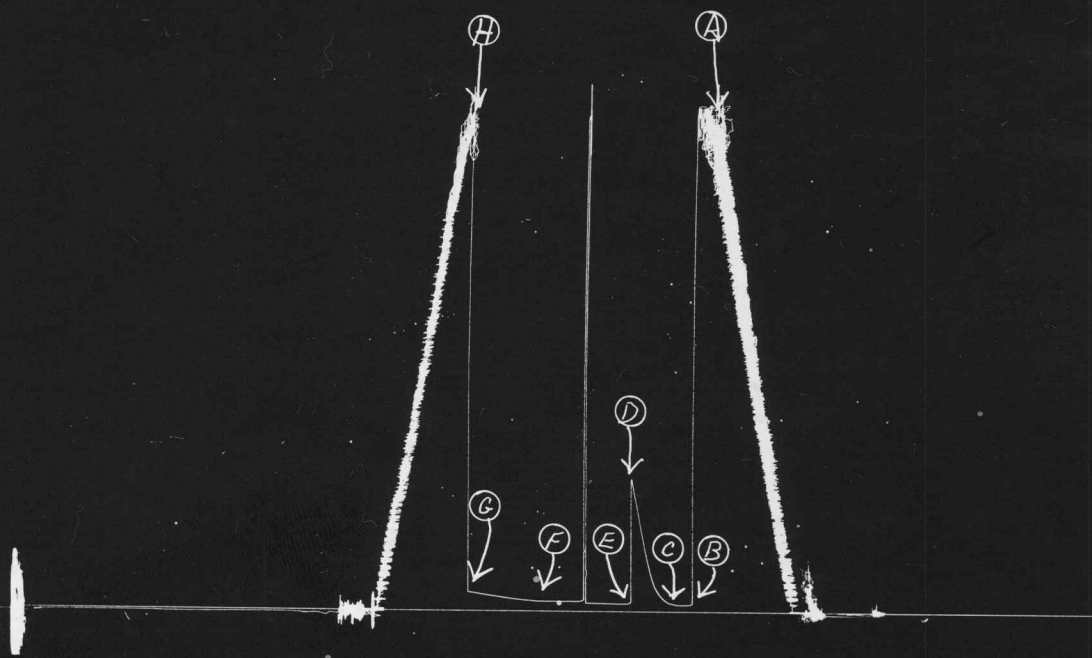


Pickrell Drly Co.

TKT-10489

Uehling #A-1

Test #1





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

Company Pickrell Drlg. Co. Lease & Well No. Uehling A#1
Elevation 2292 Kelly Bushing Formation Ft. Scott Effective Pay _____ Ft. Ticket No. 10489
Date 4-4-68 Sec. 25 Twp. 19s Range 23w County Ness State Kansas
Test Approved by Ralph W. Ruwe Western Representative Dean Blagrove
Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 4266' to 4331' Total Depth 4331'
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged Yes ☒ No Conv. _____ B.T. ☒ Damaged Yes ☒ No
Packer Depth 4261 Ft. Size 6 3/4 Packer Depth 4266 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 65 Ft. Size 31' x 6 1/2" OD -DC
34' x 5 1/2" OD -Perf.
RECORDERS Depth 4284 Ft. Clock No. 6895 Depth 4287 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside _____ Outside _____ Bottom Make Amerada Cap. 4300 No. 1567 Inside _____ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____
Time Set Packer 9:06 A. M
Tool Open I.F.P. From 9:08 M. to 9:18 A M. Hr. 10 Min. From (B) 43 P.S.I. To (C) 43 P.S.I.
Tool Closed I.C.I.P. From 9:18 M. to 9:48 A M. Hr. 30 Min. (D) 651 P.S.I.
Tool Open F.F.P. From 9:48 M. to 10:48 A M. Hr. -- Min. From (E) 56 P.S.I. To (F) 66 P.S.I.
Tool Closed F.C.I.P. From 10:48 M. to 11:33 A M. Hr. 45 Min. (G) 107 P.S.I.
Initial Hydrostatic Pressure (A) 2386 P.S.I. Final Hydrostatic Pressure (H) 2382 P.S.I.
SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak for 10 minutes. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No _____ Recovery Total Ft. 10 feet mud with few oil specks.
Reversed Out Yes ☒ No _____ Mud Type starch Viscosity 51 Weight 10.1 Water Loss 10.8 cc. Maximum Temp. 116 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe _____ ft. I.D. Drill Pipe _____ in. Length Weight Pipe 995 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 83 ft.
Remarks Flushed at 30 minutes.

WESTERN TESTING CO., INC.

Pressure Data

Date 4-4-68 Test Ticket No. 10489
 Recorder No. 2608 Capacity 4150 Location 4284 Ft.
 Clock No. 6895 Elevation 2292 Kelly Bushing Well Temperature 116 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2386</u> P.S.I.	<u>9:06 A.</u> M	
B First Initial Flow Pressure	<u>43</u> P.S.I.	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>43</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>651</u> P.S.I.	<u>60</u> Mins.	<u>59</u> Mins.
E Second Initial Flow Pressure	<u>56</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>66</u> P.S.I.		
G Final Closed-in Pressure	<u>107</u> P.S.I.		
H Final Hydrostatic Mud	<u>2382</u> P.S.I.		

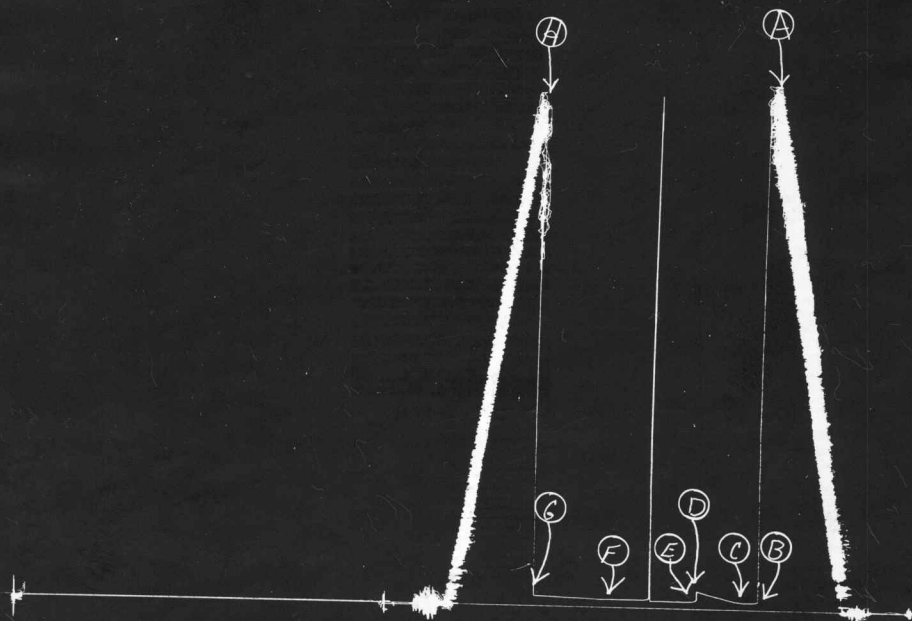
PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>11</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>--</u> Min.		final inc. of <u>--</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>43</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>66</u>
P 2 <u>5</u>	<u>43</u>	<u>3</u>	<u>45</u>	<u>5</u>	<u>56</u>	<u>3</u>	<u>67</u>
P 3 <u>10</u>	<u>43</u>	<u>6</u>	<u>49</u>	<u>10</u>	<u>56</u>	<u>6</u>	<u>69</u>
P 4		<u>9</u>	<u>62</u>	<u>15</u>	<u>56</u>	<u>9</u>	<u>70</u>
P 5		<u>12</u>	<u>87</u>	<u>20</u>	<u>56</u>	<u>12</u>	<u>72</u>
P 6		<u>15</u>	<u>131</u>	<u>25</u>	<u>56</u>	<u>15</u>	<u>73</u>
P 7		<u>18</u>	<u>191</u>	<u>30</u>	<u>66</u>	<u>18</u>	<u>75</u>
P 8		<u>21</u>	<u>297</u>	<u>35</u>	<u>66</u>	<u>21</u>	<u>77</u>
P 9		<u>24</u>	<u>410</u>	<u>40</u>	<u>66</u>	<u>24</u>	<u>80</u>
P 10		<u>27</u>	<u>651</u>	<u>45</u>	<u>66</u>	<u>27</u>	<u>83</u>
P 11		<u>30</u>	<u>651</u>	<u>50</u>	<u>66</u>	<u>30</u>	<u>87</u>
P 12				<u>55</u>	<u>66</u>	<u>33</u>	<u>91</u>
P 13				<u>59</u>	<u>66</u>	<u>36</u>	<u>95</u>
P 14						<u>39</u>	<u>99</u>
P 15						<u>42</u>	<u>103</u>
P 16						<u>45</u>	<u>107</u>
P 17							
P 18							
P 19							
P 20							

Pickrell Drlg Co.
Uehling # A-1

TKT-10490

Test #2





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

Company Pickrell Drlg. Co. Lease & Well No. Uehling A#1

Elevation 2292 Kelly Bushing Formation Cherokee Lime Effective Pay _____ Ft. Ticket No. 10490

Date 4-5-68 Sec. 25 Twp. 19s Range 23w County Ness State Kansas

Test Approved by Ralph W. Ruwwe Western Representative Dean Blagrave

Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 4335' to 4377' Total Depth 4377'

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

Packer Depth 4330 Ft. Size 6 3/4 Packer Depth 4335 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 42 Ft. Size 5 1/2" OD

RECORDERS Depth 4368 Ft. Clock No. 6895 Depth 4371 Ft. Clock No. 6774

Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 Inside Outside

Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____

Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 12:14 A. M

Tool Open I.F.P. From 12:06 M. to 12:26 A. Hr. 10 Min. From (B) 64 P.S.I. To (C) 64 P.S.I.

Tool Closed I.C.I.P. From 12:26 M. to 12:56 A. Hr. 30 Min. (D) 99 P.S.I.

Tool Open F.F.P. From 12:56 M. to 1:56 A. M. 1 Hr. -- Min. From (E) 64 P.S.I. To (F) 68 P.S.I.

Tool Closed F.C.I.P. From 1:56 M. to 2:41 A. M. Hr. 45 Min. (G) 71 P.S.I.

Initial Hydrostatic Pressure (A) 2398 P.S.I. Final Hydrostatic Pressure (H) 2381 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Weak for 10 minutes. Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 10 feet mud with few oil specks.

Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 52 Weight 10.2 Water Loss 10.8 cc. Maximum Temp. 117 °F

Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Ser. No. _____

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____

Length Drill Pipe _____ ft. I.D. Drill Pipe _____ in. Length Weight Pipe 995 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 60 ft.

Remarks Flushed at 30 minutes.

WESTERN TESTING CO., INC.

Pressure Data

Date 4-5-68 Test Ticket No. 10490
 Recorder No. 2606 Capacity 4150 Location 4368 Ft.
 Clock No. 6895 Elevation 2292 Kelly Bushing Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2398</u>	P.S.I.	<u>12:14 A.</u>	
B First Initial Flow Pressure	<u>64</u>	P.S.I.	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>64</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>99</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>64</u>	P.S.I.	<u>45</u> Mins.	<u>44</u> Mins.
F Second Final Flow Pressure	<u>68</u>	P.S.I.		
G Final Closed-in Pressure	<u>71</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2381</u>	P.S.I.		

PRESSURE BREAKDOWN

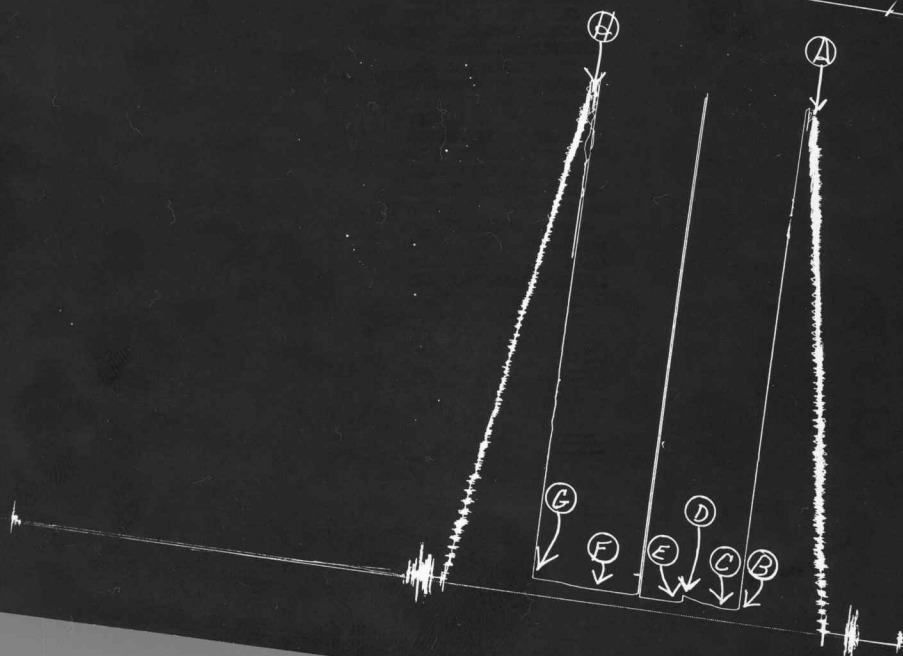
First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: <u>14</u> Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of <u>3</u> mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ 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>64</u>	<u>0</u>	<u>64</u>	<u>0</u>	<u>64</u>	<u>0</u>	<u>68</u>
P 2 <u>5</u>	<u>64</u>	<u>3</u>	<u>64</u>	<u>5</u>	<u>64</u>	<u>3</u>	<u>68</u>
P 3 <u>10</u>	<u>64</u>	<u>6</u>	<u>65</u>	<u>10</u>	<u>64</u>	<u>6</u>	<u>68</u>
P 4 _____		<u>9</u>	<u>67</u>	<u>15</u>	<u>64</u>	<u>9</u>	<u>68</u>
P 5 _____		<u>12</u>	<u>69</u>	<u>20</u>	<u>64</u>	<u>12</u>	<u>68</u>
P 6 _____		<u>15</u>	<u>72</u>	<u>25</u>	<u>64</u>	<u>15</u>	<u>68</u>
P 7 _____		<u>18</u>	<u>76</u>	<u>30</u>	<u>64</u>	<u>18</u>	<u>69</u>
P 8 _____		<u>21</u>	<u>81</u>	<u>35</u>	<u>68</u>	<u>21</u>	<u>69</u>
P 9 _____		<u>24</u>	<u>87</u>	<u>40</u>	<u>68</u>	<u>24</u>	<u>69</u>
P10 _____		<u>27</u>	<u>95</u>	<u>45</u>	<u>68</u>	<u>27</u>	<u>70</u>
P11 _____		<u>30</u>	<u>99</u>	<u>50</u>	<u>68</u>	<u>30</u>	<u>70</u>
P12 _____				<u>55</u>	<u>68</u>	<u>33</u>	<u>70</u>
P13 _____				<u>60</u>	<u>68</u>	<u>36</u>	<u>71</u>
P14 _____						<u>39</u>	<u>71</u>
P15 _____						<u>42</u>	<u>71</u>
P16 _____						<u>44</u>	<u>71</u>
P17 _____							
P18 _____							
P19 _____							
P20 _____							

Pickrell Drlg Co.

Uehling A-#1

TKT-10491

Test #3





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

Company Pickrell Drlg. Co. Lease & Well No. Uehling A#1
Elevation 2292 Kelly Bushing Formation _____ Effective Pay _____ Ft. Ticket No. 10491
Date 4-5-68 Sec. 25 Twp. 19s Range 23w County Ness State Kansas
Test Approved by Ralph W. Ruwe Western Representative Dean Blagrove
Formation Test No. 3 O.K. ☒ Misrun _____ Interval Tested From 4348' to 4413' Total Depth 4413'
Size Main Hole 7 7/8 Rat Hole _____ Conv. ☒ B.T. _____ Damaged Yes ☒ No Conv. _____ B.T. ☒ Damaged Yes ☒ No
Packer Depth 4343 Ft. Size 6 3/4 Packer Depth 4348 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" OD Anchor Length 65 Ft. Size 5 1/2" OD
RECORDERS Depth 4368 Ft. Clock No. 6895 Depth 4371 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 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 5:38 P. M
Tool Open I.F.P. From 5:40 M. to 6:50 P M. Hr. 10 Min. From (B) 60 P.S.I. To (C) 60 P.S.I.
Tool Closed I.C.I.P. From 5:50 M. to 6:20 P M. Hr. 30 Min. (D) 95 P.S.I.
Tool Open F.F.P. From 6:20 M. to 7:20 P M. Hr. 1 Min. From (E) 62 P.S.I. To (F) 66 P.S.I.
Tool Closed F.C.I.P. From 7:20 M. to 8:05 P M. Hr. 45 Min. (G) 74 P.S.I.
Initial Hydrostatic Pressure (A) 2388 P.S.I. Final Hydrostatic Pressure (H) 2369 P.S.I.
SURFACE Size Choke 1/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak for 10 minutes. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No _____ Recovery Total Ft. 10 feet mud with few oil specks.
Reversed Out Yes ☒ No Mud Type starch Viscosity 47 Weight 10 Water Loss 8 cc. Maximum Temp. 119 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where? _____
Length Drill Pipe _____ ft. I.D. Drill Pipe _____ in. Length Weight Pipe 995 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 83 ft.
Remarks Flushed at 30 minutes.

WESTERN TESTING CO., INC. Pressure Data

Date 4-5-68 Test Ticket No. 10491
 Recorder No. 2606 Capacity 4150 Location 4368 Ft.
 Clock No. 6895 Elevation 2292 Kelly Bushing Well Temperature 119 °F
 Time Given 5:38 P. Time Computed M

Point	Pressure	Opened Tool
A Initial Hydrostatic Mud	<u>2388</u> P.S.I.	
B First Initial Flow Pressure	<u>60</u> P.S.I.	First Flow Pressure
C First Final Flow Pressure	<u>60</u> P.S.I.	Initial Closed-in Pressure
D Initial Closed-in Pressure	<u>95</u> P.S.I.	Second Flow Pressure
E Second Initial Flow Pressure	<u>62</u> P.S.I.	Final Closed-in Pressure
F Second Final Flow Pressure	<u>66</u> P.S.I.	
G Final Closed-in Pressure	<u>74</u> P.S.I.	
H Final Hydrostatic Mud	<u>2369</u> P.S.I.	

PRESSURE BREAKDOWN

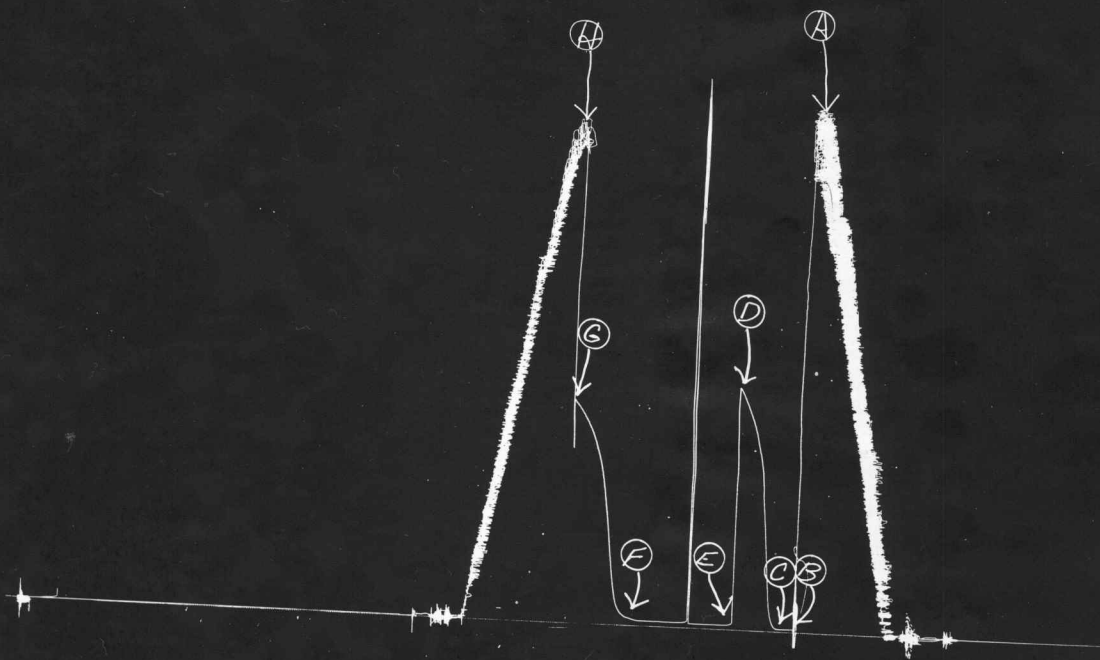
First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>14</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>--</u> Min.		final inc. of <u>2</u> Min.		final inc. of <u>--</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>60</u>	<u>0</u>	<u>60</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>66</u>
P 2 <u>5</u>	<u>60</u>	<u>3</u>	<u>63</u>	<u>5</u>	<u>62</u>	<u>3</u>	<u>66</u>
P 3 <u>10</u>	<u>60</u>	<u>6</u>	<u>68</u>	<u>10</u>	<u>62</u>	<u>6</u>	<u>66</u>
P 4		<u>9</u>	<u>68</u>	<u>15</u>	<u>62</u>	<u>9</u>	<u>67</u>
P 5		<u>12</u>	<u>69</u>	<u>20</u>	<u>62</u>	<u>12</u>	<u>68</u>
P 6		<u>15</u>	<u>72</u>	<u>25</u>	<u>62</u>	<u>15</u>	<u>72</u>
P 7		<u>18</u>	<u>76</u>	<u>30</u>	<u>66</u>	<u>18</u>	<u>73</u>
P 8		<u>21</u>	<u>83</u>	<u>35</u>	<u>66</u>	<u>21</u>	<u>74</u>
P 9		<u>24</u>	<u>87</u>	<u>40</u>	<u>66</u>	<u>24</u>	<u>74</u>
P 10		<u>27</u>	<u>92</u>	<u>45</u>	<u>66</u>	<u>27</u>	<u>74</u>
P 11		<u>29</u>	<u>95</u>	<u>50</u>	<u>66</u>	<u>30</u>	<u>74</u>
P 12				<u>55</u>	<u>66</u>	<u>33</u>	<u>74</u>
P 13				<u>60</u>	<u>66</u>	<u>36</u>	<u>74</u>
P 14						<u>39</u>	<u>74</u>
P 15						<u>42</u>	<u>74</u>
P 16						<u>43</u>	<u>74</u>
P 17							
P 18							
P 19							
P 20							

Pickrell Drlg Co.

TKT-10492

Uehling #A-1

Test #4





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

Company Pickrell Drlg. Co. Lease & Well No. Uehling A#1
Elevation 2292 Kelly Bushing Formation Mississippian Effective Pay 11 Ft. Ticket No. 10492
Date 4-6-68 Sec. 25 Twp. 19s Range 23w County Ness State Kansas
Test Approved by Ralph W. Ruwwe Western Representative Dean Blaggrave
Formation Test No. 4 O.K. ☒ Misrun Interval Tested From 4413' to 4424' Total Depth 4424'
Size Main Hole 7 7/8 Rat Hole Conv. ☒ B.T. Damaged Yes ☒ No Conv. B.T. ☒ Damaged Yes ☒ No
Packer Depth 4408 Ft. Size 6 3/4 Packer Depth 4413 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 11 Ft. Size 5 1/2" OD
RECORDERS Depth 4417 Ft. Clock No. 6895 Depth 4420 Ft. Clock No. 6774
Top Make Amerada Cap. 4150 No. 2606 Inside Outside Bottom Make Amerada Cap. 4300 No. 1567 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 6:26 A. M
Tool Open I.F.P. From 6:28 M. to 6:38 A M. Hr. 10 Min. From (B) 27 P.S.I. To (C) 33 P.S.I.
Tool Closed I.C.I.P. From 6:38 M. to 7:08 A M. Hr. 30 Min. (D) 1173 P.S.I.
Tool Open F.F.P. From 7:08 M. to 8:08 A M. Hr. 1 Min. From (E) 49 P.S.I. To (F) 54 P.S.I.
Tool Closed F.C.I.P. From 8:08 M. to 8:53 A M. Hr. 45 Min. (G) 1092 P.S.I.
Initial Hydrostatic Pressure (A) 2391 P.S.I. Final Hydrostatic Pressure (H) 2386 P.S.I.
SURFACE Size Choke 1/4 In. Max. Press. P.S.I. Time Description of Flow
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Weak for 10 minutes. Bottom Choke Size 3/4 In.
Did Well Flow Yes ☒ No Recovery Total Ft. 5 feet mud show free oil (One pint atop tool)
Reversed Out Yes ☒ No Mud Type starch Viscosity 47 Weight 10 Water Loss 8 cc. Maximum Temp. 119 °F
Type Circ. Sub. plug Did Tool Plug? no Jars: Size no Make Ser. No.
EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Did Packer Hold? yes Where?
Length Drill Pipe _____ ft. I.D. Drill Pipe _____ in. Length Weight Pipe 996 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool 29 ft.
Remarks Flushed at 30 minutes.

WESTERN TESTING CO., INC.

Pressure Data

Date 4-6-68 Test Ticket No. 10492
 Recorder No. 2606 Capacity 4150 Location 4417 Ft.
 Clock No. _____ Elevation 2292 Kelly Bushing Well Temperature 119 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2391 P.S.I. Opened Tool 6:26 A. M
 B First Initial Flow Pressure 27 P.S.I. First Flow Pressure 10 Mins. 10 Mins.
 C First Final Flow Pressure 33 P.S.I. Initial Closed-in Pressure 30 Mins. 30 Mins.
 D Initial Closed-in Pressure 1173 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 49 P.S.I. Final Closed-in Pressure 45 Mins. 44 Mins.
 F Second Final Flow Pressure 54 P.S.I.
 G Final Closed-in Pressure 1092 P.S.I.
 H Final Hydrostatic Mud 2386 P.S.I.

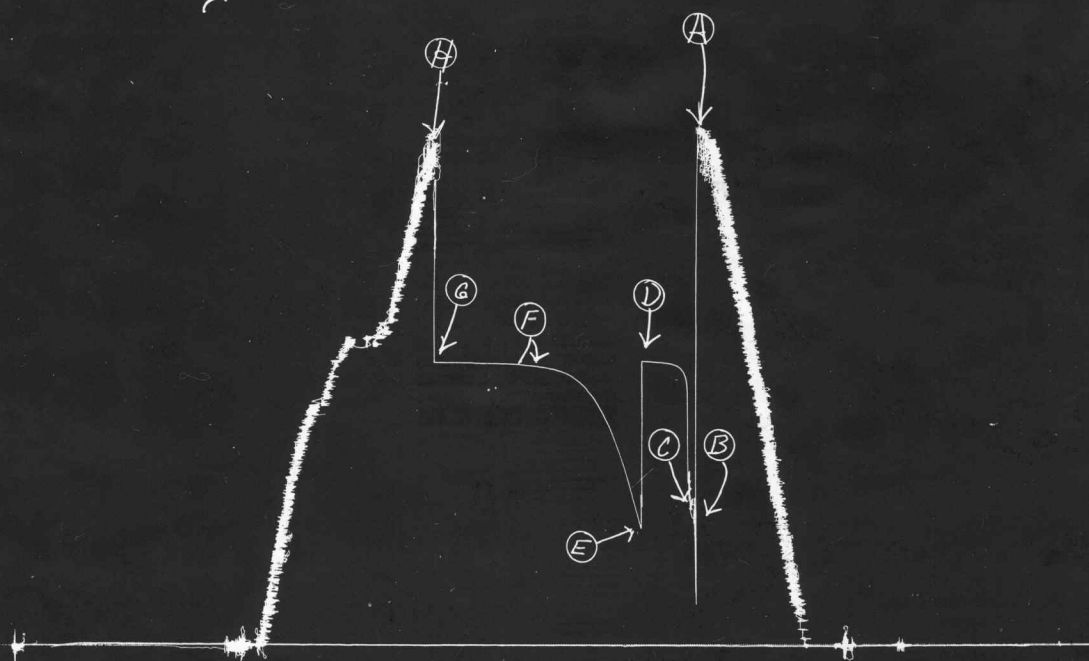
PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>14</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>--</u> Min.		final inc. of <u>--</u> Min.		final inc. of <u>--</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>27</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>54</u>
P 2 <u>5</u>	<u>29</u>	<u>3</u>	<u>64</u>	<u>5</u>	<u>49</u>	<u>3</u>	<u>55</u>
P 3 <u>10</u>	<u>33</u>	<u>6</u>	<u>228</u>	<u>10</u>	<u>49</u>	<u>6</u>	<u>58</u>
P 4 _____	_____	<u>9</u>	<u>454</u>	<u>15</u>	<u>49</u>	<u>9</u>	<u>68</u>
P 5 _____	_____	<u>12</u>	<u>696</u>	<u>20</u>	<u>49</u>	<u>12</u>	<u>99</u>
P 6 _____	_____	<u>15</u>	<u>864</u>	<u>25</u>	<u>49</u>	<u>15</u>	<u>195</u>
P 7 _____	_____	<u>18</u>	<u>962</u>	<u>30</u>	<u>54</u>	<u>18</u>	<u>347</u>
P 8 _____	_____	<u>21</u>	<u>1045</u>	<u>35</u>	<u>54</u>	<u>21</u>	<u>547</u>
P 9 _____	_____	<u>24</u>	<u>1103</u>	<u>40</u>	<u>54</u>	<u>24</u>	<u>692</u>
P10 _____	_____	<u>27</u>	<u>1146</u>	<u>45</u>	<u>54</u>	<u>27</u>	<u>804</u>
P11 _____	_____	<u>30</u>	<u>1173</u>	<u>50</u>	<u>54</u>	<u>30</u>	<u>900</u>
P12 _____	_____	_____	_____	<u>55</u>	<u>54</u>	<u>33</u>	<u>966</u>
P13 _____	_____	_____	_____	<u>60</u>	<u>54</u>	<u>36</u>	<u>1014</u>
P14 _____	_____	_____	_____	_____	_____	<u>39</u>	<u>1053</u>
P15 _____	_____	_____	_____	_____	_____	<u>42</u>	<u>1080</u>
P16 _____	_____	_____	_____	_____	_____	<u>44</u>	<u>1092</u>
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

Pickrell Drlg Co.
Uehling #A-1

TKT-10493

Test #5





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

Company **Pickrell Drlg. Co.** Lease & Well No. **Uehling A#1**
Elevation **2292 Kelly Bushing** Formation **Mississippian** Effective Pay **10** Ft. Ticket No. **10493**
Date **4-6-68** Sec. **25** Twp. **19s** Range **23w** County **Ness** State **Kansas**
Test Approved by **Ralph W. Ruwwe** Western Representative **Dean Blagrave**
Formation Test No. **5** O.K. ☒ Misrun Interval Tested From **4424'** to **4434'** Total Depth **4434'**
Size Main Hole **7 7/8** Rat Hole Conv. ☒ B.T. Damaged Yes ☒ No Conv. B.T. ☒ Damaged Yes ☒ No
Packer Depth **4419** Ft. Size **6 3/4** Packer Depth **4424** 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 **10** Ft. Size **5 1/2" OD**
RECORDERS Depth **4428** Ft. Clock No. **6895** Depth **4431** Ft. Clock No. **6774**
Top Make **Amerada** Cap. **4150** No. **2606** Inside **Outside** Bottom Make **Amerada** Cap. **4300** No. **1567** 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 **7:08 P. M**
Tool Open I.F.P. From **7:10 M. to 7:15 P.M.** Hr. **5** Min. From (B) **228** P.S.I. To (C) **584** P.S.I.
Tool Closed I.C.I.P. From **7:15 M. to 7:45 P.M.** Hr. **30** Min. (D) **1384** P.S.I.
Tool Open F.F.P. From **7:45 M. to 9:00 P.M.** Hr. **1** Min. From (E) **589** P.S.I. To (F) **1373** P.S.I.
Tool Closed F.C.I.P. From **9:00 M. to 10:00 P.M.** Hr. **1** Min. (G) **1380** P.S.I.
Initial Hydrostatic Pressure (A) **2435** P.S.I. Final Hydrostatic Pressure (H) **2414** P.S.I.
SURFACE Size Choke **1/4** In. Max. Press. P.S.I. Time Description of Flow
INFORMATION
BLOW **Strong decreasing to very weak at end of test.** Bottom Choke Size **3/4** In.
Did Well Flow Yes ☒ No Recovery Total Ft. **3050 feet sulphur water.**
Reversed Out ☒ Yes No Mud Type **starch** Viscosity **53** Weight **10** Water Loss **10** cc. Maximum Temp. **129** °F
Type Circ. Sub. **plug** Did Tool Plug? **no** Jars: Size **no** Make Ser. No.
EXTRA EQUIPMENT: Dual Packers **yes** Safety Joint **no** Did Packer Hold? **yes** Where?
Length Drill Pipe ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **995** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars **none** ft.
I. D. Drill Collars in. Length D.S.T. Tool **28** ft.
Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date 4-6-68 Test Ticker No. 10493
Recorder No. 2606 Capacity 4150 Location 4428 Ft.
Clock No. 6895 Elevation 2292 Kelly Bushing Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2435</u> P.S.I.	Opened Tool	<u>7:08 P.</u>	
B First Initial Flow Pressure	<u>228</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>584</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1384</u> P.S.I.	Second Flow Pressure	<u>75</u> Mins.	<u>75</u> Mins.
E Second Initial Flow Pressure	<u>589</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>59</u> Mins.
F Second Final Flow Pressure	<u>1373</u> P.S.I.			
G Final Closed-in Pressure	<u>1380</u> P.S.I.			
H Final Hydrostatic Mud	<u>2414</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>15</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>--</u> Min.		final inc. of <u>--</u> Min.		final inc. of <u>--</u> Min.		final inc. of <u>2</u> Min.	
Point	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1 <u>0</u>	<u>228</u>	<u>0</u>	<u>584</u>	<u>0</u>	<u>589</u>	<u>0</u>	<u>1373</u>
P 2 <u>5</u>	<u>584</u>	<u>3</u>	<u>1215</u>	<u>5</u>	<u>711</u>	<u>3</u>	<u>1373</u>
P 3		<u>6</u>	<u>1333</u>	<u>10</u>	<u>852</u>	<u>6</u>	<u>1374</u>
P 4		<u>9</u>	<u>1358</u>	<u>15</u>	<u>972</u>	<u>9</u>	<u>1375</u>
P 5		<u>12</u>	<u>1368</u>	<u>20</u>	<u>1068</u>	<u>12</u>	<u>1376</u>
P 6		<u>15</u>	<u>1375</u>	<u>25</u>	<u>1138</u>	<u>15</u>	<u>1376</u>
P 7		<u>18</u>	<u>1379</u>	<u>30</u>	<u>1202</u>	<u>18</u>	<u>1378</u>
P 8		<u>21</u>	<u>1381</u>	<u>35</u>	<u>1254</u>	<u>21</u>	<u>1379</u>
P 9		<u>24</u>	<u>1382</u>	<u>40</u>	<u>1292</u>	<u>24</u>	<u>1380</u>
P10		<u>27</u>	<u>1383</u>	<u>45</u>	<u>1319</u>	<u>27</u>	<u>1380</u>
P11		<u>30</u>	<u>1384</u>	<u>50</u>	<u>1337</u>	<u>30</u>	<u>1380</u>
P12				<u>55</u>	<u>1348</u>	<u>33</u>	<u>1380</u>
P13				<u>60</u>	<u>1356</u>	<u>36</u>	<u>1380</u>
P14				<u>65</u>	<u>1364</u>	<u>39</u>	<u>1380</u>
P15				<u>70</u>	<u>1368</u>	<u>42</u>	<u>1380</u>
P16				<u>75</u>	<u>1373</u>	<u>45</u>	<u>1380</u>
P17						<u>48</u>	<u>1380</u>
P18						<u>51</u>	<u>1380</u>
P19						<u>54</u>	<u>1380</u>
P20						<u>57</u>	<u>1380</u>
						<u>59</u>	<u>1380</u>