# WESTERN TESTING CO., INC.

## FORMATION TESTING

TICKET No. 6907

P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Elevation 1751' K.B. Formation Mississippi Eff. Pay Ft.

District Pratt Date 9-14-80 Customer Order No.

COMPANY NAME Lee Phillips Oil Co.

ADDRESS 1532 KSB&T Bldg, Wichita, Ks. 67202

LEASE AND WELL NO: Amerine #3 COUNTY Kingman STATE Co. Sec. 7 Twp. 27S Rge. 9W

Mail Invoice To Same Co. Name Address No. Copies Requested Req

Mail Charts To Same Address No. Copies Requested Req

Formation Test No. #1 Interval Tested from 3975 ft. to 4035 ft. Total Depth 4035 ft.

Packer Depth 3970 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 3975 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3982 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3985 ft. Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor D.R. Lauck Drlg Rig #2

Mud Type Starch Viscosity 33

Weight 9.5 Water Loss N.C. cc.

Chlorides 31,000 P.P.M.

Jars: Make NO Serial Number

Did Well Flow? NO Reversed Out

Drill Collar Length I. D. in.

Weight Pipe Length 403 I. D. 3.2 in.

Drill Pipe Length 3552 I. D. 3.8 in.

Test Tool Length 20 ft. Tool Size 5 1/2 O.D. in.

Anchor Length 60 ft. Size 5 1/2 O.D. in.

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Good blow off bottom of bucket initial flow period 2" 1st F.P. (No G.T.S.) Strong blow 2nd F.P. (No Gas) Final flow period

Recovered 1960 ft. of Gas in pipe Specked

Recovered 60 ft. of Mud spks oil

Recovered 540 ft. of Gassy oil cut Watery Mud avg 12% oil 21% wtr 14% Mud 53% Mud loss

Recovered 120 ft. of Very slightly oil cut water

Recovered ft. of

Remarks:

Time Set Packer(s) 11:10 A.M. P.M. Time Started Off Bottom 2:25 A.M. P.M. Maximum Temperature 108°F

| | | | | | |
|---|---|---|---|---|---|
| Initial Hydrostatic Pressure | | (A) | 2058 | P.S.I. | |
| Initial Flow Period | Minutes 30 | (B) | 73 | P.S.I. to (C) | 118 P.S.I. |
| Initial Closed In Period | Minutes 45 | (D) | 1216 | P.S.I. | |
| Final Flow Period | Minutes 60 | (E) | 172 | P.S.I. to (F) | 194 P.S.I. |
| Final Closed In Period | Minutes 60 | (G) | 1248 | P.S.I. | |
| Final Hydrostatic Pressure | | (H) | 2047 | P.S.I. | |

### COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By John Cargill Cargill

Signature of Customer or his authorized representative

Western Representative Roger Mounts

Thank you

### FIELD INVOICE

| | |
|---|---|
| Open Hole Test | $ 600.00 |
| Misrun | $ |
| Straddle Test | $ |
| Jars | $ |
| Selective Zone | $ |
| Safety Joint | $ |
| Standby | $ |
| Evaluation | $ |
| Extra Packer | $ |
| Circ. Sub. | $ |
| Mileage 35mi | $ 26.25 |
| Fluid Sampler | $ |
| Extra Charts | $ |
| TOTAL | $ 626.25 |

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

Date 9-14-80 Test Ticket No. 6907

Recorder No. 1566 Capacity 4300 Location 3982 Ft.

Clock No. ____ Elevation 1751 KB Well Temperature 108 °F

| Point | | Pressure | | | Time Given | Time Computed |
|---|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 2072 P.S.I. | | Open Tool | 11:10 AM | |
| B | First Initial Flow Pressure | 73 P.S.I. | | First Flow Pressure | 30 Mins. | 30 Mins. |
| C | First Final Flow Pressure | 119 P.S.I. | | Initial Closed-in Pressure | 45 Mins. | 45 Mins. |
| D | Initial Closed-in Pressure | 1236 P.S.I. | | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E | Second Initial Flow Pressure | 168 P.S.I. | | Final Closed-in Pressure | 60 Mins. | 60 Mins. |
| F | Second Final Flow Pressure | 199 P.S.I. | | | | |
| G | Final Closed-in Pressure | 1253 P.S.I. | | | | |
| H | Final Hydrostatic Mud | 2046 P.S.I. | | | | |

## PRESSURE BREAKDOWN

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

| Point | Mins. | Press. |
|---|---|---|
| P 1 | 0 | 73 |
| P 2 | 5 | 84 |
| P 3 | 10 | 89 |
| P 4 | 15 | 91 |
| P 5 | 20 | 99 |
| P 6 | 25 | 108 |
| P 7 | 30 | 119 |
| P 8 | 35 | |
| P 9 | 40 | |
| P10 | 45 | |
| P11 | 50 | |
| P12 | 55 | |
| P13 | 60 | |
| P14 | | |
| P15 | | |
| P16 | | |
| P17 | | |
| P18 | | |
| P19 | | |
| P20 | | |

### Initial Shut-In
Breakdown: 15 Inc. of 3 mins. and a final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 119 |
| 3 | 179 |
| 6 | 244 |
| 9 | 329 |
| 12 | 413 |
| 15 | 526 |
| 18 | 656 |
| 21 | 783 |
| 24 | 893 |
| 27 | 991 |
| 30 | 1060 |
| 33 | 1109 |
| 36 | 1148 |
| 39 | 1184 |
| 42 | 1208 |
| 45 | 1236 |
| 48 | |
| 51 | |
| 54 | |
| 57 | |
| 60 | |

### Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 168 |
| 5 | 164 |
| 10 | 164 |
| 15 | 171 |
| 20 | 175 |
| 25 | 177 |
| 30 | 179 |
| 35 | 181 |
| 40 | 184 |
| 45 | 186 |
| 50 | 192 |
| 55 | 197 |
| 60 | 199 |
| 65 | |
| 70 | |
| 75 | |
| 80 | |
| 85 | |
| 90 | |

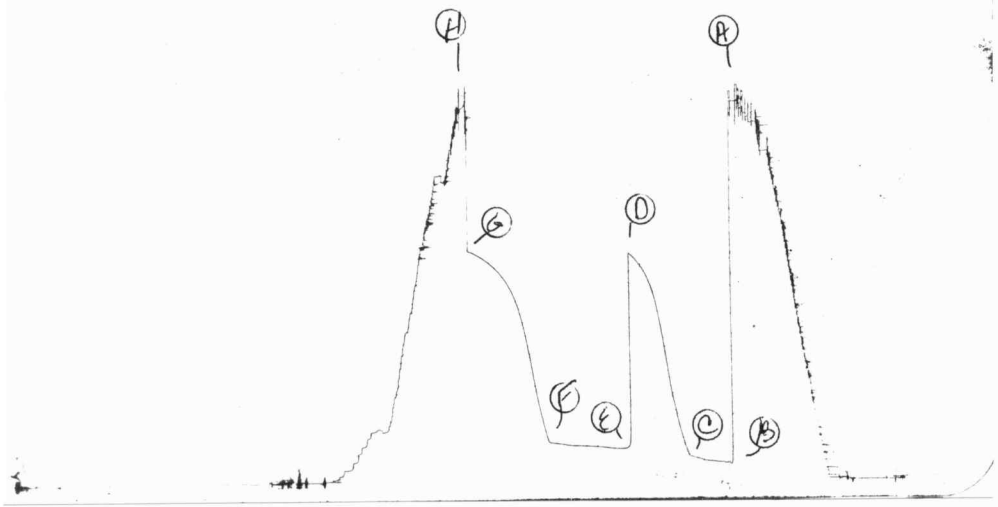
### Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 199 |
| 3 | 268 |
| 6 | 355 |
| 9 | 461 |
| 12 | 581 |
| 15 | 697 |
| 18 | 800 |
| 21 | 886 |
| 24 | 959 |
| 27 | 1015 |
| 30 | 1060 |
| 33 | 1094 |
| 36 | 1126 |
| 39 | 1152 |
| 42 | 1171 |
| 45 | 1190 |
| 48 | 1203 |
| 51 | 1221 |
| 54 | 1233 |
| 57 | 1244 |
| 60 | 1253 |

WTC - 4

JKH #6907

I



Company Lee Phillips Oil Company Lease & Well No. Amerine #3

Elevation 1751 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 6907

Date 9-14-80 Sec. 7 Twp. 27S Range 9W County Kingman State Kansas

Test Approved by John Cargill Western Representative Rodger A Mounts

Formation Test No. 1 Interval Tested from 3975 ft. to 4035 ft. Total Depth 4035 ft.

Packer Depth 3970 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3975 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3982 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 3985 ft. Recorder Number 3086 Cap. 4500

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

Drilling Contractor D R Lauer Drilling Rig #2 Drill Collar Length - I. D. - in.

Mud Type Starch Viscosity 33 Weight Pipe Length 403 I. D. 3.2 in.

Weight 9.5 Water Loss N.C. cc. Drill Pipe Length 3552 I. D. 3.8 in.

Chlorides 31,000 P.P.M. Test Tool Length 20 ft. Tool Size 5½ OD in.

Jars: Make No Serial Number - Anchor Length 60 ft. Size 5½ OD in.

Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: Good blow off bottom of bucket 6 minutes on initial flow period. Strong blow final flow period . No Gas

Recovered 1960 ft. of gas in pipe

Recovered 60 ft. of mud specked oil

Recovered 540 ft. of gassy oil cut water mud - average 12% oil, 21% water, 14% mud, 53% volume loss

Recovered 120 ft. of very slightly oil cut water

Recovered ft. of

Remarks:

Time Set Packer(s) 11:10 A.M. ~~P.M.~~ Time Started Off Bottom 2:25 ~~A.M.~~ P.M. Maximum Temperature 108

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Hydrostatic Pressure | | | (A) 2072 | P.S.I. | | |
| Initial Flow Period | Minutes 30 | (B) 73 | P.S.I. to | (C) 119 | P.S.I. | |
| Initial Closed In Period | Minutes 45 | (D) 1236 | P.S.I. | | | |
| Final Flow Period | Minutes 60 | (E) 168 | P.S.I. to | (F) 199 | P.S.I. | |
| Final Closed In Period | Minutes 60 | (G) 1253 | P.S.I. | | | |
| Final Hydrostatic Pressure | | | (H) 2046 | P.S.I. | | |

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

Date 9-14-80

Test Ticket No. 6907

Recorder No. 1566 Capacity 4300 Location 3982 Ft.

Clock No. ---------- Elevation 1751 Kelly Bushing Well Temperature 108 °F

| Point | | Pressure | | | Time Given | Time Computed |
|---|---|---|---|---|---|---|
| A | Initial Hydrostatic Mud | 2072 P.S.I. | | Open Tool | 11:10 A M | |
| B | First Initial Flow Pressure | 73 P.S.I. | | First Flow Pressure | 30 Mins. | 30 Mins. |
| C | First Final Flow Pressure | 119 P.S.I. | | Initial Closed-in Pressure | 45 Mins. | 45 Mins. |
| D | Initial Closed-in Pressure | 1236 P.S.I. | | Second Flow Pressure | 60 Mins. | 60 Mins. |
| E | Second Initial Flow Pressure | 168 P.S.I. | | Final Closed-in Pressure | 60 Mins. | 60 Mins. |
| F | Second Final Flow Pressure | 199 P.S.I. | | | | |
| G | Final Closed-in Pressure | 1253 P.S.I. | | | | |
| H | Final Hydrostatic Mud | 2046 P.S.I. | | | | |

## PRESSURE BREAKDOWN

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

| Point Mins. | Press. |
|---|---|
| P 1 0 | 73 |
| P 2 5 | 84 |
| P 3 10 | 89 |
| P 4 15 | 91 |
| P 5 20 | 99 |
| P 6 25 | 108 |
| P 7 30 | 119 |
| P 8 | |
| P 9 | |
| P10 | |
| P11 | |
| P12 | |
| P13 | |
| P14 | |
| P15 | |
| P16 | |
| P17 | |
| P18 | |
| P19 | |
| P20 | |

**Initial Shut-In**
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 119 |
| 3 | 179 |
| 6 | 244 |
| 9 | 329 |
| 12 | 413 |
| 15 | 526 |
| 18 | 656 |
| 21 | 783 |
| 24 | 893 |
| 27 | 991 |
| 30 | 1060 |
| 33 | 1109 |
| 36 | 1148 |
| 39 | 1184 |
| 42 | 1208 |
| 45 | 1236 |

**Second Flow Pressure**
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 168 |
| 5 | 164 |
| 10 | 164 |
| 15 | 171 |
| 20 | 175 |
| 25 | 177 |
| 30 | 179 |
| 35 | 181 |
| 40 | 184 |
| 45 | 186 |
| 50 | 192 |
| 55 | 197 |
| 60 | 199 |

**Final Shut-In**
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Minutes | Press. |
|---|---|
| 0 | 199 |
| 3 | 268 |
| 6 | 355 |
| 9 | 461 |
| 12 | 581 |
| 15 | 697 |
| 18 | 800 |
| 21 | 886 |
| 24 | 959 |
| 27 | 1015 |
| 30 | 1060 |
| 33 | 1094 |
| 36 | 1126 |
| 39 | 1152 |
| 42 | 1171 |
| 45 | 1190 |
| 48 | 1203 |
| 51 | 1221 |
| 54 | 1233 |
| 57 | 1244 |
| 60 | 1253 |