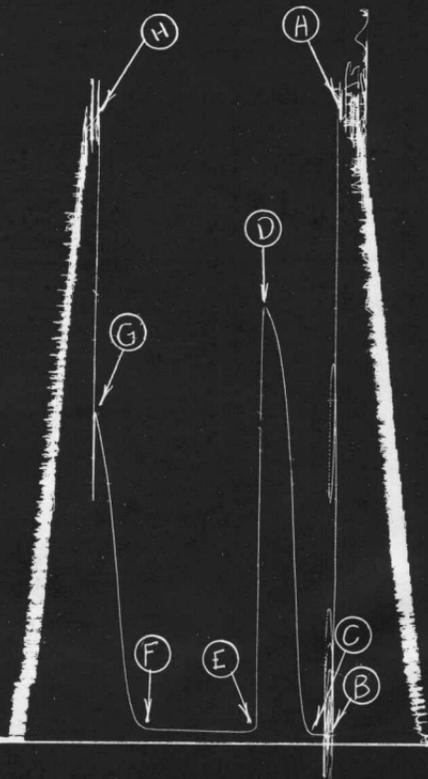


PICKRELL DRUG CO.
KAUFMAN "B" #1

TEST # 1
TKT # 4552





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

Company Pickrell Drilling Company Lease & Well No. Kaufman #B-1
Elevation 1577 Derrick Floor Formation Kansas City Ticket Number 4552
Date March 26, 1966 Sec. 7 Twp. 29 Range 6W County Kingman State Kansas
Test Approved by Ralph W. Ruwwe Western Representative Norman Allen

Formation Test No. 1 O.K. Misrun Interval Tested From 3305' to 3325' Total Depth 3325'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes yes No Conv. B.T. Damaged Yes no No
Packer Depth 3300 Ft. Size 6 3/4 Packer Depth 3305 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 4 1/2 FH Anchor Length 20 Ft. Size 5 1/2 OD

RECORDERS Depth 3318 Ft. Clock No. 4964 Depth 3321 Ft. Clock No. 127
Top Make Kuster Cap. 3150 No. 1562 ~~Inside~~ Outside Bottom Make Western Cap. 3000 No. 41 ~~Inside~~ Outside
Below Straddle: Depth _____ Clock No. Inside Depth _____ Ft. Clock No. Outside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Outside

Time Set Packer 5:18 A M
Tool Open I.F.P. From 5:20 M to 5:30 M Hr. 10 Min. From (B) 18 P.S.I. To (C) 18 P.S.I.
Tool Closed I.C.I.P. From 5:30 M. to 6:00 M. Hr. 30 Min. (D) 1232 P.S.I.
Tool Open F.F.P. From 6:00 M. to 7:00 M. 1 Hr. Min. From (E) 25 P.S.I. To (F) 29 P.S.I.
Tool Closed F.C.I.P. From 7:00 M. to 7:30 M. Hr. 30 Min. (G) 926 P.S.I.
Initial Hydrostatic Pressure (A) 1775 P.S.I. Final Hydrostatic Pressure (H) 1767 P.S.I.

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

BLOW Weak 25 minutes. Bottom Choke Size 3/4 In.

Did Well Flow Yes No Recovery Total Ft. 25' drilling mud with scum of oil

Reversed Out Yes No Mud Type starch Viscosity 36 Weight 9.7 Maximum Temp. 103 °F

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

Type Circ. Sub. pfn Did Tool Plug? No Where? _____ Did Packer Hold? Yes

Length Drill Pipe 2625 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 660 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 40 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date March 26, 1966 Test Ticket No. 4552
 Recorder No. 1562 Capacity 3150 Location 3318 Ft.
 Clock No. 4964 Elevation 1577 Derrick Floor Well Temperature 103 °F

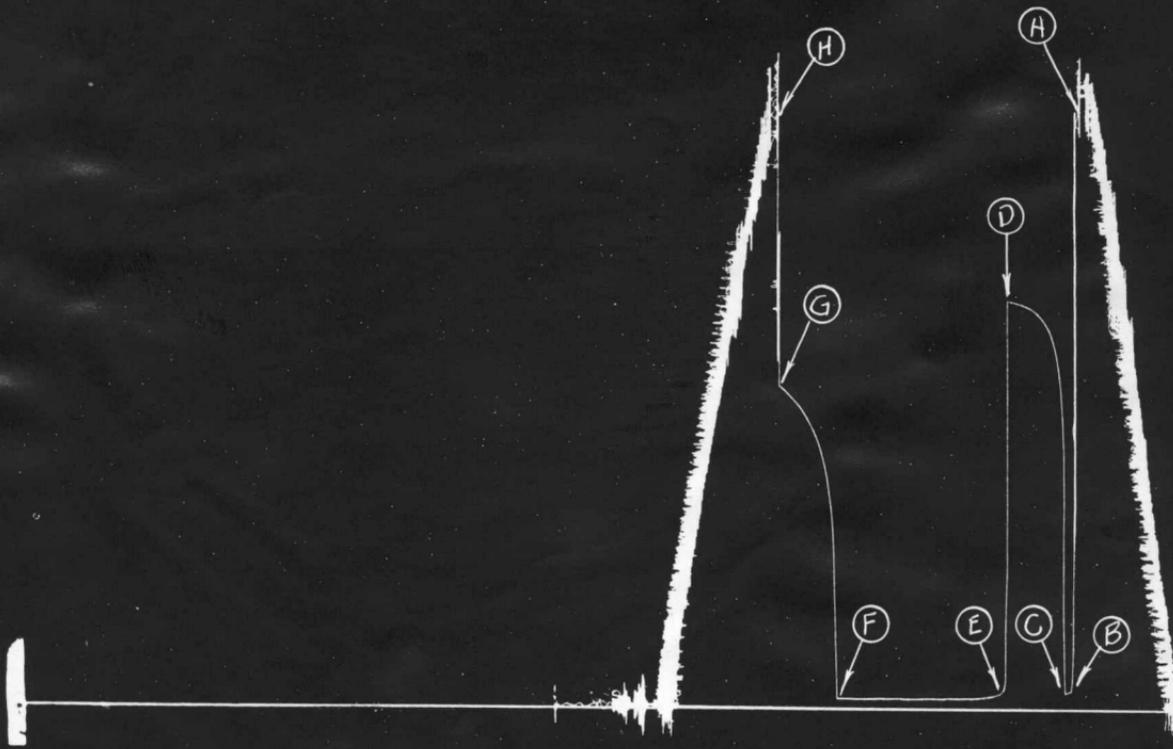
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1775</u> P.S.I.	Opened Tool	<u>5:18</u> A M	
B First Initial Flow Pressure	<u>18</u> P.S.I.	First Flow Pressure	<u>10</u> Mins.	<u>10</u> Mins.
C First Final Flow Pressure	<u>18</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1232</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>58</u> Mins.
E Second Initial Flow Pressure	<u>25</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>29</u> P.S.I.			
G Final Closed-in Pressure	<u>926</u> P.S.I.			
H Final Hydrostatic Mud	<u>1767</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: <u>2</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>3</u> Min.	Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Point Minutes	Point Minutes	Point Minutes	Point Minutes
P 1 <u>0</u>	<u>18</u>	<u>0</u>	<u>18</u>	<u>29</u>
P 2 <u>5</u>	<u>18</u>	<u>3</u>	<u>34</u>	<u>37</u>
P 3 <u>10</u>	<u>18</u>	<u>6</u>	<u>91</u>	<u>48</u>
P 4		<u>9</u>	<u>221</u>	<u>91</u>
P 5		<u>12</u>	<u>427</u>	<u>169</u>
P 6		<u>15</u>	<u>670</u>	<u>285</u>
P 7		<u>18</u>	<u>890</u>	<u>425</u>
P 8		<u>21</u>	<u>1073</u>	<u>551</u>
P 9		<u>24</u>	<u>1161</u>	<u>683</u>
P10		<u>27</u>	<u>1204</u>	<u>790</u>
P11		<u>30</u>	<u>1232</u>	<u>883</u>
P12			<u>55</u>	<u>29</u>
P13			<u>58</u>	<u>29</u>
P14				
P15				
P16				
P17				
P18				
P19				
P20				

RICKBELL DRUG CO.
KAUFMAN "E" # 1

TEST # 2
TKT # 5300





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

Company Pickrell Drilling Company Lease & Well No. Kaufman #B-1
Elevation 1577 Derrick Floor Formation Mississippi Ticket Number 5300
Date March 30, 1966 Sec. 7 Twp. 29 Range 6w County Kingman State Kansas
Test Approved by Ralph W. Ruwwe Western Representative George Tew

Formation Test No. 2 O.K. Misrun _____ Interval Tested From 4116' to 4130' Total Depth 4130'
Size Main Hole 7 7/8 Rat Hole none Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. _____ Damaged _____ Yes No
Packer Depth 4116 Ft. Size 6 3/4 Packer Depth 4111 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 14 Ft. Size 5 1/2 OD
RECORDERS Depth 4122 Ft. Clock No. 6896 Depth 4125 Ft. Clock No. 6866
Top Make Kuster Cap. 4200 No. 1559 ~~Inside~~ Outside Bottom Make Kuster Cap. 4150 No. 2605 ~~Inside~~ Outside
Below Straddle: Depth _____ Clock No. _____ Inside Depth _____ Ft. Clock No. _____ Outside
Top Make _____ Cap. _____ No. _____ Inside Bottom Make _____ Cap. _____ No. _____ Outside

Time Set Packer 11:12 P M
Tool Open I.F.P. From 11:15 M to 11:20 M Hr. 5 Min. From (B) _____ P.S.I. To (C) _____ 64 P.S.I.
Tool Closed I.C.I.P. From 11:20 M. to 11:50 M. Hr. 30 Min. (D) _____ 1529 P.S.I.
Tool Open F.F.P. From 11:50 M. to 1:20 M. 1 Hr. 30 Min. From (E) _____ P.S.I. To (F) _____ 41 P.S.I.
Tool Closed F.C.I.P. From 1:20 M. to 1:50 M. Hr. 30 Min. (G) _____ 1221 P.S.I.
Initial Hydrostatic Pressure (A) 2251 P.S.I. Final Hydrostatic Pressure (H) 2227 P.S.I.

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

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

Did Well Flow Yes _____ No _____ Recovery Total Ft. 60' gas cut drilling mud

Reversed Out _____ Yes No _____ Mud Type starch Viscosity 46 Weight 9.9 Maximum Temp. 120 °F

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

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

Length Drill Pipe 3136 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 960 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

WESTERN TESTING CO., INC.
Pressure Data

Date March 30, 1966
 Recorder No. 1559 Capacity 4200 Test Ticket No. 5300
 Clock No. 6896 Elevation 1577 Derrick Floor Location 4122 Ft.
 Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2251</u>	P.S.I.	<u>11:12P</u>	<u>M</u>
B First Initial Flow Pressure	<u>64</u>	P.S.I.	<u>5</u>	<u>5</u> Mins.
C First Final Flow Pressure	<u>64</u>	P.S.I.	<u>30</u>	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>1529</u>	P.S.I.	<u>90</u>	<u>88</u> Mins.
E Second Initial Flow Pressure	<u>54</u>	P.S.I.	<u>30</u>	<u>32</u> Mins.
F Second Final Flow Pressure	<u>41</u>	P.S.I.		
G Final Closed-in Pressure	<u>1221</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2227</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.
 Breakdown: 1 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

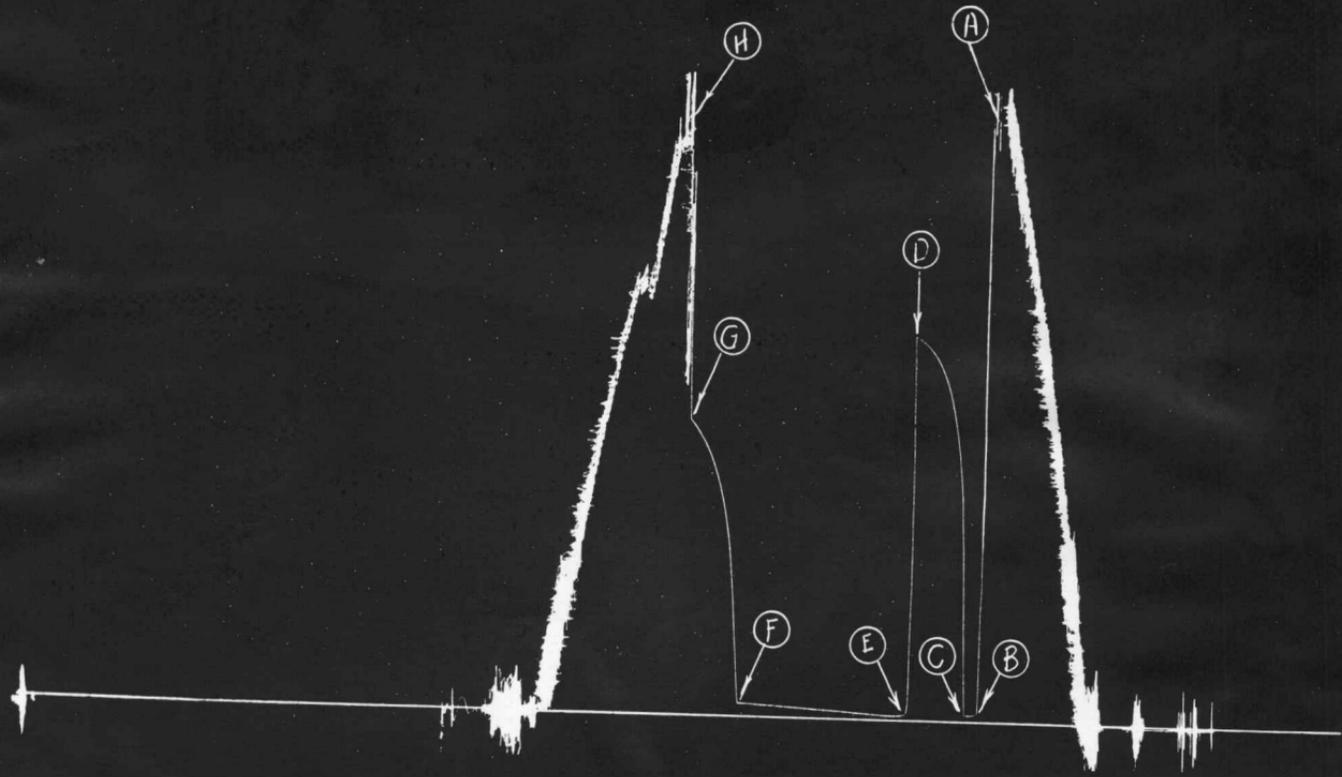
Second Flow Pressure
 Breakdown: 17 Inc.
 of 5 mins. and a
 final inc. of 3 Min.

Final Shut-In
 Breakdown: 10 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>64</u>	<u>0</u>	<u>64</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>41</u>
P 2 <u>5</u>	<u>64</u>	<u>3</u>	<u>1010</u>	<u>5</u>	<u>48</u>	<u>3</u>	<u>656</u>
P 3		<u>6</u>	<u>1271</u>	<u>10</u>	<u>45</u>	<u>6</u>	<u>878</u>
P 4		<u>9</u>	<u>1380</u>	<u>15</u>	<u>41</u>	<u>9</u>	<u>966</u>
P 5		<u>12</u>	<u>1432</u>	<u>20</u>	<u>41</u>	<u>12</u>	<u>1031</u>
P 6		<u>15</u>	<u>1468</u>	<u>25</u>	<u>41</u>	<u>15</u>	<u>1079</u>
P 7		<u>18</u>	<u>1485</u>	<u>30</u>	<u>41</u>	<u>18</u>	<u>1114</u>
P 8		<u>21</u>	<u>1500</u>	<u>35</u>	<u>41</u>	<u>21</u>	<u>1146</u>
P 9		<u>24</u>	<u>1512</u>	<u>40</u>	<u>41</u>	<u>24</u>	<u>1171</u>
P10		<u>27</u>	<u>1518</u>	<u>45</u>	<u>41</u>	<u>27</u>	<u>1192</u>
P11		<u>30</u>	<u>1525</u>	<u>50</u>	<u>41</u>	<u>30</u>	<u>1213</u>
P12		<u>33</u>	<u>1529</u>	<u>55</u>	<u>41</u>	<u>32</u>	<u>1221</u>
P13				<u>60</u>	<u>41</u>		
P14				<u>65</u>	<u>41</u>		
P15				<u>70</u>	<u>41</u>		
P16				<u>75</u>	<u>41</u>		
P17				<u>80</u>	<u>41</u>		
P18				<u>85</u>	<u>41</u>		
P19				<u>88</u>	<u>41</u>		
P20							

PICKRELL DRUG CO
KAUFMAN B¹/₁

TEST # 3
TKT # 4001





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

Company Pickrell Drilling Company Lease & Well No. Kaufman #B-1
Elevation 1577 Derrick Floor Formation Mississippi Ticket Number 4001
Date March 30, 1966 Sec. 7 Twp. 29 Range 6w County Kingman State Kansas
Test Approved by Ralph W. Ruwwe Western Representative George Tew

Formation Test No. 3 O.K. Misrun _____ Interval Tested From 4130' to 4150' Total Depth 4150'
Size Main Hole 7 7/8 Rat Hole none Conv. _____ B.T. Damaged Yes No Conv. B.T. _____ Damaged Yes No
Packer Depth 4130 Ft. Size 6 3/4 Packer Depth 4125 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 20 Ft. Size 5 1/2 OD

RECORDERS Depth 4142 Ft. Clock No. 6896 Depth 4145 Ft. Clock No. 6866

Top Make Kuster Cap. 4200 No. 1559 Inside Outside Bottom Make Kuster Cap. 4150 No. 2105 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 12:57 P M

Tool Open I.F.P. From 1:00 M to 1:05 M Hr. 5 Min. From (B) 27 P.S.I. To (C) 27 P.S.I.

Tool Closed I.C.I.P. From 1:05 M. to 1:35 M. Hr. 30 Min. (D) 1445 P.S.I.

Tool Open F.F.P. From 1:35 M. to 3:05 M. 1 Hr. 30 Min. From (E) 20 P.S.I. To (F) 52 P.S.I.

Tool Closed F.C.I.P. From 3:05P M. to 3:35 M. Hr. 30 Min. (G) 1114 P.S.I.

Initial Hydrostatic Pressure (A) 2257 P.S.I. Final Hydrostatic Pressure (H) 2202 P.S.I.

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

INFORMATION _____ M. _____

_____ (SEE ATTACHED SHEET) M. _____

_____ M. _____

BLOW STRONG. GAS TO SURFACE IN 6 minutes. Bottom Choke Size 3/4 In.

Did Well Flow Yes _____ No _____ Recovery Total Ft. 100' gas cut mud

Reversed Out Yes No _____ Mud Type starch Viscosity 46 Weight 9.9 Maximum Temp. 120 °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

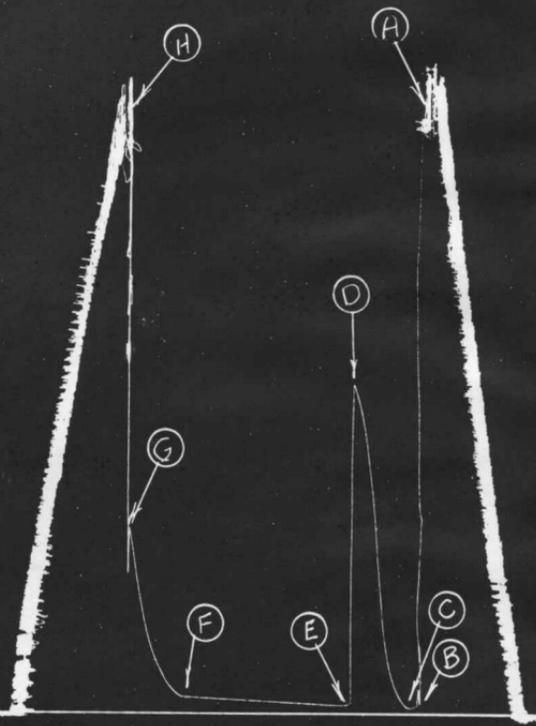
Length Drill Pipe 3150 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 960 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 40 ft.

Remarks _____

PICKFELL DRUG CO
KAUFMAN "B" #1

TEST #4
TKT #4002





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

Company Pickrell Drilling Company Lease & Well No. Kaufman #B-1
 Elevation 1577 Derrick Floor Formation Mississippi Ticker Number 4002
 Date March 31, 1966 Sec. 7 Twp. 29 Range 6w County Kingman State Kansas
 Test Approved by Ralph W. Ruwwe Western Representative George Tew

Formation Test No. 4 O.K. Misrun _____ Interval Tested From 4150' to 4168' Total Depth 4168'
 Size Main Hole 7 7/8 Rat Hole none Conv. _____ B.T. Damaged _____ Yes No Conv. B.T. _____ Damaged _____ Yes No
 Packer Depth 4150 Ft. Size 6 3/4 Packer Depth 4145 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 16 Ft. Size 5 1/2 OD
 RECORDERS Depth 4160 Ft. Clock No. 6896 Depth 4163 Ft. Clock No. 6866
 Top Make Kuster Cap. 4200 No. 1559 Inside Bottom Make Kuster Cap. 4150 No. 2605 Outside
 Below Straddle: Depth _____ Clock No. Outside Depth _____ Ft. Clock No. Outside
 Top Make _____ Cap. _____ No. Inside Bottom Make _____ Cap. _____ No. Outside

Time Set Packer 2:12 A M
 Tool Open I.F.P. From 2:15 M to 2:20 M Hr. 5 Min. From (B) _____ 20 P.S.I. To (C) _____ 20 P.S.I.
 Tool Closed I.C.I.P. From 2:20 M. to 2:50 M. Hr. 30 Min. (D) _____ 1236 P.S.I.
 Tool Open F.F.P. From 2:50 M. to 4:20 M. 1 Hr. 30 Min. From (E) _____ 31 P.S.I. To (F) _____ 60 P.S.I.
 Tool Closed F.C.I.P. From 4:20 M. to 4:50 M. Hr. 30 Min. (G) _____ 703 P.S.I.
 Initial Hydrostatic Pressure (A) _____ 2286 P.S.I. Final Hydrostatic Pressure (H) _____ 2263 P.S.I.

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

BLOW Fair throughout test. Bottom Choke Size 3/4 In.
 Did Well Flow _____ Yes No _____ Recovery Total Ft. 90' drilling mud with abundant spots of oil.

Reversed Out _____ Yes No _____ Mud Type starch Viscosity 54 Weight 9.8 Maximum Temp. _____ 120 °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 3172 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 960 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
 I. D. Drill Collars _____ in. Length D.S.T. Tool 36 ft.

Remarks _____

