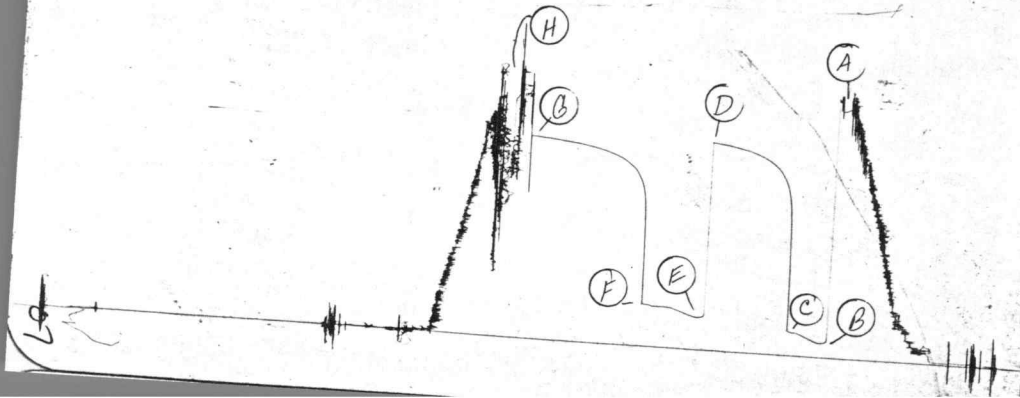
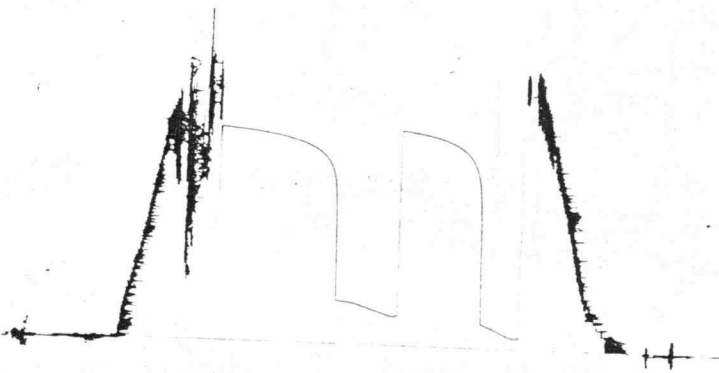


TK4 # 1534
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TKT # 1534
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Company Texas Oil & Gas Corporation Lease & Well No. Davis "F" #1
Elevation 1608 Kelly Bushing Formation Indian Cave Effective Pay -- Ft. Ticket No. 1534
Date 2/11/79 Sec. 1 Twp 33S Range 11W County Barber State Kansas
Test Approved by K. W. Dahlberg Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 2704' ft. to 2756' ft. Total Depth 2756' ft.
Packer Depth 2797 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 2704 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2723 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 2750 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Slawson Drilling Rig #4 Drill Collar Length 374 I. D. 2 1/4 in.
Mud Type premix Viscosity 37 Weight Pipe Length - I. D. - in.
Weight 9.3 Water Loss n.c.c. Drill Pipe Length 2298 D. 3.8 in.
Chlorides 30,000 P.P.M. Test Tool Length 31' Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 408 Anchor Length 52' ft. Size 5 1/2 OD in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow Weak, increased to fair on first flow period. Fair blow throughout second flow period.

Recovered 410 ft. of drilling mud Top: 28,000 PPM
Recovered - ft. of - Middle: 30,000 PPM
Recovered - ft. of - Bottom: 32,000 PPM
Recovered - ft. of -
Recovered - ft. of -

Remarks: -

Time Set Packer(s) 7:05 ~~A.M.~~ P.M. Time Started Off Bottom 10:50 ~~A.M.~~ P.M. Maximum Temperature 93
Initial Hydrostatic Pressure 1351 (A) 1351 P.S.I.
Initial Flow Period 30 (B) 80 P.S.I. to (C) 131 P.S.I.
Initial Closed In Period 60 (D) 1127 P.S.I.
Final Flow Period 45 (E) 178 P.S.I. to (F) 231 P.S.I.
Final Closed In Period 90 (G) 1102 P.S.I.
Final Hydrostatic Pressure 1314 (H) 1314 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 2/11/79

Recorder No. 2607

Capacity 4150

Test Ticket No. 1534

Location 2723 Ft.

Clock No. -- Elevation 1608 Kelly Bushing

Well Temperature 93 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1351</u> P.S.I.	Open Tool	<u>7:05P</u> M	
B First Initial Flow Pressure	<u>80</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>131</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1127</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>178</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>231</u> P.S.I.			
G Final Closed-in Pressure	<u>1102</u> P.S.I.			
H Final Hydrostatic Mud	<u>1314</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>30</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>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>80</u>	<u>0</u>	<u>131</u>	<u>0</u>	<u>178</u>	<u>0</u>	<u>231</u>
P 2 <u>5</u>	<u>78</u>	<u>3</u>	<u>748</u>	<u>5</u>	<u>176</u>	<u>3</u>	<u>818</u>
P 3 <u>10</u>	<u>89</u>	<u>6</u>	<u>904</u>	<u>10</u>	<u>184</u>	<u>6</u>	<u>900</u>
P 4 <u>15</u>	<u>104</u>	<u>9</u>	<u>952</u>	<u>15</u>	<u>195</u>	<u>9</u>	<u>937</u>
P 5 <u>20</u>	<u>123</u>	<u>12</u>	<u>996</u>	<u>20</u>	<u>210</u>	<u>12</u>	<u>967</u>
P 6 <u>25</u>	<u>125</u>	<u>15</u>	<u>1013</u>	<u>25</u>	<u>220</u>	<u>15</u>	<u>985</u>
P 7 <u>30</u>	<u>131</u>	<u>18</u>	<u>1036</u>	<u>30</u>	<u>222</u>	<u>18</u>	<u>1002</u>
P 8		<u>21</u>	<u>1050</u>	<u>35</u>	<u>224</u>	<u>21</u>	<u>1015</u>
P 9		<u>24</u>	<u>1063</u>	<u>40</u>	<u>227</u>	<u>24</u>	<u>1023</u>
P10		<u>27</u>	<u>1071</u>	<u>45</u>	<u>231</u>	<u>27</u>	<u>1031</u>
P11		<u>30</u>	<u>1079</u>			<u>30</u>	<u>1040</u>
P12		<u>33</u>	<u>1088</u>			<u>33</u>	<u>1048</u>
P13		<u>36</u>	<u>1094</u>			<u>36</u>	<u>1052</u>
P14		<u>39</u>	<u>1100</u>			<u>39</u>	<u>1056</u>
P15		<u>42</u>	<u>1107</u>			<u>42</u>	<u>1063</u>
P16		<u>45</u>	<u>1109</u>			<u>45</u>	<u>1067</u>
P17		<u>48</u>	<u>1113</u>			<u>48</u>	<u>1071</u>
P18		<u>51</u>	<u>1117</u>			<u>51</u>	<u>1075</u>
P19		<u>54</u>	<u>1121</u>			<u>54</u>	<u>1079</u>
P20		<u>57</u>	<u>1123</u>			<u>57</u>	<u>1082</u>
WTC - 4		<u>60</u>	<u>1127</u>			<u>60</u>	<u>1084</u>

continued next page

WESTERN TESTING CO., INC.

Pressure Data

Date 2/11/79 Test Ticket No. 1534
 Recorder No. 2607 Capacity 4150 Location 2723 Ft.
 Clock No. -- Elevation 1608 Kelly Bushing Well Temperature 93 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1351</u> P.S.I.	Open Tool	<u>7:05P</u> M	
B First Initial Flow Pressure	<u>80</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>131</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1127</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>178</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>231</u> P.S.I.			
G Final Closed-in Pressure	<u>1102</u> P.S.I.			
H Final Hydrostatic Mud	<u>1314</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>30</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>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>63</u>	<u>1086</u>
P 2						<u>66</u>	<u>1090</u>
P 3						<u>69</u>	<u>1092</u>
P 4						<u>72</u>	<u>1094</u>
P 5						<u>75</u>	<u>1096</u>
P 6						<u>78</u>	<u>1098</u>
P 7						<u>81</u>	<u>1099</u>
P 8						<u>84</u>	<u>1100</u>
P 9						<u>87</u>	<u>1102</u>
P10						<u>90</u>	<u>1102</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							