



Home Office: Wichita, Kansas 67201

P. O. Box 1599

(316) 838-0601

Company Texas Oil & Gas Corp. Lease & Well No. Mason #1

Elevation - Formation Indian Cave Effective Pay - Ft. Ticket No. 22491

Date 3-30-77 Sec. 3 Twp. 29S Range 13W County Pratt State Kansas

Test Approved by Ronald Idom Western Representative Bill Hager

Formation Test No. 1 O.K. Misrun Interval Tested From 2895' to 2963' Total Depth 2963'

Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 2890 Ft. Size 6 3/4 Bottom Packer Depth 2895 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 68 Ft. Size 37 5/8 DP Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2922 Ft. Clock No. 9103 Depth 2925 Ft. Clock No. 5665

Top Make Kuster Cap. 3000 No. 3474 Inside Outside Bottom Make Kuster Cap. 4000 No. 2603 Inside Outside

Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 11:15 AM

Tool Open I.F.P. From 11:17 AM to 11:37 AM - Hr. 20 Min. From (B) 51 P.S.I. To (C) 43 P.S.I.

Tool Closed I.C.I.P. From 11:37 AM to 12:17 PM - Hr. 40 Min (D) 45 P.S.I.

Tool Open F.F.P. From 12:17 PM to 12:32 PM - Hr. 15 Min. From (E) 40 P.S.I. To (F) 40 P.S.I.

Tool Closed F.C.I.P. From - M. to - M. - Hr. - Min. (G) - P.S.I.

Initial Hydrostatic Pressure (A) 1400 P.S.I. Final Hydrostatic Pressure (H) 1400 P.S.I. Maximum Temp. 97

INFORMATION

BLOW Very weak blow for 6 minutes, died on initial flow period.

Did Well Flow Yes No Recovery Total Ft. 3' mud.

Reversed Out Yes No Mud Type premix Viscosity 35 Weight 9.4 Water Loss - cc. Chlorides -

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. 408

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR H-30 Xplor. Length Drill Pipe? 2524 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 341 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4H90 In. Length D.S.T. Tool 98 Ft.

Remarks:
Slid tool 4' to bottom.

WESTERN TESTING CO., INC.
Pressure Data

Date 3-30-77 Test Ticket No. 22491
 Recorder No. 3474 Capacity 3000 Location 2922 Ft
 Clock No. 9103 Elevation - Well Temperature 97 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1400</u> P.S.I.	Open Tool	<u>11:15 AM</u>	
B First Initial Flow Pressure	<u>51</u> P.S.I.	First Flow Pressure	<u>20</u> Mins.	<u>20</u> Mins
C First Final Flow Pressure	<u>43</u> P.S.I.	Initial Closed-in Pressure	<u>40</u> Mins.	<u>42</u> Mins
D Initial Closed-in Pressure	<u>45</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins
E Second Initial Flow Pressure	<u>40</u> P.S.I.	Final Closed-in Pressure	<u>-</u> Mins.	<u>-</u> Mins
F Second Final Flow Pressure	<u>40</u> P.S.I.			
G Final Closed-in Pressure	<u>-</u> P.S.I.			
H Final Hydrostatic Mud	<u>1400</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>4</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>3</u> Inc.		Breakdown: <u>-</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>-</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>-</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>51</u>	<u>0</u>	<u>43</u>	<u>0</u>	<u>40</u>		
P 2 <u>5</u>	<u>43</u>	<u>3</u>	<u>43</u>	<u>5</u>	<u>40</u>		
P 3 <u>10</u>	<u>43</u>	<u>6</u>	<u>43</u>	<u>10</u>	<u>40</u>		
P 4 <u>15</u>	<u>43</u>	<u>9</u>	<u>43</u>	<u>15</u>	<u>40</u>		
P 5 <u>20</u>	<u>43</u>	<u>12</u>	<u>43</u>				
P 6		<u>15</u>	<u>43</u>				
P 7		<u>18</u>	<u>43</u>				
P 8		<u>21</u>	<u>43</u>				
P 9		<u>24</u>	<u>43</u>				
P10		<u>27</u>	<u>43</u>				
P11		<u>30</u>	<u>43</u>				
P12		<u>33</u>	<u>43</u>				
P13		<u>36</u>	<u>43</u>				
P14		<u>39</u>	<u>43</u>				
P15		<u>42</u>	<u>45</u>				
P16							
P17							
P18							
P19							
P20							

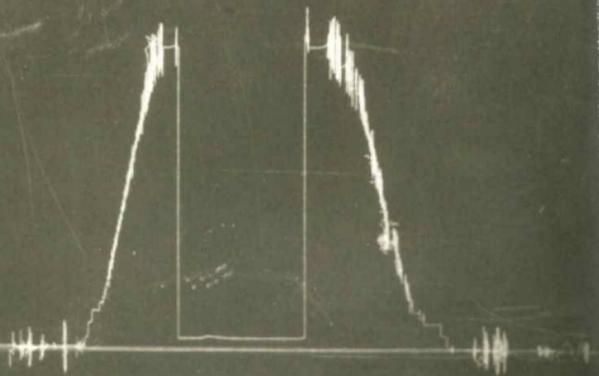
TK# 22491

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TR# 22491

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Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Oil & Gas Corp. Lease & Well No. Mason #1
Elevation 1937 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 22492
Date 4-3-77 Sec. 3 Twp. 29S Range 13W County Pratt State Kansas
Test Approved by K.W. Dahlberg Western Representative Joe Lush

Formation Test No. 2 O.K. Misrun Interval Tested From 4601' to 4608' Total Depth 4608'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. 0 Damaged Yes No
Top Packer Depth 4596 Ft. Size 6 3/4 Bottom Packer Depth 4601 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 7 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4588 Ft. Clock No. 9103 Depth 4603 Ft. Clock No. 5665
Top Make Kuster Cap. 3000 No. 3474 ~~Inside~~ Inside Bottom Make Kuster Cap. 4400 No. 2603 ~~Inside~~ Outside
Below Straddle: Depth Rec. No. Clock No. Outside Depth Ft. Rec. No. Clock No. Outside

Time Set Packer 8:28 P M
Tool Open I.F.P. From 8:30 P M. to 9:00 P M. - Hr. 30 Min. From (B) 103 P.S.I. To (C) 115 P.S.I.
Tool Closed I.C.I.P. From 9:00 P M. to 10:00 P M. 1 Hr. - Min (D) 1271 P.S.I.
Tool Open F.F.P. From 10:00 P M. to 10:45 P M. - Hr. 45 Min. From (E) 126 P.S.I. To (F) 116 P.S.I.
Tool Closed F.C.I.P. From 10:45 M. to 12:15 A M. 1 Hr. 30 Min. (G) 1181 P.S.I.
Initial Hydrostatic Pressure (A) 2104 P.S.I. Final Hydrostatic Pressure (H) 2096 P.S.I. Maximum Temp. 127

INFORMATION

BLOW Weak blow, died in 38 minutes into final flow period.

Did Well Flow Yes No Recovery Total Ft. 200' drilling mud.

Reversed Out Yes No Mud Type premix Viscosity 42 Weight 8.8 Water Loss 6.8 cc. Chlorides 10,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. 408

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? Where?

DRILLING CONTRACTOR H-30 Drlg. Co. Length Drill Pipe? 4194 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 372 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4H90 In. Length D.S.T. Tool 42 Ft.

Remarks: Plugging action on initial flow period.

Chlorides check - 13,000 P.P.M. Top

" " - 12,000 P.P.M. Middle

" " - 11,000 P.P.M. Bottom

WESTERN TESTING CO., INC.

Pressure Data

Date 4-3-77 Test Ticket No. 22492
 Recorder No. 3474 Capacity 3000 Location 4588 Ft.
 Hook No. 9103 Elevation 1937 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
Initial Hydrostatic Mud	<u>2104</u>	P.S.I.	<u>8:28</u> P.M.	
First Initial Flow Pressure	<u>103</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
First Final Flow Pressure	<u>115</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
Initial Closed-in Pressure	<u>1271</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
Second Initial Flow Pressure	<u>126</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
Second Final Flow Pressure	<u>116</u>	P.S.I.		
Final Closed-in Pressure	<u>1181</u>	P.S.I.		
Final Hydrostatic Mud	<u>2096</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>19</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.
1 0	103	0	115	0	126	0	116
2 5	93	3	266	5	118	3	265
3 10	93	6	375	10	117	6	334
4 15	93	9	472	15	116	9	397
5 20	108	12	541	20	116	12	451
6 25	108	15	639	25	116	15	508
7 30	115	18	733	30	116	18	565
8		21	805	35	116	21	617
9		24	864	40	116	24	664
10		27	923	45	116	27	708
11		30	980			30	748
12		33	1005			33	783
13		36	1059			36	819
14		39	1103			39	848
15		42	1137			42	882
16		45	1171			45	911
17		48	1198			48	938
18		51	1223			51	961
19		54	1248			54	985
20		57	1271			57	1009
						60	1030

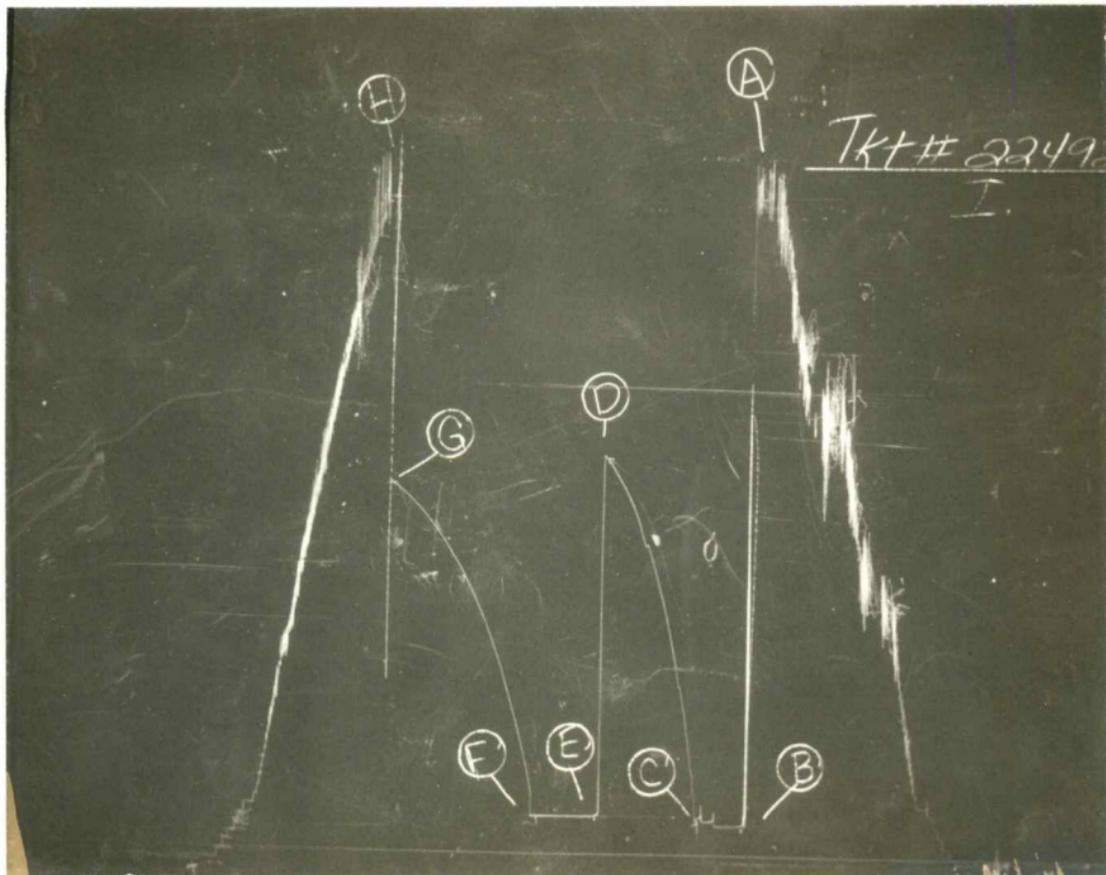
WESTERN TESTING CO., INC.
Pressure Data

Date 4-3-77 Test Ticket No. 22492
 Recorder No. 3474 Capacity 3000 Location 4588 Ft.
 Clock No. 9103 Elevation 1937 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2104</u> P.S.I.	Open Tool	<u>8:28</u> P _M	
B First Initial Flow Pressure	<u>103</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>115</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1271</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>126</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>116</u> P.S.I.			
G Final Closed-in Pressure	<u>1181</u> P.S.I.			
H Final Hydrostatic Mud	<u>2096</u> P.S.I.			

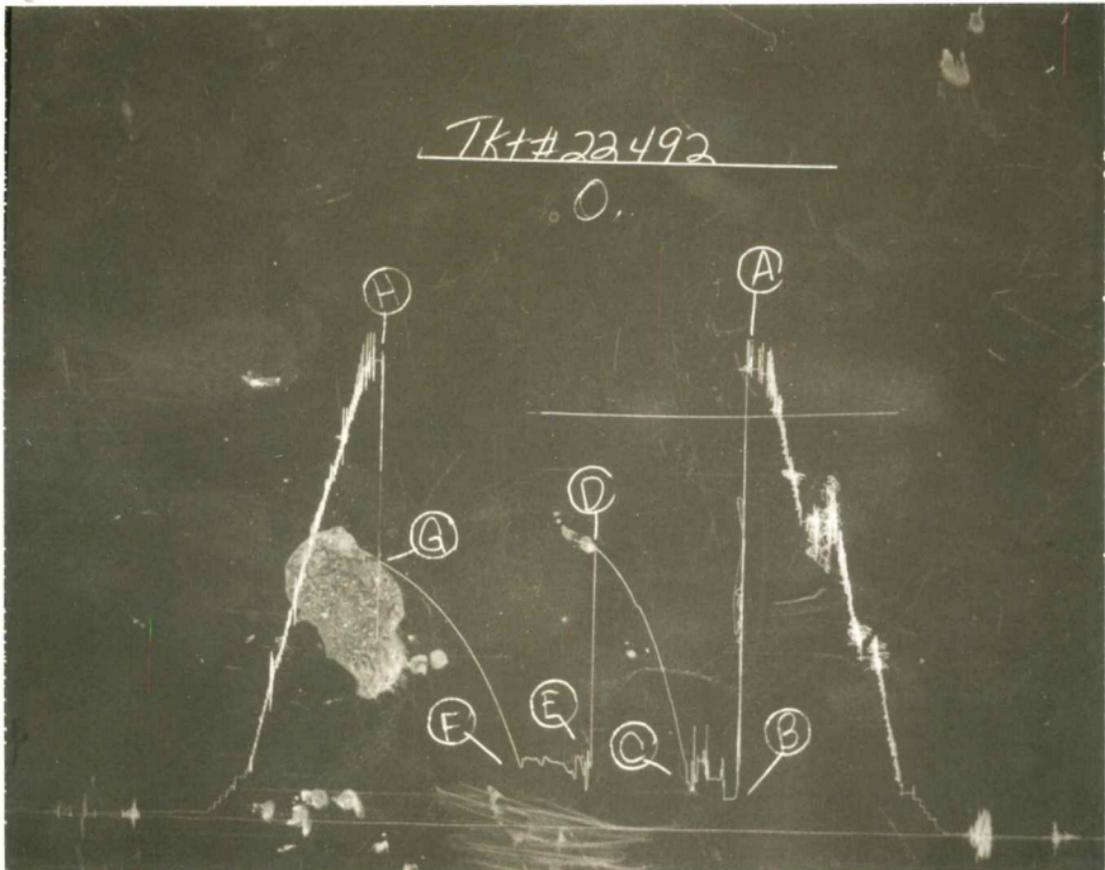
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>19</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>1050</u>
P 2						<u>66</u>	<u>1070</u>
P 3						<u>69</u>	<u>1089</u>
P 4						<u>72</u>	<u>1106</u>
P 5						<u>75</u>	<u>1122</u>
P 6						<u>78</u>	<u>1138</u>
P 7						<u>81</u>	<u>1152</u>
P 8						<u>84</u>	<u>1164</u>
P 9						<u>87</u>	<u>1175</u>
P10						<u>90</u>	<u>1181</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



TK#22492

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Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Oil & Gas Corp. Lease & Well No. Mason #1
Elevation 1937 Kelly Bush. Formation Simpson Effective Pay - Ft. Ticket No. 22493
Date 4-4-77 Sec. 3 Twp. 29S Range 13W County Pratt State Kansas
Test Approved by K.W. Dahlberg Western Representative Joe Lush

Formation Test No. 3 O.K. Misrun Interval Tested From 4625' to 4651' Total Depth 4651'
Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4612 Ft. Size 6 3/4 Bottom Packer Depth 4625 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 26 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4641 Ft. Clock No. 9103 Depth 4644 Ft. Clock No. 5665
Top Make Kuster Cap. 3000 No. 3474 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside
Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside

Time Set Packer 9:15P. M
Tool Open I.F.P. From 9:17P. M. to 9:37P. M. - Hr. 20 Min. From (B) 63 P.S.I. To (C) 56 P.S.I.
Tool Closed I.C.I.P. From 9:37P. M. to 10:17P. M. - Hr. 40 Min (D) 1138 P.S.I.
Tool Open F.F.P. From 10:17P. M. to 11:02P. M. - Hr. 45 Min. From (E) 67 P.S.I. To (F) 66 P.S.I.
Tool Closed F.C.I.P. From - M. to - M. Hr. - Min. (G) Not taken P.S.I.
Initial Hydrostatic Pressure (A) 2188 P.S.I. Final Hydrostatic Pressure (H) 2169 P.S.I. Maximum Temp. 127

INFORMATION

BLOW Weak blow for 20 minutes, then died. Flushed tool on final flow period.

Did Well Flow Yes No Recovery Total Ft. 10' of drilling mud.

Reversed Out Yes No Mud Type Premix Viscosity 41 Weight 9.0 Water Loss 9.2 cc. Chlorides 10,000 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Yes No Jars: Size 4 1/2 OD In. Make WTC Ser. No. 408

Dual Packer Yes No Did Packers Hold? Yes No Did Tool Plug? Yes No Where? -

DRILLING CONTRACTOR H-30 Drlg. Length Drill Pipe 4216 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 372 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4" H-90 In. Length D.S.T. Tool 63 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 4-4-77 Test Ticket No. 22493
 Recorder No. 3474 Capacity 3000 Location 4641 Ft.
 Clock No. 9103 Elevation 1937 Kelly Bushing Well Temperature 127 °F

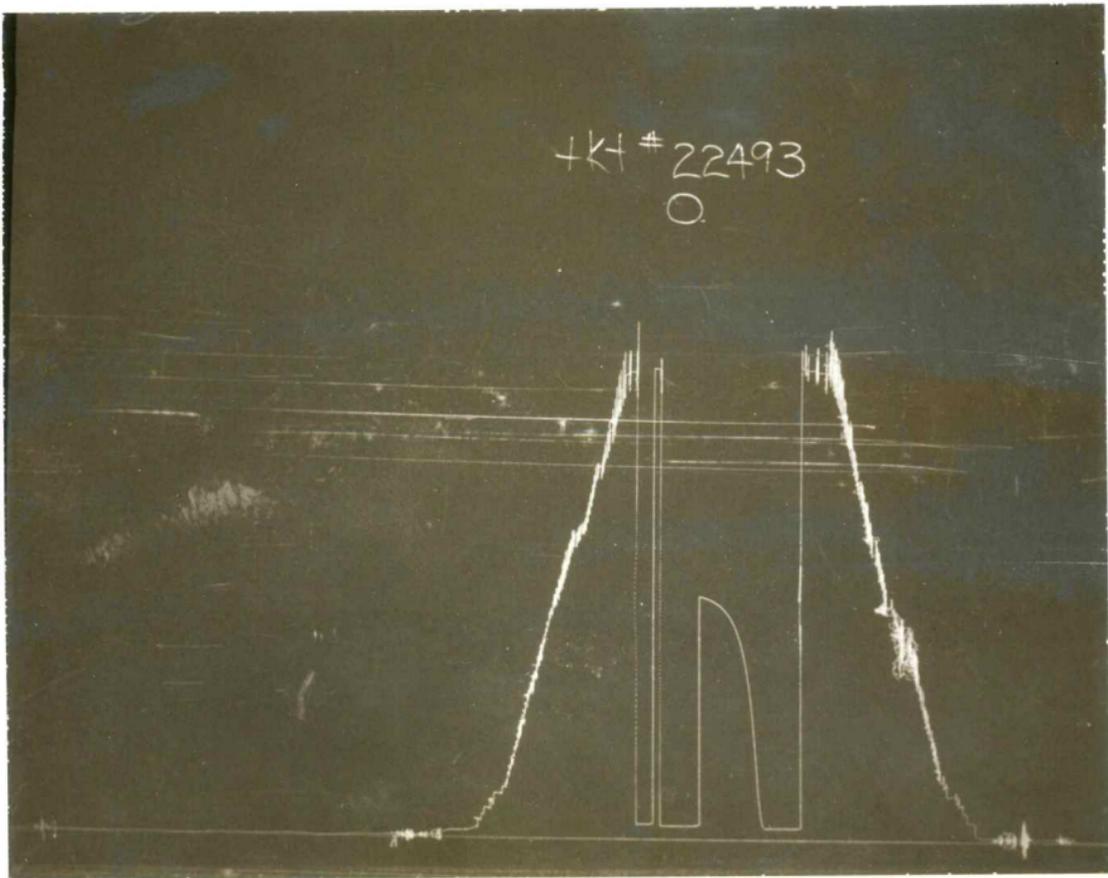
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2188</u>	P.S.I.	<u>9:15P.</u>	<u>M</u>
B First Initial Flow Pressure	<u>63</u>	P.S.I.	<u>20</u>	<u>20</u> Mins.
C First Final Flow Pressure	<u>56</u>	P.S.I.	<u>40</u>	<u>39</u> Mins.
D Initial Closed-in Pressure	<u>1138</u>	P.S.I.	<u>45</u>	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>67</u>	P.S.I.	<u>Not taken</u>	<u>Not taken</u> Mins.
F Second Final Flow Pressure	<u>66</u>	P.S.I.		
G Final Closed-in Pressure	<u>Not taken</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2169</u>	P.S.I.		

PRESSURE BREAKDOWN

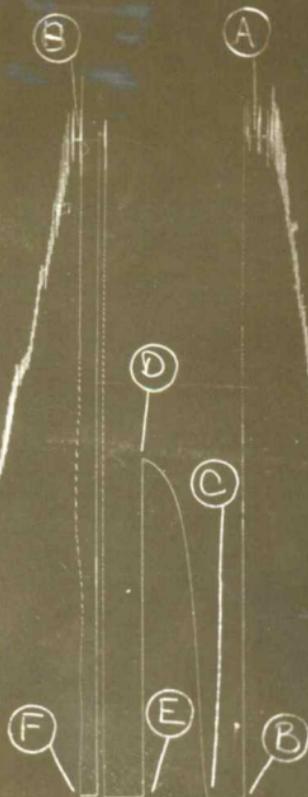
Point	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Mins.	Press.	Minutes	Press.	Minutes	Press.	Minutes	Press.
P 1	<u>0</u>	<u>63</u>	<u>0</u>	<u>56</u>	<u>0</u>	<u>67</u>		
P 2	<u>5</u>	<u>55</u>	<u>3</u>	<u>171</u>	<u>5</u>	<u>61</u>		
P 3	<u>10</u>	<u>54</u>	<u>6</u>	<u>446</u>	<u>10</u>	<u>53</u>		
P 4	<u>15</u>	<u>55</u>	<u>9</u>	<u>674</u>	<u>15</u>	<u>53</u>		
P 5	<u>20</u>	<u>56</u>	<u>12</u>	<u>832</u>	<u>20</u>	<u>53</u>		
P 6			<u>15</u>	<u>930</u>	<u>25</u>	<u>53</u>		
P 7			<u>18</u>	<u>991</u>	<u>30</u>	<u>66</u>		
P 8			<u>21</u>	<u>1034</u>	<u>35</u>	<u>67</u>		
P 9			<u>24</u>	<u>1068</u>	<u>40</u>	<u>67</u>		
P10			<u>27</u>	<u>1091</u>	<u>45</u>	<u>66</u>		
P11			<u>30</u>	<u>1109</u>				
P12			<u>33</u>	<u>1123</u>				
P13			<u>36</u>	<u>1134</u>				
P14			<u>39</u>	<u>1138</u>				
P15								
P16								
P17								
P18								
P19								
P20								

Flushed Tool

TKT # 22493
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TKI# 22493
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Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Oil & Gas Corp. Lease & Well No. Mason #1

Elevation - Formation - Effective Pay - Ft. Ticket No. 22494

Date 4-7-77 Sec. 3 Twp. 29S Range 13W County Pratt State Kansas

Test Approved by K.W. Dahlberg Western Representative Joe Lush

Formation Test No. 4 O.K. - Misrun Interval Tested From 4623' to 4665' Total Depth 4810'

Size Main Hole 77/8 Rat Hole - Conv. B.T. - Damaged - Yes No Conv. B.T. - Damaged - Yes No

Top Packer Depth 4618 Ft. Size 6 3/4 Bottom Packer Depth 4623 Ft. Size 6 3/4

Straddle yes Conv. B.T. - Damaged - Yes No Packer Depth 4665 Ft. Size 6 3/4

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 42 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4652 Ft. Clock No. 9103 Depth 4655 Ft. Clock No. 5665

Top Make Kuster Cap. 3000 No. 3474 ^{Inside} ~~Outside~~ Bottom Make Kuster Cap. 4400 No. 2603 ^{Inside} ~~Outside~~

Below Straddle: Depth 4807 Rec. No. 3660 Clock No. - ^{Inside} ~~Outside~~ Depth - Ft. Rec. No. - Clock No. - ^{Inside} ~~Outside~~

Time Set Packer 1:03 A M

Tool Open I.F.P. From - M. to - M. - Hr. - Min. From (B) - P.S.I. To (C) - P.S.I.

Tool Closed I.C.I.P. From - M. to - M. - Hr. - Min (D) - P.S.I.

Tool Open F.F.P. From - M. to - M. - Hr. - Min. From (E) - P.S.I. To (F) - P.S.I.

Tool Closed F.C.I.P. From - M. to - M. - Hr. - Min. (G) - P.S.I.

Initial Hydrostatic Pressure (A) 2219 P.S.I. Final Hydrostatic Pressure (H) 2194 P.S.I. Maximum Temp. -

INFORMATION

BLOW Packer failure, misrun.

Did Well Flow - Yes No Recovery Total Ft. -

Reversed Out - Yes No Mud Type premix Viscosity 45 Weight 9.0 Water Loss 9.6 cc. Chlorides 18,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. 408

Dual Packer Yes Did Packers Hold? No Did Tool Plug? - Where? -

DRILLING CONTRACTOR H-30 Drlg. Length Drill Pipe? 4468 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 125 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4H90 In. Length D.S.T. Tool 72 Ft. & 145' tail pipe.

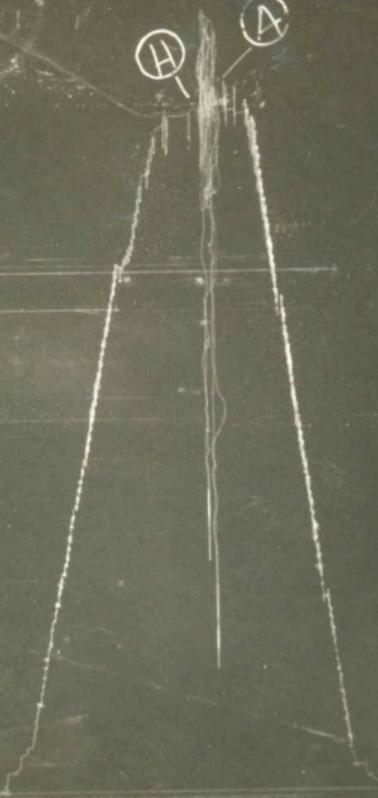
Remarks:

TK# 22494

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(H)

(A)



TK# 22494

Below Steadole



Tk# 22494

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Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Oil & Gas Corp. Lease & Well No. Mason #1

Elevation - Formation - Effective Pay - Ft. Ticker No. 22495

Date 4-7-77 Sec. 3 Twp. 29S Range 13W County Pratt State Kansas

Test Approved by K.W. Dahlberg Western Representative Joe Lush

Formation Test No. 5 O.K. - Misrun X Interval Tested From 4625' to 4665' Total Depth 4810'

Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged - Yes - No Conv. X B.T. - Damaged - Yes - No X

Top Packer Depth 4620 Ft. Size 6 3/4 Bottom Packer Depth 4625 Ft. Size 6 3/4

Straddle yes Conv. X B.T. - Damaged - Yes - No - Packer Depth 4665 Ft. Size 6 3/4

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 40 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4652 Ft. Clock No. 9103 Depth 4655 Ft. Clock No. 5665

Top Make Kuster Cap. 3000 No. 3474 ~~Inside~~ ^{Inside} Bottom Make Kuster Cap. 4400 No. 2603 ~~Outside~~ ^{Inside}

Below Straddle: Depth 4807 Rec. No. 3660 Clock No. 6895 ~~Inside~~ ^{Inside} Depth - Ft. Rec. No. - Clock No. - ~~Outside~~ ^{Outside}

Time Set Packer 7:20 AM

Tool Open I.F.P. From - M. to - M. - Hr. - Min. From (B) - P.S.I. To (C) - P.S.I.

Tool Closed I.C.I.P. From - M. to - M. - Hr. - Min (D) - P.S.I.

Tool Open F.F.P. From - M. to - M. - Hr. - Min. From (E) - P.S.I. To (F) - P.S.I.

Tool Closed F.C.I.P. From - M. to - M. - Hr. - Min. (G) - P.S.I.

Initial Hydrostatic Pressure (A) 2251 P.S.I. Final Hydrostatic Pressure (H) 2220 P.S.I. Maximum Temp. -

INFORMATION

BLOW Packer failure, misrun.

Did Well Flow - Yes X No - Recovery Total Ft. -

Reversed Out - Yes X No - Mud Type premix Viscosity 45 Weight 9.0 Water Loss 9.6 cc. Chlorides 18,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. 408

Dual Packer Yes Did Packers Hold? No Did Tool Plug? - Where? -

DRILLING CONTRACTOR H-30 Drlg. Length Drill Pipe? 4470 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 125 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4H90 In. Length D.S.T. Tool 70 Ft.

Remarks: Read outside recorder #2603.

TK# 22495

0

(H)

(A)



Tkt # 22495

Below Staddle



TK# 22495

I.



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Texas Oil & Gas Corp. Lease & Well No. Mason #1
Elevation - Formation - Effective Pay - Ft. Ticker No. 22496
Date 4-7-77 Sec. 3 Twp. 29S Range 13W County Pratt State Kansas
Test Approved by K.W. Dahlberg Western Representative Joe Lush
Formation Test No. 6 O.K. Misrun Interval Tested From 4615' to 4665' Total Depth 4810'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4604 Ft. Size 6 3/4 Bottom Packer Depth 4615 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth 4665 Ft. Size 6 3/4
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 50 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4652 Ft. Clock No. 9103 Depth 4655 Ft. Clock No. 5665
Top Make Kuster Cap. 3000 No. 3474 ~~Inside~~ Outside Bottom Make Kuster Cap. 4400 No. 2603 ~~Inside~~ Outside
Below Straddle: Depth 4677 Rec. No. 3660 Clock No. 6895 ~~Inside~~ Outside Depth - Ft. Rec. No. - Clock No. - ~~Inside~~ Outside
Time Set Packer 3:08 P.M.
Tool Open I.F.P. From 3:10 P.M. to 3:45 P.M. - Hr. 35 Min. From (B) 248 P.S.I. To (C) 257 P.S.I.
Tool Closed I.C.I.P. From 3:45 P.M. to 4:20 P.M. - Hr. 35 Min (D) 1129 P.S.I.
Tool Open F.F.P. From 4:20 P.M. to 5:05 P.M. - Hr. 45 Min. From (E) 285 P.S.I. To (F) 279 P.S.I.
Tool Closed F.C.I.P. From 5:05 P.M. to 6:35 P.M. 1 Hr. 30 Min. (G) 1129 P.S.I.
Initial Hydrostatic Pressure (A) 2240 P.S.I. Final Hydrostatic Pressure (H) 2222 P.S.I. Maximum Temp. 129

INFORMATION

BLOW Weak blow throughout test.
Did Well Flow Yes No Recovery Total Ft. 300' total recovery. 100' drilling mud, 200' muddy water.
Reversed Out Yes No Mud Type premix Viscosity 45 Weight 9.0 Water Loss 9.6 cc. Chlorides 18,000 P.P.M.
EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. 408
Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where? -
DRILLING CONTRACTOR H-30 Drlg. Co. Length Drill Pipe? 4324 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.
Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 248 Ft. I.D. Drill Collars 2 1/4 In.
Tool Joint Size 4H90n Length D.S.T. Tool 108 Ft.
Remarks: Reset hook 3 times. Clock #9103 stopped, read outside recorder #2603.
Chlorides check - 16,000 P.P.M. (top)
" " - 22,000 P.P.M. (middle)
" " - 23,000 P.P.M. (bottom)

WESTERN TESTING CO., INC.
Pressure Data

Date 4-7-77 Test Ticket No. 22496
 Recorder No. 2603 Capacity 4400 Location 4655 Ft.
 Clock No. 5665 Elevation - Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2240</u> P.S.I.	Open Tool	<u>3:08</u> P.M.	
B First Initial Flow Pressure	<u>248</u> P.S.I.	First Flow Pressure	<u>35</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>257</u> P.S.I.	Initial Closed-in Pressure	<u>35</u> Mins.	<u>36</u> Mins.
D Initial Closed-in Pressure	<u>1129</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>285</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>279</u> P.S.I.			
G Final Closed-in Pressure	<u>1129</u> P.S.I.			
H Final Hydrostatic Mud	<u>2222</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>7</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>12</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>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>248</u>	<u>0</u>	<u>257</u>	<u>0</u>	<u>283</u>	<u>0</u>	<u>279</u>
P 2 <u>5</u>	<u>248</u>	<u>3</u>	<u>993</u>	<u>5</u>	<u>279</u>	<u>3</u>	<u>763</u>
P 3 <u>10</u>	<u>248</u>	<u>6</u>	<u>1053</u>	<u>10</u>	<u>279</u>	<u>6</u>	<u>962</u>
P 4 <u>15</u>	<u>248</u>	<u>9</u>	<u>1075</u>	<u>15</u>	<u>279</u>	<u>9</u>	<u>1022</u>
P 5 <u>20</u>	<u>251</u>	<u>12</u>	<u>1091</u>	<u>20</u>	<u>279</u>	<u>12</u>	<u>1033</u>
P 6 <u>25</u>	<u>255</u>	<u>15</u>	<u>1101</u>	<u>25</u>	<u>279</u>	<u>15</u>	<u>1061</u>
P 7 <u>30</u>	<u>256</u>	<u>18</u>	<u>1108</u>	<u>30</u>	<u>279</u>	<u>18</u>	<u>1075</u>
P 8 <u>35</u>	<u>257</u>	<u>21</u>	<u>1113</u>	<u>35</u>	<u>279</u>	<u>21</u>	<u>1082</u>
P 9 _____		<u>24</u>	<u>1119</u>	<u>40</u>	<u>279</u>	<u>24</u>	<u>1089</u>
P10 _____		<u>27</u>	<u>1122</u>	<u>45</u>	<u>279</u>	<u>27</u>	<u>1093</u>
P11 _____		<u>30</u>	<u>1124</u>			<u>30</u>	<u>1099</u>
P12 _____		<u>33</u>	<u>1128</u>			<u>33</u>	<u>1102</u>
P13 _____		<u>36</u>	<u>1129</u>			<u>36</u>	<u>1105</u>
P14 _____						<u>39</u>	<u>1109</u>
P15 _____						<u>42</u>	<u>1111</u>
P16 _____						<u>45</u>	<u>1113</u>
P17 _____						<u>48</u>	<u>1115</u>
P18 _____						<u>51</u>	<u>1116</u>
P19 _____						<u>54</u>	<u>1117</u>
P20 _____						<u>57</u>	<u>1118</u>
						<u>60</u>	<u>1119</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 4-7-77 Test Ticket No. 22496
 Recorder No. 2603 Capacity 4400 Location 4655 Ft.
 Clock No. 5665 Elevation - Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2240</u> P.S.I.	Open Tool	<u>3:08</u> P.M.	
B First Initial Flow Pressure	<u>248</u> P.S.I.	First Flow Pressure	<u>35</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>257</u> P.S.I.	Initial Closed-in Pressure	<u>35</u> Mins.	<u>36</u> Mins.
D Initial Closed-in Pressure	<u>1129</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>285</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>279</u> P.S.I.			
G Final Closed-in Pressure	<u>1129</u> P.S.I.			
H Final Hydrostatic Mud	<u>2222</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 7 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 12 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

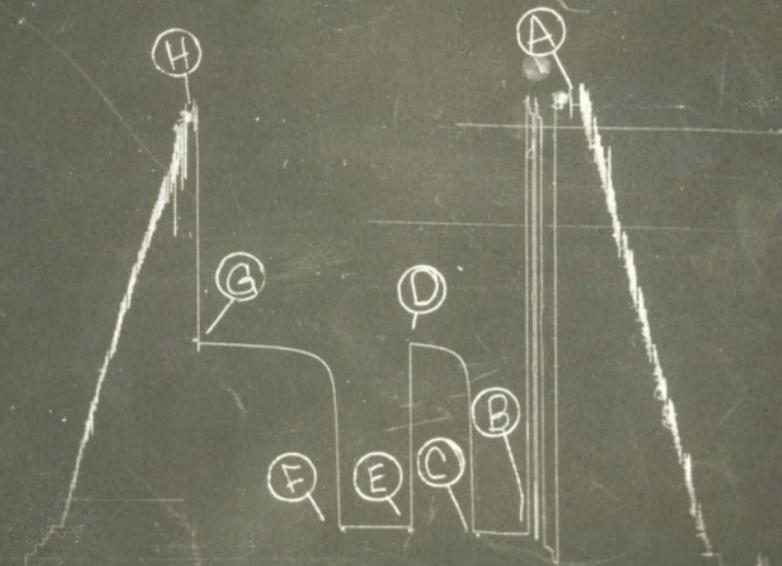
Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 30 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						<u>63</u>	<u>1121</u>
P 2						<u>66</u>	<u>1123</u>
P 3						<u>69</u>	<u>1125</u>
P 4						<u>72</u>	<u>1126</u>
P 5						<u>75</u>	<u>1127</u>
P 6						<u>78</u>	<u>1127</u>
P 7						<u>81</u>	<u>1128</u>
P 8						<u>84</u>	<u>1128</u>
P 9						<u>87</u>	<u>1129</u>
P10						<u>90</u>	<u>1129</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

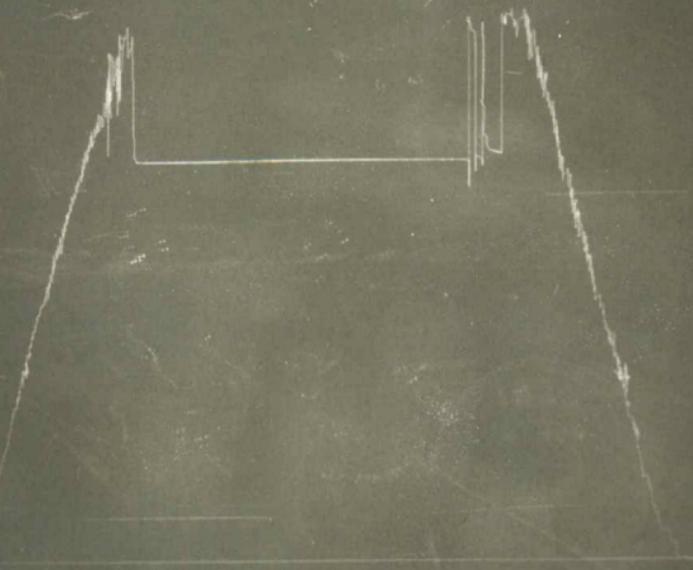
Tk# 22496

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Tk #22496

Below Staddle



TKI # 22496

I



Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

Company Texas Oil & Gas Corp. Lease & Well No. Mason #1
 Elevation - Formation - Effective Pay - Ft. Ticket No. 22497
 Date 4-8-77 Sec. 3 Twp. 29S Range 13W County Pratt State Kansas
 Test Approved by K.W. Dahlberg Western Representative Joe Lush

Formation Test No. 7 O.K. Misrun Interval Tested From 4426' to 4490' Total Depth 4810'
 Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 4421 Ft. Size 6 3/4 Bottom Packer Depth 4426 Ft. Size 6 3/4
 Straddle Yes Conv. B.T. Damaged Yes No Packer Depth 4490 Ft. Size 6 3/4

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 64 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
 RECORDERS Depth 4477 Ft. Clock No. 9103 Depth 4480 Ft. Clock No. 5665
 Top Make Kuster Cap. 3000 No. 3474 ^{Inside} ~~Outside~~ Bottom Make Kuster Cap. 4400 No. 2603 ^{Inside} ~~Outside~~
 Below Straddle: Depth 4447 Rec. No. 3660 Clock No. 6895 ^{Inside} ~~Outside~~ Depth - Ft. Rec. No. - Clock No. - ^{Inside} ~~Outside~~

Time Set Packer 2:13 A M
 Tool Open I.F.P. From 2:15 A M to 2:45 A M - Hr. 30 Min. From (B) 111 P.S.I. To (C) 109 P.S.I.
 Tool Closed I.C.I.P. From 2:45 A M to 3:45 A M 1 Hr. - Min (D) 558 P.S.I.
 Tool Open F.F.P. From 3:45 A M to 4:30 A M - Hr. 45 Min. From (E) 149 P.S.I. To (F) 141 P.S.I.
 Tool Closed F.C.I.P. From 4:30 M to 6:00 A M 1 Hr. 30 Min. (G) 501 P.S.I.
 Initial Hydrostatic Pressure (A) 2161 P.S.I. Final Hydrostatic Pressure (H) 2144 P.S.I. Maximum Temp. 126

INFORMATION

BLOW Weak blow throughout test.

Did Well Flow Yes No Recovery Total Ft. 124' drilling mud.

Reversed Out Yes No Mud Type premix Viscosity 45 Weight 9.0 Water Loss 9.6 cc. Chlorides 18,000 P.P.M.

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint yes Jars: Size 4 1/2 OD In. Make WTC Ser. No. 408

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -

DRILLING CONTRACTOR H-30 Drlg. Co. Length Drill Pipe? 4146 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 248 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4H90 In. Length D.S.T. Tool 156 Ft.

Remarks:

Chloride check - 12,000 P.P.M. (top)
 " " - 12,000 P.P.M. (middle)
 " " - 12,000 P.P.M. (bottom)

WESTERN TESTING CO., INC.
Pressure Data

Date 4-8-77 Test Ticket No. 22497
 Recorder No. 3474 Capacity 3000 Location 4477 Ft.
 Clock No. 6895 Elevation - Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2161</u> P.S.I.	Open Tool	<u>2:13</u> A M	
B First Initial Flow Pressure	<u>111</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>109</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>558</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>149</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>84</u> Mins.
F Second Final Flow Pressure	<u>141</u> P.S.I.			
G Final Closed-in Pressure	<u>501</u> P.S.I.			
H Final Hydrostatic Mud	<u>2144</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 60 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 9 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 28 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>111</u>	<u>0</u>	<u>109</u>	<u>0</u>	<u>149</u>	<u>0</u>	<u>141</u>
P 2 <u>5</u>	<u>109</u>	<u>3</u>	<u>115</u>	<u>5</u>	<u>138</u>	<u>3</u>	<u>145</u>
P 3 <u>10</u>	<u>109</u>	<u>6</u>	<u>134</u>	<u>10</u>	<u>138</u>	<u>6</u>	<u>152</u>
P 4 <u>15</u>	<u>109</u>	<u>9</u>	<u>149</u>	<u>15</u>	<u>138</u>	<u>9</u>	<u>163</u>
P 5 <u>20</u>	<u>109</u>	<u>12</u>	<u>166</u>	<u>20</u>	<u>139</u>	<u>12</u>	<u>172</u>
P 6 <u>25</u>	<u>109</u>	<u>15</u>	<u>185</u>	<u>25</u>	<u>139</u>	<u>15</u>	<u>183</u>
P 7 <u>30</u>	<u>109</u>	<u>18</u>	<u>202</u>	<u>30</u>	<u>140</u>	<u>18</u>	<u>194</u>
P 8 _____		<u>21</u>	<u>222</u>	<u>35</u>	<u>140</u>	<u>21</u>	<u>205</u>
P 9 _____		<u>24</u>	<u>243</u>	<u>40</u>	<u>141</u>	<u>24</u>	<u>217</u>
P10 _____		<u>27</u>	<u>266</u>	<u>45</u>	<u>141</u>	<u>27</u>	<u>227</u>
P11 _____		<u>30</u>	<u>289</u>			<u>30</u>	<u>238</u>
P12 _____		<u>33</u>	<u>314</u>			<u>33</u>	<u>250</u>
P13 _____		<u>36</u>	<u>340</u>			<u>36</u>	<u>265</u>
P14 _____		<u>39</u>	<u>365</u>			<u>39</u>	<u>277</u>
P15 _____		<u>42</u>	<u>394</u>			<u>42</u>	<u>291</u>
P16 _____		<u>45</u>	<u>422</u>			<u>45</u>	<u>306</u>
P17 _____		<u>48</u>	<u>449</u>			<u>48</u>	<u>320</u>
P18 _____		<u>51</u>	<u>480</u>			<u>51</u>	<u>333</u>
P19 _____		<u>54</u>	<u>514</u>			<u>54</u>	<u>349</u>
P20 _____		<u>57</u>	<u>552</u>			<u>57</u>	<u>365</u>
WTC - 4		<u>60</u>	<u>558</u>			<u>60</u>	<u>380</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 4-8-77 Test Ticket No. 22497
 Recorder No. 3474 Capacity 3000 Location 4477 Ft.
 Clock No. 6895 Elevation - Well Temperature 126 °F

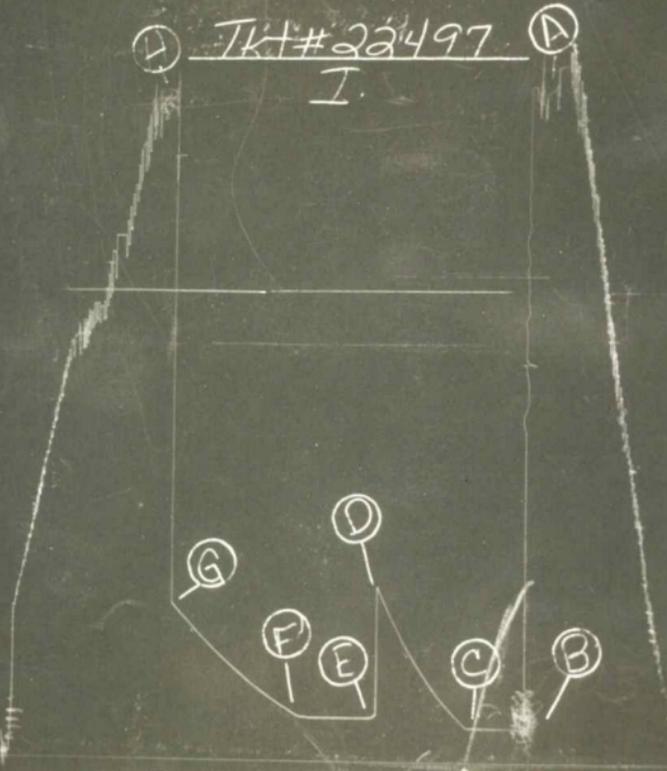
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2161</u> P.S.I.	Open Tool	<u>2:13</u> A.M.	
B First Initial Flow Pressure	<u>111</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>109</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>558</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>149</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>84</u> Mins.
F Second Final Flow Pressure	<u>141</u> P.S.I.			
G Final Closed-in Pressure	<u>501</u> P.S.I.			
H Final Hydrostatic Mud	<u>2144</u> P.S.I.			

PRESSURE BREAKDOWN

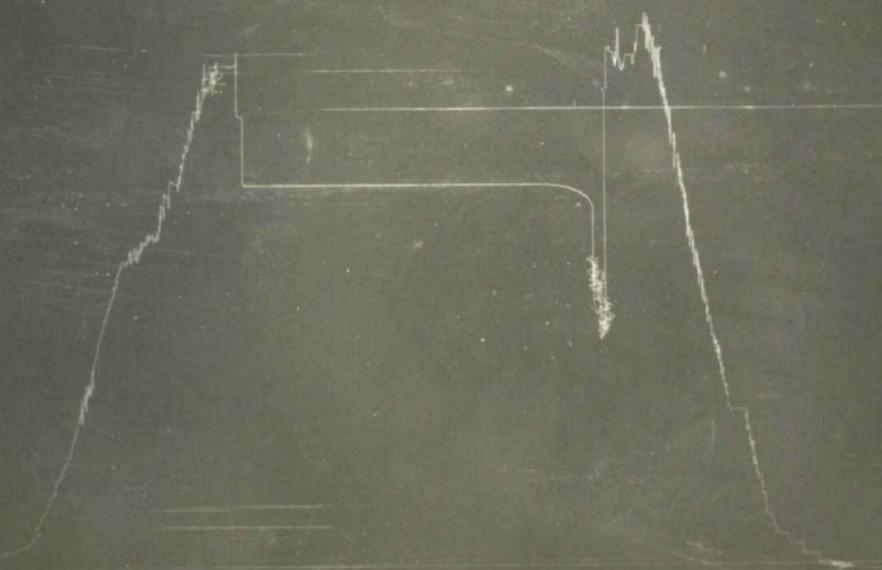
Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>28</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Point Minutes	Point Minutes	Point Minutes	Point Minutes
	Press.	Press.	Press.	Press.
P 1				<u>63</u> <u>396</u>
P 2				<u>66</u> <u>411</u>
P 3				<u>69</u> <u>428</u>
P 4				<u>72</u> <u>445</u>
P 5				<u>75</u> <u>462</u>
P 6				<u>78</u> <u>478</u>
P 7				<u>81</u> <u>497</u>
P 8				<u>84</u> <u>501</u>
P 9				
P10				
P11				
P12				
P13				
P14				
P15				
P16				
P17				
P18				
P19				
P20				

TK# 22497

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Tk #22497
Below Straddle



TK# 22497

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