

Company Gear Petroleum Company, Inc. Lease & Well No. Thorme "B" #1
Elevation 1374 Ground Level Formation Kansas City Effective Pay ----- Ft. Ticket No. 3090
Date 12/17/80 Sec. 2 Twp. 28 S Range 2 W County Sedgwick State KS
Test Approved by Ken Blanc Western Representative Wynn Wier

Formation Test No. 1 Interval Tested from 2890 ft. to 2926 ft. Total Depth 2926 ft.

Packer Depth 2890 ft. Size 6 3/4 in. Packer Depth 2885 ft. Size 6 3/4 in.

Packer Depth ----- ft. Size ----- in. Packer Depth ----- ft. Size ----- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 2919 ft. Recorder Number 1559 Cap. 4200

Bottom Recorder Depth (Outside) 2922 ft. Recorder Number 5666 Cap. 3950

Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. -----

Drilling Contractor White & Ellis Drilling Rig #4 Drill Collar Length 282 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 39 Weight Pipe Length ----- I. D. ----- in.

Weight 9.4 Water Loss 27 cc. Drill Pipe Length 2586 I. D. 3.8 in.

Chlorides 5,000 P.P.M. Test Tool Length 58 ft. Tool Size 5 1/2 in.

Jars: Make ----- Serial Number ----- Anchor Length 36 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out ----- 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 XH in.

Blow: Weak throughout test.

Recovered 67 ft. of Drilling Mud.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 100° F.

Initial Hydrostatic Pressure (A) 1578 P.S.I.

Initial Flow Period Minutes 30 (B) 39 P.S.I. to (C) 47 P.S.I.

Initial Closed In Period Minutes 33 (D) 1092 P.S.I.

Final Flow Period Minutes 30 (E) 60 P.S.I. to (F) 65 P.S.I.

Final Closed In Period Minutes 33 (G) 1047 P.S.I.

Final Hydrostatic Pressure (H) 1578 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-17-80 Test Ticket No. 3090
 Recorder No. 1559 Capacity 4200 Location 2919 Ft.
 Clock No. ----- Elevation 1374 Ground Level Well Temperature 100 °F

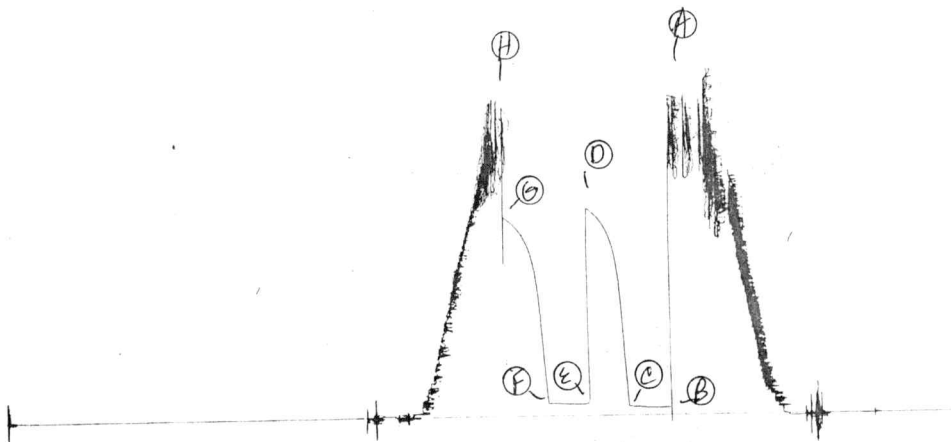
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1578</u> P.S.I.	Open Tool	<u>11:30 A M</u>	
B First Initial Flow Pressure	<u>39</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>47</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>1092</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>60</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>65</u> P.S.I.			
G Final Closed-in Pressure	<u>1047</u> P.S.I.			
H Final Hydrostatic Mud	<u>1578</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a 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>39</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>60</u>	<u>0</u>	<u>65</u>
P 2 <u>5</u>	<u>39</u>	<u>3</u>	<u>232</u>	<u>5</u>	<u>60</u>	<u>3</u>	<u>272</u>
P 3 <u>10</u>	<u>40</u>	<u>6</u>	<u>447</u>	<u>10</u>	<u>61</u>	<u>6</u>	<u>476</u>
P 4 <u>15</u>	<u>40</u>	<u>9</u>	<u>650</u>	<u>15</u>	<u>61</u>	<u>9</u>	<u>656</u>
P 5 <u>20</u>	<u>42</u>	<u>12</u>	<u>802</u>	<u>20</u>	<u>63</u>	<u>12</u>	<u>777</u>
P 6 <u>25</u>	<u>45</u>	<u>15</u>	<u>986</u>	<u>25</u>	<u>64</u>	<u>15</u>	<u>863</u>
P 7 <u>30</u>	<u>47</u>	<u>18</u>	<u>956</u>	<u>30</u>	<u>65</u>	<u>18</u>	<u>914</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>997</u>	<u> </u>	<u> </u>	<u>21</u>	<u>956</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>1032</u>	<u> </u>	<u> </u>	<u>24</u>	<u>986</u>
P10 <u> </u>	<u> </u>	<u>27</u>	<u>1055</u>	<u> </u>	<u> </u>	<u>27</u>	<u>1010</u>
P11 <u> </u>	<u> </u>	<u>30</u>	<u>1075</u>	<u> </u>	<u> </u>	<u>30</u>	<u>1029</u>
P12 <u> </u>	<u> </u>	<u>33</u>	<u>1092</u>	<u> </u>	<u> </u>	<u>33</u>	<u>1047</u>
P13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

TK#3090

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1559

Company Gear Petroleum Company, Inc. Lease & Well No. Thorne "B" #1
Elevation 1374 Ground Level Formation Kansas City Effective Pay ----- Ft. Ticket No. 3091
Date 12-18-80 Sec. 2 Twp 28 S Range 2 W County Sedgwick State KS
Test Approved by Ken Blanc Western Representative Wynn Wier

Formation Test No. 2 Interval Tested from 2940 ft. to 2974 ft. Total Depth 2974 ft.

Packer Depth 2940 ft. Size 6 3/4 in. Packer Depth ----- ft. Size ----- in.

Packer Depth 2935 ft. Size 6 3/4 in. Packer Depth ----- ft. Size ----- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 2967 ft. Recorder Number 1559 Cap. 4200

Bottom Recorder Depth (Outside) 2970 ft. Recorder Number 5666 Cap. 3950

Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. ---

Drilling Contractor White & Ellis Drilling Rig#4 Drill Collar Length 282 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 44 Weight Pipe Length ----- I. D. ----- in.

Weight 9.4 Water Loss 17 cc. Drill Pipe Length 2636 I. D. 3.8 in.

Chlorides 7,000 P.P.M. Test Tool Length 56 ft. Tool Size 5 1/2 in.

Jars: Make ----- Serial Number ----- Anchor Length 34 ft. Size 5 1/2 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 XH in.

Blow: Weak throughout test.

Recovered 250 ft. of Drilling mud.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 5:15 ~~P.M.~~ ^{A.M.} Maximum Temperature 101° F.

Initial Hydrostatic Pressure (A) 1582 P.S.I.

Initial Flow Period Minutes 30 (B) 32 P.S.I. to (C) 70 P.S.I.

Initial Closed In Period Minutes 45 (D) 1192 P.S.I.

Final Flow Period Minutes 30 (E) 97 P.S.I. to (F) 144 P.S.I.

Final Closed In Period Minutes 45 (G) 1171 P.S.I.

Final Hydrostatic Pressure (H) 1582 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-18-80 Test Ticket No. 3091
 Recorder No. 1559 Capacity 4200 Location 2967 Ft.
 Clock No. ---- Elevation 1374 Ground Level Well Temperature 101 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1582</u> P.S.I.	Open Tool	<u>2:45 A</u> M	
B First Initial Flow Pressure	<u>32</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>70</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1192</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>97</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>144</u> P.S.I.			
G Final Closed-in Pressure	<u>1171</u> P.S.I.			
H Final Hydrostatic Mud	<u>1582</u> P.S.I.			

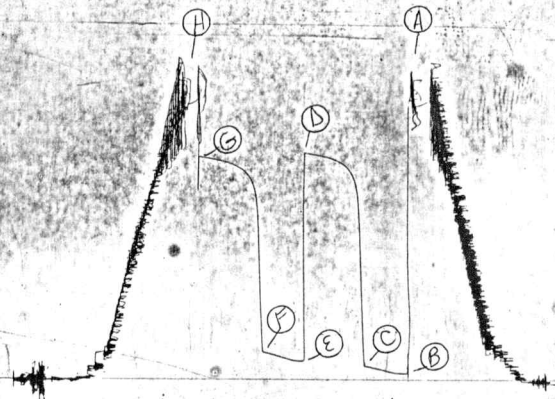
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>15</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>32</u>	<u>0</u>	<u>70</u>	<u>0</u>	<u>97</u>	<u>0</u>	<u>144</u>
P 2 <u>5</u>	<u>32</u>	<u>3</u>	<u>571</u>	<u>5</u>	<u>99</u>	<u>3</u>	<u>727</u>
P 3 <u>10</u>	<u>36</u>	<u>6</u>	<u>983</u>	<u>10</u>	<u>105</u>	<u>6</u>	<u>1002</u>
P 4 <u>15</u>	<u>44</u>	<u>9</u>	<u>1071</u>	<u>15</u>	<u>116</u>	<u>9</u>	<u>1061</u>
P 5 <u>20</u>	<u>54</u>	<u>12</u>	<u>1109</u>	<u>20</u>	<u>125</u>	<u>12</u>	<u>1090</u>
P 6 <u>25</u>	<u>64</u>	<u>15</u>	<u>1130</u>	<u>25</u>	<u>135</u>	<u>15</u>	<u>1109</u>
P 7 <u>30</u>	<u>70</u>	<u>18</u>	<u>1144</u>	<u>30</u>	<u>144</u>	<u>18</u>	<u>1121</u>
P 8		<u>21</u>	<u>1155</u>			<u>21</u>	<u>1131</u>
P 9		<u>24</u>	<u>1165</u>			<u>24</u>	<u>1140</u>
P10		<u>27</u>	<u>1170</u>			<u>27</u>	<u>1146</u>
P11		<u>30</u>	<u>1175</u>			<u>30</u>	<u>1153</u>
P12		<u>33</u>	<u>1180</u>			<u>33</u>	<u>1157</u>
P13		<u>36</u>	<u>1185</u>			<u>36</u>	<u>1161</u>
P14		<u>39</u>	<u>1190</u>			<u>39</u>	<u>1165</u>
P15		<u>42</u>	<u>1191</u>			<u>42</u>	<u>1168</u>
P16		<u>45</u>	<u>1192</u>			<u>45</u>	<u>1171</u>
P17							
P18							
P19							
P20							

TKT # 3091

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1559



Company Gear Petroleum Company, Inc. Lease & Well No. Thorne "B" #1
Elevation 1374 Ground Level Formation Kansas City Effective Pay - Ft. Ticket No. 3092
Date 12-19-80 Sec. 2 Twp. 28S Range 2W County Sedgwick State Kansas
Test Approved by Ken LeBlanc Western Representative Wynn Weir
Formation Test No. 3 Interval Tested from 2974 ft. to 3015 ft. Total Depth 3015 ft.
Packer Depth 2974 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 2969 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3008 ft. Recorder Number 1559 Cap. 4200
Bottom Recorder Depth (Outside) 3011 ft. Recorder Number 5666 Cap. 3950
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor White & Ellis Drilling Rig #4 Drill Collar Length 156 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 40 Weight Pipe Length - I. D. - in.
Weight 9.6 Water Loss 11.8 cc. Drill Pipe Length 2794 I. D. 3.8 in.
Chlorides 4000 P.P.M. Test Tool Length 65 ft. Tool Size 5 1/2 in.
Jars: Make - Serial Number - Anchor Length 41 ft. Size 5 1/2 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 XH in.

Blow: Very weak - thirty five minutes.

Recovered 50 ft. of drilling mud very slight amount of oil on top of tool

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:30 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 3:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 101
Initial Hydrostatic Pressure 1662 (A) P.S.I.
Initial Flow Period 30 Minutes (B) 40 P.S.I. to (C) 43 P.S.I.
Initial Closed In Period 33 Minutes (D) 835 P.S.I.
Final Flow Period 30 Minutes (E) 52 P.S.I. to (F) 55 P.S.I.
Final Closed In Period 33 Minutes (G) 533 P.S.I.
Final Hydrostatic Pressure 1662 (H) P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-19-80 Recorder No. 1559 Capacity 4200 Test Ticket No. 3092
 Location 3008 Ft. 101 °F
 Clock No. - Elevation 1374 Ground Level Well Temperature 101 °F

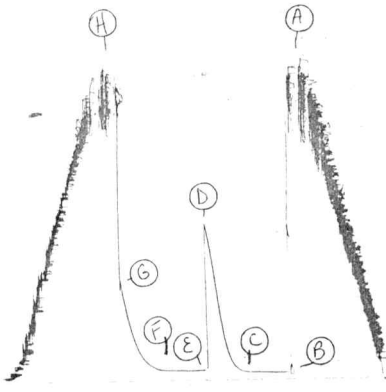
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1662 P.S.I.	1:30A	M
B First Initial Flow Pressure	40 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	43 P.S.I.	30 Mins.	33 Mins.
D Initial Closed-in Pressure	835 P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	52 P.S.I.	30 Mins.	33 Mins.
F Second Final Flow Pressure	55 P.S.I.		
G Final Closed-in Pressure	533 P.S.I.		
H Final Hydrostatic Mud	1662 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>11</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>40</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>52</u>	<u>0</u>	<u>55</u>
P 2 <u>5</u>	<u>40</u>	<u>3</u>	<u>45</u>	<u>5</u>	<u>52</u>	<u>3</u>	<u>56</u>
P 3 <u>10</u>	<u>40</u>	<u>6</u>	<u>50</u>	<u>10</u>	<u>52</u>	<u>6</u>	<u>61</u>
P 4 <u>15</u>	<u>41</u>	<u>9</u>	<u>63</u>	<u>15</u>	<u>52</u>	<u>9</u>	<u>71</u>
P 5 <u>20</u>	<u>42</u>	<u>12</u>	<u>88</u>	<u>20</u>	<u>54</u>	<u>12</u>	<u>84</u>
P 6 <u>25</u>	<u>43</u>	<u>15</u>	<u>138</u>	<u>25</u>	<u>54</u>	<u>15</u>	<u>102</u>
P 7 <u>30</u>	<u>43</u>	<u>18</u>	<u>209</u>	<u>30</u>	<u>55</u>	<u>18</u>	<u>134</u>
P 8		<u>21</u>	<u>320</u>			<u>21</u>	<u>171</u>
P 9		<u>24</u>	<u>477</u>			<u>24</u>	<u>228</u>
P10		<u>27</u>	<u>614</u>			<u>27</u>	<u>307</u>
P11		<u>30</u>	<u>754</u>			<u>30</u>	<u>399</u>
P12		<u>33</u>	<u>835</u>			<u>33</u>	<u>533</u>
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 3092

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1559

Company Gear Petroleum Company, Inc. Lease & Well No. Thorne "B" #1
Elevation 1379 Kelly Bushing Mississippi Effective Pay - Ft. Ticket No. 4870
Date 12-20-80 Sec. 2 Twp. 28S Range 2W County Sedgwick State Kansas
Test Approved by Ken LeBlanc Western Representative Allen Edgington
Formation Test No. 4 Interval Tested from 3468 ft. to 3475 ft. Total Depth 3475 ft.
Packer Depth 3463 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3468 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) AP 3453 ft. Recorder Number 3354 Cap. 4200
Bottom Recorder Depth (Outside) AP 3457 ft. Recorder Number 10980 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor White & Ellis Rig #4 Drill Collar Length 155 I. D. 2 1/2 in.
Mud Type Chemical Viscosity 42 Weight Pipe Length - I. D. - in.
Weight 9.7 Water Loss 10.2 cc. Drill Pipe Length 3227 I. D. 3.8 in.
Chlorides 5000 P.P.M. Test Tool Length 27 ft. Tool Size 4 1/2 OD in.
Jars: Make No Serial Number - Anchor Length 7 ft. Size 4 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 XH in.

Blow: Weak - thirty-five minutes.

Recovered 60 ft. of drilling mud.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:15 A.M. Time Started Off Bottom 12:30 P.M. Maximum Temperature 112
Initial Hydrostatic Pressure 1813 P.S.I.
Initial Flow Period 30 Minutes (B) 34 P.S.I. to (C) 36 P.S.I.
Initial Closed In Period 45 Minutes (D) 1200 P.S.I.
Final Flow Period 60 Minutes (E) 44 P.S.I. to (F) 46 P.S.I.
Final Closed In Period 60 Minutes (G) 1173 P.S.I.
Final Hydrostatic Pressure 1773 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 12-20-80 Test Ticket No. 4870
 Recorder No. 3354 Capacity 4200 Location 3453 Ft.
 Clock No. - Elevation 1379 Kelly Bushing Well Temperature 112 °F

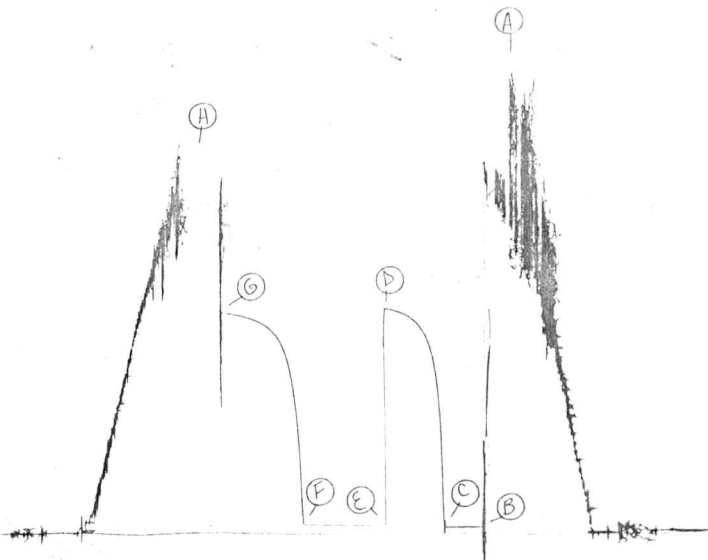
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1813</u> P.S.I.	Open Tool	<u>9:15P</u> M	
B First Initial Flow Pressure	<u>34</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>36</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1200</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>44</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>46</u> P.S.I.			
G Final Closed-in Pressure	<u>1173</u> P.S.I.			
H Final Hydrostatic Mud	<u>1773</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>15</u> Inc.		Breakdown: <u>12</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>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>34</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>46</u>
P 2 <u>5</u>	<u>34</u>	<u>3</u>	<u>411</u>	<u>5</u>	<u>44</u>	<u>3</u>	<u>386</u>
P 3 <u>10</u>	<u>34</u>	<u>6</u>	<u>736</u>	<u>10</u>	<u>44</u>	<u>6</u>	<u>703</u>
P 4 <u>15</u>	<u>34</u>	<u>9</u>	<u>909</u>	<u>15</u>	<u>44</u>	<u>9</u>	<u>840</u>
P 5 <u>20</u>	<u>35</u>	<u>12</u>	<u>1002</u>	<u>20</u>	<u>45</u>	<u>12</u>	<u>930</u>
P 6 <u>25</u>	<u>35</u>	<u>15</u>	<u>1056</u>	<u>25</u>	<u>45</u>	<u>15</u>	<u>989</u>
P 7 <u>30</u>	<u>36</u>	<u>18</u>	<u>1093</u>	<u>30</u>	<u>45</u>	<u>18</u>	<u>1032</u>
P 8		<u>21</u>	<u>1122</u>	<u>35</u>	<u>46</u>	<u>21</u>	<u>1060</u>
P 9		<u>24</u>	<u>1139</u>	<u>40</u>	<u>46</u>	<u>24</u>	<u>1081</u>
P10		<u>27</u>	<u>1156</u>	<u>45</u>	<u>46</u>	<u>27</u>	<u>1101</u>
P11		<u>30</u>	<u>1168</u>	<u>50</u>	<u>46</u>	<u>30</u>	<u>1114</u>
P12		<u>33</u>	<u>1176</u>	<u>55</u>	<u>46</u>	<u>33</u>	<u>1126</u>
P13		<u>36</u>	<u>1184</u>	<u>60</u>	<u>46</u>	<u>36</u>	<u>1135</u>
P14		<u>39</u>	<u>1190</u>			<u>39</u>	<u>1143</u>
P15		<u>42</u>	<u>1195</u>			<u>42</u>	<u>1150</u>
P16		<u>45</u>	<u>1200</u>			<u>45</u>	<u>1157</u>
P17						<u>48</u>	<u>1162</u>
P18						<u>51</u>	<u>1165</u>
P19						<u>54</u>	<u>1167</u>
P20						<u>57</u>	<u>1170</u>
						<u>60</u>	<u>1173</u>

TKT # 4870

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Company Gear Petroleum Company, Inc. Lease & Well No. Thorne "B" #1
Elevation 1379 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 4871
Date 12-21-80 Sec. 2 Twp. 28S Range 2W County Sedgwick State Kansas
Test Approved by Ken LeBlanc Western Representative Norman Allen

Formation Test No. 5 Interval Tested from 3474 ft. to 3494 ft. Total Depth 3494 ft.

Packer Depth 3474 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3469 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3487 ft. Recorder Number 3354 Cap. 4200

Bottom Recorder Depth (Outside) 3490 ft. Recorder Number 10980 Cap. 4200

Below Straddle Recorder Depth ---- ft. Recorder Number ----- Cap. -----

Drilling Contractor White & Ellis Drilling Rig #4 Drill Collar Length 155 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 42 Weight Pipe Length ---- I. D. ---- in.

Weight 9.7 Water Loss 10.2 cc. Drill Pipe Length 3299 I. D. 3.8 in.

Chlorides 5,000 P.P.M. Test Tool Length 40 ft. Tool Size 4 1/2 OD in.

Jars: Make ---- Serial Number ---- Anchor Length 20 ft. Size 4 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 XH in.

Blow: Strong throughout test.

Recovered 630 ft. of Gas in pipe.

Recovered 150 ft. of Heavy oil & gas cut mud. 40% oil, 60% mud.

Recovered 120 ft. of Slightly oil & gas cut muddy salt water. 5% oil

Recovered 120 ft. of Salt water with a trace of oil.

Recovered 300 ft. of Salt water. (Sulphur cut) Chlorides: 71,000 PPM

Remarks: Resistivity: @ 45° F. 3.6

Time Set Packer(s) 1:00 ~~AM~~ P.M. Time Started Off Bottom 4:00 ~~AM~~ P.M. Maximum Temperature 117° F.

Initial Hydrostatic Pressure (A) 1854 P.S.I.

Initial Flow Period Minutes 30 (B) 112 P.S.I. to (C) 207 P.S.I.

Initial Closed In Period Minutes 45 (D) 1196 P.S.I.

Final Flow Period Minutes 45 (E) 232 P.S.I. to (F) 342 P.S.I.

Final Closed In Period Minutes 60 (G) 1183 P.S.I.

Final Hydrostatic Pressure (H) 1799 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 12-21-80 Recorder No. 3354 Capacity 4200 Test Ticket No. 4871
 Clock No. ----- Elevation 1379 Kelly Bushing Location 3487 Ft. 117 °F
 Well Temperature 117 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1854 P.S.I.	1:00 P M	
B First Initial Flow Pressure	112 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	207 P.S.I.	45 Mins.	45 Mins.
D Initial Closed-in Pressure	1196 P.S.I.	45 Mins.	45 Mins.
E Second Initial Flow Pressure	232 P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	342 P.S.I.		
G Final Closed-in Pressure	1183 P.S.I.		
H Final Hydrostatic Mud	1799 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	112	0	207	0	232	0	342
P 2 5	112	3	1040	5	233	3	1032
P 3 10	124	6	1092	10	246	6	1076
P 4 15	143	9	1121	15	259	9	1101
P 5 20	169	12	1137	20	274	12	1114
P 6 25	190	15	1150	25	290	15	1123
P 7 30	207	18	1160	30	304	18	1133
P 8		21	1167	35	320	21	1141
P 9		24	1172	40	331	24	1147
P10		27	1176	45	342	27	1151
P11		30	1181			30	1156
P12		33	1186			33	1161
P13		36	1189			36	1165
P14		39	1192			39	1168
P15		42	1194			42	1170
P16		45	1196			45	1173
P17						48	1175
P18						51	1177
P19						54	1179
P20						57	1181
						60	1183

TKT # 4871

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3354

