

Company Geoson Energy Operation Lease & Well No. Plecker #1
Elevation 1158 Kelly Bushing Formation Cleveland Sand Effective Pay - Ft. Ticker No. 7751
Date 10-30-80 Sec. 33 Twp. 34S Range 3E County Cowley State Kansas
Test Approved by Kent Ewones Western Representative Wynn Weir- Norman Allen

Formation Test No. 1 Interval Tested from 2975 ft. to 3008 ft. Total Depth 3008 ft.

Packer Depth 2975 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2970 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3001 ft. Recorder Number 1559 Cap. 4200

Bottom Recorder Depth (Outside) 3004 ft. Recorder Number 5666 Cap. 3950

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

Drilling Contractor Blue Streak Drilling, Inc. Drill Collar Length - I. D. - in.

Mud Type Chemical Viscosity 43 Weight Pipe Length 341 I. D. 2.7 in.

Weight 9.5 Water Loss 7.8 cc. Drill Pipe Length 2602 I. D. 3.8 in.

Chlorides 6000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 401 Anchor Length 33 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 FH in.

Blow: Fair diminished at end to weak blow.

Recovered 391 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:00 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 12:05 ~~P.M.~~ ^{A.M.} Maximum Temperature 105

Initial Hydrostatic Pressure (A) 1473 P.S.I.

Initial Flow Period 60 Minutes (B) 63 P.S.I. to (C) 130 P.S.I.

Initial Closed In Period 60 Minutes (D) 733 P.S.I.

Final Flow Period 60 Minutes (E) 167 P.S.I. to (F) 161 P.S.I.

Final Closed In Period 60 Minutes (G) 309 P.S.I.

Final Hydrostatic Pressure (H) 1460 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

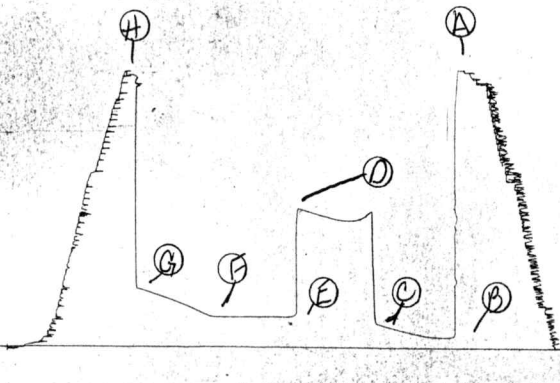
Date 10-30-80 Test Ticket No. 7751
 Recorder No. 1559 Capacity 4200 Location 3001 Ft.
 Clock No. - Elevation 1158 Kelly Bushing Well Temperature 105 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1473</u> P.S.I.	8:00A	M
B First Initial Flow Pressure	<u>63</u> P.S.I.	60 Mins.	60 Mins.
C First Final Flow Pressure	<u>130</u> P.S.I.	60 Mins.	60 Mins.
D Initial Closed-in Pressure	<u>733</u> P.S.I.	60 Mins.	60 Mins.
E Second Initial Flow Pressure	<u>167</u> P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	<u>161</u> P.S.I.	*Pressures questionable due to tool movement.	
G Final Closed-in Pressure	<u>309</u> P.S.I.		
H Final Hydrostatic Mud	<u>1460</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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 0	63	0	130	0	167	0	161
P 2 5	61	3	357	5	163	3	161
P 3 10	61	6	693*	10	163	6	169
P 4 15	63	9	712*	15	163	9	178
P 5 20	63	12	693*	20	163	12	188
P 6 25	71	15	681*	25	161	15	199
P 7 30	77	18	675*	30	161	18	207
P 8 35	86	21	671*	35	161	21	215
P 9 40	94	24	671	40	161	24	224
P10 45	105	27	672	45	161	27	234
P11 50	113	30	673	50	161	30	242
P12 55	119	33	677	55	161	33	249
P13 60	130	36	681	60	161	36	257
P14		39	689			39	265
P15		42	693			42	272
P16		45	700			45	278
P17		48	706			48	284
P18		51	712			51	291
P19		54	720			54	299
P20		57	727			57	305
		60	733			60	309

TK-# 7751
I.



6551

Company Geoson Energy Operation Lease & Well No. Plecker #1
 Elevation 1158 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 7780
 Date 11-1-80 Sec. 33 Twp. 34S Range 3E County Cowley State Kansas
 Test Approved by Kent Ewones Western Representative Kenny Kirkendall
 Formation Test No. 2 Interval Tested from 3400 ft. to 3442 ft. Total Depth 3442 ft.
 Packer Depth 3400 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3395 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3404 ft. Recorder Number 2605 Cap. 4200
 Bottom Recorder Depth (Outside) 3408 ft. Recorder Number 1560 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Blue Streak #1 Drill Collar Length - I. D. - in.
 Mud Type Chemical Viscosity 39 Weight Pipe Length 660 I. D. - in.
 Weight 9.1 Water Loss 10.0 cc. Drill Pipe Length 3732 I. D. - in.
 Chlorides 10,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.
 Jars: Make WTC Serial Number 406 Anchor Length 42 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out Yes 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 IF in.

Blow: _____

Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

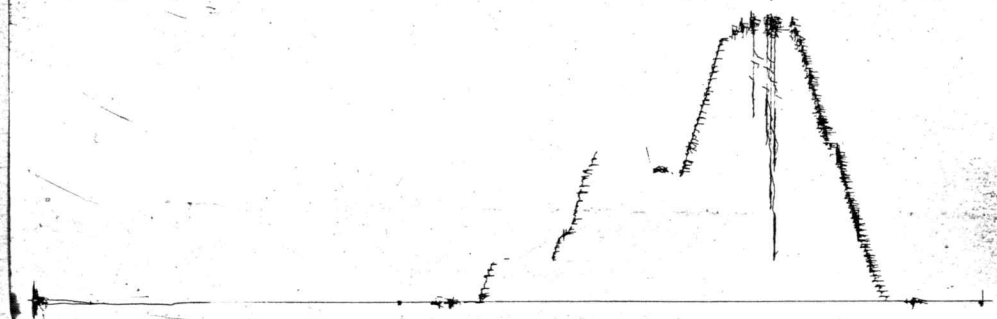
Remarks: MISRUN - PACKER SEAT FAILURE

Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____
 Initial Hydrostatic Pressure _____ (A) 1625 P.S.I.
 Initial Flow Period _____ Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
 Initial Closed In Period _____ Minutes _____ (D) _____ P.S.I.
 Final Flow Period _____ Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
 Final Closed In Period _____ Minutes _____ (G) _____ P.S.I.
 Final Hydrostatic Pressure _____ (H) 1611 P.S.I.

Tk+#7780
II



Tk+#7780
D.



Y7A1

Y7A1

Y7A1

Company Geoson Energy Operation Lease & Well No. Plecker #1
Elevation 1158 Kelly Bushing Mississippi Effective Pay - Ft. Ticket No. 7781
Date 11-2-80 Sec. 33 Twp. 34S Range 3E County Cowley State Kansas
Test Approved by Kent Ewones Western Representative Kenny Kirkendall

Formation Test No. 3 Interval Tested from 3374 ft. to 3442 ft. Total Depth 3442 ft.

Packer Depth 3374 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3369 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3378 ft. Recorder Number 2605 Cap. 4150

Bottom Recorder Depth (Outside) 3383 ft. Recorder Number 1560 Cap. 4200

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

Drilling Contractor Blue Streak #1 Drill Collar Length - I. D. - in.

Mud Type Chemical Viscosity 39 Weight Pipe Length 660 I. D. - in.

Weight 9.1 Water Loss 10.0 cc. Drill Pipe Length 2692 I. D. - in.

Chlorides 10,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 5/8 in.

Jars: Make WTC Serial Number 406 Anchor Length 68 ft. Size - 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 IF in.

Blow: No blow, flushed tool, weak blow initial flow period. Very weak final flow period.

Recovered 55 ft. of drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 3:30 A.M. P.M. Time Started Off Bottom 6:30 A.M. P.M. Maximum Temperature 128

Initial Hydrostatic Pressure 1619 P.S.I. (A)

Initial Flow Period 30 Minutes (B) 42 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period 63 Minutes (D) 152 P.S.I.

Final Flow Period 60 Minutes (E) 42 P.S.I. to (F) 36 P.S.I.

Final Closed In Period 51 Minutes (G) 189 P.S.I.

Final Hydrostatic Pressure 1571 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 11/2/80 Test Ticket No. 7781
 Recorder No. 2605 Capacity 4150 Location 3378 Ft.
 Clock No. -- Elevation 1158 Kelly Bushing Well Temperature 128 °F

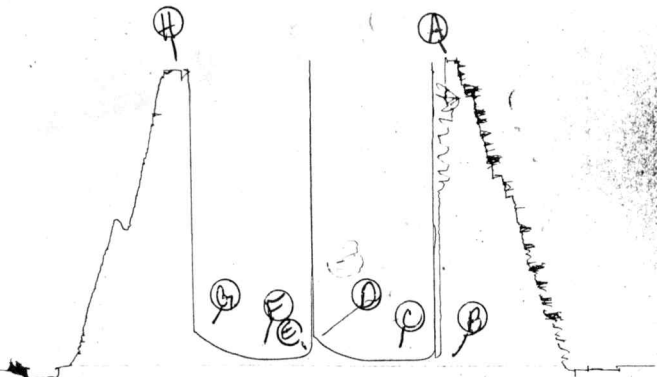
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1619 P.S.I.	3:30 M	
B First Initial Flow Pressure	42 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	31 P.S.I.	60 Mins.	63 Mins.
D Initial Closed-in Pressure	152 P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	42 P.S.I.	60 Mins.	51 Mins.
F Second Final Flow Pressure	36 P.S.I.		
G Final Closed-in Pressure	189 P.S.I.		
H Final Hydrostatic Mud	1571 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>21</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>17</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>42</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>42</u>	<u>0</u>	<u>36</u>
P 2 <u>5</u> Flushed tool	<u>65</u>	<u>3</u>	<u>31</u>	<u>5</u>	<u>42</u>	<u>3</u>	<u>36</u>
P 3 <u>10</u>	<u>39</u>	<u>6</u>	<u>31</u>	<u>10</u>	<u>41</u>	<u>6</u>	<u>36</u>
P 4 <u>15</u>	<u>31</u>	<u>9</u>	<u>31</u>	<u>15</u>	<u>40</u>	<u>9</u>	<u>40</u>
P 5 <u>20</u>	<u>31</u>	<u>12</u>	<u>31</u>	<u>20</u>	<u>39</u>	<u>12</u>	<u>44</u>
P 6 <u>25</u>	<u>31</u>	<u>15</u>	<u>31</u>	<u>25</u>	<u>37</u>	<u>15</u>	<u>51</u>
P 7 <u>30</u>	<u>31</u>	<u>18</u>	<u>31</u>	<u>30</u>	<u>36</u>	<u>18</u>	<u>57</u>
P 8		<u>21</u>	<u>31</u>			<u>21</u>	<u>63</u>
P 9		<u>24</u>	<u>31</u>			<u>24</u>	<u>69</u>
P10		<u>27</u>	<u>31</u>			<u>27</u>	<u>76</u>
P11		<u>30</u>	<u>34</u>			<u>30</u>	<u>84</u>
P12		<u>33</u>	<u>39</u>			<u>33</u>	<u>98</u>
P13		<u>36</u>	<u>43</u>			<u>36</u>	<u>108</u>
P14		<u>39</u>	<u>51</u>			<u>39</u>	<u>123</u>
P15		<u>42</u>	<u>59</u>			<u>42</u>	<u>133</u>
P16		<u>45</u>	<u>65</u>			<u>45</u>	<u>148</u>
P17		<u>48</u>	<u>75</u>			<u>48</u>	<u>165</u>
P18		<u>51</u>	<u>87</u>			<u>51</u>	<u>189</u>
P19		<u>54</u>	<u>97</u>				
P20		<u>57</u>	<u>114</u>				
WTC - 4		<u>60</u>	<u>135</u>				
		<u>63</u>	<u>132</u>				

2605

TK+ # 7781
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Company Geoson Energy Operation Lease & Well No. Plecker #1
1158 Kelly Bushing Simpson Effective Pay - Ft. Ticket No. 7814
 Elevation Formation
 Date 11-4-80 Sec. 33 Twp. 34S Range 3E County Cowley State Kansas
 Test Approved by Kent Ewonus Western Representative Allen Edgington
 Formation Test No. 4 Interval Tested from 3693 ft. to 3787 ft. Total Depth 3787 ft.
 Packer Depth 3688 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3693 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3695 ft. Recorder Number 3354 Cap. 4200
 Bottom Recorder Depth (Outside) 3698 ft. Recorder Number 10980 Cap. 4200
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Blue Streak Rig #1 Drill Collar Length - I. D. - in.
 Mud Type Driscap Viscosity 42 Weight Pipe Length 376 I. D. 2 1/4 in.
 Weight 9.3 Water Loss 11.0 cc. Drill Pipe Length 3144 I. D. 3.8 in.
 Chlorides 10,000 P.P.M. Test Tool Length 28 ft. Tool Size 4 1/2 OD in.
 Jars: Make WTC Serial Number 404 Anchor Length 94 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 FH in.

Blow: Weak blow throughout test

Recovered 80 ft. of drilling mud, very slightly gas cut, slightly rainbow.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:00 A.M. Time Started Off Bottom 3:00 A.M. Maximum Temperature 127
P.M. P.M.
 Initial Hydrostatic Pressure 1858 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 61 P.S.I. to (C) 67 P.S.I.
 Initial Closed In Period 33 Minutes (D) 263 P.S.I.
 Final Flow Period 55 Minutes (E) 86 P.S.I. to (F) 95 P.S.I.
 Final Closed In Period 63 Minutes (G) 272 P.S.I.
 Final Hydrostatic Pressure 1826 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 11-4-80 Recorder No. 3354 Capacity 4200 Location 3695 Ft.
 Clock No. - Elevation 1158 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given 12:00P	Time Computed
A Initial Hydrostatic Mud	1858	P.S.I.	30	30
B First Initial Flow Pressure	61	P.S.I.	30	33
C First Final Flow Pressure	67	P.S.I.	60	55
D Initial Closed-in Pressure	263	P.S.I.	60	63
E Second Initial Flow Pressure	86	P.S.I.		
F Second Final Flow Pressure	95	P.S.I.		
G Final Closed-in Pressure	272	P.S.I.		
H Final Hydrostatic Mud	1826	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>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>21</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	61	0	67	0	86	0	95
P 2	56	3	69	5	84	3	97
P 3	56	6	70	10	82	6	99
P 4	56	9	73	15	84	9	103
P 5	59	12	84	20	86	12	107
P 6	63	15	97	25	89	15	116
P 7	67	18	109	30	90	18	119
P 8		21	128	35	92	21	124
P 9		24	151	40	94	24	130
P10		27	189	45	95	27	139
P11		30	232	50	95	30	143
P12		33	263	55	95	33	151
P13						36	160
P14						39	164
P15						42	175
P16						45	185
P17						48	196
P18						51	210
P19						54	221
P20						57	238
						60	255
						63	272

JK # 7814

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