

Company Texas Oil & Gas Corporation Lease & Well No. Stucky "A" #1
 Elevation 1530 Kelly Bushing Formation Viola Effective Pay ---- Ft. Ticket No. 4375
 Date 12/16/79 Sec. 31 Twp. 29S Range 5W County Kingman State Kansas
 Test Approved by Wm. K. Clark Western Representative Mike Tritt

Formation Test No. 1 Interval Tested from 4487 ft. to 4491 ft. Total Depth 4491 ft.
 Packer Depth 4482 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4487 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4478 ft. Recorder Number 3354 Cap. 4200
 Bottom Recorder Depth (Outside) - ft. Recorder Number - Cap. -
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Slawson Drilling Rig #4 Drill Collar Length - I. D. - in.
 Mud Type Native Viscosity 27 Weight Pipe Length 157 I. D. 3.8 in.
 Weight 9.6 Water Loss NC cc. Drill Pipe Length 4297 I. D. 3.8 in.
 Chlorides 98,000 P.P.M. Test Tool Length 33 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 404 Anchor Length 4 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: Very weak blow dying out in less than one minutes in each flow period.

Recovered 5 ft. of very slightly oil cut mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: Flushed tool one time.

Time Set Packer(s) 12:10 ~~AM~~ P.M. Time Started Off Bottom 3:10 ~~AM~~ P.M. Maximum Temperature 140⁰
 Initial Hydrostatic Pressure (A) 2248 P.S.I.
 Initial Flow Period Minutes 30 (B) 25 P.S.I. to (C) 25 P.S.I.
 Initial Closed In Period Minutes 60 (D) 73 P.S.I.
 Final Flow Period Minutes 30 (E) 31 P.S.I. to (F) 31 P.S.I.
 Final Closed In Period Minutes 60 (G) 48 P.S.I.
 Final Hydrostatic Pressure (H) 2229 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 12/16/79 Test Ticket No. 4375
 Recorder No. 3354 Capacity 4200 Location 4478 Ft.
 Clock No. --- Elevation 1530 Kelly Bushing Well Temperature 140 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2248 P.S.I.	Open Tool	12:10P	M
B First Initial Flow Pressure	25 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	25 P.S.I.	Initial Closed-in Pressure	60 Mins.	57 Mins.
D Initial Closed-in Pressure	73 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	31 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	31 P.S.I.			
G Final Closed-in Pressure	48 P.S.I.			
H Final Hydrostatic Mud	2229 P.S.I.			

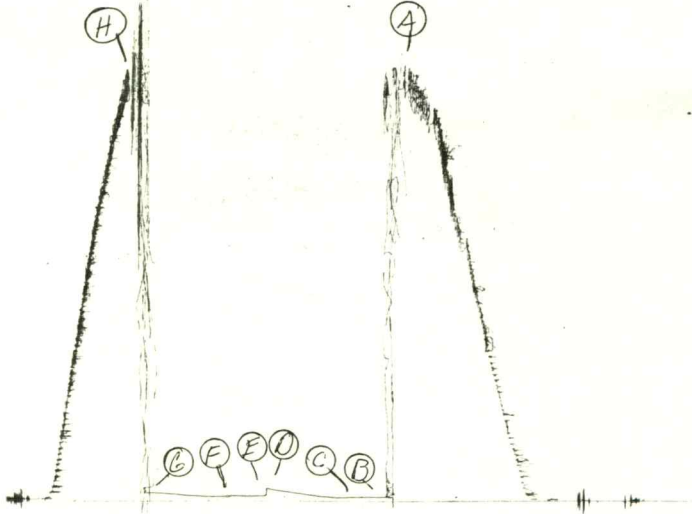
PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.		of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 0	25	0	25	0	31	0	31	
P 2 5	25	3	25	5	31	3	27	
P 3 10	25	6	25	10	31	6	27	
P 4 15	25	9	25	15	31	9	27	
P 5 20	25	12	25	20	31	12	27	
P 6 25	25	15	26	25	31	15	27	
P 7 30	25	18	30	30	31	18	29	
P 8		21	33			21	31	
P 9		24	36			24	33	
P10		27	40			27	34	
P11		30	42			30	35	
P12		33	44			33	37	
P13		36	49			36	40	
P14		39	52			39	42	
P15		42	54			42	44	
P16		45	57			45	44	
P17		48	61			48	44	
P18		51	65			51	45	
P19		54	69			54	46	
P20		57	73			57	47	
						60	48	

TKL # 4375

(H) (A)

(G) (F) (E) (D) (C) (B)



Company Texas Oil & Gas Corporation Lease & Well No. Stucky "A" #1
 Elevation 1530 Kelly Bushing Viola Formation --- Effective Pay --- Ft. Ticket No. 3476
 Date 12/17/79 Sec. 31 Twp. 29S Range 5W County Kingman State Kansas
 Test Approved by G. W. Hicks Western Representative Mike Tritt

Formation Test No. 2 Interval Tested from 4491 ft. to 4499 ft. Total Depth 4499 ft.
 Packer Depth 4486 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4491 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4492 ft. Recorder Number 3354 Cap. 4200
 Bottom Recorder Depth (Outside) 4495 ft. Recorder Number 2605 Cap. 4150
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Slawson Drilling Rig #4 Drill Collar Length - I. D. - in.
 Mud Type drispac Viscosity 48 Weight Pipe Length 157 I. D. 3.8 in.
 Weight 9.2 Water Loss 14 cc. Drill Pipe Length - I. D. 3.8 in.
 Chlorides 13,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 404 Anchor Length 8 ft. Size 5 1/2 OD in.
 Did Well Flow? - 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 FH in.

Blow: Weak blow dying down to very weak on first flow period. Weak blow dying second flow period.

Recovered 180 ft. of salt water
 Recovered 60 ft. of very slightly oil cut mud Recovery chlorides:
 Top: 27,000 ppm
 Middle: 48,000 ppm
 Bottom: 51,000 ppm
 Mud Chlorides: 15,000 ppm
 Remarks: _____

Time Set Packer(s) 5:00 A.M. Time Started Off Bottom 8:45 A.M. Maximum Temperature 144⁰
--- P.M.
 Initial Hydrostatic Pressure (A) 2343 P.S.I.
 Initial Flow Period Minutes 30 (B) 46 P.S.I. to (C) 91 P.S.I.
 Initial Closed In Period Minutes 66 (D) 1569 P.S.I.
 Final Flow Period Minutes 45 (E) 101 P.S.I. to (F) 129 P.S.I.
 Final Closed In Period Minutes 90 (G) 1559 P.S.I.
 Final Hydrostatic Pressure (H) 2225 P.S.I.

WESTERN TESTING CO., INC.
Pressure Data

Date 12/17/79 Test Ticket No. 3476
 Recorder No. 3354 Capacity 4200 Location 4492 Ft.
 Clock No. --- Elevation 1530 Kelly Bushing Well Temperature 144 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2343</u> P.S.I.	Open Tool	<u>5:00A</u>	<u>M</u>
B First Initial Flow Pressure	<u>46</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>91</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>66</u> Mins.
D Initial Closed-in Pressure	<u>1569</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>101</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>129</u> P.S.I.			
G Final Closed-in Pressure	<u>1559</u> P.S.I.			
H Final Hydrostatic Mud	<u>2225</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of <u>6</u> mins. and a		of <u>22</u> mins. and a		of <u>9</u> mins. and a		of <u>30</u> mins. and a	
	final inc. of <u>5</u> Min.		final inc. of <u>3</u> Min.		final inc. of <u>5</u> Min.		final inc. of <u>3</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 <u>0</u>	<u>46</u>	<u>0</u>	<u>91</u>	<u>0</u>	<u>101</u>	<u>0</u>	<u>129</u>	
P 2 <u>5</u>	<u>46</u>	<u>3</u>	<u>456</u>	<u>5</u>	<u>101</u>	<u>3</u>	<u>515</u>	
P 3 <u>10</u>	<u>57</u>	<u>6</u>	<u>890</u>	<u>10</u>	<u>103</u>	<u>6</u>	<u>951</u>	
P 4 <u>15</u>	<u>65</u>	<u>9</u>	<u>1466</u>	<u>15</u>	<u>107</u>	<u>9</u>	<u>1338</u>	
P 5 <u>20</u>	<u>72</u>	<u>12</u>	<u>1555</u>	<u>20</u>	<u>112</u>	<u>12</u>	<u>1540</u>	
P 6 <u>25</u>	<u>78</u>	<u>15</u>	<u>1561</u>	<u>25</u>	<u>116</u>	<u>15</u>	<u>1553</u>	
P 7 <u>30</u>	<u>91</u>	<u>18</u>	<u>1564</u>	<u>30</u>	<u>120</u>	<u>18</u>	<u>1557</u>	
P 8		<u>21</u>	<u>1564</u>	<u>35</u>	<u>123</u>	<u>21</u>	<u>1559</u>	
P 9		<u>24</u>	<u>1564</u>	<u>40</u>	<u>127</u>	<u>24</u>	<u>1560</u>	
P10		<u>27</u>	<u>1564</u>	<u>45</u>	<u>129</u>	<u>27</u>	<u>1560</u>	
P11		<u>30</u>	<u>1564</u>			<u>30</u>	<u>1560</u>	
P12		<u>33</u>	<u>1564</u>			<u>33</u>	<u>1560</u>	
P13		<u>36</u>	<u>1564</u>			<u>36</u>	<u>1560</u>	
P14		<u>39</u>	<u>1566</u>			<u>39</u>	<u>1561</u>	
P15		<u>42</u>	<u>1566</u>			<u>42</u>	<u>1564</u>	
P16		<u>45</u>	<u>1566</u>			<u>45</u>	<u>1564</u>	
P17		<u>48</u>	<u>1568</u>			<u>48</u>	<u>1564</u>	
P18		<u>51</u>	<u>1569</u>			<u>51</u>	<u>1563</u>	
P19		<u>54</u>	<u>1569</u>			<u>54</u>	<u>1563</u>	
P20		<u>57</u>	<u>1569</u>			<u>57</u>	<u>1563</u>	
		<u>60</u>	<u>1569</u>			<u>60</u>	<u>1563</u>	
		<u>63</u>	<u>1569</u>					

WESTERN TESTING CO., INC.
Pressure Data

Date 12/17/79 Test Ticket No. 3476
 Recorder No. 3354 Capacity 4200 Location 4492 Ft.
 Clock No. --- Elevation 1530 Kelly Bushing Well Temperature 144 °F

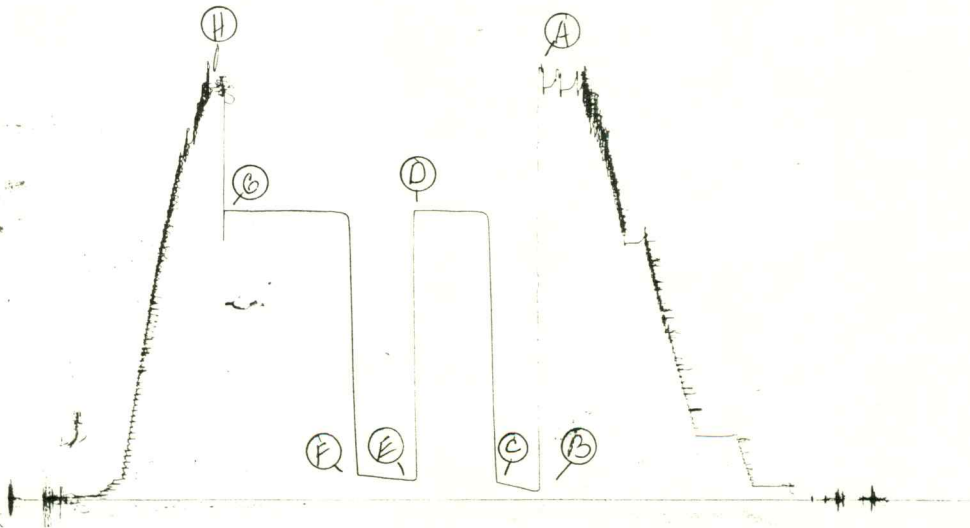
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2343</u> P.S.I.	Open Tool	<u>5:00A</u> M	
B First Initial Flow Pressure	<u>46</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>91</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>66</u> Mins.
D Initial Closed-in Pressure	<u>1569</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>101</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>129</u> P.S.I.			
G Final Closed-in Pressure	<u>1559</u> P.S.I.			
H Final Hydrostatic Mud	<u>2225</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1								<u>63</u>
P 2								<u>66</u>
P 3								<u>69</u>
P 4								<u>72</u>
P 5								<u>75</u>
P 6								<u>78</u>
P 7								<u>81</u>
P 8								<u>84</u>
P 9								<u>87</u>
P10								<u>90</u>
P11								
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

3354 DST#2

TKC# 3476
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TRG # 3476

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