Company Oil Properties Company, Inc. Lease & Well No. Mayhew #1

Elevation ----- Formation Cherokee Effective Pay ----- Ft. Ticket No. 5447

Date 7-20-80 Sec. 5 Twp. 26s Range 16w County Edwards State Kansas

Test Approved by Robert C. Armstrong Western Representative Stuart Stover

Formation Test No. 1 Interval Tested from 4383 ft. to 4405 ft. Total Depth 4405 ft.

Packer Depth 4378 ft. Size 6 3/4 in. Packer Depth ---- ft. Size --- in.

Packer Depth 4383 ft. Size 6 3/4 in. Packer Depth ---- ft. Size ---- in.

Depth of Selective Zone Set ----

Top Recorder Depth (Inside) 4388 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 4391 ft. Recorder Number 11019 Cap. 4500

Below Straddle Recorder Depth ------ ft. Recorder Number ----- Cap. ----

Drilling Contractor Sterling #1 Drill Collar Length 292 I. D. 2¼ in.

Mud Type MonPac Viscosity 53 Weight Pipe Length 458 I. D. 3.0 in.

Weight 9.4 Water Loss 16.0 cc. Drill Pipe Length 3612 I. D. ---- in.

Chlorides 19,000 P.P.M. Test Tool Length 21 ft. Tool Size 3½ in.

Jars: Make ---- Serial Number ----- Anchor Length 22 ft. Size 4½ in.

Did Well Flow? ----- Reversed Out ---- Surface Choke Size ½ in. Bottom Choke Size ½ in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½ in.

Blow: Weak blow decreasing on second flow period.

Recovered 30 ft. of Drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 6:15 ~~A.M.~~ P.M. Time Started Off Bottom 8:45 ~~A.M.~~ P.M. Maximum Temperature ?

Initial Hydrostatic Pressure ..... (A) 2369 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 53 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 45 P.S.I.

Final Flow Period ..... Minutes 45 (E) 45 P.S.I. to (F) 45 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 45 P.S.I.

Final Hydrostatic Pressure ..... (H) 2289 P.S.I.

# WESTERN TESTING CO., INC.
## Pressure Data

Date 7-20-80 Test Ticket No. 5447

Recorder No. 11018 Capacity 4425 Location 4388 Ft.

Clock No. ----- Elevation ---------- Well Temperature ---- °F

| Point | | Pressure | |
|---|---|---|---|
| A | Initial Hydrostatic Mud | 2369 | P.S.I. |
| B | First Initial Flow Pressure | 53 | P.S.I. |
| C | First Final Flow Pressure | 45 | P.S.I. |
| D | Initial Closed-in Pressure | 45 | P.S.I. |
| E | Second Initial Flow Pressure | 45 | P.S.I. |
| F | Second Final Flow Pressure | 45 | P.S.I. |
| G | Final Closed-in Pressure | 45 | P.S.I. |
| H | Final Hydrostatic Mud | 2289 | P.S.I. |

| | Time Given | Time Computed |
|---|---|---|
| Open Tool | 6:15 A. M | |
| First Flow Pressure | 30 Mins. | 30 Mins. |
| Initial Closed-in Pressure | 30 Mins. | 30 Mins. |
| Second Flow Pressure | 45 Mins. | 45 Mins. |
| Final Closed-in Pressure | 45 Mins. | 30 Mins. |

## PRESSURE BREAKDOWN

**First Flow Pressure**
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

**Initial Shut-In**
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

**Second Flow Pressure**
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

**Final Shut-In**
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|---|---|---|---|---|---|---|---|
| P 1 0 | 53 | 0 | 45 | 0 | 45 | 0 | 45 |
| P 2 5 | 53 | 3 | 45 | 5 | 45 | 3 | 45 |
| P 3 10 | 48 | 6 | 45 | 10 | 45 | 6 | 45 |
| P 4 15 | 45 | 9 | 45 | 15 | 45 | 9 | 45 |
| P 5 20 | 45 | 12 | 45 | 20 | 45 | 12 | 45 |
| P 6 25 | 45 | 15 | 45 | 25 | 45 | 15 | 45 |
| P 7 30 | 45 | 18 | 45 | 30 | 45 | 18 | 45 |
| P 8 | | 21 | 45 | 35 | 45 | 21 | 45 |
| P 9 | | 24 | 45 | 40 | 45 | 24 | 45 |
| P10 | | 27 | 45 | 45 | 45 | 27 | 45 |
| P11 | | 30 | 45 | | | 30 | 45 |
| P12 | | | | | | | |
| P13 | | | | | | | |
| P14 | | | | | | | |
| P15 | | | | | | | |
| P16 | | | | | | | |
| P17 | | | | | | | |
| P18 | | | | | | | |
| P19 | | | | | | | |
| P20 | | | | | | | |

11018 - 5447
DST #1

DK#5447