



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

Company Pickrell Drlg. Co. Lease & Well No. Campbell # 1
Elevation None Formation Tarkio Ticket Number 8653
Date 7-9-67 Sec. 14 Twp. 8s Range 28w County Sheridan State Kansas
Test Approved by Ralph W. Ruwwe Western Representative Kenneth Cheney

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 3452' to 3505' Total Depth 3505'
Size Main Hole 7 5/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Top Packer Depth 3448 Ft. Size 6 3/4 Packer Depth 3452 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 53 Ft. Size 5 1/2" O.D.

RECORDERS	Depth <u>3467</u>	Ft.	Clock No. <u>6860</u>	Depth <u>3469</u>	Ft.	Clock No. <u>8378</u>	
	Top Make <u>Kuster</u>	Cap. <u>4150</u>	No. <u>2608</u>	Inside <u>Outside</u>	Bottom Make <u>Kuster</u>	Cap. <u>4150</u>	No. <u>1558</u>
				☒ <u>Outside</u>			☒ <u>Outside</u>
Below Straddle: Depth _____		Clock No. _____		Inside _____	Depth _____	Ft. _____	Clock No. _____
				<u>Outside</u>			<u>Outside</u>
Top Make _____	Cap. _____	No. _____		Inside _____	Bottom Make _____	Cap. _____	No. _____
				<u>Outside</u>			<u>Outside</u>

Time Set Packer 5:38 A. M
Tool Open I.F.P. From 5:40 A.M to 5:45 A.M Hr. 5 Min. From (B) 41 P.S.I. To (C) 62 P.S.I.
Tool Closed I.C.I.P. From 5:45 A.M. to 6:15 A.M. Hr. 30 Min. (D) 1177 P.S.I.
Tool Open F.F.P. From 6:15 A M. to 7:45 A M. 1 Hr. 30 Min. From (E) 104 P.S.I. To (F) 451 P.S.I.
Tool Closed F.C.I.P. From 7:45 M. to 8:45 M. 1 Hr. - - Min. (G) 1136 P.S.I.
Initial Hydrostatic Pressure (A) 1871 P.S.I. Final Hydrostatic Pressure (H) 1856 P.S.I.

SURFACE	Size Choke <u>3/8</u> In.	Max. Press. P.S.I.	Time	Description of Flow
INFORMATION	_____	_____	M.	_____
	_____	_____	M.	_____
	_____	_____	M.	_____

BLOW Fair Throughout. First one hour; Decreasing last thirty minutes Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 900' fluid; 180' mud with few spots of oil; 720' muddy salt water with spots of oil Mud

Reversed Out ☒ Yes _____ No _____ Mud Type starch Viscosity 42 Weight 10.0 Maximum Temp. 112 °F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size 3 1/2 Make Bowen Ser. No. 986

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

Length Drill Pipe 2825 ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 600 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 80 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 7-9-67

Recorder No. 2608

Test Ticker No. 8653

Clock No. 6860

Capacity 4150

Location 3467

Ft.

Elevation None

Well Temperature 112

°F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1871</u>	P.S.I.	<u>5:38 A.</u>	M
B First Initial Flow Pressure	<u>41</u>	P.S.I.	<u>5</u>	Mins. <u>5</u> Mins.
C First Final Flow Pressure	<u>62</u>	P.S.I.	<u>30</u>	Mins. <u>31</u> Mins.
D Initial Closed-in Pressure	<u>1177</u>	P.S.I.	<u>90</u>	Mins. <u>89</u> Mins.
E Second Initial Flow Pressure	<u>104</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
F Second Final Flow Pressure	<u>451</u>	P.S.I.		
G Final Closed-in Pressure	<u>1136</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1856</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 43 mins. and a
final inc. of 1 Min.

Second Flow Pressure

Breakdown: 17 Inc.
of 5 mins. and a
final inc. of 4 Min.

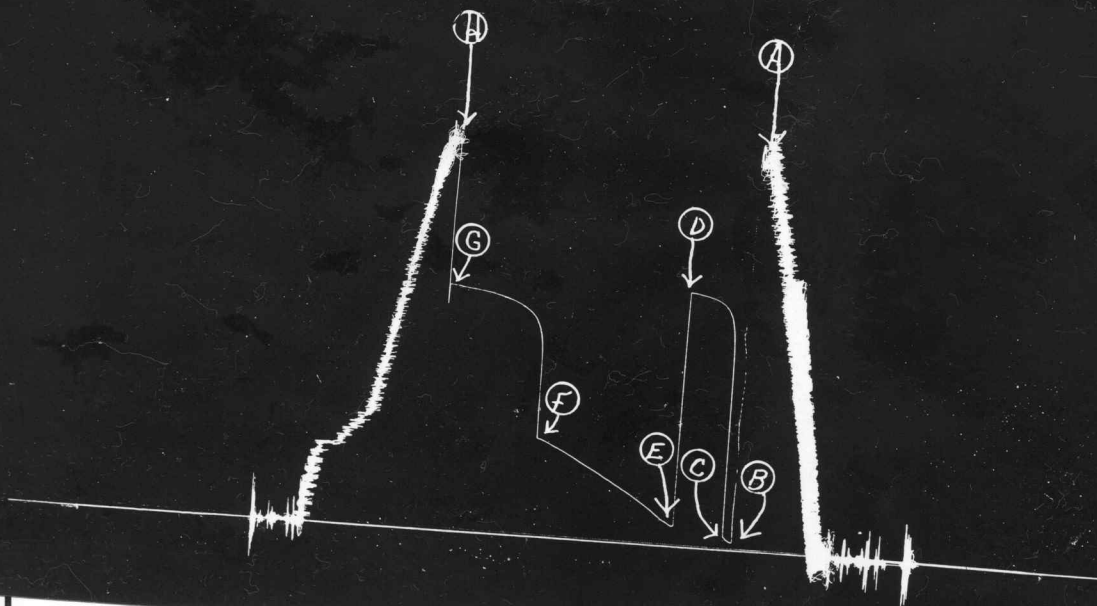
Final Shut-In

Breakdown: 20 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>41</u>	<u>0</u>	<u>62</u>	<u>0</u>	<u>104</u>	<u>0</u>	<u>451</u>
P 2 <u>5</u>	<u>62</u>	<u>3</u>	<u>683</u>	<u>5</u>	<u>114</u>	<u>3</u>	<u>933</u>
P 3		<u>6</u>	<u>1072</u>	<u>10</u>	<u>147</u>	<u>6</u>	<u>1008</u>
P 4		<u>9</u>	<u>1115</u>	<u>15</u>	<u>178</u>	<u>9</u>	<u>1034</u>
P 5		<u>12</u>	<u>1138</u>	<u>20</u>	<u>199</u>	<u>12</u>	<u>1049</u>
P 6		<u>15</u>	<u>1151</u>	<u>25</u>	<u>218</u>	<u>15</u>	<u>1068</u>
P 7		<u>18</u>	<u>1161</u>	<u>30</u>	<u>239</u>	<u>18</u>	<u>1076</u>
P 8		<u>21</u>	<u>1167</u>	<u>35</u>	<u>262</u>	<u>21</u>	<u>1085</u>
P 9		<u>24</u>	<u>1171</u>	<u>40</u>	<u>284</u>	<u>24</u>	<u>1093</u>
P10		<u>27</u>	<u>1174</u>	<u>45</u>	<u>305</u>	<u>27</u>	<u>1099</u>
P11		<u>30</u>	<u>1175</u>	<u>50</u>	<u>326</u>	<u>30</u>	<u>1103</u>
P12		<u>31</u>	<u>1177</u>	<u>55</u>	<u>345</u>	<u>33</u>	<u>1109</u>
P13				<u>60</u>	<u>366</u>	<u>36</u>	<u>1112</u>
P14				<u>65</u>	<u>387</u>	<u>39</u>	<u>1115</u>
P15				<u>70</u>	<u>405</u>	<u>42</u>	<u>1117</u>
P16				<u>75</u>	<u>420</u>	<u>45</u>	<u>1122</u>
P17				<u>80</u>	<u>437</u>	<u>48</u>	<u>1124</u>
P18				<u>85</u>	<u>447</u>	<u>51</u>	<u>1126</u>
P19				<u>89</u>	<u>451</u>	<u>54</u>	<u>1129</u>
P20						<u>57</u>	<u>1134</u>
						<u>60</u>	<u>1136</u>

Pickrell Drlg Co.
Campbell #1

TKT-8653
Test #1



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A) Initial Hydrostatic Mud	1871	PSI
(B) First Initial Flow Pressure	41	PSI
(C) First Final Flow Pressure	62	PSI
(D) Initial Closed-in Pressure	1177	PSI
(E) Second Initial Flow Pressure	104	PSI
(F) Second Final Flow Pressure	451	PSI
(G) Final Closed-in Pressure	1136	PSI
(H) Final Hydrostatic Mud	1856	PSI