



P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

WESTERN TESTING CO., INC. 36-22-125

FORMATION TESTING

TICKET 18786

Formation Viola Elevation 1076 KB Eff. Pay --- Ft.

District Augusta

Date 8-24-73

Customer Order No. ---

COMPANY NAME K.E. Snyder

ADDRESS Box 107 Hamlington Ks 66853

LEASE AND WELL NO. Christie #3

COUNTY Greenwood STATE Ks

Sec. 36 Twp. 22 Rge. 12

Mail Inv. To Same

As

Address Above

No. Copies Requested Req

Co. Name N

Address 11

Mail Charts To N

Address 11

No. Copies Requested Req

Formation Test No. 1 O.K. ✓ Misrun --- Interval Tested From 2126 to 2144 Total Depth 2144

Size Main Hole 7 7/8 Rat Hole --- Conv. ✓ B.T. --- Damaged --- Yes --- No --- B.T. --- Damaged --- Yes --- No ---

Packer Depth 2126 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 00 Tool Jt. Size 4 1/2 FH Anchor Length 18' Ft. Size 5 1/2 00

RECORDERS Depth 2136 Ft. Clock No. 6895 Depth 2139 Ft. Clock No. 6899

Top Make Kuster Cap. 4000 No. 3659 Inside --- Bottom Make Kuster Cap. 4000 No. 3659 Inside ---

Below Straddle: Depth --- Clock No. --- Outside --- Depth --- Ft. Clock No. --- Outside ---

Top Make --- Cap. --- No. --- Inside --- Bottom Make --- Cap. --- No. --- Inside ---

Time Set Packer 3574 M

Tool Open I.F.P. From 4:00 AM to 4:30 M. --- Hr. 30 Min. From (B) 44 P.S.I. To (C) 10 16 P.S.I.

Tool Closed I.C.I.P. From 4:30 M. to 5:00 M. --- Hr. 30 Min. (D) --- P.S.I. ---

Tool Open F.F.P. From 5:00 M. to 6:00 M. --- Hr. 60 Min. From (E) 10 16 16 P.S.I. To (F) 10 16 P.S.I.

Tool Closed F.C.I.P. From 6:00 M. to 7:00 M. --- Hr. 60 Min. (G) 10 16 P.S.I. ---

Initial Hydrostatic Pressure (A) 1096 1136 P.S.I. Final Hydrostatic Pressure (H) 1080 1087 P.S.I.

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

INFORMATION --- M. ---

--- M. ---

--- M. ---

BLOW Weak For 10 minn Died Flushed Tool Few Bubbles Died Bottom Choke Size 3/4 In.

Did Well Flow --- Yes --- No --- Recovery Total Ft. 8 inches Sli Oil Cut Mud

Reversed Out --- Yes --- No --- Mud Type Chem Viscosity 80 Weight 10. Water Loss 11. cc. Maximum Temp 121 °F

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

EXTRA EQUIPMENT: Dual Packers 1 Did Packer Hold? Yes Did Tool Plug? NO Where? ---

Length Drill Pipe 1828 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe --- ft. I.D. Weight Pipe --- in. Length Drill Collars 281 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 35 ft.

Remarks ---

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage 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, or 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 60 interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Blair A Roach

Signature of Customer or his
Authorized Representative

Western Representative Luy Mack Knipe

Operator's Time --- Hrs.

INVOICE SECTION

Open Hole Test \$ 240.00
Straddle Test \$ ---
Jars \$ ---
Selective Zone \$ ---
Safety Joint \$ ---
Misrun \$ ---
Evaluation \$ ---
Total \$ 240.00

WESTERN TESTING CO., INC.

Pressure Data

Date 8-27-73 Test Ticket No. 18786
 Recorder No. 3659 Capacity 4000 Location 2136 Ft.
 Clock No. 6895 Elevation 1076 RB Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1130</u>	P.S.I.	<u>3:57 A</u>	<u>10:30 A</u>
B First Initial Flow Pressure	<u>4</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>16</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>16</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>16</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>16</u>	P.S.I.		
G Final Closed-in Pressure	<u>16</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1087</u>	P.S.I.		

K. G. S. LIBRARY

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
of	mins. and a	of	mins. and a	of	mins. and a	of	mins. and a
final inc. of	Min.	final inc. of	Min.	final inc. of	Min.	final inc. of	Min.
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>4</u>	<u>0</u>	<u>16</u>	<u>0</u>	<u>16</u>	<u>0</u>	<u>16</u>
P 2 <u>5</u>	<u>4</u>	<u>3</u>		<u>05</u>		<u>3</u>	
P 3 <u>10</u>	<u>6</u>	<u>6</u>		<u>10</u>		<u>6</u>	
P 4 <u>15</u>	<u>6</u>	<u>9</u>		<u>15</u>		<u>9</u>	
P 5 <u>20</u>	<u>6</u>	<u>12</u>		<u>20</u>		<u>12</u>	
P 6 <u>25</u>	<u>6</u>	<u>15</u>		<u>25</u>		<u>15</u>	
P 7 <u>30</u>	<u>16</u>	<u>18</u>		<u>30</u>		<u>18</u>	
P 8		<u>21</u>		<u>35</u>		<u>21</u>	
P 9		<u>24</u>		<u>40</u>		<u>24</u>	
P 10		<u>27</u>		<u>45</u>		<u>27</u>	
P 11		<u>30</u>	<u>16</u>	<u>50</u>		<u>30</u>	
P 12		<u>33</u>		<u>55</u>		<u>33</u>	
P 13		<u>36</u>		<u>60</u>	<u>16</u>	<u>36</u>	
P 14		<u>39</u>		<u>65</u>		<u>39</u>	
P 15		<u>42</u>		<u>70</u>		<u>42</u>	
P 16				<u>75</u>		<u>45</u>	
P 17				<u>80</u>		<u>48</u>	
P 18				<u>85</u>		<u>51</u>	
P 19						<u>54</u>	
P 20						<u>57</u>	
						<u>60</u>	<u>16</u>



P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

WESTERN TESTING CO., INC. 36-22-128

FORMATION TESTING

TICKET 18787

Formation Viola Elevation 1016 K.B. Eff. Pay - Ft.

District Augusta

Date 8-24-73

Customer Order No. -

COMPANY NAME K.E. Snyder

ADDRESS Box 107 Hamlington Ks

6685

LEASE AND WELL NO. Christie #3

COUNTY Greenwood STATE Ks

Sec. 36 Twp. 22 Rge. 12E

Mail Inv. To Some #5

Address #600

No. Copies Requested Rec

Co. Name "

Address "

No. Copies Requested Rec

Formation Test No. 778 O.K. ☒ Misrun ☐ Interval Tested From 2143 to 2150 Total Depth 2150

Size Main Hole 7 7/8 Rat Hole - Conv. ☒ B.T. ☐ Damaged ☐ Yes ☐ No Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No

Packer Depth 2143 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 F.H. Anchor Length 7' Ft. Size 8 1/2 OD

RECORDERS Depth 2133 Ft. Clock No. 6895 Depth 2145 Ft. Clock No. 6899

Top Make Kuster Cap. 4000 No. 3659 Inside Outside Bottom Make Kuster Cap. 4000 No. 3660 Inside Outside

Below Straddle: Depth - Clock No. - Outside Inside Depth - Ft. Clock No. - Outside Inside

Top Make - Cap. - No. - Outside Inside Bottom Make - Cap. - No. - Outside Inside

Time Set Packer 4:32 P M

Tool Open I.F.P. From 4:35 M. to 5:05 M. Hr. 30 Min. From (B) 4 10 P.S.I. To (C) 6 12 P.S.I.

Tool Closed I.C.I.P. From 5:05 M. to 5:35 M. Hr. 30 Min. (D) 140 163 P.S.I.

Tool Open F.F.P. From 5:35 M. to 6:05 M. Hr. 30 Min. From (E) 8 14 P.S.I. To (F) 8 17 P.S.I.

Tool Closed F.C.I.P. From 6:05 M. to 6:35 M. Hr. 30 Min. (G) 130 146 P.S.I.

Initial Hydrostatic Pressure (A) 1100 1122 P.S.I. Final Hydrostatic Pressure (H) 1060 1077 P.S.I.

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

INFORMATION - M. - M. - M.

BLOW Weak for 2 minn Died. Flushed Tool Few Bubbles Died Bottom Choke Size 3/4 In.

Did Well Flow Yes No Recovery Total Ft. 8 Oil Cut Mud

Reversed Out ☒ Yes ☐ No Mud Type Chum Viscosity 80 Weight 10 Water Loss 11 cc. Maximum Temp 120 °F

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

EXTRA EQUIPMENT: Dual Packers 1 Did Packer Hold? Yes Did Tool Plug? - Where? -

Length Drill Pipe 1840 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe - ft. I.D. Weight Pipe - in. Length Drill Collars 281 ft.

I. D. Drill Collars 2 1/4 in. Length D.S.T. Tool 29 ft.

Remarks -

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage 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, or 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 6% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Clark A. Roach

Signature of Customer or his Authorized Representative

Western Representative Larry Max Knipe

Operator's Time - Hrs.

INVOICE SECTION

Open Hole Test \$240.00
Straddle Test \$-
Jars \$-
Selective Zone \$-
Safety Joint \$-
Misrun \$-
Evaluation \$-
Total \$240.00

WESTERN TESTING CO., INC.

Pressure Data

Date 8-27-73 Test Ticket No. 18787
 Recorder No. 3659 Capacity 4000 Location 2133 Ft.
 Clock No. 6895 Elevation 1016 KB Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1122</u>	P.S.I.	<u>4:35</u>	
B First Initial Flow Pressure	<u>10</u>	P.S.I.	<u>30</u>	<u>30</u>
C First Final Flow Pressure	<u>12</u>	P.S.I.	<u>30</u>	<u>30</u>
D Initial Closed-in Pressure	<u>163</u>	P.S.I.	<u>30</u>	<u>30</u>
E Second Initial Flow Pressure	<u>14</u>	P.S.I.	<u>30</u>	<u>30</u>
F Second Final Flow Pressure	<u>17</u>	P.S.I.		
G Final Closed-in Pressure	<u>146</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1077</u>	P.S.I.		

K. G. S. LIBRARY

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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.	
P 1 <u>0</u>	<u>10</u>	<u>0</u>	<u>12</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>17</u>
P 2 <u>5</u>	<u>10</u>	<u>3</u>	<u>14</u>	<u>05</u>	<u>14</u>	<u>3</u>	<u>20</u>
P 3 <u>10</u>	<u>10</u>	<u>6</u>	<u>17</u>	<u>10</u>	<u>14</u>	<u>6</u>	<u>23</u>
P 4 <u>15</u>	<u>12</u>	<u>9</u>	<u>21</u>	<u>15</u>	<u>14</u>	<u>9</u>	<u>25</u>
P 5 <u>20</u>	<u>12</u>	<u>12</u>	<u>26</u>	<u>20</u>	<u>Flush tool</u>	<u>12</u>	<u>32</u>
P 6 <u>25</u>	<u>12</u>	<u>15</u>	<u>37</u>	<u>25</u>	<u>17</u>	<u>15</u>	<u>41</u>
P 7 <u>30</u>	<u>12</u>	<u>18</u>	<u>48</u>	<u>30</u>	<u>17</u>	<u>18</u>	<u>51</u>
P 8		<u>21</u>	<u>61</u>	<u>35</u>		<u>21</u>	<u>65</u>
P 9		<u>24</u>	<u>82</u>	<u>40</u>		<u>24</u>	<u>85</u>
P10		<u>27</u>	<u>111</u>	<u>45</u>		<u>27</u>	<u>108</u>
P11		<u>30</u>	<u>163</u>	<u>50</u>		<u>30</u>	<u>146</u>
P12		<u>33</u>		<u>55</u>		<u>33</u>	
P13		<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16				<u>75</u>		<u>45</u>	
P17				<u>80</u>		<u>48</u>	
P18				<u>85</u>		<u>51</u>	
P19						<u>54</u>	
P20						<u>59</u>	