

Date 4-22-61 Well Bentley Randall Jr. #1 Field SWNE 32 T34S21W County Clark State Kansas  
 Formation Test No. 1 Casing Test No. - Test Interval 5438' to 5482' Test Ticket No. 62193 L  
 Company Sinclair Oil and Gas Company Address Box 521; Tulsa, Oklahoma; ATTN: D.W. Bennett  
 Tester Jack Henry, Jr. Test Approved By Doyle Cheatwood No. of DST Reports Requested 5 XX

Well Flowed: Gas

Amount

Type Test Conventional

Formation Tested Upper Morrow Elevation 1800 GL Ft.

All Depths Measured From Ground Level

Reversed Out: -

Amount

PHILLIPS PETROLEUM CO.  
324 N. ROBINSON  
OKLAHOMA CITY, OKLAHOMA

Recovered: Condensate

Amount

5412' of 4 1/2" FH Drill  
Pipe, 3.80" ID

BHP stabilized @ 1925 psi gauge @ 5472  
1800  
-3672

Calc MP = 2732 =

1/2 MP = 2877 = 105% Calc MP

FHMP = 2835 = 104% Calc MP

1925  
1433 = 4446

- 3672

+ 774 Pot Surface Pseudo in gas @ - 3672

Blow - - 122

Maximum Surface Pressure -

Description (rate of flow)

Time

Pressure  
(P.S.I.G.)

Surface  
Choke

Opened Tool:

Gas to surface

Closed tool for initial shut-in

Re-opened tool

Gas 5500 MCF/Day

Gas 6100 MCF/Day

Gas 6200 MCF/Day

Gas 6200 MCF/Day

5:26 AM

5:28 AM

5:45 AM

6:45 AM

7:00 AM

7:15 AM

7:30 AM

7:45 AM

-

100

-

-

560

630

640

640

5/8"

"

"

"

"

"

"

"

Cross-Over Sub

3 1/2" 4-Stage Shut-in Tool

3 1/2" Shut-in Hydraulic  
Tool

3 1/2" Bowen Jars

7 1/4" Bob Tail Packer set  
@ 5438'

34' of 3 1/2" FH Perf. Anchor  
4 1/2" OD & 2 1/2" ID

6' "T" Recorder Carrier

4 7/8" O.D. & 4" I.D.

4' "L" Recorder Carrier

4 7/8" O.D. & 4" I.D.

"T" Recorder

4' x 2 7/8" OD

"L" Recorder

2' x 3 3/4" OD

Total Depth 5482 Ft.

Main Hole Size 8 3/4" Rat Hole Size -

Casing Size - Liner Size -

Bottom Choke Size 3/4" Mud Type Starch

Mud Weight 9.6 Mud Viscosity 50

Air Chamber Length None

Remarks: Well Location: 32-34S-21W.  
Rotary clutch stuck while shutting in for initial shut-in.  
Went into flow position; took tongs and went back to Initial

# JOHNSTON TESTERS, INC.

## Pressure Data

5

Date 4-22-61 Recorder No. T-155 Capacity 5000# Test Ticket No. 62193 L  
 Clock No. 1294 Clock Travel 0.02243 inches per min. Location 5472' Well Temperature 130 °F.

| Point                     | Pressure |                 | Time Given | Time Computed |
|---------------------------|----------|-----------------|------------|---------------|
| A Initial Hydrostatic Mud | 2877     |                 |            |               |
| B Initial Shut-in         | 1867     | Opened Tool     | 5:26 A. M. |               |
| C Initial Flow            | 1290     | Initial Shut-in | 60 Mins.   | 61 Mins.      |
| D Final Flow              | 1600     | Flow            | 80 Mins.   | 75 Mins.      |
| E Final Shut-in           | 1925     | Final Shut-in   | 60 Mins.   | 64 Mins.      |
| F Final Hydrostatic Mud   | 2835     |                 |            |               |

Remarks:

| PRESSURE BREAKDOWN                                                                        |          |                                                                                           |          |                                                                                           |          |
|-------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------|----------|
| INITIAL SHUT-IN                                                                           |          | FLOW PERIOD                                                                               |          | FINAL SHUT-IN                                                                             |          |
| Breakdown: <u>12</u> increments of <u>5</u> mins. and a final increment of <u>1</u> mins. |          | Breakdown: <u>15</u> increments of <u>5</u> mins. and a final increment of <u>-</u> mins. |          | Breakdown: <u>12</u> increments of <u>5</u> mins. and a final increment of <u>4</u> mins. |          |
| Point                                                                                     |          | Point                                                                                     |          | Point                                                                                     |          |
| Minutes                                                                                   | Pressure | Minutes                                                                                   | Pressure | Minutes                                                                                   | Pressure |
| C-1 0                                                                                     | 1341     | C 0                                                                                       | 1290     | D 0                                                                                       | 1600     |
| -5                                                                                        | 1865     | 5                                                                                         | 1367     | 5                                                                                         | 1869     |
| -10                                                                                       | 1865     | 10                                                                                        | 1340     | 10                                                                                        | 1898     |
| -15                                                                                       | 1865     | C-1 15                                                                                    | 1341     | 15                                                                                        | 1905     |
| -20                                                                                       | 1865     | Initial Shut-In                                                                           |          | 20                                                                                        | 1915     |
| -25                                                                                       | 1867     | C-2                                                                                       | 1602     | 25                                                                                        | 1919     |
| -30                                                                                       | 1867     | 20                                                                                        | 1603     | 30                                                                                        | 1925     |
| -35                                                                                       | 1867     | 25                                                                                        | 1603     | 35                                                                                        | 1925     |
| -40                                                                                       | 1867     | 30                                                                                        | 1603     | 40                                                                                        | 1925     |
| -45                                                                                       | 1867     | 35                                                                                        | 1603     | 45                                                                                        | 1925     |
| -50                                                                                       | 1867     | 40                                                                                        | 1603     | 50                                                                                        | 1925     |
| -55                                                                                       | 1867     | 45                                                                                        | 1603     | 55                                                                                        | 1925     |
| -60                                                                                       | 1867     | 50                                                                                        | 1603     | 60                                                                                        | 1925     |
| B 61                                                                                      | 1867     | 55                                                                                        | 1602     | E 64                                                                                      | 1925     |
|                                                                                           |          | 60                                                                                        | 1602     |                                                                                           |          |
|                                                                                           |          | 65                                                                                        | 1602     |                                                                                           |          |
|                                                                                           |          | 70                                                                                        | 1601     |                                                                                           |          |
|                                                                                           |          | D 75                                                                                      | 1600     |                                                                                           |          |

T# 62193 L

T-155

5000#

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