



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Lee Phillips Oil Co. Lease & Well No. Davis #1
Elevation 1376 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. #21711
Date 11-28-76 Sec. 9 Twp. 32S Range 9W County Harper State Kansas
Test Approved by Charles R. King Western Representative Bill Hager
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4305' to 4333' Total Depth 4333'
Size Main Hole 77/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☒ Yes ☐ No
Top Packer Depth 4300 Ft. Size 6 3/4 Bottom Packer Depth 4305 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 28 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4309 Ft. Clock No. 4763 Depth 4312 Ft. Clock No. 6897
Top Make Kuster Cap. 4150 No. 2604 ☒ Inside ☐ Outside Bottom Make Kuster Cap. 4000 No. 3660 ☒ Inside ☐ Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ ☒ Inside ☐ Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ ☒ Inside ☐ Outside
Time Set Packer 11:33 P M
Tool Open I.F.P. From 11:35P M. to 12:05A M. - Hr. 30 Min. From (B) 38 P.S.I. To (C) 49 P.S.I.
Tool Closed I.C.I.P. From 12:05A M. to 12:50A M. - Hr. 45 Min (D) 1672 P.S.I.
Tool Open F.F.P. From 12:50A M. to 1:50A M. - Hr. 60 Min. From (E) 51 P.S.I. To (F) 34 P.S.I.
Tool Closed F.C.I.P. From 1:50A M. to 3:25A M. 1 Hr. 35 Min. (G) 1647 P.S.I.
Initial Hydrostatic Pressure (A) 2331 P.S.I. Final Hydrostatic Pressure (H) 2264 P.S.I. Maximum Temp. 136

INFORMATION

BLOW Strong blow throughout test - see attached sheet
Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 180' gas-cut watery mud.
Reversed Out ☐ Yes ☒ No Mud Type starch Viscosity 53 Weight 9.7 Water Loss 9.2 cc. Chlorides 39,000 P.P.M.
EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint ☐ Jars: Size ☐ In. Make ☐ Ser. No. ☐
Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? ☐
DRILLING CONTRACTOR Sweetman Drlg. Co. Length Drill Pipe? 4005 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.
Length Weight Pipe ☐ Ft. I.D. Weight Pipe ☐ In. Tool Joint Size ☐ In. Length Drill Collars 279 Ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4 1/2 In. Length D.S.T. Tool 49 Ft.

Remarks:

Clock #6897 stopped.



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GAS FLOW REPORT

Date 11-28-76 Ticket 21711 Company Lee Phillips Oil Co.
Well Name and No. Davis #1 Dst No. 1 Interval Tested 4305' - 4333'
County Harper State Kansas Sec. 9 Twp. 32S Rg. 6W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
1" orifice PRE FLOW						
11:50PM	15 min.	16" of water				103,000 C.F.P.D.
11:55PM	20 min.	20" of water				115,000 C.F.P.D.
12:00AM	25 min.	25" of water				115,000 C.F.P.D.
12:05AM	30 min.	30" of water				115,000 C.F.P.D.
Gas to surface in 8 minutes.						

SECOND FLOW

12:55AM	5 min.	30" of water				141,000 C.F.P.D.
1:00 AM	10 min.	30" of water				141,000 C.F.P.D.
1:05AM	15 min.	28" of water				137,000 C.F.P.D.
1:10AM	20 min.	28" of water				137,000 C.F.P.D.
1:15AM	25 min.	28" of water				137,000 C.F.P.D.
1:20AM	30 min.	26" of water				132,000 C.F.P.D.
1:25AM	35 min.	26" of water				132,000 C.F.P.D.
1:30AM	40 min.	26" of water				132,000 C.F.P.D.
1:35AM	45 min.	24" of water				126,000 C.F.P.D.
1:40AM	50 min.	24" of water				126,000 C.F.P.D.
1:45AM	55 min.	24" of water				126,000 C.F.P.D.
1:50AM	60 min.	24" of water				126,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled 11-28-76 Date to be Invoiced 11-28-76

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal a 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Lee Phillips Oil Co.

Authorized by Charles R. King

WESTERN TESTING CO., INC.

Pressure Data

Date 11-28-76 Recorder No. 2604 Capacity 4150 Test Ticket No. #21711
 Clock No. 4763 Elevation 1376 Kelly Bushing Location 4309 Ft. 136 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2331 P.S.I.	11:33 P M	
B First Initial Flow Pressure	38 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	49 P.S.I.	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1672 P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	51 P.S.I.	95 Mins.	93 Mins.
F Second Final Flow Pressure	34 P.S.I.		
G Final Closed-in Pressure	1647 P.S.I.		
H Final Hydrostatic Mud	2264 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>31</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 <u>0</u>	<u>38</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>34</u>
P 2 <u>5</u>	<u>40</u>	<u>3</u>	<u>745</u>	<u>5</u>	<u>38</u>	<u>3</u>	<u>502</u>
P 3 <u>10</u>	<u>45</u>	<u>6</u>	<u>1385</u>	<u>10</u>	<u>39</u>	<u>6</u>	<u>1067</u>
P 4 <u>15</u>	<u>49</u>	<u>9</u>	<u>1496</u>	<u>15</u>	<u>39</u>	<u>9</u>	<u>1311</u>
P 5 <u>20</u>	<u>49</u>	<u>12</u>	<u>1546</u>	<u>20</u>	<u>39</u>	<u>12</u>	<u>1393</u>
P 6 <u>25</u>	<u>49</u>	<u>15</u>	<u>1580</u>	<u>25</u>	<u>34</u>	<u>15</u>	<u>1439</u>
P 7 <u>30</u>	<u>49</u>	<u>18</u>	<u>1603</u>	<u>30</u>	<u>33</u>	<u>18</u>	<u>1471</u>
P 8		<u>21</u>	<u>1618</u>	<u>35</u>	<u>32</u>	<u>21</u>	<u>1494</u>
P 9		<u>24</u>	<u>1628</u>	<u>40</u>	<u>32</u>	<u>24</u>	<u>1513</u>
P10		<u>27</u>	<u>1238</u>	<u>45</u>	<u>32</u>	<u>27</u>	<u>1527</u>
P11		<u>30</u>	<u>1647</u>	<u>50</u>	<u>33</u>	<u>30</u>	<u>1542</u>
P12		<u>33</u>	<u>1653</u>	<u>55</u>	<u>34</u>	<u>33</u>	<u>1555</u>
P13		<u>36</u>	<u>1660</u>	<u>60</u>	<u>34</u>	<u>36</u>	<u>1564</u>
P14		<u>39</u>	<u>1664</u>			<u>39</u>	<u>1574</u>
P15		<u>42</u>	<u>1668</u>			<u>42</u>	<u>1582</u>
P16		<u>45</u>	<u>1672</u>			<u>45</u>	<u>1590</u>
P17						<u>48</u>	<u>1597</u>
P18						<u>51</u>	<u>1603</u>
P19						<u>54</u>	<u>1607</u>
P20						<u>57</u>	<u>1611</u>
						<u>60</u>	<u>1616</u>

WESTERN TESTING CO., INC.

Pressure Data

11-28-76

Test Ticket No. #21711

2604

4150

Location 4309 Ft.

4763

Elevation 1376 Kelly Bushing

Well Temperature 136 °F

int

Pressure

Time Given

Time Computed

Initial Hydrostatic Mud 2331 P.S.I.
First Initial Flow Pressure 38 P.S.I.
First Final Flow Pressure 49 P.S.I.
Initial Closed-in Pressure 1672 P.S.I.
Second Initial Flow Pressure 51 P.S.I.
Second Final Flow Pressure 34 P.S.I.
Final Closed-in Pressure 1647 P.S.I.
Final Hydrostatic Mud 2264 P.S.I.

Open Tool

First Flow Pressure

Initial Closed-in Pressure

Second Flow Pressure

Final Closed-in Pressure

11:33 P M

30 Mins. 30 Mins.

45 Mins. 45 Mins.

60 Mins. 60 Mins.

95 Mins. 93 Mins.

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 6 Inc.

of 5 mins. and a

final inc. of 0 Min.

Initial Shut-In

Breakdown: 15 Inc.

of 3 mins. and a

final inc. of 0 Min.

Second Flow Pressure

Breakdown: 12 Inc.

of 5 mins. and a

final inc. of 0 Min.

Final Shut-In

Breakdown: 31 Inc.

of 3 mins. and a

final inc. of 0 Min.

Point
ins.

Press.

Point
Minutes

Press.

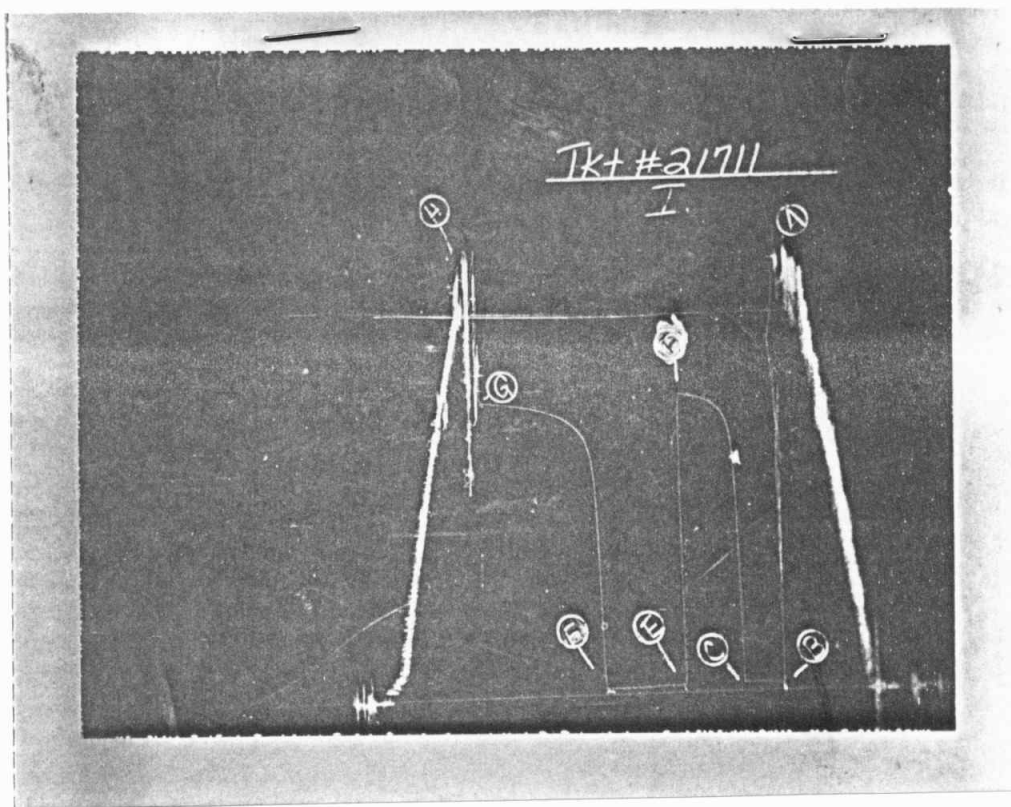
Point
Minutes

Press.

Point
Minutes

Press.

1						63	1620
2						66	1624
3						69	1628
4						72	1631
5						75	1634
6						78	1639
7						81	1641
8						84	1643
9						87	1645
10						90	1647
11						93	1647
12							
13							
14							
15							
16							
17							
18							
19							
20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2295	2331	PSI
(B) First Initial Flow Pressure	31	38	PSI
(C) First Final Flow Pressure	42	49	PSI
(D) Initial Closed-in Pressure	1663	1672	PSI
(E) Second Initial Flow Pressure	31	51	PSI
(F) Second Final Flow Pressure	31	34	PSI
(G) Final Closed-in Pressure	1642	1647	PSI
(H) Final Hydrostatic Mud	2263	2264	PSI



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Company Lee Phillips Oil Co. Lease & Well No. Davis #1
Elevation - Formation Simpson Effective Pay - Ft. Ticket No. 21712
Date 11-30-76 Sec. 9 Twp. 32S Range 9W County Harper State Kansas
Test Approved by Charles R. King Western Representative Bill Hager
Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 4698' to 4706' Total Depth 4706'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Top Packer Depth 4693 Ft. Size 6 3/4 Bottom Packer Depth 4698 Ft. Size 6 3/4
Straddle ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No Packer Depth - Ft. Size -
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 8 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4680 Ft. Clock No. 4763 Depth 4702 Ft. Clock No. 6866
Top Make Kuster Cap. 4150 No. 2604 Inside Outside Bottom Make Kuster Cap. 4000 No. 3660 ~~Inside~~ Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 9:19A M
Tool Open I.F.P. From 9:21A M. to 9:36A M. - Hr. 15 Min. From (B) 575 P.S.I. To (C) 1067 P.S.I.
Tool Closed I.C.I.P. From 9:36A M. to 10:36A M. - Hr. 60 Min (D) 1743 P.S.I.
Tool Open F.F.P. From 10:36A M. to 11:06A M. - Hr. 30 Min. From (E) 1167 P.S.I. To (F) 1647 P.S.I.
Tool Closed F.C.I.P. From 11:06A M. to 12:06P M. - Hr. 60 Min. (G) 1741 P.S.I.
Initial Hydrostatic Pressure (A) 2297 P.S.I. Final Hydrostatic Pressure (H) 2255 P.S.I. Maximum Temp. 136

INFORMATION

BLOW Strong throughout test. Gas to surface in 4 minutes, gas flowed in 10 minutes on initial flow period, gas flowed in 18 minutes on final flow period. See attached sheet.

Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 300' of water below circ. sub.

Reversed Out ☒ Yes ☐ No Mud Type Starch Viscosity 48 Weight 9.3 Water Loss 12.8 cc. Chlorides 32,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint - Jars: Size - In. Make - Ser. No. -

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR Sweetman Drlg. Co. Length Drill Pipe? 4393 Ft. I.D. Drill Pipe - In. Tool Joint Size - In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 279 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/2 H-90 Length D.S.T. Tool 34 Ft.

Remarks: Clock # 4763 stopped. Slid tool 3' to bottom.

WESTERN TESTING CO., INC.

Pressure Data

Date 11-30-76 Test Ticket No. #21712
 Recorder No. 2604 Capacity 4150 Location 4680 Ft.
 Clock No. 4763 Elevation - Well Temperature 136 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2297</u>	P.S.I.	<u>9:19 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>575</u>	P.S.I.	<u>15</u>	<u>15</u>
C First Final Flow Pressure	<u>1067</u>	P.S.I.	<u>60</u>	<u>60</u>
D Initial Closed-in Pressure	<u>1743</u>	P.S.I.	<u>30</u>	<u>30</u>
E Second Initial Flow Pressure	<u>1167</u>	P.S.I.	<u>60</u>	<u>66</u>
F Second Final Flow Pressure	<u>1647</u>	P.S.I.		
G Final Closed-in Pressure	<u>1741</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2255</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>22</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 <u>0</u>	<u>575</u>	<u>0</u>	<u>1067</u>	<u>0</u>	<u>1167</u>	<u>0</u>	<u>1647</u>
P 2 <u>5</u>	<u>Plugging Action</u>	<u>3</u>	<u>1739</u>	<u>5</u>	<u>1305</u>	<u>3</u>	<u>1735</u>
P 3 <u>10</u>	<u>Plugging Action</u>	<u>6</u>	<u>1739</u>	<u>10</u>	<u>1460</u>	<u>6</u>	<u>1736</u>
P 4 <u>15</u>	<u>1067</u>	<u>9</u>	<u>1740</u>	<u>15</u>	<u>1590</u>	<u>9</u>	<u>1737</u>
P 5 <u>20</u>		<u>12</u>	<u>1742</u>	<u>20</u>	<u>1660</u>	<u>12</u>	<u>1737</u>
P 6 <u>25</u>		<u>15</u>	<u>1742</u>	<u>25</u>	<u>1662</u>	<u>15</u>	<u>1737</u>
P 7 <u>30</u>		<u>18</u>	<u>1742</u>	<u>30</u>	<u>1647</u>	<u>18</u>	<u>1738</u>
P 8 <u>35</u>		<u>21</u>	<u>1742</u>			<u>21</u>	<u>1738</u>
P 9 <u>40</u>		<u>24</u>	<u>1743</u>			<u>24</u>	<u>1739</u>
P 10 <u>45</u>		<u>27</u>	<u>1743</u>			<u>27</u>	<u>1739</u>
P 11 <u>50</u>		<u>30</u>	<u>1743</u>			<u>30</u>	<u>1739</u>
P 12 <u>55</u>		<u>33</u>	<u>1743</u>			<u>33</u>	<u>1739</u>
P 13 <u>60</u>		<u>36</u>	<u>1743</u>			<u>36</u>	<u>1739</u>
P 14 <u>65</u>		<u>39</u>	<u>1743</u>			<u>39</u>	<u>1741</u>
P 15 <u>70</u>		<u>42</u>	<u>1743</u>			<u>42</u>	<u>1741</u>
P 16 <u>75</u>		<u>45</u>	<u>1743</u>			<u>45</u>	<u>1741</u>
P 17 <u>80</u>		<u>48</u>	<u>1743</u>			<u>48</u>	<u>1741</u>
P 18 <u>85</u>		<u>51</u>	<u>1743</u>			<u>51</u>	<u>1741</u>
P 19 <u>90</u>		<u>54</u>	<u>1743</u>			<u>54</u>	<u>1741</u>
P 20 <u>95</u>		<u>57</u>	<u>1743</u>			<u>57</u>	<u>1741</u>
		<u>60</u>	<u>1743</u>			<u>60</u>	<u>1741</u>
						<u>63</u>	<u>1741</u>
						<u>66</u>	<u>1741</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2274	2297	PSI
(B) First Initial Flow Pressure	564	575	PSI
(C) First Final Flow Pressure	1056	1067	PSI
(D) Initial Closed-in Pressure	1747	1743	PSI
(E) Second Initial Flow Pressure	1171	1167	PSI
(F) Second Final Flow Pressure	1653	1647	PSI
(G) Final Closed-in Pressure	1737	1741	PSI
(H) Final Hydrostatic Mud	2274	2255	PSI