

Home Office: Great Bend, Kansas
P. O. Box 793 SWift 3-7903

Company K. & E. Drilling Company Lease and Well No. Davis #1
Elevation == Formation Stalnaker Ticket Number 5347
Date March 8, 1966 Sec. 16 Twp. 32 Range 6 County Harper State Kansas
Test Approved by George E. Link Western Representative Leon Elmore

Formation Test No. 1 O.K. ☒ Misrun Interval Tested From 3438' to 3460' Total Depth 3460'
Size Main Hole 7 7/8 Rat Hole Conv. ☒ B.T. Damaged Yes ☒ No Conv. B.T. ☒ Damaged Yes ☒ No
Packer Depth 3435 Ft. Size 6 3/4 Packer Depth 3438 Ft. Size 6 3/4
Straddle Yes ☒ No Conv. B.T. Damaged Yes No

Packer Depth Ft. Size
Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 22 Ft. Size 5 1/2 OD
RECORDERS Depth 3452 Ft. Clock No. 6861 Depth 3455 Ft. Clock No. 139
Top Make Kuster Cap. 4300 No. 1566 Inside Outside Western Cap. 4000 No. 60 Inside Outside Western
Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside
Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 1:43 A M
Tool Open I.F.P. From 1:50 M to 2:05 M Hr. 15 Min. From (B) 84 P.S.I. To (C) 384 P.S.I.
Tool Closed I.C.I.P. From 2:05 M. to 2:50 M. Hr. 45 Min. (D) 1452 P.S.I.
Tool Open F.F.P. From 2:50 M. to 4:20 M. 1 Hr. 30 Min. From (E) 424 P.S.I. To (F) 1117 P.S.I.
Tool Closed F.C.I.P. From 4:20 M. to 5:05 M. Hr. 45 Min. (G) 1437 P.S.I.
Initial Hydrostatic Pressure (A) 1819 P.S.I. Final Hydrostatic Pressure (H) 1806 P.S.I.

SURFACE	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	<u>3/4</u> In.		<u>M.</u>	
			<u>M.</u>	
			<u>M.</u>	

BLOW Strong Bottom Choke Size 3/4 In.

Did Well Flow Yes ☒ No Recovery Total Ft. 2135' slightly muddy salt water Mud

Reversed Out ☒ Yes No Mud Type starch Viscosity 36 Weight 9.9 Maximum Temp. 128 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 2210 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1150 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 39 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date March 8, 1966

Test Ticket No. 5347

Recorder No. 1566 Capacity 4300 Location 3452 Ft.

Clock No. 6861 Elevation == Well Temperature 128 °F

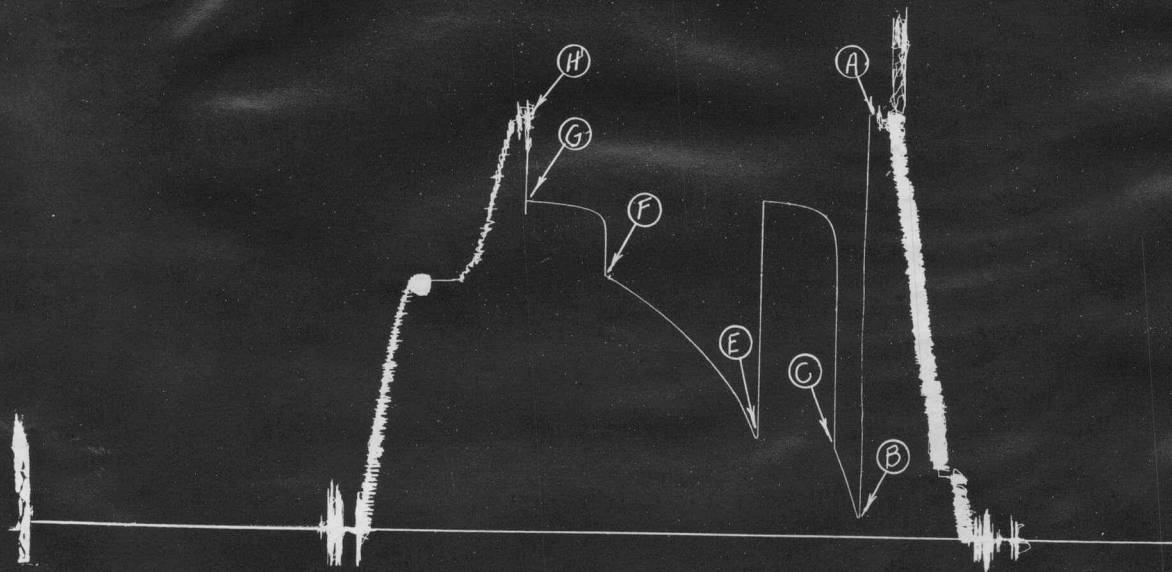
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1819</u> P.S.I.	Opened Tool	<u>1:43A</u> M.	
B First Initial Flow Pressure	<u>84</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>384</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1452</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>424</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>46</u> Mins.
F Second Final Flow Pressure	<u>1117</u> P.S.I.			
G Final Closed-in Pressure	<u>1437</u> P.S.I.			
H Final Hydrostatic Mud	<u>1806</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>15</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>1</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>84</u>	<u>0</u>	<u>384</u>	<u>0</u>	<u>424</u>	<u>0</u>	<u>1117</u>
P 2 <u>5</u>	<u>181</u>	<u>3</u>	<u>1265</u>	<u>5</u>	<u>486</u>	<u>3</u>	<u>1375</u>
P 3 <u>10</u>	<u>287</u>	<u>6</u>	<u>1353</u>	<u>10</u>	<u>568</u>	<u>6</u>	<u>1394</u>
P 4 <u>15</u>	<u>384</u>	<u>9</u>	<u>1383</u>	<u>15</u>	<u>626</u>	<u>9</u>	<u>1401</u>
P 5		<u>12</u>	<u>1401</u>	<u>20</u>	<u>675</u>	<u>12</u>	<u>1409</u>
P 6		<u>15</u>	<u>1416</u>	<u>25</u>	<u>720</u>	<u>15</u>	<u>1414</u>
P 7		<u>18</u>	<u>1424</u>	<u>30</u>	<u>763</u>	<u>18</u>	<u>1418</u>
P 8		<u>21</u>	<u>1431</u>	<u>35</u>	<u>806</u>	<u>21</u>	<u>1422</u>
P 9		<u>24</u>	<u>1435</u>	<u>40</u>	<u>840</u>	<u>24</u>	<u>1424</u>
P10		<u>27</u>	<u>1439</u>	<u>45</u>	<u>877</u>	<u>27</u>	<u>1426</u>
P11		<u>30</u>	<u>1444</u>	<u>50</u>	<u>911</u>	<u>30</u>	<u>1431</u>
P12		<u>33</u>	<u>1446</u>	<u>55</u>	<u>944</u>	<u>33</u>	<u>1433</u>
P13		<u>36</u>	<u>1448</u>	<u>60</u>	<u>969</u>	<u>36</u>	<u>1435</u>
P14		<u>39</u>	<u>1450</u>	<u>65</u>	<u>1000</u>	<u>39</u>	<u>1436</u>
P15		<u>42</u>	<u>1452</u>	<u>70</u>	<u>1025</u>	<u>42</u>	<u>1436</u>
P16		<u>45</u>	<u>1452</u>	<u>75</u>	<u>1053</u>	<u>45</u>	<u>1437</u>
P17				<u>80</u>	<u>1074</u>	<u>46</u>	<u>1437</u>
P18				<u>85</u>	<u>1098</u>		
P19				<u>90</u>	<u>1117</u>		
P20							

K&E DRUG. CO.
DAVIS #1

TEST #1
TKT #5347





Home Office: Great Bend, Kansas

P. O. Box 793

SWift 3-7903

Company K. & E. Drilling Company, Inc. Lease & Well No. Davis #1
Elevation 1383 Derrick Floor Formation Mississippi Ticket Number 5292
Date March 12, 1966 Sec. 16 Twp. 33 Range 6 County Harper State Kansas
Test Approved by George E. Link Western Representative George Tew

Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 4317' to 4340' Total Depth 4340'
Size Main Hole 7 7/8 Rat Hole none Conv. ☐ B.T. ☒ Damaged ☐ Yes ☐ No Conv ☒ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth 4317 Ft. Size 6 3/4 Packer Depth 4312 Ft. Size 6 3/4
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Jt. Size 4' FH Anchor Length 23 Ft. Size 5 1/2 OD
RECORDERS Depth 4332 Ft. Clock No. 5665 Depth 4335 Ft. Clock No. 112
Top Make Kuster Cap. 4200 No. 1558 Inside Bottom Make Western Cap. 4000 No. 4 Inside
Below Straddle: Depth Clock No. Outside Depth Ft. Clock No. Outside
Top Make Cap. No. Inside Bottom Make Cap. No. Outside

Time Set Packer 8:12 A M
Tool Open I.F.P. From 8:15A M to 8:30 M Hr. 15 Min. From (B) 103 P.S.I. To (C) 103 P.S.I.
Tool Closed I.C.I.P. From 8:30 M. to 9:15 M. Hr. 45 Min. (D) 1690 P.S.I.
Tool Open F.F.P. From 9:15 M. to 10:15 M. 1 Hr. Min. From (E) 65 P.S.I. To (F) 67 P.S.I.
Tool Closed F.C.I.P. From 10:15 M. to 10:45 M. Hr. 30 Min. (G) ** == P.S.I.
Initial Hydrostatic Pressure (A) 2319 P.S.I. Final Hydrostatic Pressure (H) 2302 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION M.
 M.
 SEE ATTACHED SHEET M.

BLOW STRONG. Gas to surface in 8 minutes. Bottom Choke Size 3/4 In.

Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 620' slightly gas cut mud

Reversed Out ☐ Yes ☒ No Mud Type starch Viscosity 46 Weight 10.1 Maximum Temp. 122 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? partialy

Length Drill Pipe 3217 ft. I.D. Drill Pipe 3 in Length Weight Pipe 1080 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 43 ft.

Remarks ** Packers failed the first time. Reset packers, they held-- Packers leaked during final 15 minutes of F. F. P. F.B.H.P. could be false.

WESTERN TESTING CO., INC.

Pressure Data

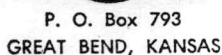
Date March 12, 1966 Test Ticket No. 5292
 Recorder No. 1558 Capacity 4200 Location 4332 Ft.
 Clock No. 5665 Elevation 1383 Derrick Floor Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2319	P.S.I.	8:12 A	M
B First Initial Flow Pressure	103	P.S.I.	15	Mins. 103 Mins.
C First Final Flow Pressure	103	P.S.I.	45	Mins. 43 Mins.
D Initial Closed-in Pressure	1690	P.S.I.	60	Mins. 39 Mins.
E Second Initial Flow Pressure	65	P.S.I.	30	Mins. == Mins.
F Second Final Flow Pressure	67	P.S.I.		
G Final Closed-in Pressure	==	P.S.I.		
H Final Hydrostatic Mud	2302	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>==</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>1</u> Min.		final inc. of <u>4</u> Min.		final inc. of <u>==</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>103</u>	<u>0</u>	<u>103</u>	<u>0</u>	<u>65</u>	<u>0</u>	
P 2 <u>5</u>	<u>103</u>	<u>3</u>	<u>647</u>	<u>5</u>	<u>65</u>	<u>3</u>	
P 3 <u>10</u>	<u>103</u>	<u>6</u>	<u>1129</u>	<u>10</u>	<u>65</u>	<u>6</u>	
P 4 <u>15</u>	<u>103</u>	<u>9</u>	<u>1441</u>	<u>15</u>	<u>66</u>	<u>9</u>	
P 5		<u>12</u>	<u>1563</u>	<u>20</u>	<u>66</u>	<u>12</u>	
P 6		<u>15</u>	<u>1605</u>	<u>25</u>	<u>67</u>	<u>15</u>	
P 7		<u>18</u>	<u>1628</u>	<u>30</u>	<u>67</u>	<u>18</u>	
P 8		<u>21</u>	<u>1645</u>	<u>35</u>	<u>67</u>	<u>21</u>	
P 9		<u>24</u>	<u>1656</u>	<u>39</u>	<u>67</u>	<u>24</u>	
P10		<u>27</u>	<u>1664</u>			<u>27</u>	
P11		<u>30</u>	<u>1672</u>				
P12		<u>33</u>	<u>1677</u>				
P13		<u>36</u>	<u>1683</u>				
P14		<u>39</u>	<u>1686</u>				
P15		<u>42</u>	<u>1689</u>				
P16		<u>43</u>	<u>1690</u>				
P17							
P18							
P19							
P20							

Due leaking of packer after 39 minutes second flow pressure we feel final shut-in pressure to be false.



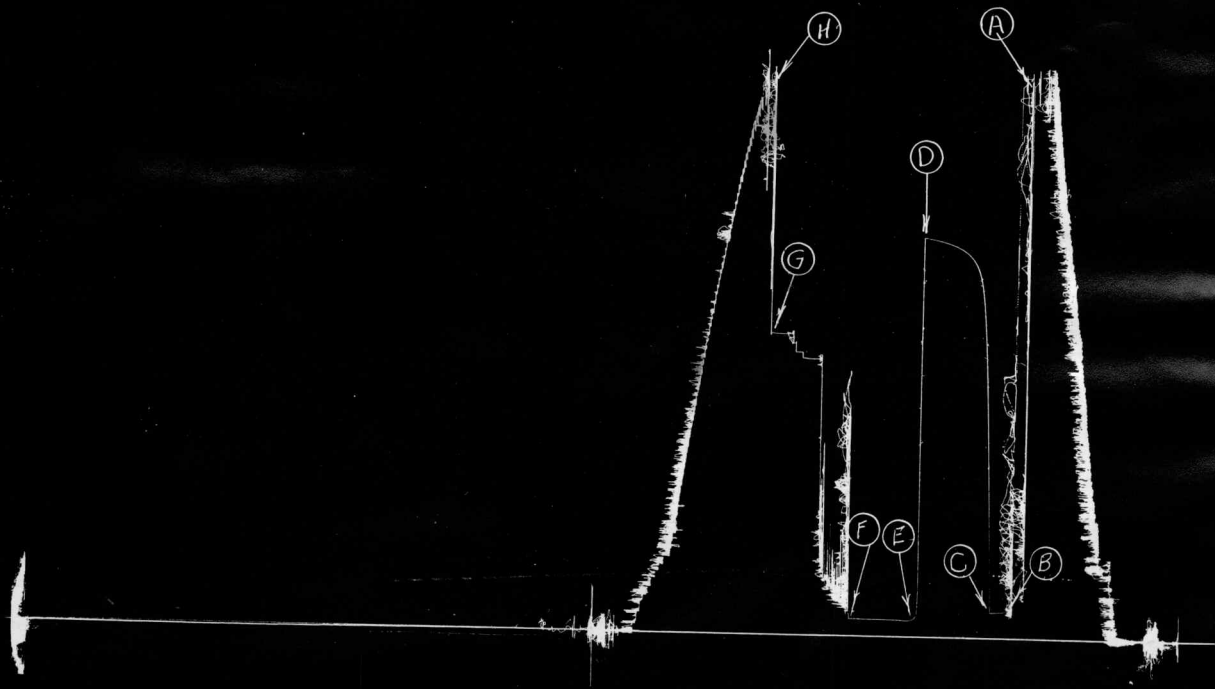
Test No. 2 Interval Tested From 4317' To 4340'

Size Choke Surface 1/2 In. Bottom 3/4 In.

Remarks Gas to surface in 8 minutes.

K & E DRUG. CO. INC.
DAVIS #1

TEST # 2
TKT # 5292





Home Office: Great Bend, Kansas
P. O. Box 793 SWift 3-7903

Company K. & E. Drilling, Inc. Lease & Well No. Davis #1
Elevation 1383 Derrick Floor Formation Mississippi Ticket Number 5293
Date March 12, 1966 16 Twp. 33 Range 6 County Harper State Kansas
Test Approved by George E. Link Western Representative George Tew

Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4340' to 4350' Total Depth 4350'
Size Main Hole 7 7/8 Rat Hole none Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth 4340 Ft. Size 6 3/4 Packer Depth _____ Ft. Size _____
Straddle _____ Yes ☒ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No
Packer Depth _____ Ft. Size _____

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 10 Ft. Size 5 1/2 OD

RECORDERS	Depth <u>4345</u> Ft.	Clock No. <u>5665</u>	Depth <u>4348</u> Ft.	Clock No. <u>112</u>
	Top Make <u>Kuster</u> Cap. <u>4200</u> No. <u>1558</u>	<u>Inside</u> <u>Outside</u>	Bottom Make <u>Western</u> Cap. <u>4000</u> No. <u>4</u>	<u>Inside</u> <u>Outside</u>
Below Straddle: Depth _____	Clock No. _____	<u>Inside</u> <u>Outside</u>	Depth _____ Ft.	Clock No. _____
Top Make _____ Cap. _____ No. _____	<u>Inside</u> <u>Outside</u>	Bottom Make _____ Cap. _____ No. _____	<u>Inside</u> <u>Outside</u>	

Time Set Packer 7:42 P M

Tool Open I.F.P. From 7:45 M to 8:00 M Hr. 15 Min. From (B) 25 P.S.I. To (C) 31 P.S.I.
Tool Closed I.C.I.P. From 8:00 M. to 8:45 M. Hr. 45 Min. (D) 1215 P.S.I.
Tool Open F.F.P. From 8:45 M. to 10:15 M. 1 Hr. 30 Min. From (E) 33 P.S.I. To (F) 50 P.S.I.
Tool Closed F.C.I.P. From 10:15 M. to 11:00 M. Hr. 45 Min. (G) 1100 P.S.I.
Initial Hydrostatic Pressure (A) 2326 P.S.I. Final Hydrostatic Pressure (H) 2304 P.S.I.

SURFACE	Size Choke <u>1/2</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	_____	_____	M.	_____
	_____	_____	M.	_____
	_____	_____	M.	_____

BLOW Strong, decreasing to good. Gas to surface in 60 minutes. Too weak to gauge. Bottom Choke Size 3/4 In.

Did Well Flow ☒ Yes _____ No _____ Recovery Total Ft. 120' very heavily oil and gas cut mud

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 46 Weight 10.1 Maximum Temp. 128 °F

EXTRA EQUIPMENT: Dual Packers no Safety Joint no Jars: Size _____ Make _____ Ser. No. _____

Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes

Length Drill Pipe 3245 ft. I.D. Drill Pipe 3 in Length Weight Pipe 1080 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 25 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date March 12, 1966

Test Ticket No. 5293

Recorder No. 1558 Capacity 4200 Location 4345 Ft.

Clock No. 5665 Elevation 1383 Derrick Floor Well Temperature 128 °F

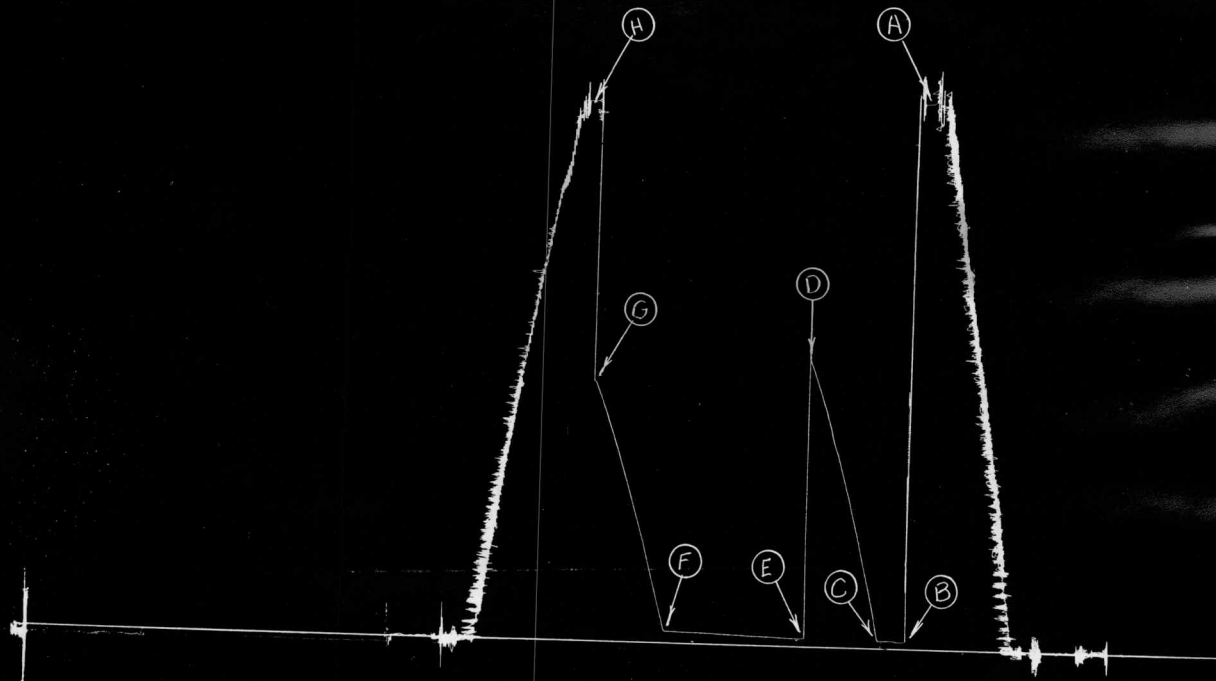
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2326</u> P.S.I.	Opened Tool	<u>7:42 PM</u>	
B First Initial Flow Pressure	<u>25</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>31</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1215</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>80</u> Mins.
E Second Initial Flow Pressure	<u>33</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>50</u> P.S.I.			
G Final Closed-in Pressure	<u>1100</u> P.S.I.			
H Final Hydrostatic Mud	<u>2304</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>15</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>25</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>50</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>139</u>	<u>5</u>	<u>33</u>	<u>3</u>	<u>130</u>
P 3 <u>10</u>	<u>31</u>	<u>6</u>	<u>223</u>	<u>10</u>	<u>33</u>	<u>6</u>	<u>202</u>
P 4 <u>15</u>	<u>31</u>	<u>9</u>	<u>307</u>	<u>15</u>	<u>33</u>	<u>9</u>	<u>284</u>
P 5		<u>12</u>	<u>396</u>	<u>20</u>	<u>34</u>	<u>12</u>	<u>360</u>
P 6		<u>15</u>	<u>489</u>	<u>25</u>	<u>35</u>	<u>15</u>	<u>438</u>
P 7		<u>18</u>	<u>572</u>	<u>30</u>	<u>37</u>	<u>18</u>	<u>508</u>
P 8		<u>21</u>	<u>645</u>	<u>35</u>	<u>39</u>	<u>21</u>	<u>589</u>
P 9		<u>24</u>	<u>724</u>	<u>40</u>	<u>40</u>	<u>24</u>	<u>664</u>
P10		<u>27</u>	<u>799</u>	<u>45</u>	<u>42</u>	<u>27</u>	<u>730</u>
P11		<u>30</u>	<u>870</u>	<u>50</u>	<u>43</u>	<u>30</u>	<u>805</u>
P12		<u>33</u>	<u>951</u>	<u>55</u>	<u>44</u>	<u>33</u>	<u>874</u>
P13		<u>36</u>	<u>1022</u>	<u>60</u>	<u>46</u>	<u>36</u>	<u>928</u>
P14		<u>39</u>	<u>1098</u>	<u>65</u>	<u>47</u>	<u>39</u>	<u>1000</u>
P15		<u>42</u>	<u>1158</u>	<u>70</u>	<u>48</u>	<u>42</u>	<u>1052</u>
P16		<u>45</u>	<u>1215</u>	<u>75</u>	<u>49</u>	<u>45</u>	<u>1100</u>
P17				<u>80</u>	<u>50</u>		
P18							
P19							
P20							

K&E DRUG. CO.
DAVIS #1

TEST #3
TKT#5293





Home Office: Great Bend, Kansas
P. O. Box 793 SWift 3-7903

Company K. & E. Drilling Company, Inc. Lease & Well No. Davis #1
Elevation 1383 Derrick Floor Formation Mississippi Ticket Number 5294
Date March 13, 1966 Sec. 16 Twp. 33 Range 6 County Harper State Kansas
Test Approved by George E. Link Western Representative George Tew

Formation Test No. 4 O.K. ☒ Misrun ☐ Interval Tested From 4350' to 4360' Total Depth 4360'
Size Main Hole 7 7/8 Rat Hole none Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth 4350 Ft. Size 6 3/4 Packer Depth Ft. Size
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No

Packer Depth Ft. Size
Tool Size 5 1/2 OD Tool Jt. Size 4' FH Anchor Length 10 Ft. Size 5 1/2 OD

RECORDERS Depth 4355 Ft. Clock No. 5665 Depth 4358 Ft. Clock No. 112
Top Make Kuster Cap. 4200 No. 1558 ~~Inside~~ Outside Bottom Make Western Cap. 4000 No. 4 ~~Inside~~ Outside
Below Straddle: Depth Clock No. Depth Ft. Clock No.
Top Make Cap. No. ~~Inside~~ Outside Bottom Make Cap. No. ~~Inside~~ Outside

Time Set Packer 9:17 A M
Tool Open I.F.P. From 9:20 M to 9:35 M Hr. 15 Min. From (B) 25 P.S.I. To (C) 25 P.S.I.
Tool Closed I.C.I.P. From 9:35 M to 10:10 M Hr. 35 Min. (D) 1609 P.S.I.
Tool Open F.F.P. From 10:10 M to 11:40 M 1 Hr. 30 Min. From (E) 37 P.S.I. To (F) 52 P.S.I.
Tool Closed F.C.I.P. From 11:40 M to 12:25 M Hr. 45 Min. (G) 1622 P.S.I.
Initial Hydrostatic Pressure (A) 2332 P.S.I. Final Hydrostatic Pressure (H) 2283 P.S.I.

SURFACE	Size Choke	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	<u>1/2 In.</u>	<u> </u>	<u>M.</u>	<u> </u>
	<u> </u>	<u> </u>	<u>M.</u>	<u> </u>
	<u> </u>	<u> </u>	<u>M.</u>	<u> </u>

BLOW Strong, decreasing to good steady blow. Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 90' heavy oil and gas cut mud with free oil on top of
tool. 3100' gas in pipe. Mud

Reversed Out ☒ Yes ☐ No Mud Type starch Viscosity 46 Weight 10.1 Maximum Temp. 130 °F

EXTRA EQUIPMENT: Dual Packers no Safety Joint no Jars: Size Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe ft. I.D. Drill Pipe 3 in Length Weight Pipe 1080 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 25 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date March 13, 1966 Test Ticket No. 5294
 Recorder No. 1558 Capacity 4200 Location 4355 Ft.
 Clock No. 5665 Elevation 1383 Derrick Floor Well Temperature 130 °F

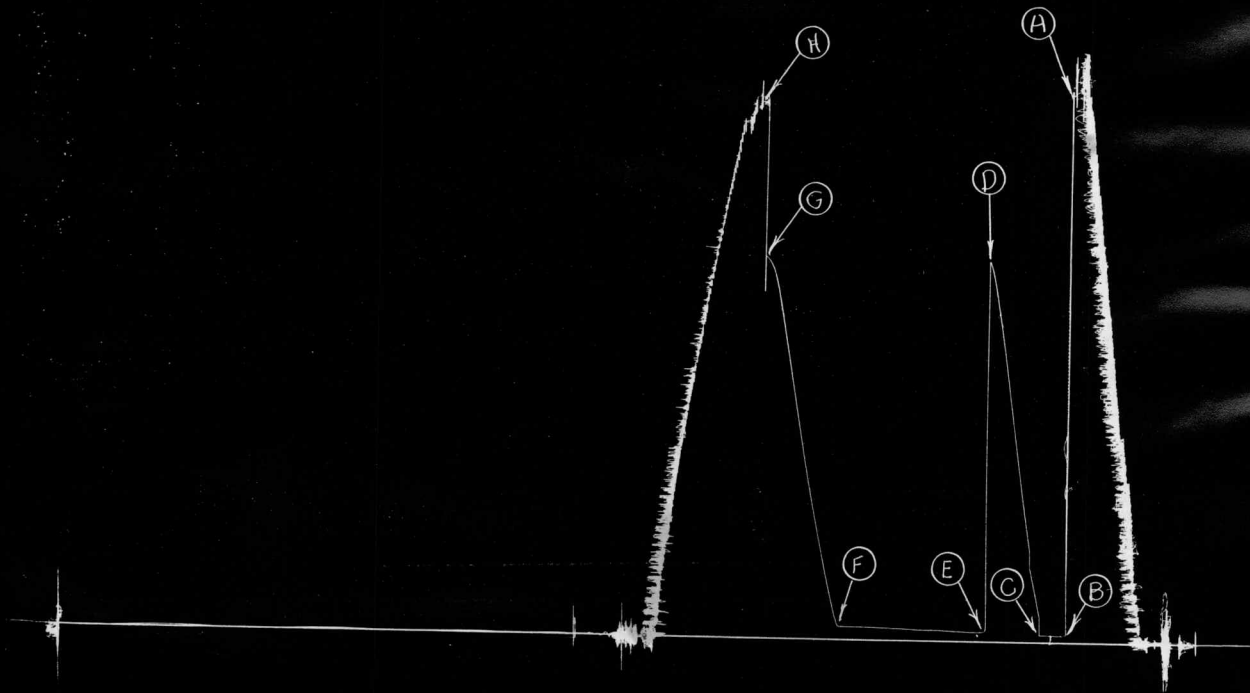
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2332</u> P.S.I.	Opened Tool	<u>9:17 A M</u>	
B First Initial Flow Pressure	<u>25</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>25</u> P.S.I.	Initial Closed-in Pressure	<u>35</u> Mins.	<u>35</u> Mins.
D Initial Closed-in Pressure	<u>1609</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>86</u> Mins.
E Second Initial Flow Pressure	<u>37</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>47</u> Mins.
F Second Final Flow Pressure	<u>52</u> P.S.I.			
G Final Closed-in Pressure	<u>1622</u> P.S.I.			
H Final Hydrostatic Mud	<u>2283</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>15</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>2</u> Min.		final inc. of <u>1</u> Min.		final inc. of <u>2</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>25</u>	<u>0</u>	<u>25</u>	<u>0</u>	<u>37</u>	<u>0</u>	<u>52</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>200</u>	<u>5</u>	<u>37</u>	<u>3</u>	<u>122</u>
P 3 <u>10</u>	<u>25</u>	<u>6</u>	<u>301</u>	<u>10</u>	<u>38</u>	<u>6</u>	<u>210</u>
P 4 <u>15</u>	<u>25</u>	<u>9</u>	<u>491</u>	<u>15</u>	<u>39</u>	<u>9</u>	<u>320</u>
P 5		<u>12</u>	<u>612</u>	<u>20</u>	<u>40</u>	<u>12</u>	<u>417</u>
P 6		<u>15</u>	<u>751</u>	<u>25</u>	<u>42</u>	<u>15</u>	<u>518</u>
P 7		<u>18</u>	<u>901</u>	<u>30</u>	<u>44</u>	<u>18</u>	<u>631</u>
P 8		<u>21</u>	<u>1050</u>	<u>35</u>	<u>45</u>	<u>21</u>	<u>747</u>
P 9		<u>24</u>	<u>1202</u>	<u>40</u>	<u>46</u>	<u>24</u>	<u>880</u>
P10		<u>27</u>	<u>1330</u>	<u>45</u>	<u>47</u>	<u>27</u>	<u>1012</u>
P11		<u>30</u>	<u>1466</u>	<u>50</u>	<u>48</u>	<u>30</u>	<u>1137</u>
P12		<u>33</u>	<u>1582</u>	<u>55</u>	<u>49</u>	<u>33</u>	<u>1263</u>
P13		<u>35</u>	<u>1609</u>	<u>60</u>	<u>50</u>	<u>36</u>	<u>1388</u>
P14				<u>65</u>	<u>51</u>	<u>39</u>	<u>1508</u>
P15				<u>70</u>	<u>51</u>	<u>42</u>	<u>1578</u>
P16				<u>75</u>	<u>51</u>	<u>45</u>	<u>1613</u>
P17				<u>80</u>	<u>52</u>	<u>47</u>	<u>1622</u>
P18				<u>85</u>	<u>52</u>		
P19				<u>86</u>	<u>52</u>		
P20							

K&E DRUG. INC.
DAVIS #1

TEST #4
TKT #5294





Home Office: Great Bend, Kansas

P. O. Box 793

SWift 3-7903

Company K. & E. Drilling Company Lease & Well No. Davis #1
Elevation 1383 Derrick Floor Formation Mississippi Ticket Number 5295
Date March 14, 1966 Sec. 16 Twp. 33 Range 6 County Harper State Kansas
Test Approved by George E. Link Western Representative George Tew

Formation Test No. 5 O.K. ☒ Misrun Interval Tested From 4360' to 4380' Total Depth 4380'
Size Main Hole 7 7/8 Rat Hole none Conv. B.T. ☒ Damaged Yes ☒ No Conv. B.T. Damaged Yes No
Packer Depth 4360 Ft. Size 6 3/4 Packer Depth Ft. Size
Straddle Yes ☒ No Conv. B.T. Damaged Yes No
Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Jt. Size 4' FH Anchor Length 20 Ft. Size 5 1/2 OD
RECORDERS Depth 4375 Ft. Clock No. 5665 Depth 4378 Ft. Clock No. 112
Top Make Kuster Cap. 4200 No. 1558 Inside Outside Bottom Make Western Cap. 4000 No. 4 Outside
Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside
Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 10:57 P M
Tool Open I.F.P. From 11:00P M to 11:15 M Hr. 15 Min. From (B) 33 P.S.I. To (C) 44 P.S.I.
Tool Closed I.C.I.P. From 11:15 M. to 12:00 M. Hr. 45 Min. (D) 1696 P.S.I.
Tool Open F.F.P. From 12:00 M. to 1:30A M. 1 Hr. 30 Min. From (E) 56 P.S.I. To (F) 99 P.S.I.
Tool Closed F.C.I.P. From 1:30A M. to 2:15A M. Hr. 45 Min. (G) 1622 P.S.I.
Initial Hydrostatic Pressure (A) 2332 P.S.I. Final Hydrostatic Pressure (H) 2307 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Good. Gas to surface in 55 minutes. Too weak to gauge. Bottom Choke Size 3/4 In.
Did Well Flow ☒ Yes No Recovery Total Ft. 200' total; 140' very heavy oil and gas cut mud; 60' thin
watery mud Mud

Reversed Out Yes ☒ No Mud Type starch Viscosity 46 Weight 10.1 Maximum Temp. 130 °F

EXTRA EQUIPMENT: Dual Packers no Safety Joint no Jars: Size Make Ser. No.

Type Circ. Sub. plug Did Tool Plug? no Where? Did Packer Hold? yes

Length Drill Pipe 3265 I.D. Drill Pipe 3 in Length Weight Pipe 1080 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ft.

I. D. Drill Collars in. Length D.S.T. Tool 35 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date March 14, 1966 Test Ticket No. 5295
 Recorder No. 1558 Capacity 4200 Location 4375 Ft.
 Clock No. 5665 Elevation 1383 Derrick Floor Well Temperature 130 °F

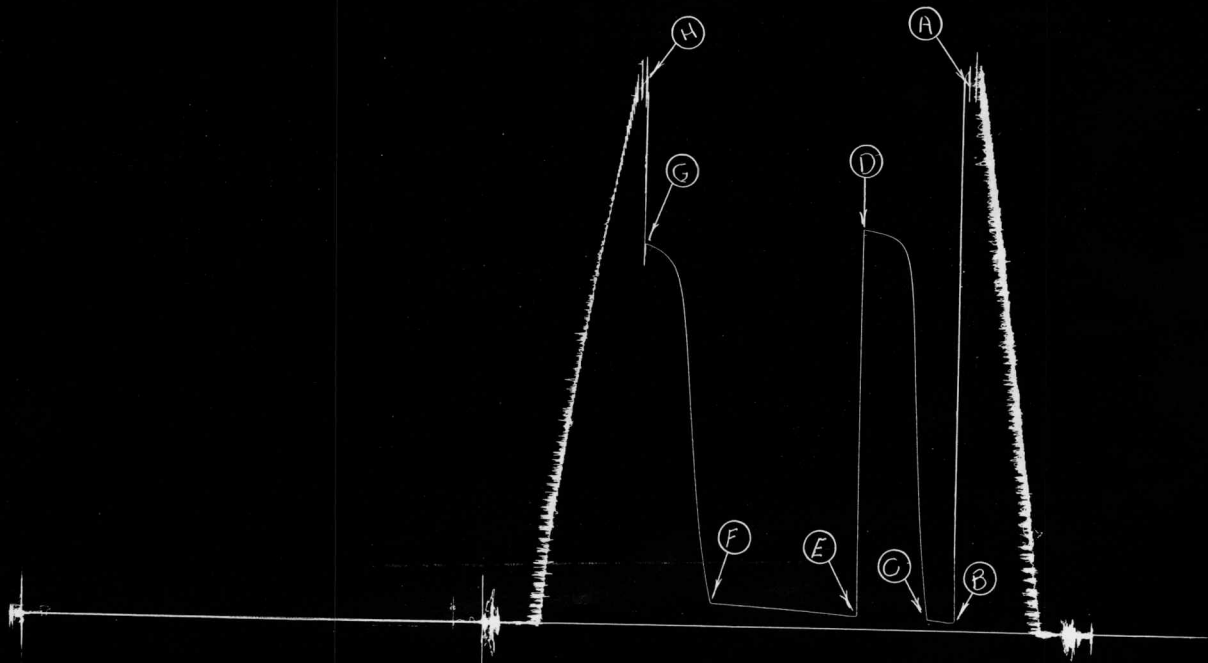
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2332</u> P.S.I.	Opened Tool	<u>10:57</u> P M	
B First Initial Flow Pressure	<u>33</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>44</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>1696</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>85</u> Mins.
E Second Initial Flow Pressure	<u>56</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>99</u> P.S.I.			
G Final Closed-in Pressure	<u>1622</u> P.S.I.			
H Final Hydrostatic Mud	<u>2307</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>15</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>Min.</u>		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>33</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>99</u>
P 2 <u>5</u>	<u>35</u>	<u>3</u>	<u>234</u>	<u>5</u>	<u>58</u>	<u>3</u>	<u>200</u>
P 3 <u>10</u>	<u>40</u>	<u>6</u>	<u>491</u>	<u>10</u>	<u>61</u>	<u>6</u>	<u>322</u>
P 4 <u>15</u>	<u>44</u>	<u>9</u>	<u>803</u>	<u>15</u>	<u>64</u>	<u>9</u>	<u>497</u>
P 5		<u>12</u>	<u>1144</u>	<u>20</u>	<u>68</u>	<u>12</u>	<u>687</u>
P 6		<u>15</u>	<u>1502</u>	<u>25</u>	<u>71</u>	<u>15</u>	<u>910</u>
P 7		<u>18</u>	<u>1607</u>	<u>30</u>	<u>73</u>	<u>18</u>	<u>1123</u>
P 8		<u>21</u>	<u>1643</u>	<u>35</u>	<u>75</u>	<u>21</u>	<u>1342</u>
P 9		<u>24</u>	<u>1660</u>	<u>40</u>	<u>80</u>	<u>24</u>	<u>1460</u>
P10		<u>27</u>	<u>1670</u>	<u>45</u>	<u>83</u>	<u>27</u>	<u>1531</u>
P11		<u>30</u>	<u>1677</u>	<u>50</u>	<u>85</u>	<u>30</u>	<u>1563</u>
P12		<u>33</u>	<u>1683</u>	<u>55</u>	<u>86</u>	<u>33</u>	<u>1584</u>
P13		<u>36</u>	<u>1689</u>	<u>60</u>	<u>88</u>	<u>36</u>	<u>1601</u>
P14		<u>39</u>	<u>1694</u>	<u>65</u>	<u>90</u>	<u>39</u>	<u>1609</u>
P15		<u>42</u>	<u>1696</u>	<u>70</u>	<u>92</u>	<u>42</u>	<u>1615</u>
P16				<u>75</u>	<u>94</u>	<u>45</u>	<u>1622</u>
P17				<u>80</u>	<u>96</u>		
P18				<u>85</u>	<u>99</u>		
P19							
P20							

K & E DRUG. INC.
DAVIS #1

TEST #5
TKT #5295





Home Office: Great Bend, Kansas
P. O. Box 793 Swift 3-7903

Company K. & E. Drilling, Inc. Lease & Well No. Davis #1
Elevation 1386 Kelly Bushings Formation Simpson Ticket Number 6149
Date March 16, 1966 Sec. 16 Twp. 32 Range 6 County Harper State Kansas
Test Approved by George E. Link Western Representative Norman Allen

Formation Test No. 7 O.K. #6 Misrun #1 Interval Tested From 4731' to 4738' Total Depth 4738'
Size Main Hole 7 7/8 Kat Hole _____ Conv. _____ B.T. X Damaged Yes no No Conv. X B.T. _____ Damaged Yes no No
Packer Depth 4726 Ft. Size 6 3/4 Packer Depth 4731 Ft. Size 6 3/4
Straddle _____ Yes _____ No No Conv. _____ B.T. _____ Damaged Yes _____ No

Packer Depth _____ Ft. Size _____
Tool Size 5 1/2 OD Tool Jt. Size 4FH & 4 1/2 FH Anchor Length 7 Ft. Size 5 1/2 OD

RECORDERS Depth 4718 AP Clock No. 4964 Depth 4737 Ft. Clock No. 149
Top Make Kuster Cap. 3150 No. 1562 ~~Inside~~ Outside Bottom Make Western Cap. 4000 No. 29 ~~Inside~~ Outside
Below Straddle: Depth _____ Clock No. _____ ~~Inside~~ Outside Depth _____ Ft. Clock No. _____ ~~Inside~~ Outside
Top Make _____ Cap. _____ No. _____ ~~Inside~~ Outside Bottom Make _____ Cap. _____ No. _____ ~~Inside~~ Outside

Time Set Packer 7:58 p M
Tool Open I.F.P. From 8:00 M to 8:15 M Hr. 15 Min. From (B) 37 P.S.I. To (C) 80 P.S.I.
Tool Closed I.C.I.P. From 8:15 M. to 9:00 M. Hr. 45 Min. (D) 1805 P.S.I.
Tool Open F.F.P. From 9:00 M. to 11:00 M. 2 Hr. Min. From (E) 124 P.S.I. To (F) 504 P.S.I.
Tool Closed F.C.I.P. From 11:00 M. to 11:45 M. Hr. 45 Min. (G) 1805 P.S.I.
Initial Hydrostatic Pressure (A) 2467 P.S.I. Final Hydrostatic Pressure (H) 2459 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____

BLOW Fair blow throughout test. Bottom Choke Size 3/4 In.

Did Well Flow Yes No No Recovery Total Ft. 1050' ft. slightly muddy salt water
_____ Mud

Reversed Out Yes No No Mud Type salt Viscosity 42 Weight 9.7 Maximum Temp. 142 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make _____ Ser. No. _____

Type Circ. Sub. pin Did Tool Plug? no Where? _____ Did Packer Hold? yes

Length Drill Pipe 3568 ft. I.D. Drill Pipe 2.34 Length Weight Pipe 1140 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 30 ft.

Remarks DST #6 Misrun, packer seat failure @4733' to 4738'

WESTERN TESTING CO., INC. Pressure Data

Date March 16, 1966

Recorder No. 1562

Capacity 3150

Test Ticket No. 6149

Clock No. 4964

Elevation 1386 Kelly Bushings

Location 4718 Ft.

Well Temperature 142 °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>2467</u>	P.S.I.
B First Initial Flow Pressure	<u>37</u>	P.S.I.
C First Final Flow Pressure	<u>80</u>	P.S.I.
D Initial Closed-in Pressure	<u>1805</u>	P.S.I.
E Second Initial Flow Pressure	<u>124</u>	P.S.I.
F Second Final Flow Pressure	<u>504</u>	P.S.I.
G Final Closed-in Pressure	<u>1805</u>	P.S.I.
H Final Hydrostatic Mud	<u>2459</u>	P.S.I.

Opened Tool

First Flow Pressure

Initial Closed-in Pressure

Second Flow Pressure

Final Closed-in Pressure

Time Given

Time Computed

7:58 PM

15 Mins. 15 Mins.

45 Mins. 42 Mins.

120 Mins. 115 Mins.

45 Mins. 44 Mins.

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: 3 Inc.

of 5 mins. and a

final inc. of 0 Min.

Initial Shut-In

Breakdown: 14 Inc.

of 3 mins. and a

final inc. of 0 Min.

Second Flow Pressure

Breakdown: 23 Inc.

of 5 mins. and a

final inc. of 0 Min.

Final Shut-In

Breakdown: 14 Inc.

of 3 mins. and a

final inc. of 2 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>37</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>124</u>	<u>0</u>	<u>504</u>
P 2 <u>5</u>	<u>45</u>	<u>3</u>	<u>1796</u>	<u>5</u>	<u>127</u>	<u>3</u>	<u>1799</u>
P 3 <u>10</u>	<u>65</u>	<u>6</u>	<u>1804</u>	<u>10</u>	<u>139</u>	<u>6</u>	<u>1804</u>
P 4 <u>15</u>	<u>80</u>	<u>9</u>	<u>1805</u>	<u>15</u>	<u>160</u>	<u>9</u>	<u>1805</u>
<u>5</u>		<u>12</u>	<u>1805</u>	<u>20</u>	<u>177</u>	<u>12</u>	<u>1805</u>
<u>6</u>		<u>15</u>	<u>1805</u>	<u>25</u>	<u>199</u>	<u>15</u>	<u>1805</u>
<u>7</u>		<u>18</u>	<u>1805</u>	<u>30</u>	<u>220</u>	<u>18</u>	<u>1805</u>
<u>8</u>		<u>21</u>	<u>1805</u>	<u>35</u>	<u>237</u>	<u>21</u>	<u>1805</u>
<u>9</u>		<u>24</u>	<u>1805</u>	<u>40</u>	<u>258</u>	<u>24</u>	<u>1805</u>
<u>10</u>		<u>27</u>	<u>1805</u>	<u>45</u>	<u>275</u>	<u>27</u>	<u>1805</u>
<u>11</u>		<u>30</u>	<u>1805</u>	<u>50</u>	<u>291</u>	<u>30</u>	<u>1805</u>
<u>12</u>		<u>33</u>	<u>1805</u>	<u>55</u>	<u>308</u>	<u>33</u>	<u>1805</u>
<u>13</u>		<u>36</u>	<u>1805</u>	<u>60</u>	<u>326</u>	<u>36</u>	<u>1805</u>
<u>14</u>		<u>39</u>	<u>1805</u>	<u>65</u>	<u>340</u>	<u>39</u>	<u>1805</u>
<u>15</u>		<u>42</u>	<u>1805</u>	<u>70</u>	<u>357</u>	<u>42</u>	<u>1805</u>
<u>16</u>				<u>75</u>	<u>375</u>	<u>44</u>	<u>1805</u>
<u>17</u>				<u>80</u>	<u>390</u>		
<u>18</u>				<u>85</u>	<u>409</u>		
<u>19</u>				<u>90</u>	<u>427</u>		
<u>20</u>				<u>95</u>	<u>444</u>		
				<u>100</u>	<u>462</u>		
				<u>105</u>	<u>477</u>		
				<u>110</u>	<u>492</u>		
				<u>115</u>	<u>504</u>		

K&E DRUG. INC.
DAVIS #1

TEST #7
TKT #6149

