



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

Company **Pickrell Drilling Company** Lease & Well No. **French #1**
Elevation **1499 Kelly Bushings** Formation **Kansas City** Ticket Number **8999**
Date **April 19, 1967** Sec. **9** Twp. **27s** Range **6W** County **Kingman** State **Kansas**
Test Approved by **Ralph W. Ruwe** Western Representative **Norman Allen**

Formation Test No. **1** O.K. Misrun Interval Tested From **3307'** to **3343'** Total Depth **3343'**
Size Main Hole **7 7/8** Bit Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth **3302** Ft. Size **6 3/4** Packer Depth **3307** 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 **3 6** Ft. Size **5 1/2 OD**

RECORDERS Depth **3314** Ft. Clock No. **6861** Depth **3317** Ft. Clock No. **6899**
Top Make **Kuster** Cap. **3150** No. **1560** Inside Outside Bottom Make **Kuster** Cap. **3200** No. **1561** Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside Outside
Top Make _____ Cap. _____ No. _____ Inside Outside Bottom Make _____ Cap. _____ No. _____ Inside Outside
Time Set Packer **11:48 A** M

Tool Open I.F.P. From **11:50** M to **12:00** M Hr. **10** Min. From (B) **17** P.S.I. To (C) **21** P.S.I.
Tool Closed I.C.I.P. From **12:00** M. to **12:30** M. Hr. **30** Min. (D) **1083** P.S.I.
Tool Open F.F.P. From **12:30** M. to **2:30** M. **2** Hr. Min. From (E) **25** P.S.I. To (F) **39** P.S.I.
Tool Closed F.C.I.P. From **2:30** M. to **3:30** M. **1** Hr. Min. (G) **573** P.S.I.
Initial Hydrostatic Pressure (A) **1779** P.S.I. Final Hydrostatic Pressure (H) **1771** P.S.I.

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

BLOW **Weak to vry weak 25 minutes; intermittent remainder of test.** Bottom Choke Size **3/4** In.
Did Well Flow Yes No Recovery Total Ft. **50' mud with few specks oil**

Reversed Out Yes No Mud Type **starch** Viscosity **42** Weight **10.2** Maximum Temp. **112** °F

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

Type Circ. Sub. **pin** Did Tool Plug? Where? _____ Did Packer Hold?

Length Drill Pipe **2367** D. Drill Pipe **3.8** Length Weight Pipe **900** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool **76** ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date April 19, 1967 Test Ticket No. 8999
 Recorder No. 6861 Capacity 3150 Location 3314 Ft.
 Clock No. 1560 Elevation 1499 Kelly Bushings Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1779	P.S.I.	11:50 A	
B First Initial Flow Pressure	17	P.S.I.	10	10
C First Final Flow Pressure	21	P.S.I.	30	28
D Initial Closed-in Pressure	1083	P.S.I.	120	117
E Second Initial Flow Pressure	25	P.S.I.	60	60
F Second Final Flow Pressure	39	P.S.I.		
G Final Closed-in Pressure	573	P.S.I.		
H Final Hydrostatic Mud	1771	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>9</u> Inc. of <u>3</u> mins. and a final inc. of <u>1</u> Min.	Breakdown: <u>23</u> Inc. of <u>5</u> mins. and a final inc. of <u>2</u> Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Point Minutes	Point Minutes
P 1	17	0	0	0
P 2	19	3	5	3
P 3	21	6	10	6
P 4		9	15	9
P 5		12	20	12
P 6		15	25	15
P 7		18	30	18
P 8		21	35	21
P 9		24	40	24
P10		27	45	27
P11		28 28	50	30
P12			55	33
P13			60	36
P14			65	39
P15			70	42
P16			75	45
P17			80	48
P18			85	51
P19			90	54
P20			95	57
			100	60
			105	
			110	
			115	
			117	

Pickrell DrLa. Co.
French #1

T.K.T.# 8999
Test# 1



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	1779	PSI
(B) First Initial Flow Pressure	17	PSI
(C) First Final Flow Pressure	21	PSI
(D) Initial Closed-in Pressure	1083	PSI
(E) Second Initial Flow Pressure	25	PSI
(F) Second Final Flow Pressure	39	PSI
(G) Final Closed-in Pressure	573	PSI
(H) Final Hydrostatic Mud	1771	PSI



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

Company Pickrell Drilling Company Lease & Well No. French #1
Elevation 1499 Kelly Bushings Formation Kansas City Ticket Number 9000
Date April 20, 1967 Sec. 9 Twp. 27s Range 6w County Kingman State Kansas
Test Approved by Ralph W. Ruwwe Western Representative Norman Allen

Formation Test No. 2 O.K. Misrun Interval Tested From 3390' to 3408' Total Depth 3408'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes no No Conv. B.T. Damaged Yes no No
Packer Depth 3385 Ft. Size 6 3/4 Packer Depth 3390 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 18 Ft. Size 5 1/2 OD

RECORDERS Depth 3401 Ft. Clock No. 6861 Depth 3404 Ft. Clock No. 6899
Top Make Kuster Cap. 3150 No. 1560 Inside Outside Bottom Make Kuster Cap. 3200 No. 1561 Inside Outside
Below Straddle: Depth _____ Clock No. _____ Depth _____ Ft. Clock No. _____
Top Make _____ Cap. _____ No. _____ Inside Outside Bottom Make _____ Cap. _____ No. _____ Inside Outside
Time Set Packer 5:53 A M

Tool Open I.F.P. From 5:55 M to 6:00 M Hr. 5 Min. From (B) 31 P.S.I. To (C) 139 P.S.I.
Tool Closed I.C.I.P. From 6:00 M. to 6:30 M. Hr. 30 Min. (D) 1466 P.S.I.
Tool Open F.F.P. From 6:30 M. to 8:00 M. 1 Hr. 30 Min. From (E) 173 P.S.I. To (F) 821 P.S.I.
Tool Closed F.C.I.P. From 8:00 M. to 9:00 M. 1 Hr. Min. (G) 1457 P.S.I.
Initial Hydrostatic Pressure (A) 1813 P.S.I. Final Hydrostatic Pressure (H) 1808 P.S.I.

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

BLOW Strong diminishing to fair at end of test. Bottom Choke Size 3/4 In.
Did Well Flow Yes No Recovery Total Ft. 120' gas in pipe; 120' very slightly oil cut water; 1440' salt water.

Reversed Out Yes No Mud Type starch Viscosity 42 Weight 10.2 Maximum Temp. 121 °F

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

Type Circ. Sub. pin Did Tool Plug? Where? _____ Did Packer Hold?

Length Drill Pipe 2470 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 900 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 38 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date April 20, 1967

Recorder No. 1560

Capacity 3150

Test Ticket No. 9000

Clock No. 6861

Elevation 1499 Kelly Bushings

Location 3401 Ft.

Well Temperature 121 °F

Point	Pressure
A Initial Hydrostatic Mud	<u>1813</u> P.S.I.
B First Initial Flow Pressure	<u>31</u> P.S.I.
C First Final Flow Pressure	<u>139</u> P.S.I.
D Initial Closed-in Pressure	<u>1466</u> P.S.I.
E Second Initial Flow Pressure	<u>173</u> P.S.I.
F Second Final Flow Pressure	<u>821</u> P.S.I.
G Final Closed-in Pressure	<u>1457</u> P.S.I.
H Final Hydrostatic Mud	<u>1808</u> P.S.I.

	Time Given	Time Computed
Opened Tool	<u>5:55A</u> M	
First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
Second Flow Pressure	<u>90</u> Mins.	<u>88</u> Mins.
Final Closed-in Pressure	<u>60</u> Mins.	<u>59</u> Mins.

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.

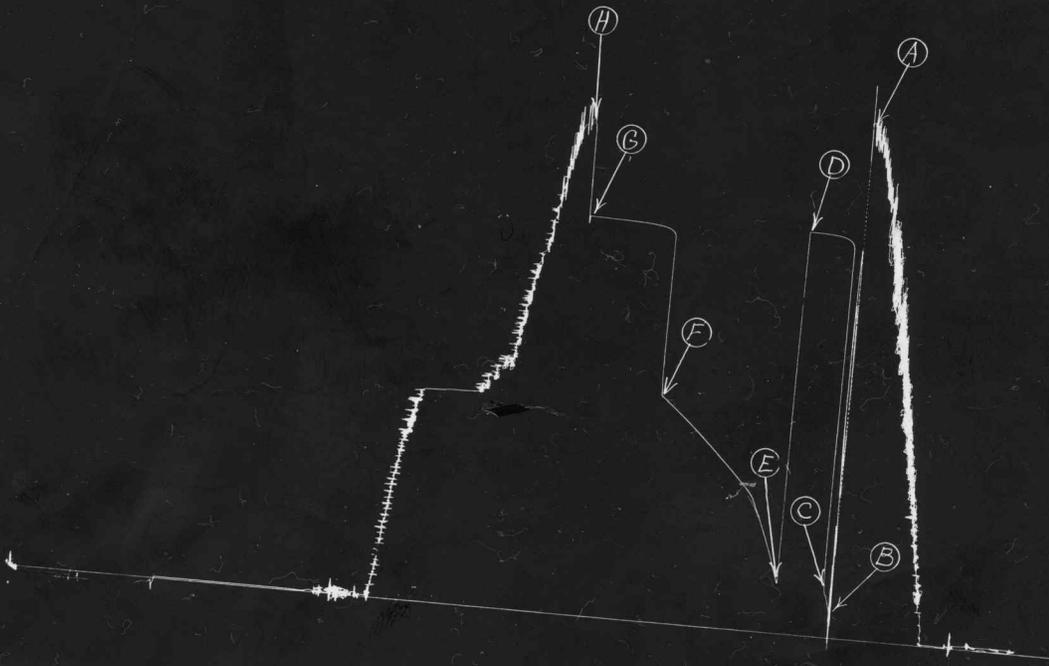
Second Flow Pressure
Breakdown: 17 Inc.
of 5 mins. and a
final inc. of 3 Min.

Final Shut-In
Breakdown: 19 Inc.
of 3 mins. and a
final inc. of 2 Min.

Point Mins.	First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>31</u>	<u>0</u>	<u>139</u>	<u>0</u>	<u>173</u>	<u>0</u>	<u>821</u>
P 2	<u>5</u>	<u>139</u>	<u>3</u>	<u>1449</u>	<u>5</u>	<u>239</u>	<u>3</u>	<u>1435</u>
P 3			<u>6</u>	<u>1457</u>	<u>10</u>	<u>318</u>	<u>6</u>	<u>1439</u>
P 4			<u>9</u>	<u>1461</u>	<u>15</u>	<u>389</u>	<u>9</u>	<u>1444</u>
P 5			<u>12</u>	<u>1463</u>	<u>20</u>	<u>457</u>	<u>12</u>	<u>1446</u>
P 6			<u>15</u>	<u>1465</u>	<u>25</u>	<u>502</u>	<u>15</u>	<u>1447</u>
P 7			<u>18</u>	<u>1465</u>	<u>30</u>	<u>531</u>	<u>18</u>	<u>1449</u>
P 8			<u>21</u>	<u>1466</u>	<u>35</u>	<u>562</u>	<u>21</u>	<u>1450</u>
P 9			<u>24</u>	<u>1466</u>	<u>40</u>	<u>587</u>	<u>24</u>	<u>1452</u>
P10			<u>27</u>	<u>1466</u>	<u>45</u>	<u>617</u>	<u>27</u>	<u>1453</u>
P11			<u>30</u>	<u>1466</u>	<u>50</u>	<u>642</u>	<u>30</u>	<u>1454</u>
P12					<u>55</u>	<u>672</u>	<u>33</u>	<u>1454</u>
P13					<u>60</u>	<u>697</u>	<u>36</u>	<u>1454</u>
P14					<u>65</u>	<u>722</u>	<u>39</u>	<u>1454</u>
P15					<u>70</u>	<u>744</u>	<u>42</u>	<u>1454</u>
P16					<u>75</u>	<u>767</u>	<u>45</u>	<u>1455</u>
P17					<u>80</u>	<u>791</u>	<u>48</u>	<u>1455</u>
P18					<u>85</u>	<u>811</u>	<u>51</u>	<u>1456</u>
P19					<u>88</u>	<u>821</u>	<u>54</u>	<u>1456</u>
P20							<u>57</u>	<u>1457</u>
							<u>59</u>	<u>1457</u>

Pickrell Drllg Co.
French #1

T.K.T.# 9000
Test # 2

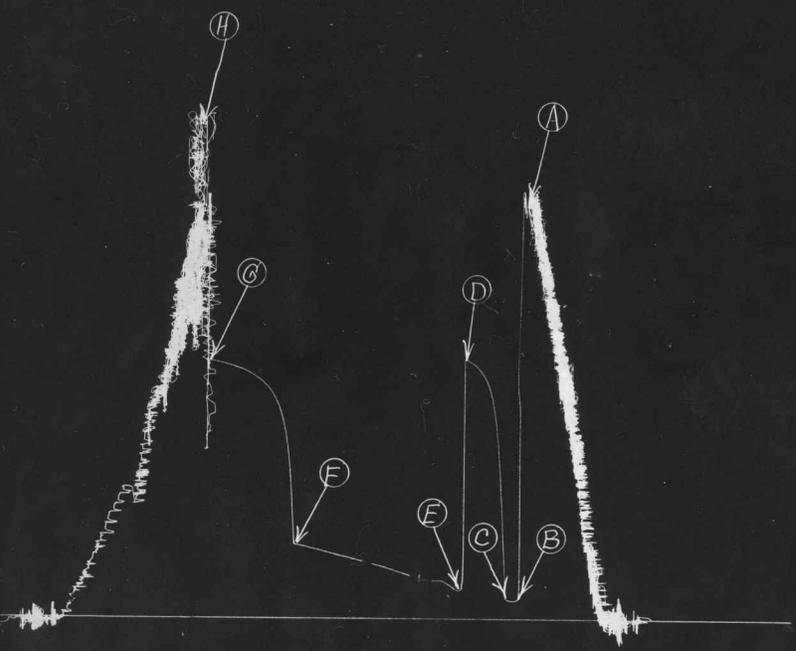


This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	1813	PSI
(B) First Initial Flow Pressure	31	PSI
(C) First Final Flow Pressure	139	PSI
(D) Initial Closed-in Pressure	1466	PSI
(E) Second Initial Flow Pressure	173	PSI
(F) Second Final Flow Pressure	821	PSI
(G) Final Closed-in Pressure	1457	PSI
(H) Final Hydrostatic Mud	1808	PSI

Pickrell DrLg. Co.
French #1

T.K.T. # 7868
Test # 3



This is an actual photograph of recorder chart.

POINT	PRESSURE	PSI
(A) Initial Hydrostatic Mud	2073	PSI
(B) First Initial Flow Pressure	97	PSI
(C) First Final Flow Pressure	118	PSI
(D) Initial Closed-in Pressure	1315	PSI
(E) Second Initial Flow Pressure	162	PSI
(F) Second Final Flow Pressure	391	PSI
(G) Final Closed-in Pressure	1309	PSI
(H) Final Hydrostatic Mud	2061	PSI

COMPANY PICKRELL DRILLING COMPANY LEASE AND WELL NO. FRENCH #1 SEC. 9 TWP. 27 RGE. 6 TEST NO. 3 DATE

4-21-1



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

Company **Pickrell Drilling Company** Lease & Well No. **French #1**
Elevation **1496 Derrick Floor** Formation **Mississippi** Ticket Number **7868**
Date **April 21, 1967** Sec. **9** Twp. **27** Range **6** County **Kingman** State **Kansas**
Test Approved by **Ralph W. Runwe** Western Representative **Leon Elmore**

Formation Test No. **3** O.K. Misrun Interval Tested From **3728'** to **3755'** Total Depth **3755'**
Size Main Hole **7 7/8** Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth **3723** Ft. Size **6 3/4** Packer Depth **3728** Ft. Size **6 3/4**
Straddle Yes No Conv. B.T. Damaged Yes No

Tool Size **5 1/2 OD** Tool Jt. Size **4 1/2 FH** Anchor Length **27** Ft. Size **5 1/2 OD**
RECORDERS Depth **3747** Ft. Clock No. **6894** Depth **3750** Ft. Clock No. **5665**
Top Make **Kuster** Cap. **4400** No. **2603** Inside Outside Bottom Make **Kuster** Cap. **4300** No. **1566** Inside Outside
Below Straddle: Depth _____ Clock No. _____ Inside Outside
Top Make _____ Cap. _____ No. _____ Inside Outside
Bottom Make _____ Cap. _____ No. _____ Inside Outside
Time Set Packer **3:14 P** M

Tool Open I.F.P. From **3:16** M to **3:26** M Hr. **10** Min. From (B) **97** P.S.I. To (C) **118** P.S.I.
Tool Closed I.C.I.P. From **3:26** M. to **3:56** M. Hr. **30** Min. (D) **1315** P.S.I.
Tool Open F.F.P. From **3:56** M. to **5:56** M. **2** Hr. Min. From (E) **162** P.S.I. To (F) **391** P.S.I.
Tool Closed F.C.I.P. From **5:56** M. to **6:56** M. **1** Hr. Min. (G) **1309** P.S.I.
Initial Hydrostatic Pressure (A) **2073** P.S.I. Final Hydrostatic Pressure (H) **2061** P.S.I.

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

BLOW **Strong** Bottom Choke Size **3/4** In.

Did Well Flow Yes No Recovery Total Ft. **1200' total: 120' heavy gas cut, slightly oil cut mud; 360' gas cut, slightly oil cut muddy water; 720' salt water with scum oil** Mud

Reversed Out Yes No Mud Type **starch** Viscosity **46** Weight **10.3** Maximum Temp. **130** °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 **2651** ft. I.D. Drill Pipe **3.8** in Length Weight Pipe **952** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars _____ ft.
I. D. Drill Collars _____ in. Length D.S.T. Tool **47** ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date April 21, 1967
Recorder No. 2603
Clock No. 6894

Capacity 4400 Location 3747 Ft.
Elevation 1496 Derrick Floor Well Temperature 130 °F
Test Ticket No. 7868

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2073	P.S.I.	3 :16 P	
B First Initial Flow Pressure	97	P.S.I.	10	10
C First Final Flow Pressure	118	P.S.I.	30	30
D Initial Closed-in Pressure	1315	P.S.I.	120	118
E Second Initial Flow Pressure	162	P.S.I.	60	60
F Second Final Flow Pressure	391	P.S.I.		
G Final Closed-in Pressure	1309	P.S.I.		
H Final Hydrostatic Mud	2061	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>23</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>3</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>0</u>	<u>118</u>	<u>0</u>	<u>162</u>	<u>0</u>	<u>391</u>
P 2	<u>5</u>	<u>3</u>	<u>564</u>	<u>5</u>	<u>171</u>	<u>3</u>	<u>758</u>
P 3	<u>10</u>	<u>6</u>	<u>889</u>	<u>10</u>	<u>194</u>	<u>6</u>	<u>913</u>
P 4		<u>9</u>	<u>1082</u>	<u>15</u>	<u>209</u>	<u>9</u>	<u>1039</u>
P 5		<u>12</u>	<u>1168</u>	<u>20</u>	<u>211</u>	<u>12</u>	<u>1091</u>
P 6		<u>15</u>	<u>1219</u>	<u>25</u>	<u>217</u>	<u>15</u>	<u>1128</u>
P 7		<u>18</u>	<u>1248</u>	<u>30</u>	<u>223</u>	<u>18</u>	<u>1164</u>
P 8		<u>21</u>	<u>1273</u>	<u>35</u>	<u>223</u>	<u>21</u>	<u>1186</u>
P 9		<u>24</u>	<u>1290</u>	<u>40</u>	<u>223</u>	<u>24</u>	<u>1206</u>
P10		<u>27</u>	<u>1306</u>	<u>45</u>	<u>257</u>	<u>27</u>	<u>1222</u>
P11		<u>30</u>	<u>1315</u>	<u>50</u>	<u>257</u>	<u>30</u>	<u>1235</u>
P12				<u>55</u>	<u>257</u>	<u>33</u>	<u>1246</u>
P13				<u>60</u>	<u>287</u>	<u>36</u>	<u>1257</u>
P14				<u>65</u>	<u>287</u>	<u>39</u>	<u>1266</u>
P15				<u>70</u>	<u>287</u>	<u>42</u>	<u>1275</u>
P16				<u>75</u>	<u>316</u>	<u>45</u>	<u>1282</u>
P17				<u>80</u>	<u>316</u>	<u>48</u>	<u>1288</u>
P18				<u>85</u>	<u>316</u>	<u>51</u>	<u>1293</u>
P19				<u>90</u>	<u>343</u>	<u>54</u>	<u>1297</u>
P20				<u>95</u>	<u>343</u>	<u>57</u>	<u>1304</u>
				<u>100</u>	<u>343</u>	<u>60</u>	<u>1309</u>
				<u>105</u>	<u>370</u>		
				<u>110</u>	<u>370</u>		
				<u>115</u>	<u>370</u>		
				<u>118</u>	<u>391</u>		



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

Company Pickrell Drilling Company Lease & Well No. French #1
Elevation 1496 Derrick Floor Formation Viola Ticket Number 7878
Date April 24, 1967 Sec. 9 Twp 27s Range 6w County Kingman State Kansas
Test Approved by Ralph W. Ruwe Western Representative George Tew

Formation Test No. 4 O.K. Misrun Interval Tested From 4062' to 4075' Total Depth 4075'
Size Main Hole 7 7/8 Rat Hole none Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Packer Depth 4062 Ft. Size 6 3/4 Packer Depth 4057 Ft. Size 6 3/4
Straddle Yes No Conv. B.T. Damaged Yes No

Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Packer Depth 4062 Ft. Size 6 3/4
Anchor Length 13 Ft. Size 5 1/2 OD
RECORDERS
Depth 4067 Ft. Clock No. 6896 Depth 4070 Ft. Clock No. 6866
Top Make Kuster Cap. 4200 No. 1559 ~~Inside~~ Bottom Make Kuster Cap. 4150 No. 2605 ~~Inside~~
Below Straddle: Depth 4067 Ft. Clock No. 1559 ~~Inside~~ Depth 4070 Ft. Clock No. 6866 ~~Inside~~
Top Make 4:25 P Cap. M ~~Inside~~ Depth 4067 Ft. Clock No. 1559 ~~Inside~~
Time Set Packer 4:25 P M ~~Inside~~ Bottom Make 4150 Cap. 2605 ~~Inside~~

Tool Open I.F.P. From 4:25P M to 4:30 M Hr. 5 Min. From (B) 175 P.S.I. To (C) 410 P.S.I.
Tool Closed I.C.I.P. From 4:30P M. to 5:00 M. Hr. 30 Min. (D) 1391 P.S.I.
Tool Open F.F.P. From 5:00P M. to 6:00 M. Hr. 1 Min. From (E) 470 P.S.I. To (F) 1350 P.S.I.
Tool Closed F.C.I.P. From 6:00 M. to 6:30P M. Hr. 30 Min. (G) 1390 P.S.I.
Initial Hydrostatic Pressure (A) 2189 P.S.I. Final Hydrostatic Pressure (H) 2156 P.S.I.

SURFACE INFORMATION
Size Choke 1/2 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
M. _____
M. _____
M. _____

BLOW Strong blow throughout.
Did Well Flow Yes No Recovery Total Ft. 3150' total; 120' slightly oil cut watery mud; Bottom Choke Size _____ In.
3,030 very slightly oil cut black sulphur water.

Reversed Out Yes No Mud Type starch Viscosity 51 Weight 10.4 Maximum Temp. 136 °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 3142 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 900 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.
D. Drill Collars _____ in. Length D.S.T. Tool 33 ft.

Remarks _____

WESTERN TESTING CO., INC.
Pressure Data

Date April 24, 1967

Test Ticket No. 7878

Recorder No. 2605

Capacity 4150

Location 4070 Ft.

Clock No. 6866

Elevation 1496 Derrick Floor

Well Temperature 136 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2189</u> P.S.I.	Opened Tool	<u>4 :23 PM</u>	
B First Initial Flow Pressure	<u>175</u> P.S.I.	First Flow Pressure	<u>5</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>410</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1391</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>470</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>1350</u> P.S.I.			
G Final Closed-in Pressure	<u>1390</u> P.S.I.			
H Final Hydrostatic Mud	<u>2156</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.

Breakdown: 1 Inc.
of 5 mins. and a
final inc. of Min.

Initial Shut-In

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

Second Flow Pressure

Breakdown: 12 Inc.
of 5 mins. and a
final inc. of Min.

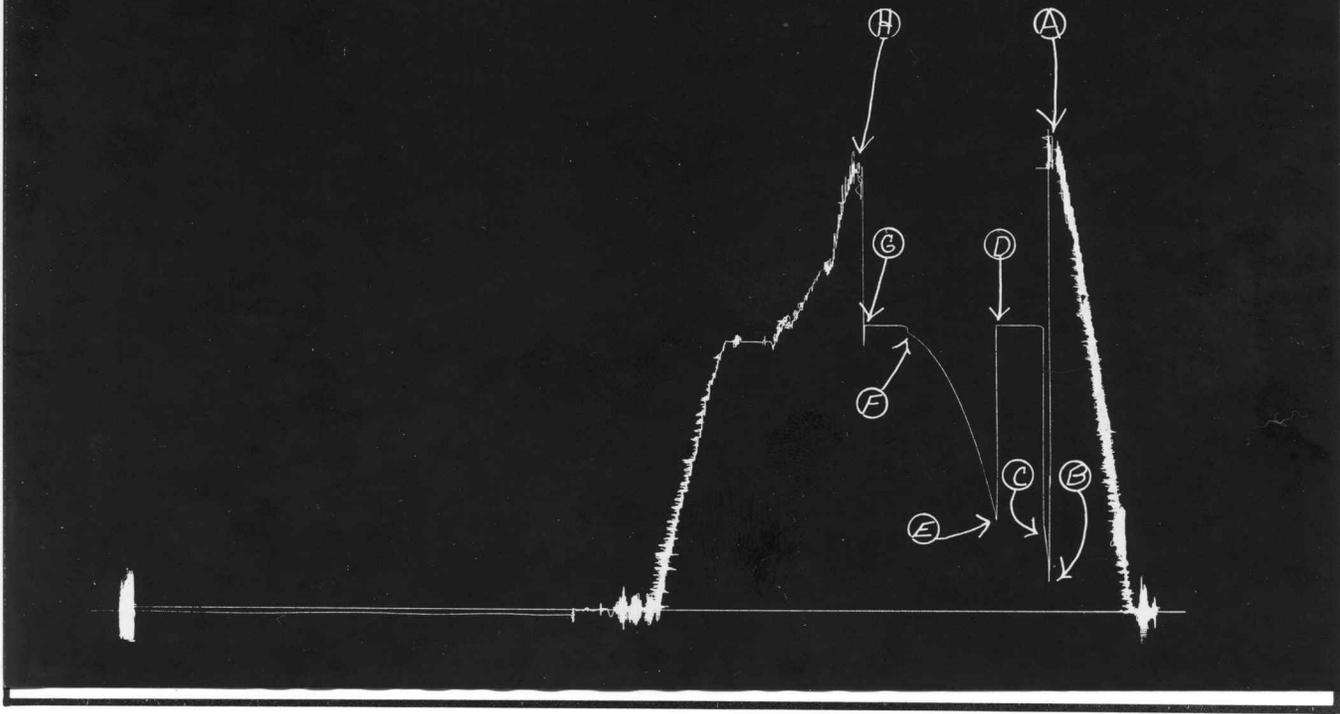
Final Shut-In

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

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>175</u>	<u>0</u>	<u>410</u>	<u>0</u>	<u>470</u>	<u>0</u>	<u>1350</u>
P 2 <u>5</u>	<u>410</u>	<u>3</u>	<u>1368</u>	<u>5</u>	<u>591</u>	<u>3</u>	<u>1385</u>
P 3		<u>6</u>	<u>1387</u>	<u>10</u>	<u>711</u>	<u>6</u>	<u>1389</u>
P 4		<u>9</u>	<u>1389</u>	<u>15</u>	<u>829</u>	<u>9</u>	<u>1390</u>
P 5		<u>12</u>	<u>1391</u>	<u>20</u>	<u>929</u>	<u>12</u>	<u>1390</u>
P 6		<u>15</u>	<u>1391</u>	<u>25</u>	<u>1024</u>	<u>15</u>	<u>3190</u>
P 7		<u>18</u>	<u>1391</u>	<u>30</u>	<u>1098</u>	<u>18</u>	<u>1390</u>
P 8		<u>21</u>	<u>1391</u>	<u>35</u>	<u>1163</u>	<u>21</u>	<u>1390</u>
P 9		<u>24</u>	<u>1391</u>	<u>40</u>	<u>1216</u>	<u>24</u>	<u>1390</u>
P10		<u>27</u>	<u>1391</u>	<u>45</u>	<u>1262</u>	<u>27</u>	<u>1390</u>
P11		<u>30</u>	<u>1391</u>	<u>50</u>	<u>1305</u>	<u>30</u>	<u>1390</u>
P12				<u>55</u>	<u>1335</u>		
P13				<u>60</u>	<u>1350</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Pickrell Drlg Co.
French #1

TKT-7878
Test #4



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2189	PSI
(B) First Initial Flow Pressure	175	PSI
(C) First Final Flow Pressure	410	PSI
(D) Initial Closed-in Pressure	1391	PSI
(E) Second Initial Flow Pressure	470	PSI
(F) Second Final Flow Pressure	1350	PSI
(G) Final Closed-in Pressure	1390	PSI
(H) Final Hydrostatic Mud	2156	PSI