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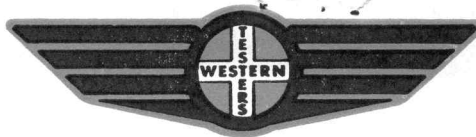
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Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Holland B-1
Elevation 1386 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 20731
Date 7-1-75 Sec. 6 Twp. 33S Range 6W County Harper State Kansas
Test Approved by R.B. Gebhart Western Representative Guy M. Knipe
Formation Test No. 1 O.K. X Misrun - Interval Tested From 3988' to 4034' Total Depth 4034'
Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No
Top Packer Depth 3983 Ft. Size 6 3/4 Bottom Packer Depth 3988 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 4 1/2 Tool Joint Size 5 1/2 Anchor Length 46 Ft. Size 5 1/2 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4026 Ft. Clock No. 6897 Depth 4029 Ft. Clock No. 9712
Top Make Kuster Cap. 6200 No. 1563 Inside - Outside - Bottom Make Kuster Cap. 6600 No. 1564 Inside - Outside -
Below Straddle: Depth - Rec. No. - Clock No. - Inside - Outside - Depth - Ft. Rec. No. - Clock No. - Inside - Outside -
Time Set Packer 11:28 A M
Tool Open I.F.P. From 11:30A M. to 12:05P M. - Hr. 30 Min. From (B) 72 P.S.I. To (C) 72 P.S.I.
Tool Closed I.C.I.P. From 12:05P M. to 12:35P M. - Hr. 30 Min (D) 167 P.S.I.
Tool Open F.F.P. From 12:35P M. to 2:05P M. - Hr. 90 Min. From (E) 75 P.S.I. To (F) 78 P.S.I.
Tool Closed F.C.I.P. From 2:05P M. to 3:05P M. - Hr. 60 Min. (G) 1313 P.S.I.
Initial Hydrostatic Pressure (A) 2141 P.S.I. Final Hydrostatic Pressure (H) 2113 P.S.I. Maximum Temp. 134

INFORMATION

BLOW Fair blow throughout test.
Did Well Flow - Yes No Recovery Total Ft. 45' mud with show of oil on top.
Reversed Out - Yes X No Mud Type Starch Viscosity 49 Weight 95 Water Loss 18.8 cc. Chlorides 58,000 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 Pickrell Drilling Co. Length Drill Pipe? 3968 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars - Ft. I.D. Drill Collars - In.
Tool Joint Size - In. Length D.S.T. Tool 66 Ft.
Remarks: Tool movement on final shut-in period, causing fluid to compress below packers creating false pressure. First test was misrun, could not get tool to bottom. (There was no charge).

WESTERN TESTING CO., INC.

Pressure Data

Date 7-1-75 Recorder No. 1563 Capacity 6200 Test Ticket No. 20731
 Clock No. 6897 Elevation 1394 Kelly Bushing-1391 Ground Level Location 4026 Ft.
 Well Temperature 134 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2141</u>	P.S.I.	<u>11:28 A</u>	
B First Initial Flow Pressure	<u>72</u>	P.S.I.	<u>30</u>	<u>30</u>
C First Final Flow Pressure	<u>72</u>	P.S.I.	<u>30</u>	<u>30</u>
D Initial Closed-in Pressure	<u>167</u>	P.S.I.	<u>90</u>	<u>90</u>
E Second Initial Flow Pressure	<u>75</u>	P.S.I.	<u>60</u>	<u>60</u>
F Second Final Flow Pressure	<u>78</u>	P.S.I.		
G Final Closed-in Pressure	<u>1313</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2113</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>20</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>72</u>	<u>0</u>	<u>72</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>78</u>
P 2 <u>5</u>	<u>72</u>	<u>3</u>	<u>72</u>	<u>5</u>	<u>75</u>	<u>3</u>	<u>82</u>
P 3 <u>10</u>	<u>72</u>	<u>6</u>	<u>75</u>	<u>10</u>	<u>75</u>	<u>6</u>	<u>82</u>
P 4 <u>15</u>	<u>72</u>	<u>9</u>	<u>75</u>	<u>15</u>	<u>75</u>	<u>9</u>	<u>84</u>
P 5 <u>20</u>	<u>72</u>	<u>12</u>	<u>76</u>	<u>20</u>	<u>75</u>	<u>12</u>	<u>400</u>
P 6 <u>25</u>	<u>72</u>	<u>15</u>	<u>82</u>	<u>25</u>	<u>75</u>	<u>15</u>	<u>561</u>
P 7 <u>30</u>	<u>72</u>	<u>18</u>	<u>90</u>	<u>30</u>	<u>57</u>	<u>18</u>	<u>640</u>
P 8		<u>21</u>	<u>103</u>	<u>35</u>	<u>75</u>	<u>21</u>	<u>750</u>
P 9		<u>24</u>	<u>117</u>	<u>40</u>	<u>75</u>	<u>24</u>	<u>823</u>
P10		<u>27</u>	<u>153</u>	<u>45</u>	<u>75</u>	<u>27</u>	<u>889</u>
P11		<u>30</u>	<u>167</u>	<u>50</u>	<u>75</u>	<u>30</u>	<u>953</u>
P12				<u>55</u>	<u>75</u>	<u>33</u>	<u>1028</u>
P13				<u>60</u>	<u>75</u>	<u>36</u>	<u>1093</u>
P14				<u>65</u>	<u>76</u>	<u>39</u>	<u>1121</u>
P15				<u>70</u>	<u>76</u>	<u>42</u>	<u>1159</u>
P16				<u>75</u>	<u>77</u>	<u>45</u>	<u>1199</u>
P17				<u>80</u>	<u>77</u>	<u>48</u>	<u>1229</u>
P18				<u>85</u>	<u>78</u>	<u>51</u>	<u>1261</u>
P19				<u>90</u>	<u>78</u>	<u>54</u>	<u>1277</u>
P20						<u>57</u>	<u>1304</u>
						<u>60</u>	<u>1313</u>

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Home Office: Great Bend, Kansas

P. O. Box 793 (316) 793-7903

Company Pickrell Drilling Co. Lease & Well No. Holland B-1
Elevation 1394 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 20732
1391 Derrick Floor
Date 7-4-75 Sec. 6 Twp. 33S Range 6W County Harper State Kansas
Test Approved by E.B. Gebhart Jr. Western Representative Guy M. Knipe
Formation Test No. 2 O.K. X Misrun - Interval Tested From 4481' to 4495' Total Depth 4495'
Size Main Hole 7 7/8 Rat Hole - Conv. - B.T. X Damaged - Yes X No Conv. - B.T. X Damaged - Yes X No
Top Packer Depth 4476 Ft. Size 6 3/4 Bottom Packer Depth 4481 Ft. Size 6 3/4
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 5-00 Tool Joint Size 4-1/2 Anchor Length 14 Ft. Size 5-00 Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4387 Ft. Clock No. 6897 Depth 4490 Ft. Clock No. 9712
Top Make Kuster Cap. 6200 No. 1563 Inside Outside Bottom Make Kuster Cap. 6600 No. 1564 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
Time Set Packer 1:58 A M
Tool Open I.F.P. From 2:00A M. to 2:30A M. - Hr. 30 Min. From (B) 69 P.S.I. To (C) 60 P.S.I.
Tool Closed I.C.I.P. From 2:30A M. to 3:00A M. - Hr. 30 Min (D) 636 P.S.I.
Tool Open F.F.P. From 3:00A M. to 4:30A M. - Hr. 90 Min. From (E) 62 P.S.I. To (F) 62 P.S.I.
Tool Closed F.C.I.P. From 4:30A M. to 5:30A M. - Hr. 60 Min. (G) 1473 P.S.I.
Initial Hydrostatic Pressure (A) 2482 P.S.I. Final Hydrostatic Pressure (H) 2423 P.S.I. Maximum Temp. 142

INFORMATION

BLOW Good blow throughout test.

Did Well Flow - Yes X No Recovery Total Ft. 30' gas cut mud, 2605' weak smelling gas.

Reversed Out - Yes X No Mud Type Starch Viscosity 47 Weight 9.6 Water Loss 16.8 cc. Chlorides 51,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint - Jars: Size 4 3/4 In. Make WTC Ser. No. 402

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

DRILLING CONTRACTOR Pickrell Drilling Co. Length Drill Pipe 4453 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4-1/2 In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars - Ft. I.D. Drill Collars - In.

Tool Joint Size - In. Length D.S.T. Tool 42 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 7-4-75 Test Ticket No. 20732
 Recorder No. 6897 Capacity 6200 Location 4387 Ft.
 Clock No. 6897 Elevation 1394 Kelly Bushing-1391 Derrick Floor Well Temperature 142 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2482</u> P.S.I.	Open Tool	<u>1:58 P</u> M	
B First Initial Flow Pressure	<u>69</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>60</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>636</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>85</u> Mins.
E Second Initial Flow Pressure	<u>62</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>62</u> P.S.I.			
G Final Closed-in Pressure	<u>1473</u> P.S.I.			
H Final Hydrostatic Mud	<u>2423</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>17</u> Inc.		Breakdown: <u>19</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>69</u>	<u>0</u>	<u>60</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>62</u>
P 2 <u>5</u>	<u>63</u>	<u>3</u>	<u>104</u>	<u>5</u>	<u>62</u>	<u>3</u>	<u>145</u>
P 3 <u>10</u>	<u>60</u>	<u>6</u>	<u>157</u>	<u>10</u>	<u>62</u>	<u>6</u>	<u>267</u>
P 4 <u>15</u>	<u>60</u>	<u>9</u>	<u>217</u>	<u>15</u>	<u>62</u>	<u>9</u>	<u>380</u>
P 5 <u>20</u>	<u>60</u>	<u>12</u>	<u>274</u>	<u>20</u>	<u>62</u>	<u>12</u>	<u>473</u>
P 6 <u>25</u>	<u>60</u>	<u>15</u>	<u>400</u>	<u>25</u>	<u>62</u>	<u>15</u>	<u>602</u>
P 7		<u>18</u>	<u>447</u>	<u>30</u>	<u>62</u>	<u>18</u>	<u>746</u>
P 8		<u>21</u>	<u>542</u>	<u>35</u>	<u>62</u>	<u>21</u>	<u>785</u>
P 9		<u>24</u>	<u>580</u>	<u>40</u>	<u>62</u>	<u>24</u>	<u>877</u>
P10		<u>27</u>	<u>636</u>	<u>45</u>	<u>62</u>	<u>27</u>	<u>1015</u>
P11				<u>50</u>	<u>62</u>	<u>30</u>	<u>1033</u>
P12				<u>55</u>	<u>62</u>	<u>33</u>	<u>1146</u>
P13				<u>60</u>	<u>62</u>	<u>36</u>	<u>1202</u>
P14				<u>65</u>	<u>62</u>	<u>39</u>	<u>1261</u>
P15				<u>70</u>	<u>62</u>	<u>42</u>	<u>1314</u>
P16				<u>75</u>	<u>62</u>	<u>45</u>	<u>1355</u>
P17				<u>80</u>	<u>62</u>	<u>48</u>	<u>1389</u>
P18				<u>85</u>	<u>62</u>	<u>51</u>	<u>1426</u>
P19						<u>54</u>	<u>1454</u>
P20						<u>57</u>	<u>1473</u>



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

24223

P. O. BOX 793 PHONE 793-7903

GREAT BEND, KANSAS

Formation _____ Elevation _____ Eff. Pay _____ Ft.

District

Augusta

Date

7-6-75

Customer Order No.

COMPANY NAME

Pickrell Dalg Co.

ADDRESS

705 4th Nat. Bank Wichita, KS 67202

LEASE AND WELL NO.

Holland B-1

COUNTY

Harper

STATE

KS

Sec.

6

Twp.

33S

Rge.

6W

Mail Inv. To

Co. Name

Same

Address

No. Copies Requested

usual

Mail Charts To

Co. Name

Same

Address

No. Copies Requested

usual

Formation Test No. _____ O.K. _____ Misrun _____ Interval Tested From _____ to _____ Total Depth _____
Size Main Hole _____ Rat Hole _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
Top Packer Depth _____ Ft. Size _____ Bottom Packer Depth _____ Ft. Size _____
Straddle _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____ Packer Depth _____ Ft. Size _____
Tool Size _____ Tool Joint Size _____ Anchor Length _____ Ft. Size _____ Surface Choke Size _____ In. Bottom Choke Size _____ In. _____

RECORDERS Depth _____ Ft. Clock No. _____ Inside _____
Top Make _____ Cap. _____ No. _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Outside _____
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____
Depth _____ Ft. Rec. No. _____ Clock No. _____ Outside _____

Time Set Packer _____ M
Tool Open I.F.P. From _____ M. to _____ M. Hr. _____ Min. From (B) _____ P.S.I. To (C) _____ P.S.I.
Tool Closed I.C.I.P. From _____ M. to _____ M. Hr. _____ Min. (D) _____ P.S.I.
Tool Open F.F.P. From _____ M. to _____ M. Hr. _____ Min. From (E) _____ P.S.I. To (F) _____ P.S.I.
Tool Closed F.C.I.P. From _____ M. to _____ M. Hr. _____ Min. (G) _____ P.S.I.
Initial Hydrostatic Pressure (A) _____ P.S.I. Final Hydrostatic Pressure (H) _____ P.S.I. Maximum Temp. _____

INFORMATION

BLOW

Did Well Flow _____ Yes _____ No _____ Recovery Total Ft. _____

Reversed Out _____ Yes _____ No _____ Mud Type _____ Viscosity _____ Weight _____ Water Loss _____ cc. Chlorides _____
EXTRA EQUIPMENT: Type Circ. Sub. _____ Safety Joint _____ Jars: Size _____ In. Make _____ Ser. No. _____
Dual Packers _____ Did Packers Hold? _____ Did Tool Plug? _____ Where? _____

DRILLING CONTRACTOR _____ Length Drill Pipe _____ 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 _____ ft. I.D. Drill Collars _____ In.
Tool Joint Size _____ In. Length D.S.T. Tool _____ ft.

Remarks standby for DST #3

RECEIVED
JUL 8 1975

INVOICE SECTION

Open Hole Test	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Misrun	\$
Evaluation	\$
Packer	\$
Circ. Sub.	\$
standby	\$ 150.00
Total	\$ 150.00

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 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By

Signature of Customer or his
Authorized Representative

Western Representative

Forest Purnell

Operator's Time

Hrs.