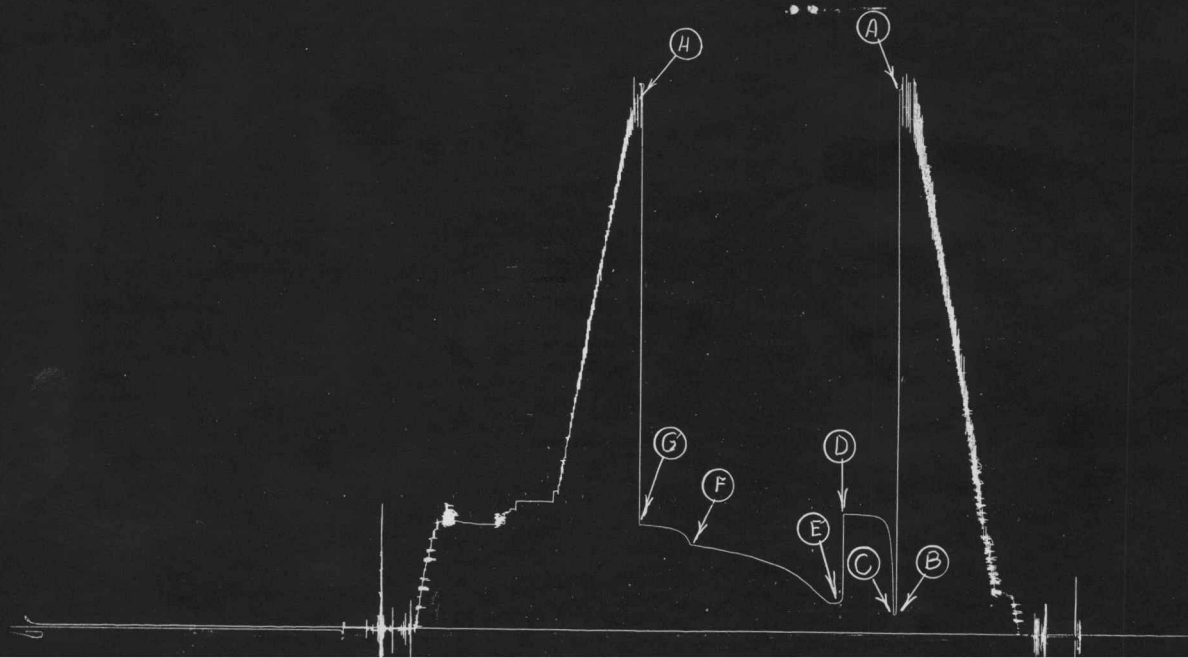


Pickrell Drilg. Co.
Lewis Wildgen #A-3

Test #1
TKT#3748





Home Office: Great Bend, Kansas

P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Lewis Wildgen A#3
Elevation 2578 D. F. Ticket Number 3748
Date June 6, 1964 Sec. 31 Twp. 16s Range 25w County Ness State Kansas
Test Approved by Ralph W. Ruwwe Western Representative Jack Toelkes

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 4366' to 4418' Total Depth 4418'
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. ☒ Damaged Yes ☒ No _____ Conv. ☒ B.T. ☒ Damaged Yes ☒ No _____
Packer Depth 4361 Ft. Size 6 3/4 Packer Depth 4366 Ft. Size 6 3/4
Straddle Yes ☒ No _____ Conv. _____ B.T. _____ Damaged Yes _____ No _____
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2 O. D. Tool Jt. Size 4 1/2 F. H/ Anchor Length 52' Ft. Size 30" D. C. 22' 5 1/2 O. D.

RECORDERS Depth 4379 Ft. Clock No. 6892 Depth 4382 Ft. Clock No. 147
Top Make Amarada Cap. 4382 No. 1567 Inside _____ Outside _____ Bottom Make Western Cap. 4000 No. 57 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 4:26 P M
Tool Open I.F.P. From 4:28 P M to 4:30 P M Hr. 2 Min. From (B) 86 P.S.I. To (C) 86 P.S.I.
Tool Closed I.C.I.P. From 4:30 P M. to 5:00 M. Hr. 30 Min. (D) 530 P.S.I.
Tool Open F.F.P. From 5:00 M. to 6:30 P M. 1 Hr. 30 Min. From (E) 131 P.S.I. To (F) 380 P.S.I.
Tool Closed F.C.I.P. From 6:30 P M. to 7:00 M. Hr. 30 Min. (G) 467 P.S.I.
Initial Hydrostatic Pressure (A) 2337 P.S.I. Final Hydrostatic Pressure (H) 2328 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. 43 Gr. Corr.
_____ M. _____
BLOW Strong Bottom Choke Size 3/4 in.

Did Well Flow ☒ Yes ☒ No Recovery Total Ft. G. T. S. 1 hour T. S. T. M 1058' Free gassy oil
120' muddly gassy oil Mud _____
Reversed Out ☒ Yes ☒ No Mud Type starch Viscosity 45 Weight 10.2 Maximum Temp. 118 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Jars: Size _____ Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
Length Drill Pipe 3477 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D. S. T. Tool 71 ft.

Remarks

WESTERN TESTING CO., INC. Pressure Data

Date June 6, 1964 Test Ticket No. 3748
Recorder No. 1567 Capacity 4300 Location 4379 Ft.
Clock No. 6892 Elevation 2578 Derrick Floor Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2337</u> P.S.I.	Opened Tool	<u>4:26 P</u> M	
B First Initial Flow Pressure	<u>86</u> P.S.I.	First Flow Pressure	<u>2</u> Mins.	
C First Final Flow Pressure	<u>86</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	
D Initial Closed-in Pressure	<u>530</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	
E Second Initial Flow Pressure	<u>131</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	
F Second Final Flow Pressure	<u>380</u> P.S.I.			
G Final Closed-in Pressure	<u>467</u> P.S.I.			
H Final Hydrostatic Mud	<u>2328</u> P.S.I.			

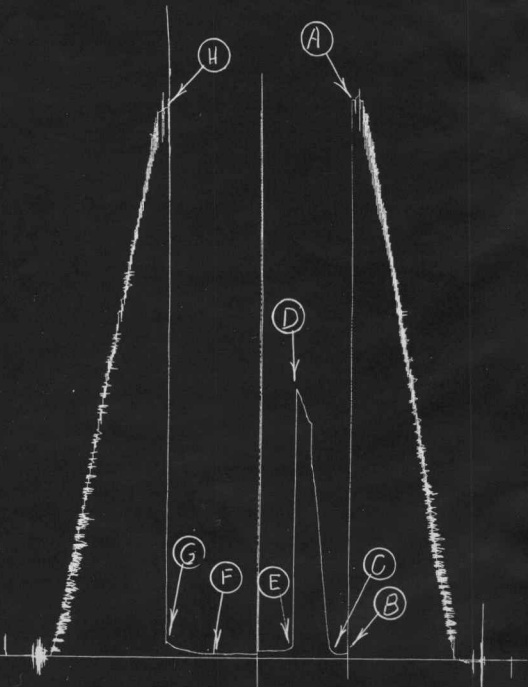
PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc.	Breakdown: _____ Inc.	Breakdown: _____ Inc.	Breakdown: _____ 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 _____ 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>86</u>	<u>0</u>	<u>86</u>	<u>0</u>	<u>131</u>	<u>0</u>	<u>380</u>
P 2 <u>5</u>	<u>86</u>	<u>3</u>	<u>415</u>	<u>5</u>	<u>133</u>	<u>3</u>	<u>421</u>
P 3		<u>6</u>	<u>493</u>	<u>10</u>	<u>144</u>	<u>6</u>	<u>439</u>
P 4		<u>9</u>	<u>515</u>	<u>15</u>	<u>177</u>	<u>9</u>	<u>450</u>
P 5		<u>12</u>	<u>521</u>	<u>20</u>	<u>213</u>	<u>12</u>	<u>456</u>
P 6		<u>15</u>	<u>525</u>	<u>25</u>	<u>241</u>	<u>15</u>	<u>460</u>
P 7		<u>18</u>	<u>526</u>	<u>30</u>	<u>270</u>	<u>18</u>	<u>463</u>
P 8		<u>21</u>	<u>527</u>	<u>35</u>	<u>287</u>	<u>21</u>	<u>465</u>
P 9		<u>24</u>	<u>528</u>	<u>40</u>	<u>298</u>	<u>24</u>	<u>467</u>
P 10		<u>27</u>	<u>529</u>	<u>45</u>	<u>311</u>	<u>27</u>	<u>467</u>
P 11		<u>30</u>	<u>530</u>	<u>50</u>	<u>324</u>	<u>30</u>	<u>467</u>
P 12				<u>55</u>	<u>337</u>		
P 13				<u>60</u>	<u>345</u>		
P 14				<u>65</u>	<u>352</u>		
P 15				<u>70</u>	<u>361</u>		
P 16				<u>75</u>	<u>367</u>		
P 17				<u>80</u>	<u>371</u>		
P 18				<u>85</u>	<u>376</u>		
P 19				<u>89</u>	<u>380</u>		
P 20							

Pickrell Drlgs Co.
Lewis Wildgen #A-3

Test #2
TKT#3749





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

Company Pickrell Drilling Company Lease & Well No. Lewis Wildgen A#3
Elevation 2518 D. F. Ticket Number 3749
Date 6-7-64 Sec. 31 Twp. 16s Range 25w County Ness State Kansas
Test Approved by Ralph W. Ruwwe Western Representative Jack Toelkes

Formation Test No. 2 O.K. ☒ Misrun ☐ Interval Tested From 4475' to 4485' Total Depth 4485'
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Packer Depth 4470 Ft. Size 6 3/4 Packer Depth 4475 Ft. Size 6 3/4
Straddle ☐ Yes ☐ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 10 Ft. Size 5 1/2 O. D.

RECORDERS Depth 4478' Ft. Clock No. 6892 Depth 4481 Ft. Clock No. 147
Top Make Amarada Cap. 4382 No. 1567 Inside ☐ Outside ☒ Bottom Make Western Cap. 4000 No. 57 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 2:18 P M
Tool Open I.F.P. From 2:20P M to 2:22 PM Hr. 2 Min. From (B) 21 P.S.I. To (C) 21 P.S.I.
Tool Closed I.C.I.P. From 2:22 P M. to 2:52 P M. Hr. 30 Min. (D) 1178 P.S.I.
Tool Open F.F.P. From 2:52P M. to 3:37 P M. Hr. 45 Min. From (E) 36 P.S.I. To (F) 36 P.S.I.
Tool Closed F.C.I.P. From 3:37P M. to 4:07P M. Hr. 30 Min. (G) 69 81x P.S.I.
Initial Hydrostatic Pressure (A) 2427 P.S.I. Final Hydrostatic Pressure (H) 2403 P.S.I.

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

BLOW Very weak 2 minutes Bottom Choke Size 3/4 in.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 10' mud with few spots oil

Reversed Out ☒ Yes ☐ No Mud Type starch Viscosity 45 Weight 9.7 Maximum Temp. 117 °F
EXTRA EQUIPMENT: Dual Packers ☒ Safety Joint ☐ Jars: Size ☐ Make ☐ Ser. No. ☐
Type Circ. Sub. plug Did Tool Plug? no Where? ☐ Did Packer Hold? yes
Length Drill Pipe 3586 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ☐ ft.
I. D. Drill Collars ☐ in. Length D. S. T. Tool 29 ft.

Remarks Flushed tool after 20 minutes O. K.

WESTERN TESTING CO., INC.

Pressure Data

Date June 7, 1964 Test Ticket No. 3749
 Recorder No. 1567 Capacity 4300 Location 4478 Ft.
 Clock No. 6892 Elevation 2518 Derrick Floor Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2427</u> P.S.I.	Opened Tool	<u>2:18 P</u> M	
B First Initial Flow Pressure	<u>21</u> P.S.I.	First Flow Pressure	<u>2</u> Mins.	<u>2</u> Mins.
C First Final Flow Pressure	<u>21</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1178</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>36</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>36</u> P.S.I.			
G Final Closed-in Pressure	<u>69</u> P.S.I.			
H Final Hydrostatic Mud	<u>2403</u> P.S.I.			

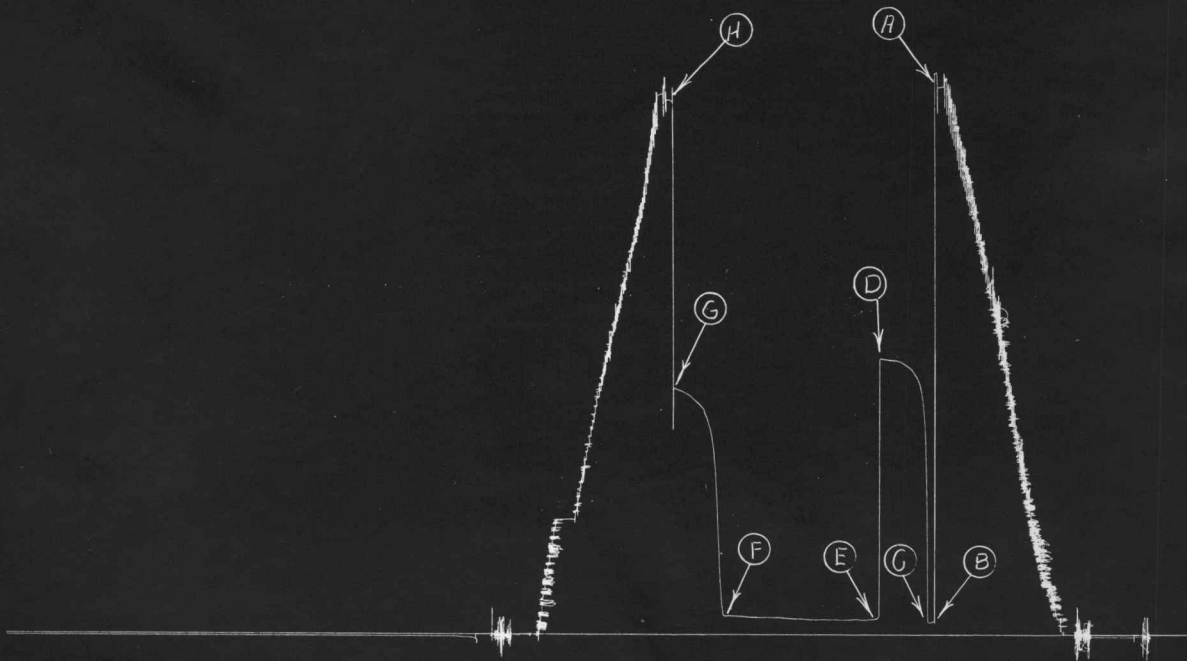
PRESSURE BREAKDOWN

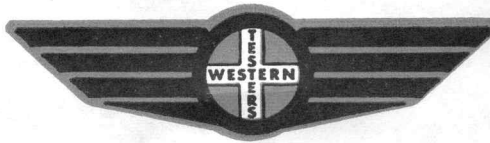
First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc.	Breakdown: <u>10</u> Inc.	Breakdown: <u>9</u> Inc.	Breakdown: <u>9</u> Inc.
of <u>2</u> mins. and a	of <u>3</u> mins. and a	of <u>5</u> mins. and a	of <u>3</u> mins. and a
final inc. of <u>0</u> Min.	final inc. 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>21</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>36</u>
P 2 <u>2</u>	<u>21</u>	<u>3</u>	<u>23</u>	<u>5</u>	<u>36</u>	<u>3</u>	<u>36</u>
P 3		<u>6</u>	<u>32</u>	<u>10</u>	<u>36</u>	<u>6</u>	<u>36</u>
P 4		<u>9</u>	<u>151</u>	<u>15</u>	<u>36</u>	<u>9</u>	<u>36</u>
P 5		<u>12</u>	<u>380</u>	<u>20</u>	<u>36</u>	<u>12</u>	<u>37</u>
P 6		<u>15</u>	<u>573</u>	<u>25</u>	<u>36</u>	<u>15</u>	<u>37</u>
P 7		<u>18</u>	<u>740</u>	<u>30</u>	<u>36</u>	<u>18</u>	<u>38</u>
P 8		<u>21</u>	<u>926</u>	<u>35</u>	<u>36</u>	<u>21</u>	<u>45</u>
P 9		<u>24</u>	<u>1066</u>	<u>40</u>	<u>36</u>	<u>24</u>	<u>56</u>
P 10		<u>27</u>	<u>1126</u>	<u>45</u>	<u>36</u>	<u>27</u>	<u>69</u>
P 11		<u>30</u>	<u>1178</u>				
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Pickrell Orlg. Co.
Lewis Wildgen #A-3

Test # 3
TKT# 3750





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

Company Pickrell Drilling Company Lease & Well No. Lewis Wildgen A#3
Elevation 2578 D. F. Ticket Number 3750
Date June 8, 1964 Sec. 31 Twp. 16s Range 25 County Ness State Kansas
Test Approved by Ralph W. Runne Western Representative Jack Toelkes

Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4475 to 4495 Total Depth 4495
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. ☒ Damaged Yes ☒ No _____ Conv. ☒ B.T. ☒ Damaged Yes ☒ No _____
Packer Depth 4470 Ft. Size 6 3/4 Packer Depth 4475 Ft. Size 6 3/4
Straddle _____ Yes _____ No _____ Conv. _____ B.T. _____ Damaged Yes _____ No _____
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 20 Ft. Size 5 1/2 O. D.

RECORDERS	Depth <u>4486</u> Ft.	Clock No. <u>6892</u>	Depth <u>4489</u> Ft.	Clock No. <u>147</u>
	Top Make <u>Amarada</u> Cap. <u>4382</u> No. <u>1567</u>	Inside <u>Outside</u>	Bottom Make <u>Western</u> Cap. <u>4000</u> No. <u>57</u>	Inside <u>Outside</u>
Below Straddle:	Depth _____ Clock No. _____	Inside <u>Outside</u>	Depth _____ Ft. Clock No. _____	Inside <u>Outside</u>
	Top Make _____ Cap. _____ No. _____	Inside <u>Outside</u>	Bottom Make _____ Cap. _____ No. _____	Inside <u>Outside</u>

Time Set Packer 3:45 A M
Tool Open I.F.P. From 3:47 A M to 3:50 A M Hr. 3 Min. From (B) 51 P.S.I. To (C) 51 P.S.I.
Tool Closed I.C.I.P. From 3:50 A M to 4:20 A M Hr. 30 Min. (D) 1217 P.S.I.
Tool Open F.F.P. From 4:20 A M to 5:50 A M 1 Hr. 30 Min. From (E) 66 P.S.I. To (F) 85 P.S.I.
Tool Closed F.C.I.P. From 5:50 A M to 6:20 A M Hr. 30 Min. (G) 1090 P.S.I.
Initial Hydrostatic Pressure (A) 2409 P.S.I. Final Hydrostatic Pressure (H) 2352 P.S.I.

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

BLOW leak through cut test Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No _____ Recovery Total Ft. 30' Gas in pipe 150' Oil and gas out mud

Reversed Out Yes ☒ No _____ Mud Type starch Viscosity 46 Weight 10 Maximum Temp. 122 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Jars: Size _____ Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
Length Drill Pipe 9586 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 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 June 8, 1964

Test Ticket No. 3750

Recorder No. 1567 Capacity 4300 Location 4486 Ft.

Clock No. 6892 Elevation 2578 Derrick Floor Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2409</u> P.S.I.	Opened Tool	<u>3:45</u> A M	
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>3</u> Mins.	<u>3</u> Mins.
C First Final Flow Pressure	<u>51</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1217</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>66</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>85</u> P.S.I.			
G Final Closed-in Pressure	<u>1090</u> P.S.I.			
H Final Hydrostatic Mud	<u>2352</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: 1 Inc.
of 3 mins. and a
final inc. of 0 Min.

Initial Shut-In

Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure

Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

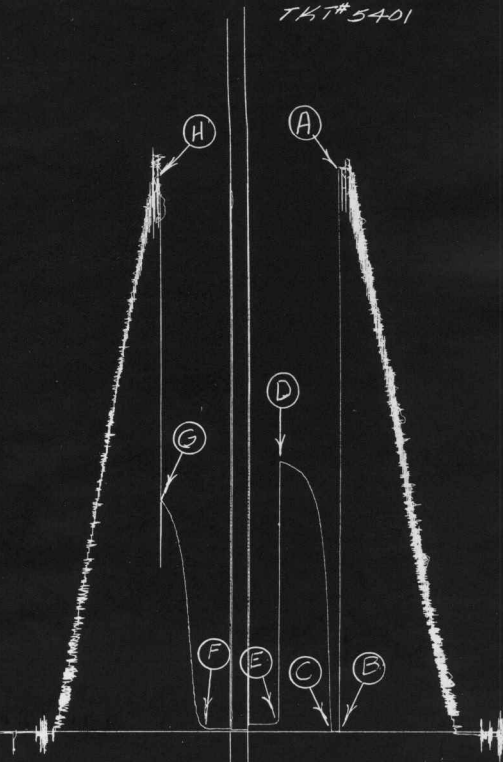
Final Shut-In

Breakdown: 10 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 <u>0</u>	<u>51</u>	<u>0</u>	<u>51</u>	<u>0</u>	<u>66</u>	<u>0</u>	<u>85</u>
P 2 <u>3</u>	<u>51</u>	<u>3</u>	<u>894</u>	<u>5</u>	<u>66</u>	<u>3</u>	<u>378</u>
P 3		<u>6</u>	<u>1073</u>	<u>10</u>	<u>66</u>	<u>6</u>	<u>712</u>
P 4		<u>9</u>	<u>1146</u>	<u>15</u>	<u>66</u>	<u>9</u>	<u>907</u>
P 5		<u>12</u>	<u>1176</u>	<u>20</u>	<u>66</u>	<u>12</u>	<u>989</u>
P 6		<u>15</u>	<u>1191</u>	<u>25</u>	<u>66</u>	<u>15</u>	<u>1019</u>
P 7		<u>18</u>	<u>1202</u>	<u>30</u>	<u>66</u>	<u>18</u>	<u>1040</u>
P 8		<u>21</u>	<u>1208</u>	<u>35</u>	<u>66</u>	<u>21</u>	<u>1058</u>
P 9		<u>24</u>	<u>1212</u>	<u>40</u>	<u>66</u>	<u>24</u>	<u>1068</u>
P 10		<u>27</u>	<u>1215</u>	<u>45</u>	<u>66</u>	<u>27</u>	<u>1077</u>
P 11		<u>30</u>	<u>1217</u>	<u>50</u>	<u>67</u>	<u>30</u>	<u>1090</u>
P 12				<u>55</u>	<u>69</u>		
P 13				<u>60</u>	<u>71</u>		
P 14				<u>65</u>	<u>73</u>		
P 15				<u>70</u>	<u>76</u>		
P 16				<u>75</u>	<u>79</u>		
P 17				<u>80</u>	<u>81</u>		
P 18				<u>85</u>	<u>83</u>		
P 19				<u>90</u>	<u>85</u>		
P 20							

Pickrell Drlg. Co.
Lewis Wulgen #A-3

TEST# 4
TKT# 5401





Home Office: Great Bend, Kansas

P. O. Box 793 Gladstone 3-7903

Company Pickrell Drilling Company Lease & Well No. Lewis Wildgen A#3
Elevation 2578 D. F. Ticket Number 5401
Date June 8, 1964 Sec. 31 Twp. 16s Range 25w County Ness State Kansas
Test Approved by Ralph W. Runne Western Representative Jack Toelkes

Formation Test No. 4 O.K. ☒ Misrun _____ Interval Tested From 4495 to 4505 Total Depth 4505
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. ☒ Damaged ☒ Yes _____ No _____ Conv. ☒ B.T. ☒ Damaged ☒ Yes ☒ No _____
Packer Depth 4490 Ft. Size 6 3/4 Packer Depth 4495 Ft. Size 6 3/4
Straddle _____ Yes ☒ No _____ Conv. _____ B.T. _____ Damaged _____ Yes _____ No _____
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 10 Ft. Size 5 1/2 O. D.

RECORDERS	Depth <u>4498</u>	Ft.	Clock No. <u>6892</u>	Depth <u>4501</u>	Ft.	Clock No. <u>147</u>
	Top Make <u>Amarada</u>	Cap. <u>4382</u>	No. <u>1567</u>	Bottom Make <u>Western</u>	Cap. <u>4000</u>	No. <u>57</u>
			Inside _____			Inside _____
			Outside _____			Outside _____
Below Straddle:	Depth _____		Clock No. _____	Depth _____		Clock No. _____
			Inside _____			Inside _____
			Outside _____			Outside _____
	Top Make _____	Cap. _____	No. _____	Bottom Make _____	Cap. _____	No. _____
			Inside _____			Inside _____
			Outside _____			Outside _____

Time Set Packer 5:40 P M
Tool Open I.F.P. From 5:42 P M to 5:45 P M Hr. 3 Min. From (B) 2 P.S.I. To (C) 2 P.S.I.
Tool Closed I.C.I.P. From 5:45 P M. to 6:15 P M. Hr. 30 Min. (D) 1184 P.S.I.
Tool Open F.F.P. From 6:15 P M. to 6:55 P M. Hr. 40 Min. From (E) 15 P.S.I. To (F) 15 P.S.I.
Tool Closed F.C.I.P. From 6:55 P M. to 7:25 P M. Hr. 30 Min. (G) 1023 P.S.I.
Initial Hydrostatic Pressure (A) 2376 P.S.I. Final Hydrostatic Pressure (H) 2363 P.S.I.

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

BLOW Very Weak 3 minutes Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 30' mud 2' Free oil

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 45 Weight 9.9 Maximum Temp. 122 °F
EXTRA EQUIPMENT: Dual Packers yes Safety Joint _____ Jars: Size _____ Make _____ Ser. No. _____
Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes
Length Drill Pipe 3606 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D. S. T. Tool 29 ft.

Remarks Flushed tool after 20 minutes and 30 minutes . O. K.

WESTERN TESTING CO., INC.

Pressure Data

Date June 8, 1964 Test Ticket No. 5401
 Recorder No. 1567 Capacity 4300 Location 4498 Ft.
 Clock No. 6892 Elevation 2578 Derrick Floor Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2376</u>	P.S.I.	Opened Tool <u>5:40 P</u> M	
B First Initial Flow Pressure	<u>2</u>	P.S.I.	<u>3</u> Mins.	<u>3</u> Mins.
C First Final Flow Pressure	<u>2</u>	P.S.I.	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>1184</u>	P.S.I.	<u>40</u> Mins.	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>15</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>15</u>	P.S.I.		
G Final Closed-in Pressure	<u>1023</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2363</u>	P.S.I.		

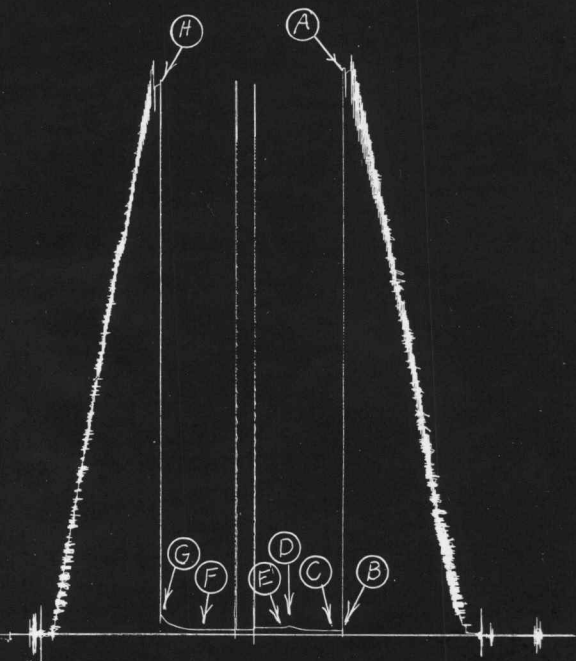
PRESSURE BREAKDOWN

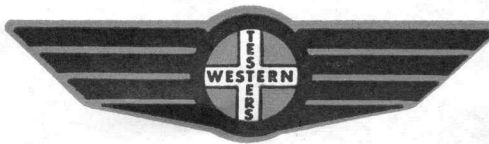
First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc.	Breakdown: <u>11</u> Inc.	Breakdown: <u>8</u> Inc.	Breakdown: <u>10</u> Inc.
of <u>3</u> mins. and a	of <u>3</u> mins. and a	of <u>5</u> mins. and a	of <u>3</u> mins. and a
final inc. of <u>0</u> Min.	final 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>2</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>15</u>	<u>0</u>	<u>15</u>
P 2 <u>3</u>	<u>2</u>	<u>3</u>	<u>389</u>	<u>5</u>	<u>15</u>	<u>3</u>	<u>21</u>
P 3		<u>6</u>	<u>652</u>	<u>10</u>	<u>15</u>	<u>6</u>	<u>47</u>
P 4		<u>9</u>	<u>868</u>	<u>15</u>	<u>15</u>	<u>9</u>	<u>162</u>
P 5		<u>12</u>	<u>991</u>	<u>20</u>	<u>15</u>	<u>12</u>	<u>309</u>
P 6		<u>15</u>	<u>1058</u>	<u>25</u>	<u>15</u>	<u>15</u>	<u>536</u>
P 7		<u>18</u>	<u>1109</u>	<u>30</u>	<u>15</u>	<u>18</u>	<u>715</u>
P 8		<u>21</u>	<u>1137</u>	<u>35</u>	<u>15</u>	<u>21</u>	<u>835</u>
P 9		<u>24</u>	<u>1152</u>	<u>40</u>	<u>15</u>	<u>24</u>	<u>930</u>
P 10		<u>27</u>	<u>1165</u>			<u>27</u>	<u>971</u>
P 11		<u>30</u>	<u>1178</u>			<u>30</u>	<u>1023</u>
P 12		<u>33</u>	<u>1184</u>				
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							

Pickrell Drilling Co.
Lewis Wildgen #A-3

Test #5
TKT#5402





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

Company Pickrell Drilling Company Lease & Well No. Lewis Wildgen A#3
Elevation 2578 D. F. Ticket Number 5402
Date June 9, 1964 Sec. 31 Twp. 16s Range 25w County Ness State Kansas
Test Approved by Ralph W. Ruwwe Western Representative Jack Toelkes

Formation Test No. 5 O.K. ☒ Misrun ☐ Interval Tested From 4500 to 4515 Total Depth 4515
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☒ Yes ☒ No ☐ Conv. ☐ B.T. ☒ Damaged ☒ Yes ☒ No
Packer Depth 4495 Ft. Size 6 3/4 Packer Depth 4500 Ft. Size 6 3/4
Straddle ☐ Yes ☒ No ☐ Conv. ☐ B.T. ☐ Damaged ☐ Yes ☐ No
Packer Depth ☐ Ft. Size ☐
Tool Size 5 1/2 O. D. Tool Jt. Size 4 1/2 F. H. Anchor Length 15 Ft. Size 5 1/2 O. D.

RECORDERS Depth 4507 Ft. Clock No. 6892 Depth 4510 Ft. Clock No. 147
Top Make Amarada Cap. 4382 No. 1567 Inside Outside Bottom Make Western Cap. 4000 No. 57 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 6:12 A M
Tool Open I.F.P. From 6:13A M to 6:15 A M Hr. 2 Min. From (B) 17 P.S.I. To (C) 17 P.S.I.
Tool Closed I.C.I.P. From 6:15A M. to 6:45A M. Hr. 30 Min. (D) 38 P.S.I.
Tool Open F.F.P. From 6:45A M. to 7:30A M. Hr. 45 Min. From (E) 21 P.S.I. To (F) 21 P.S.I.
Tool Closed F.C.I.P. From 7:30A M. to 8:00A M. Hr. 30 Min. (G) 84 P.S.I.
Initial Hydrostatic Pressure (A) 2425 P.S.I. Final Hydrostatic Pressure (H) 2387 P.S.I.

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

BLOW Very weak two minutes Bottom Choke Size 3/4 in.
Did Well Flow ☒ Yes ☐ No Recovery Total Ft. 51 drilling mud

Reversed Out ☒ Yes ☐ No Mud Type starch Viscosity 45 Weight 9.9 Maximum Temp. 121 °F
EXTRA EQUIPMENT: Dual Packers ☒ Safety Joint ☐ Jars: Size ☐ Make ☐ Ser. No. ☐
Type Circ. Sub. plug Did Tool Plug? ☒ no Where? ☐ Did Packer Hold? ☒ yes
Length Drill Pipe 3611 ft. I.D. Drill Pipe 3.6 in. Length Weight Pipe 870 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars ☐ ft.
I. D. Drill Collars ☐ in. Length D. S. T. Tool 34 ft.

Remarks

Flushed tool after 20" and 30" O. K. Western clock stopped O.B.

WESTERN TESTING CO., INC.

Pressure Data

Date June 9, 1964 Test Ticket No. 5402
 Recorder No. 1567 Capacity 4300 Location 4507 Ft.
 Clock No. 6892 Elevation 2578 Derrick Floor Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2425</u> P.S.I.	Opened Tool	<u>6:12A</u> M	
B First Initial Flow Pressure	<u>17</u> P.S.I.	First Flow Pressure	<u>2</u> Mins.	<u>2</u> Mins.
C First Final Flow Pressure	<u>17</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>38</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>21</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>21</u> P.S.I.			
G Final Closed-in Pressure	<u>84</u> P.S.I.			
H Final Hydrostatic Mud	<u>2387</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press. Breakdown: 1 Inc. of 2 mins. and a final inc. of 0 Min.
Initial Shut-In Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.
Second Flow Pressure Breakdown: 9 Inc. of 5 mins. and a final inc. of 0 Min.
Final Shut-In Breakdown: 10 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 <u>0</u>	<u>17</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>21</u>
P 2 <u>2</u>	<u>17</u>	<u>3</u>	<u>18</u>	<u>5</u>	<u>21</u>	<u>3</u>	<u>21</u>
P 3		<u>6</u>	<u>19</u>	<u>10</u>	<u>21</u>	<u>6</u>	<u>21</u>
P 4		<u>9</u>	<u>20</u>	<u>15</u>	<u>21</u>	<u>9</u>	<u>21</u>
P 5		<u>12</u>	<u>23</u>	<u>20</u>	<u>21</u>	<u>12</u>	<u>21</u>
P 6		<u>15</u>	<u>25</u>	<u>25</u>	<u>21</u>	<u>15</u>	<u>21</u>
P 7		<u>18</u>	<u>28</u>	<u>30</u>	<u>21</u>	<u>18</u>	<u>27</u>
P 8		<u>21</u>	<u>32</u>	<u>40</u>	<u>21</u>	<u>21</u>	<u>36</u>
P 9		<u>24</u>	<u>32</u>	<u>40</u>	<u>21</u>	<u>24</u>	<u>47</u>
P 10		<u>27</u>	<u>34</u>	<u>45</u>	<u>21</u>	<u>27</u>	<u>52</u>
P 11		<u>30</u>	<u>38</u>	45		<u>30</u>	<u>84</u>
P 12							
P 13							
P 14							
P 15							
P 16							
P 17							
P 18							
P 19							
P 20							