



WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET No 7065

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 262-5861

Elevation Formation Lansing Eff. Pay Ft.

210

District Great Bend Date 4-27-85 Customer Order No.

COMPANY NAME Lee Phillips Oil Co.

ADDRESS 125 N. Market Suite 1532 Wichita, Ks 67202

LEASE AND WELL NO. Finger #1 COUNTY Barton STATE KS Sec. 27 Twp. 17 Rge. 14 W

Mail Invoice To Same as above No. Copies Requested 5

Co. Name #1 FINGER Address No. Copies Requested 5

Formation Test No. 1 Interval Tested From 3102 ft. to 3145 ft. Total Depth 3145 ft.

Packer Depth 3097 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 3102 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3137 ft. Recorder Number 6077 Cap. 4700

Bottom Recorder Depth (Outside) 3141 ft. Recorder Number 11028 Cap. 4300

Below Saddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Woodman / Jannitt's Drilling Co. Drill Collar Length I. D. in.

Mud Type Chemical Viscosity 45 Weight Pipe Length 382 I. D. 2.7 in.

Weight 9.3 Water Loss 10.8 cc. Drill Pipe Length 2698 I. D. 3.8 in.

Chlorides 8,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 00 in.

Jars: Make Serial Number Anchor Length 43 ft. Size 5 1/2 00 in.

Did Well Flow? no Reversed Out no 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 x H in.

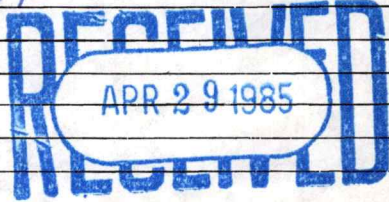
Blow: IFP - Very weak, slowly increasing 1" blow

FFP - Very weak; surface blow only - decreasing to only a few bubbles

Recovered 40' ft. of Watery mud w/ slight oil show -

Recovered 35% water - 65% mud Less than 1% oil

Recovered ft. of Chlorides 45,000 P.P.M. Sample Jars used 1 Remarks:



Time On Location 12:30 A.M. Time Pick Up Tool 3:20 P.M. Time Off Location A.M.

Time Set Packer(s) 4:40 A.M. Time Started Off Bottom 7:10 P.M. Maximum Temperature 106° P.M.

Initial Hydrostatic Pressure (A) 1586 P.S.I.

Initial Flow Period Minutes 30 (B) 50 P.S.I. to (C) 50 P.S.I.

Initial Closed In Period Minutes 30 (D) 862 P.S.I.

Final Flow Period Minutes 30 (E) 62 P.S.I. to (F) 62 P.S.I.

Final Closed In Period Minutes 60 (G) 874 P.S.I.

Final Hydrostatic Pressure (H) 1586 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 [Signature] Signature of Customer or his authorized representative

Western Representative Gene Cherhart 0500

FIELD INVOICE

Table with 2 columns: Item and Price. Items include Open Hole Test (\$550), Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Teletypier, and TOTAL.

WESTERN TESTING CO., INC.

Pressure Data

Date 4-27-85 Test Ticket No. 7065
 Recorder No. 6077 Capacity 4700 Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|-----------------|---------------|
| A Initial Hydrostatic Mud | <u>1583</u> P.S.I. | Open Tool | | M |
| B First Initial Flow Pressure | <u>42</u> P.S.I. | First Flow Pressure | <u>30</u> Mins. | _____ Mins. |
| C First Final Flow Pressure | <u>42</u> P.S.I. | Initial Closed-in Pressure | <u>30</u> Mins. | _____ Mins. |
| D Initial Closed-in Pressure | <u>848</u> P.S.I. | Second Flow Pressure | <u>30</u> Mins. | _____ Mins. |
| E Second Initial Flow Pressure | <u>49</u> P.S.I. | Final Closed-in Pressure | <u>60</u> Mins. | _____ Mins. |
| F Second Final Flow Pressure | <u>49</u> P.S.I. | | | |
| G Final Closed-in Pressure | <u>874</u> P.S.I. | | | |
| H Final Hydrostatic Mud | <u>1574</u> P.S.I. | | | |

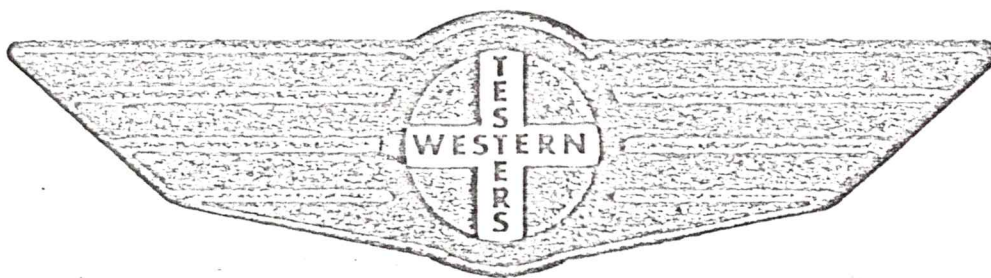
PRESSURE BREAKDOWN

| First Flow Pressure | | Initial Shut-In | | Second Flow Pressure | | Final Shut-In | |
|-----------------------------|-----------|-----------------------------|------------|-----------------------------|-----------|-----------------------------|------------|
| Breakdown: <u>7</u> Inc. | | Breakdown: <u>11</u> Inc. | | Breakdown: <u>7</u> Inc. | | Breakdown: <u>21</u> Inc. | |
| of <u>5</u> mins. and a | | of <u>3</u> mins. and a | | of <u>5</u> mins. and a | | of <u>3</u> mins. and a | |
| final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | |
| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
| P 1 0 | <u>42</u> | 0 | <u>42</u> | 0 | <u>49</u> | 0 | <u>49</u> |
| P 2 5 | | 3 | <u>106</u> | 5 | | 3 | <u>74</u> |
| P 3 10 | | 6 | <u>468</u> | 10 | | 6 | <u>238</u> |
| P 4 15 | | 9 | <u>664</u> | 15 | | 9 | <u>512</u> |
| P 5 20 | | 12 | <u>727</u> | 20 | | 12 | <u>640</u> |
| P 6 25 | | 15 | <u>763</u> | 25 | | 15 | <u>696</u> |
| P 7 30 | <u>42</u> | 18 | <u>790</u> | 30 | <u>49</u> | 18 | <u>737</u> |
| P 8 35 | | 21 | <u>809</u> | 35 | | 21 | <u>761</u> |
| P 9 40 | | 24 | <u>826</u> | 40 | | 24 | <u>785</u> |
| P10 45 | | 27 | <u>840</u> | 45 | | 27 | <u>797</u> |
| P11 50 | | 30 | <u>848</u> | 50 | | 30 | <u>809</u> |
| P12 55 | | 33 | | 55 | | 33 | <u>822</u> |
| P13 60 | | 36 | | 60 | | 36 | <u>832</u> |
| P14 65 | | 39 | | 65 | | 39 | <u>841</u> |
| P15 70 | | 42 | | 70 | | 42 | <u>845</u> |
| P16 75 | | 45 | | 75 | | 45 | <u>850</u> |
| P17 80 | | 48 | | 80 | | 48 (ok) | <u>860</u> |
| P18 85 | | 51 | | 85 | | 51 | <u>864</u> |
| P19 90 | | 54 | | 90 | | 54 | <u>871</u> |
| P20 95 | | 57 | | 95 | | 57 | <u>873</u> |
| 100 | | 60 | | 100 | | 60 | <u>874</u> |

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company LEE PHILLIPS OIL COMPANY Lease & Well No. #1 FINGER Sec. 27 Twp. 17S Rge. 14W Test No. 1 Date 4/27/85

WESTERN TESTING CO: INC.
SUBSURFACE PRESSURE SURVEY

DATE: 4/27/85
CUSTOMER: LEE PHILLIPS OIL COMPANY
WELL: 1 TEST: 1
ELEVATION (KB): 0 FORMATION: LANSING
SECTION: 27 TOWNSHIP: 17S
RANGE: 14W COUNTY: BARTON STATE: KANSAS
GAUGE SN #6077 RANGE: 4700 CLOCK: 12

INTERVAL TEST FROM: 3102 FT TO: 3145 FT TOTAL DEPTH: 3145 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3097 FT SIZE: 6 5/8 IN PACKER DEPTH: 3102 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WOODMAN-IANNITTI
MUD TYPE: CHEMICAL VISCOSITY: 45
WEIGHT: 9.3 WATER LOSS (CC): 10.8
CHLORIDES (P.P.M.): 8000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 382 FT I.D.: 2.7 IN
DRILL PIPE LENGTH: 2698 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 22 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 43 FT SIZE: 5 1/2 OD 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 XH IN

BLOW: INITIAL FLOW PERIOD VERY WEAK BLOW
SLOWLY INCREASING TO A 1" BLOW.
FINAL FLOW PERIOD VERY WEAK SURFACE BLOW.
DECREASING TO ONLY A FEW BUBBLES.

RECOVERED: 40 FT OF: WATERY MUD WITH A SLIGHT OIL SHOW.
RECOVERED: FT OF: (35% WATER; 65% MUD; LESS THAN 1% OIL).
RECOVERED: FT OF: CHLORIDES 45000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

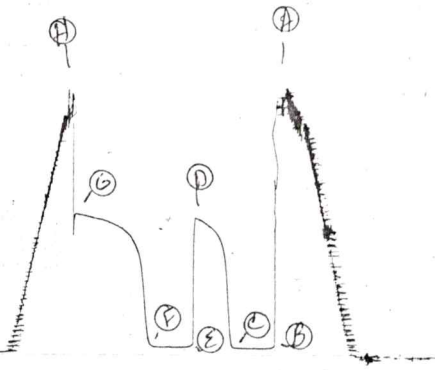
REMARKS:

TIME SET PACKER(S): 4:40 PM TIME STARTED OFF BOTTOM: 7:10 PM
WELL TEMPERATURE: 106 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1583 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 42 PSI TO (C) 42 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 848 PSI
FINAL FLOW PERIOD MIN: 30 (E) 49 PSI TO (F) 49 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 874 PSI
FINAL HYDROSTATIC PRESSURE (H) 1574 PSI

6077

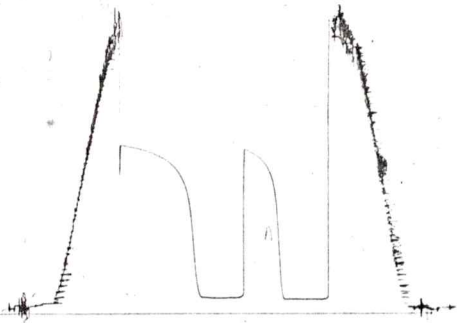
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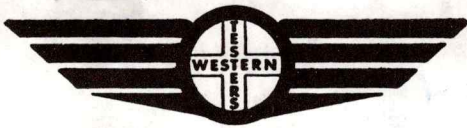
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JK # 7065
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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 7066

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 262-5861

Elevation 1850 GL Formation KC Eff. Pay Ft.

District 11 Date 4-28-85 Customer Order No.

COMPANY NAME Lee Phillips Oil Company

ADDRESS 125 No. Market Suite 1532 Wichita, KS

LEASE AND WELL NO. Finger #1 COUNTY Barton STATE KS Sec. 27 Twp. 17 Rge. 14

Mail Invoice To Same #1 Finger No. Copies Requested 5

Mail Charts To Address No. Copies Requested 5

Formation Test No. 2 Interval Tested From 3227 ft. to 3254 ft. Total Depth 3254 ft.

Packer Depth 3222 ft. Size 6 3/8 in. Packer Depth ft. Size in.

Packer Depth 3227 ft. Size 6 3/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3244 ft. Recorder Number 4700 Cap. 4700

Bottom Recorder Depth (Outside) 3248 ft. Recorder Number 11028 Cap. 4300

Below Saddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Woodman/Iannitti Lic. 003 Drill Collar Length I. D. in.

Mud Type Chemur Viscosity 46 Weight Pipe Length 382 I. D. 2.17 in.

Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 2823 I. D. 3.8 in.

Chlorides 11,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 00 in.

Jars: Make Serial Number Anchor Length 27 ft. Size 5 1/2 00 in.

Did Well Flow? Reversed Out 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 x H in.

Blow: FFP - fair increasing to string off bottom of bucket in 25 min

FFP - Heavy blow, off bottom of bucket

Recovered 40' ft. of oil cut mud - 10% oil 90% mud -

Recovered 10' ft. of FFP oil

Recovered 750' ft. of Gas in PIPE

Recovered ft. of

Chlorides P.P.M. Sample Jars used 2 Remarks:

Time On Location 7:00 A.M. Time Pick Up Tool 7:20 A.M. Time Off Location 1:10 A.M.

Time Set Packer(s) 8:25 P.M. Time Started Off Bottom 11:10 A.M. Maximum Temperature 106+

Initial Hydrostatic Pressure (A) 1682 P.S.I.

Initial Flow Period Minutes 30 (B) 37 P.S.I. to (C) 37 P.S.I.

Initial Closed In Period Minutes 30 (D) 262 P.S.I.

Final Flow Period Minutes 45 (E) 37 P.S.I. to (F) 37 P.S.I.

Final Closed In Period Minutes 60 (G) 1019 P.S.I.

Final Hydrostatic Pressure (H) 1658 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 [Signature] Immich
Signature of Customer or his authorized representative

Western Representative [Signature] 0500

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test (\$550), Miscrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, TOTAL.

WESTERN TESTING CO., INC.

Pressure Data

Date 4-28-85

Test Ticket No. 7066

Recorder No. 6077

Capacity 4700

Location _____ Ft.

Clock No. _____ Elevation _____

Well Temperature _____ °F

| Point | Pressure | P.S.I. | Open Tool | M | Time Given | Time Computed |
|---------------------------------|-------------|--------|----------------------------|---|-----------------|-----------------|
| A. Initial Hydrostatic Mud | <u>1675</u> | P.S.I. | Open Tool | | | |
| B. First Initial Flow Pressure | <u>36</u> | P.S.I. | First Flow Pressure | | <u>30</u> Mins. | <u>30</u> Mins. |
| C. First Final Flow Pressure | <u>37</u> | P.S.I. | Initial Closed-in Pressure | | <u>30</u> Mins. | <u>30</u> Mins. |
| D. Initial Closed-in Pressure | <u>267</u> | P.S.I. | Second Flow Pressure | | <u>45</u> Mins. | <u>45</u> Mins. |
| E. Second Initial Flow Pressure | <u>43</u> | P.S.I. | Final Closed-in Pressure | | <u>60</u> Mins. | <u>60</u> Mins. |
| F. Second Final Flow Pressure | <u>47</u> | P.S.I. | | | | |
| G. Final Closed-in Pressure | <u>1012</u> | P.S.I. | | | | |
| H. Final Hydrostatic Mud | <u>1651</u> | P.S.I. | | | | |

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 7 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 10 Inc.
of 5 mins. and a
final inc. of 0 Min.

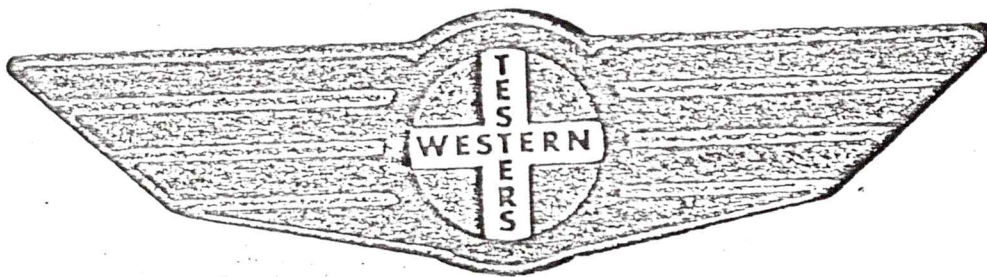
Final Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
|-------------|-----------|---------------|------------|---------------|-----------|---------------|-------------|
| P 1 0 | <u>36</u> | 0 | <u>37</u> | 0 | <u>43</u> | 0 | <u>47</u> |
| P 2 5 | <u>↓</u> | 3 | <u>44</u> | 5 | <u>↓</u> | 3 | <u>54</u> |
| P 3 10 | <u>↓</u> | 6 | <u>60</u> | 10 | <u>↓</u> | 6 | <u>67</u> |
| P 4 15 | <u>36</u> | 9 | <u>74</u> | 15 | <u>↓</u> | 9 | <u>86</u> |
| P 5 20 | <u>37</u> | 12 | <u>93</u> | 20 | <u>43</u> | 12 | <u>108</u> |
| P 6 25 | <u>37</u> | 15 | <u>117</u> | 25 | <u>43</u> | 15 | <u>131</u> |
| P 7 30 | <u>37</u> | 18 | <u>140</u> | 30 | <u>44</u> | 18 | <u>158</u> |
| P 8 35 | | 21 | <u>162</u> | 35 | <u>45</u> | 21 | <u>182</u> |
| P 9 40 | | 24 | <u>197</u> | 40 | <u>46</u> | 24 | <u>222</u> |
| P10 45 | | 27 | <u>235</u> | 45 | <u>47</u> | 27 | <u>280</u> |
| P11 50 | | 30 | <u>267</u> | 50 | | 30 | <u>363</u> |
| P12 55 | | 33 | | 55 | | 33 | <u>466</u> |
| P13 60 | | 36 | | 60 | | 36 | <u>587</u> |
| P14 65 | | 39 | | 65 | | 39 | <u>703</u> |
| P15 70 | | 42 | | 70 | | 42 | <u>810</u> |
| P16 75 | | 45 | | 75 | | 45 | <u>889</u> |
| P17 80 | | 48 | | 80 | | 48 | <u>938</u> |
| P18 85 | | 51 | | 85 | | 51 | <u>945</u> |
| P19 90 | | 54 | | 90 | | 54 | <u>991</u> |
| P20 95 | | 57 | | 95 | | 57 | <u>1005</u> |
| 100 | | 60 | | 100 | | 60 | <u>1012</u> |

FORMATION

TEST

REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone (316) 262-5861

Company LEE PHILLIPS OIL COMPANY Lease & Well No. #1 FINGER Sec. 27 Twp. 17S Rge. 14W Test No. 2 Date 4/28/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 4-28-85 TICKET #7066
 CUSTOMER: LEE PHILLIPS OIL COMPANY LEASE: FINGER
 WELL: 1 TEST: 2 GEOLOGIST: C.G. IMMICH
 ELEVATION (KB): 1855 FORMATION: KANSAS CITY
 SECTION: 27 TOWNSHIP: 17S
 RANGE: 14W COUNTY: BARTON STATE: KANSAS
 GAUGE SN #6077 RANGE: 4700 CLOCK: 12

INTERVAL TEST FROM: 3227 FT TO: 3254 FT TOTAL DEPTH: 3254 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 3222 FT SIZE: 6 5/8 IN PACKER DEPTH: 3227 FT SIZE: 6 5/8 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WOODMAN/IANNITTI #3
 MUD TYPE: CHEMICAL VISCOSITY: 46
 WEIGHT: 9.4 WATER LOSS (CC): 10.4
 CHLORIDES (P.P.M.): 11000

JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? REVERSED OUT?

DRILL COLLAR LENGTH: FT I.D.: IN
 WEIGHT PIPE LENGTH: 382 FT I.D.: 2.7 IN
 DRILL PIPE LENGTH: 2823 FT I.D.: 3.8 IN
 TEST TOOL LENGTH: 22 FT TOOL SIZE: 5 1/2 OD IN
 ANCHOR LENGTH: 27 FT SIZE: 5 1/2 OD 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 XH IN

BLOW: INITIAL FLOW PERIOD FAIR BLOW INCREASING TO
 STRONG; OFF BOTTOM OF BUCKET IN 25 MINUTES.
 FINAL FLOW PERIOD STRONG BLOW;
 OFF BOTTOM OF BUCKET.

RECOVERED: 40 FT OF: OIL CUT MUD (10% OIL; 90% MUD).
 RECOVERED: 10 FT OF: FREE OIL.
 RECOVERED: 750 FT OF: GAS ABOVE FLUID.
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:
 RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 8:25 AM

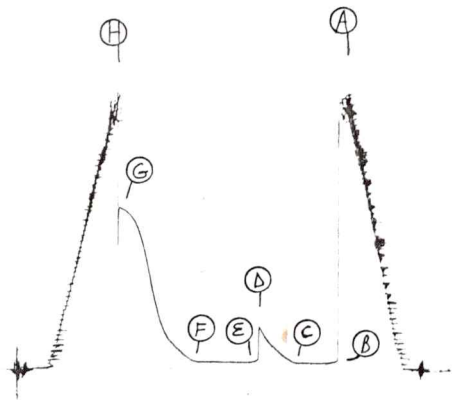
TIME STARTED OFF BOTTOM: 11:10 AM

WELL TEMPERATURE: 106 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 1675 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 36 PSI TO (C) 37 PSI
 INITIAL CLOSED IN PERIOD MIN: 30 (D) 267 PSI
 FINAL FLOW PERIOD MIN: 45 (E) 43 PSI TO (F) 47 PSI
 FINAL CLOSED IN PERIOD MIN: 60 (G) 1012 PSI
 FINAL HYDROSTATIC PRESSURE (H) 1651 PSI

6077

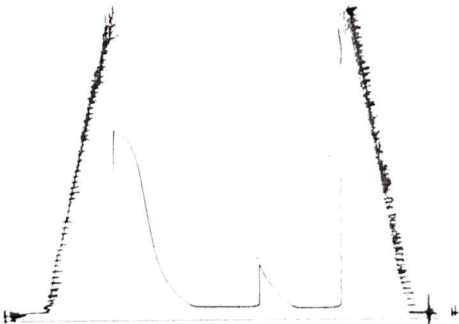
TKT # 7066

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TKT # 7066



WESTERN TESTING CO., INC.

Pressure Data

Date: 4-29-85 Test Ticket No. 7067
 Recorder No. 6077 Capacity 4700 Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

| Point | Pressure | P.S.I. | Open Tool | Time Given | Time Computed |
|---------------------------------|-------------|--------|----------------------------|-----------------|-----------------|
| A. Initial Hydrostatic Mud | <u>1754</u> | P.S.I. | _____ M | | |
| B. First Initial Flow Pressure | <u>27</u> | P.S.I. | First Flow Pressure | <u>30</u> Mins. | <u>30</u> Mins. |
| C. First Final Flow Pressure | <u>52</u> | P.S.I. | Initial Closed-in Pressure | <u>30</u> Mins. | <u>30</u> Mins. |
| D. Initial Closed-in Pressure | <u>905</u> | P.S.I. | Second Flow Pressure | <u>45</u> Mins. | <u>45</u> Mins. |
| E. Second Initial Flow Pressure | <u>84</u> | P.S.I. | Final Closed-in Pressure | <u>60</u> Mins. | <u>60</u> Mins. |
| F. Second Final Flow Pressure | <u>128</u> | P.S.I. | | | |
| G. Final Closed-in Pressure | <u>862</u> | P.S.I. | | | |
| H. Final Hydrostatic Mud | <u>1617</u> | P.S.I. | | | |

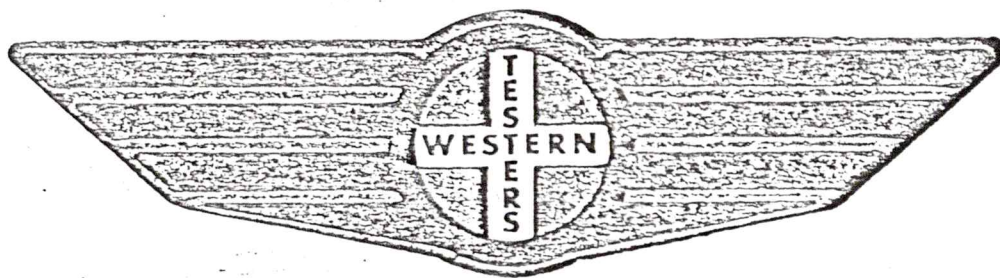
PRESSURE BREAKDOWN

| First Flow Pressure | | Initial Shut-In | | Second Flow Pressure | | Final Shut-In | |
|-----------------------------|-----------|-----------------------------|------------|-----------------------------|------------|-----------------------------|------------|
| Breakdown: <u>7</u> Inc. | | Breakdown: <u>11</u> Inc. | | Breakdown: <u>10</u> Inc. | | Breakdown: <u>21</u> Inc. | |
| of <u>5</u> mins. and a | | of <u>3</u> mins. and a | | of <u>5</u> mins. and a | | of <u>3</u> mins. and a | |
| final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | |
| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
| P 1 0 | <u>27</u> | 0 | <u>52</u> | 0 | <u>84</u> | 0 | <u>128</u> |
| P 2 5 | <u>27</u> | 3 | <u>539</u> | 5 | <u>84</u> | 3 | <u>519</u> |
| P 3 10 | <u>29</u> | 6 | <u>756</u> | 10 | <u>86</u> | 6 | <u>650</u> |
| P 4 15 | <u>32</u> | 9 | <u>807</u> | 15 | <u>95</u> | 9 | <u>694</u> |
| P 5 20 | <u>38</u> | 12 | <u>836</u> | 20 | <u>100</u> | 12 | <u>723</u> |
| P 6 25 | <u>45</u> | 15 | <u>857</u> | 25 | <u>108</u> | 15 | <u>746</u> |
| P 7 30 | <u>52</u> | 18 | <u>872</u> | 30 | <u>114</u> | 18 | <u>764</u> |
| P 8 35 | | 21 | <u>885</u> | 35 | <u>119</u> | 21 | <u>779</u> |
| P 9 40 | | 24 | <u>895</u> | 40 | <u>125</u> | 24 | <u>790</u> |
| P10 45 | | 27 | <u>905</u> | 45 | <u>128</u> | 27 | <u>800</u> |
| P11 50 | | 30 | <u>905</u> | 50 | | 30 | <u>808</u> |
| P12 55 | | 33 | | 55 | | 33 | <u>816</u> |
| P13 60 | | 36 | | 60 | | 36 | <u>824</u> |
| P14 65 | | 39 | | 65 | | 39 | <u>829</u> |
| P15 70 | | 42 | | 70 | | 42 | <u>836</u> |
| P16 75 | | 45 | | 75 | | 45 | <u>842</u> |
| P17 80 | | 48 | | 80 | | 48 | <u>848</u> |
| P18 85 | | 51 | | 85 | | 51 | <u>854</u> |
| P19 90 | | 54 | | 90 | | 54 | <u>857</u> |
| P20 95 | | 57 | | 95 | | 57 | <u>860</u> |
| 100 | | 60 | | 100 | | 60 | <u>862</u> |

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 4-29-85
CUSTOMER: LEE PHILLIPS OIL COMPANY
WELL: 1 TEST: 3
ELEVATION (KB): 1855 FORMATION: ARBUCKLE
SECTION: 27 TOWNSHIP: 17S
RANGE: 14W COUNTY: BARTON STATE: KANSAS
GAUGE SN #6077 RANGE: 4700 CLOCK: 12

INTERVAL TEST FROM: 3302 FT TO: 3355 FT TOTAL DEPTH: 3355 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3297 FT SIZE: 6 5/8 IN PACKER DEPTH: 3302 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WOODMAN/IANNITTI #3
MUD TYPE: CHEMICAL VISCOSITY: 46
WEIGHT: 9.4 WATER LOSS (CC): 10.4
CHLORIDES (P.P.M.): 11000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: 382 FT I.D.: 2.7 IN
DRILL PIPE LENGTH: 2898 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 22 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 53 FT SIZE: 5 1/2 OD 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 XH IN

BLOW: INITIAL FLOW PERIOD FAIR BLOW BUILDING
TO STRONG; OFF BOTTOM OF BUCKET IN 17 MINUTES.
FINAL FLOW PERIOD FAIR BLOW BUILDING
TO STRONG; OFF BOTTOM OF BUCKET IN 30 MINUTES.

RECOVERED: 260 FT OF: FREE OIL (10% GAS; 90% OIL).
RECOVERED: 56 FT OF: OIL & GAS CUT MUD (10% OIL; 10% GAS; 80% MUD).
RECOVERED: 124 FT OF: GAS ABOVE FLUID.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

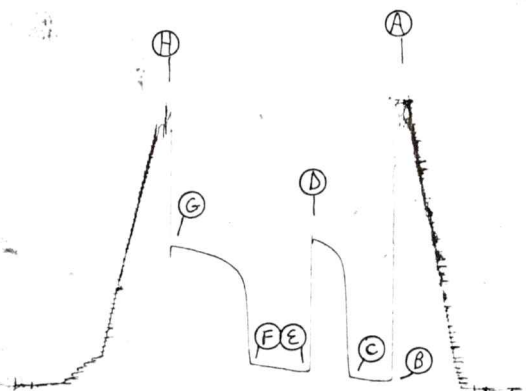
REMARKS: GRAVITY - 39 DEGREES TEMPERATURE CORRECTED.

TIME SET PACKER(S): 1:10 AM TIME STARTED OFF BOTTOM: 3:55 AM
WELL TEMPERATURE: 111 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1754 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 27 PSI TO (C) 52 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 905 PSI
FINAL FLOW PERIOD MIN: 45 (E) 84 PSI TO (F) 128 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 862 PSI
FINAL HYDROSTATIC PRESSURE (H) 1617 PSI

6077

TKT # 7067

II



11028

TKT # 7067

