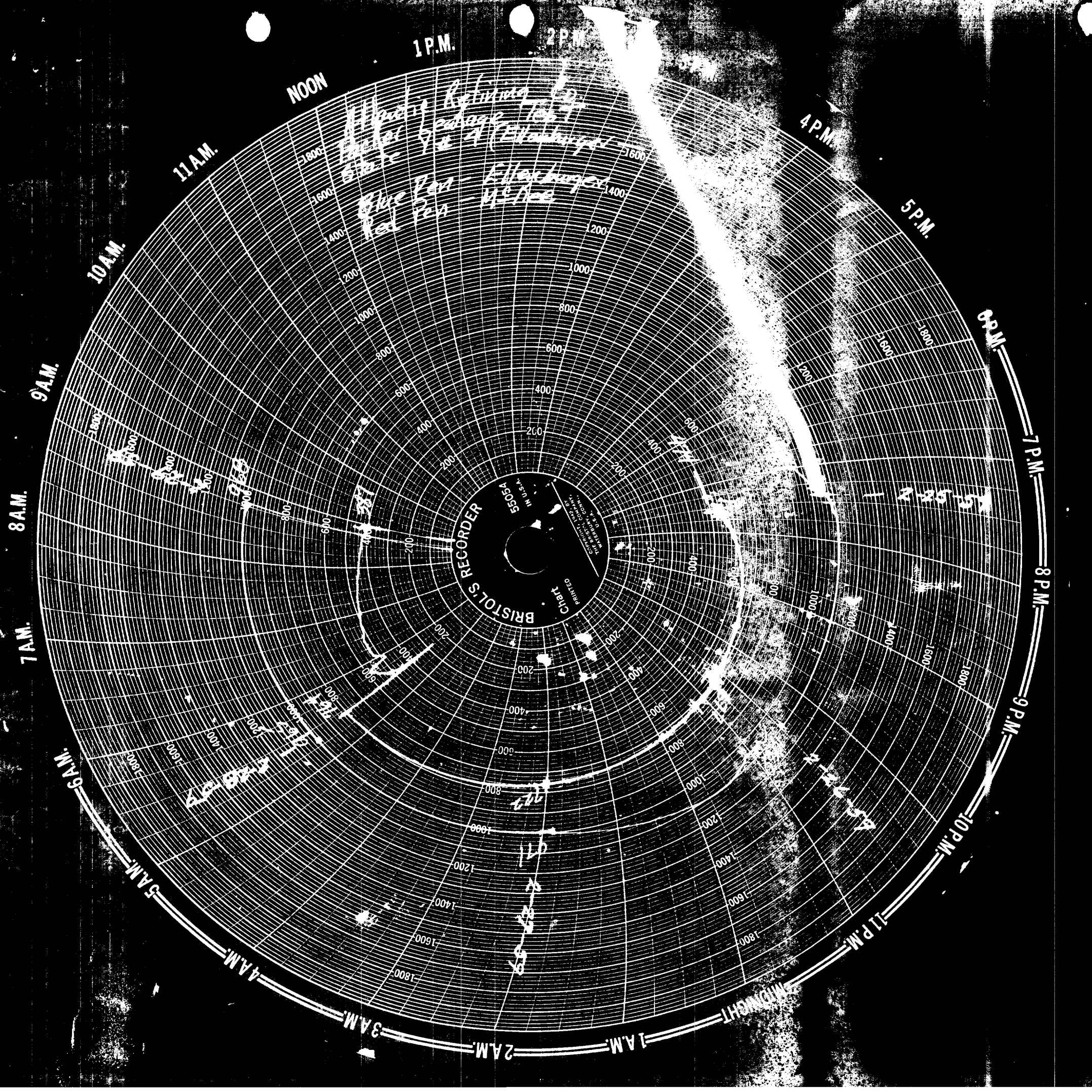
10 A.M.

11 A.M.

NOON

Retiring Co.
Leahy 1st
4 (Ellenburger)
Ellenburger
McAfee
Blue Pen
Red Pen

BRISTOL'S RECORDER
Chart
PRINTED
MADE IN U.S.A.
55054



THE / ANTIC REFINING CO. - STATE Y #4
 DUAL COMPLETION ASSEMBLY
 RKB to tubing head flange = 10.60'

