

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

Company Pickrell Drilling Company Lease & Well No. Ravenstein #C-2  
Elevation 1491 Derrick Floor Formation Kansas City Ticket Number 5372  
Date April 8, 1966 Sec. 4 Twp. 30 Range 6 County Kingman State Kansas  
Test Approved by Ralph W. Ruwwe Western Representative Leon Elmore

Formation Test No. 1 O.K.  Misrun  Interval Tested From 3675' to 3690' Total Depth 3690'  
Size Main Hole 7 7/8 Rat Hole  Conv.  B.T.  Damaged Yes  No Conv.  B.T.  Damaged Yes  No  
Packer Depth 3670 Ft. Size 6 3/4 Packer Depth 3675 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 15 Ft. Size 5 1/2 OD

RECORDERS Depth 3683 Ft. Clock No. 8378 Depth 3686 Ft. Clock No. 5665  
Top Make Kuster Cap. 4300 No. 1560 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 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 9:15 A M  
Tool Open I.F.P. From 9:18 M to 9:24 M Hr. 6 Min. From (B) \_\_\_\_\_ P.S.I. To (C) 45 P.S.I.  
Tool Closed I.C.I.P. From 9:34 M to 9:54 M Hr. 30 Min. (D) \_\_\_\_\_ P.S.I. 1233 P.S.I.  
Tool Open F.F.P. From 9:54 M to 11:24 M 1 Hr. 30 Min. From (E) 71 P.S.I. To (F) 228 P.S.I.  
Tool Closed F.C.I.P. From 11:24 M to 11:54 M Hr. 30 Min. (G) \_\_\_\_\_ P.S.I. 1194 P.S.I.  
Initial Hydrostatic Pressure (A) 1969 P.S.I. Final Hydrostatic Pressure (H) 1951 P.S.I.

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

BLOW Strong Bottom Choke Size 3/4 In.  
Did Well Flow Yes  No  Recovery Total Ft. 1980' gas in pipe; 40' oil and gas cut mud; 60' slightly oil cut mud; 300' salt water. Mud

Reversed Out Yes  No  Mud Type starch Viscosity 38 Weight 9.9 Maximum Temp. 128 °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 2455 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1075 ft. I.D. Weight Pipe 2.7 in Length Drill Collars \_\_\_\_\_ ft.

I. D. Drill Collars \_\_\_\_\_ in. Length D.S.T. Tool 35 ft.

Remarks

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date April 8, 1966 Test Ticket No. 5372  
 Recorder No. 1566 Capacity 4300 Location 3683 Ft.  
 Clock No. 8378 Elevation 1491 Derrick Floor Well Temperature 128 °F

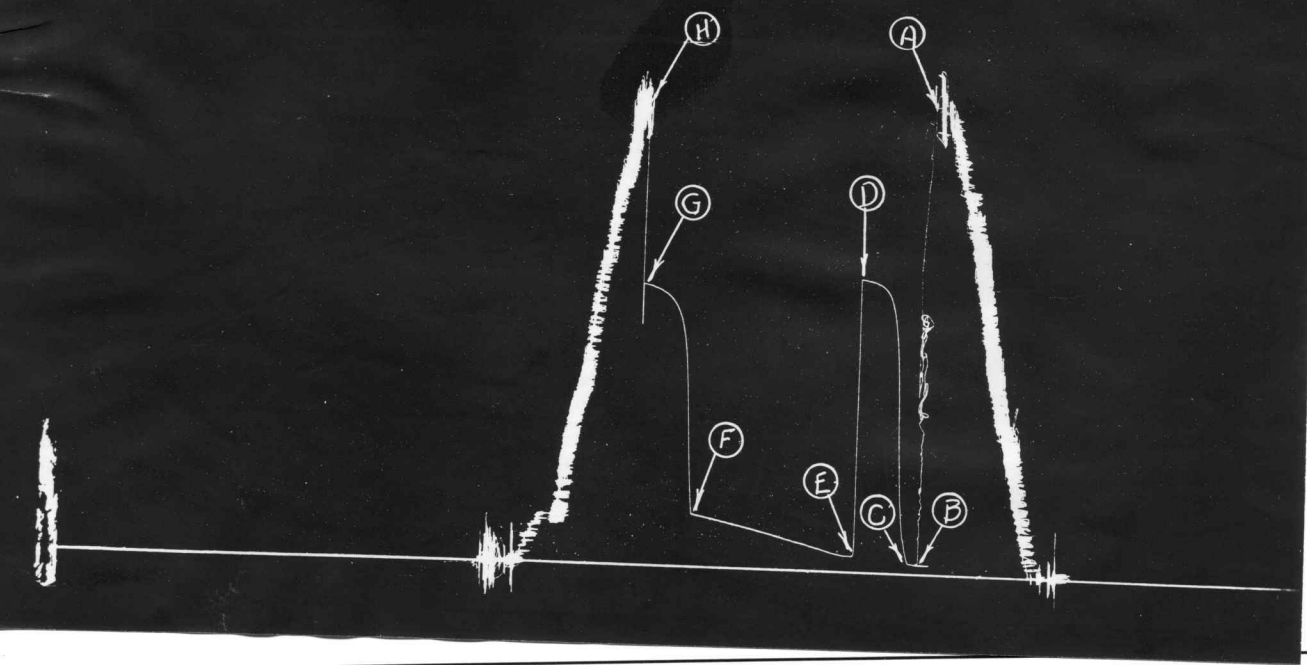
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1969</u>	P.S.I.	<u>9:15 A</u>	<u>M</u>
B First Initial Flow Pressure	<u>45</u>	P.S.I.	<u>6</u>	<u>Mins.</u>
C First Final Flow Pressure	<u>45</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
D Initial Closed-in Pressure	<u>1233</u>	P.S.I.	<u>90</u>	<u>Mins.</u>
E Second Initial Flow Pressure	<u>71</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
F Second Final Flow Pressure	<u>228</u>	P.S.I.		
G Final Closed-in Pressure	<u>1194</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1951</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>18</u> Inc.		Breakdown: <u>10</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>1</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>45</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>71</u>	<u>0</u>	<u>228</u>
P 2 <u>5</u>	<u>45</u>	<u>3</u>	<u>138</u>	<u>5</u>	<u>72</u>	<u>3</u>	<u>521</u>
P 3 <u>6</u>	<u>45</u>	<u>6</u>	<u>363</u>	<u>10</u>	<u>77</u>	<u>6</u>	<u>926</u>
P 4		<u>9</u>	<u>817</u>	<u>15</u>	<u>90</u>	<u>9</u>	<u>1059</u>
P 5		<u>12</u>	<u>1068</u>	<u>20</u>	<u>101</u>	<u>12</u>	<u>1113</u>
P 6		<u>15</u>	<u>1166</u>	<u>25</u>	<u>112</u>	<u>15</u>	<u>1143</u>
P 7		<u>18</u>	<u>1201</u>	<u>30</u>	<u>120</u>	<u>18</u>	<u>1162</u>
P 8		<u>21</u>	<u>1216</u>	<u>35</u>	<u>131</u>	<u>21</u>	<u>1175</u>
P 9		<u>24</u>	<u>1224</u>	<u>40</u>	<u>140</u>	<u>24</u>	<u>1181</u>
P10		<u>27</u>	<u>1231</u>	<u>45</u>	<u>151</u>	<u>27</u>	<u>1190</u>
P11		<u>30</u>	<u>1233</u>	<u>50</u>	<u>159</u>	<u>30</u>	<u>1194</u>
P12				<u>55</u>	<u>168</u>		
P13				<u>60</u>	<u>177</u>		
P14				<u>65</u>	<u>187</u>		
P15				<u>70</u>	<u>196</u>		
P16				<u>75</u>	<u>205</u>		
P17				<u>80</u>	<u>213</u>		
P18				<u>85</u>	<u>220</u>		
P19				<u>90</u>	<u>228</u>		
P20							

PICKRELL DRIG. CO.  
 RAVENSTEIN "C" #2

TEST #1  
 TKI #5372



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud .....	1969	PSI
(B) First Initial Flow Pressure .....	45	PSI
(C) First Final Flow Pressure .....	45	PSI
(D) Initial Closed-in Pressure .....	1233	PSI
(E) Second Initial Flow Pressure .....	71	PSI
(F) Second Final Flow Pressure .....	228	PSI
(G) Final Closed-in Pressure .....	1194	PSI
(H) Final Hydrostatic Mud .....	1951	PSI

COMPANY PICKRELL DRILLING CO. LEASE AND WELL NO. RAVENSTEIN #C-2 SEC. 4 TWP. 30 RGE. 6 TEST NO. 1 DATE 4-8-66



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

Company Pickrell Drilling Company Lease & Well No. Ravenstein #C-2  
Elevation 1491 Derrick Floor Formation Kansas City Ticket Number 5373  
Date April 8, 1966 Sec. 4 Twp. 30 Range 6 County Kingman State Kansas  
Test Approved by Ralph W. Ruwwe Western Representative Leon Elmore

Formation Test No. 2 O.K.  Misrun Interval Tested From 3709' to 3725' Total Depth 3725'  
Size Main Hole 7 7/8 Rat Hole Conv.  B.T. Damaged Yes  No Conv. B.T.  Damaged Yes  No  
Packer Depth 3704' Ft. Size 6 3/4 Packer Depth 3709' 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 3718 Ft. Clock No. 8376 Depth 3721 Ft. Clock No. 5665  
Top Make Kuster Cap. 4300 No. 1566 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside  
Below Straddle: Depth Clock No. Depth Ft. Clock No. Inside Outside  
Top Make Cap. No. Inside Outside Bottom Make Cap. No. Inside Outside

Time Set Packer 9:57 P M  
Tool Open I.F.P. From 10:02 M to 10:08 M Hr. 6 Min. From (B) 30 P.S.I. To (C) 30 P.S.I.  
Tool Closed I.C.I.P. From 10:08 M. to 10:38 M. Hr. 30 Min. (D) 482 P.S.I.  
Tool Open F.F.P. From 10:38 M. to 11:38 M. 1 Hr. Min. From (E) 32 P.S.I. To (F) 43 P.S.I.  
Tool Closed F.C.I.P. From 11:38 M. to 12:08 M. Hr. 30 Min. (G) 64 P.S.I.  
Initial Hydrostatic Pressure (A) 1986 P.S.I. Final Hydrostatic Pressure (H) 1976 P.S.I.

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

BLOW Weak. Died in 2 minutes. Bottom Choke Size \_\_\_\_\_ In.  
Did Well Flow Yes  No Recovery Total Ft. 20' mud

Reversed Out Yes No Mud Type starch Viscosity 38 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 2490 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1075 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars \_\_\_\_\_ ft.

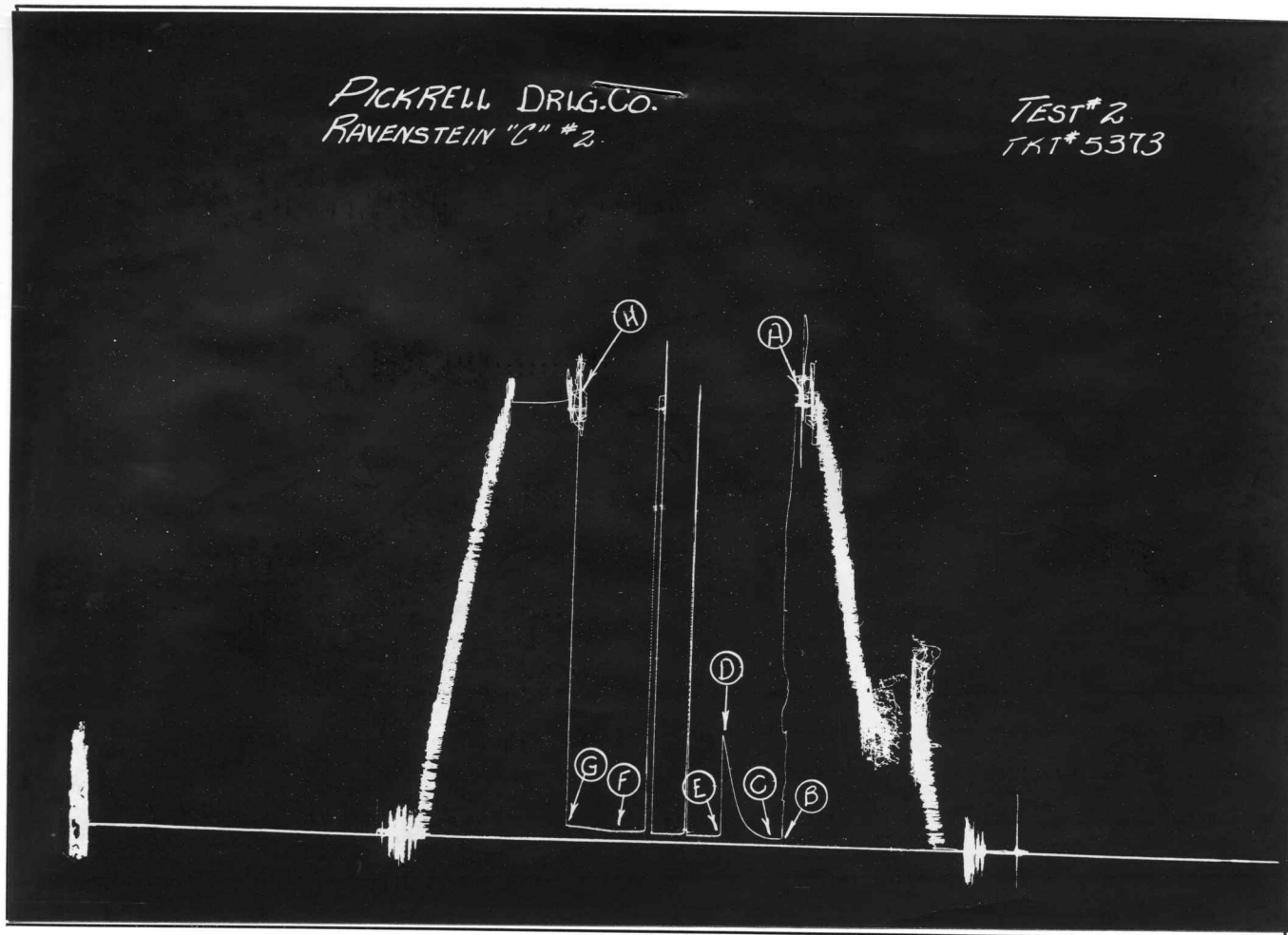
I. D. Drill Collars \_\_\_\_\_ in. Length D.S.T. Tool 36 ft.

Remarks Open for F.F. No blow. Flushed tool 20 & 40 minutes. No blow.



PICKRELL DRIG.CO.  
 RAVENSTEIN "C" #2

TEST #2  
 TKT #5373



This is an actual photograph of recorder chart.

POINT	PRESSURE
(A) Initial Hydrostatic Mud .....	1986 PSI
(B) First Initial Flow Pressure .....	30 PSI
(C) First Final Flow Pressure .....	30 PSI
(D) Initial Closed-in Pressure .....	482 PSI
(E) Second Initial Flow Pressure .....	32 PSI
(F) Second Final Flow Pressure .....	43 PSI
(G) Final Closed-in Pressure .....	64 PSI
(H) Final Hydrostatic Mud .....	1976 PSI

COMPANY PICKRELL DRILLING CO. LEASE AND WELL NO. RAVENSTEIN #C-2 SEC. 4 TWP. 30 RGE. 6 TEST NO. 2 DATE 4-8-