

Phone
(303) 830-8080

Drill Stem Testers, Inc.

Denver Center Bldg.
1776 Lincoln St., Suite 408
Denver, CO 80203

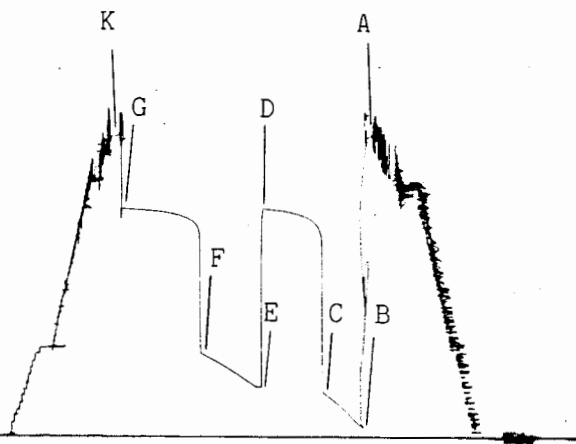
Contractor Wheatstate
Rig No. 1
Spot C-N-NE
Sec. 3
Twp. 27S
Rng. 12W
Field --
County Pratt
State Kansas
Elevation 1896'KB
Formation Toronto
On Location @ 9:00am 2-12-85

Surface Choke 1"
Bottom Choke 5/8"
Hole Size 7 7/8"
Core Hole Size --
DP Size & Wt. 4 1/2" XH 16.60
Wt. Pipe --
I.D. of DC 2.25"
Length of DC 120'
Total Depth 3555'
Type Test Conventional
Interval 3543-3555'
Off Location @ 5:30pm 2-12-85

Mud Type Chemical
Weight 9.5
Viscosity 33
Water Loss 66.0
Filter Cake 3/32
Resistivity -- @ -- of
27000 Ppm. NaCl
B.H.T. 114 of
Co. Rep. Mike Schwartz
Tester Richard Farmer

	REPORTED	CORRECTED
Opened Tool @	<u>11:25 am</u>	<u>hrs.</u>
Flow No. 1	<u>30</u>	<u>31</u> min.
Shut-in No. 1	<u>45</u>	<u>46</u> min.
Flow No. 2	<u>45</u>	<u>47</u> min.
Shut-in No. 2	<u>60</u>	<u>61</u> min.
Flow No. 3	<u>--</u>	<u>--</u> min.
Shut-in No. 3	<u>--</u>	<u>--</u> min.

Recorder Type Kuster AK-1
No. 1553 Cap. 4350 psi
Depth 3548 feet
Inside X Outside
Clock No. 27570 Hr. 12
Initial Hydrostatic A 1755
Final Hydrostatic K 1734
Initial Flow B 65
Final Initial Flow C 273
Initial Shut-in D 1345
Second Initial Flow E 308
Second Final Flow F 503
Second Shut-in G 1346
Third Initial Flow H --
Third Final Flow I --
Third Shut-in J --



Pipe Recovery: 950' Gassy salt water = 12.38 bbls.
Top Sample RW - .2 @ 70°F = 33,000 ppm NaCl
Middle and Bottom Sample RW - .06 @ 70°F = 142,000 ppm NaCl

Surface Blow:
1st Flow: Tool opened with a 1" blow, increased to a strong blow in 5 minutes and remained throughout flow period.
2nd Flow: Tool opened with a 1" blow, increased to a strong blow in 8 minutes and remained throughout flow period.

Operator **TEXAS ENERGIES, INC.**
Ticket No. **782**

Well Name & No. **STUDER #1-3**
Date **2-12-85**

DST No. **1**
Interval **3543-3555'**

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

STUDER #1-3

Well Name and No.

1

DST No.

RECORDER NO. 1553

DEPTH 3548 Ft.

INITIAL SHUT-IN
INITIAL FLOW TIME: T = 31

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	273
2	15.08	1212
4	8.41	1242
6	6.03	1259
8	4.81	1271
10	4.02	1285
15	3.03	1303
20	2.53	1316
25	2.22	1327
30	2.02	1333
35	1.88	1338
40	1.76	1341
45	1.68	1343
46	1.66	1345

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

STUDER #1-3

Well Name and No.

1

DST No.

RECORDER NO. 1553

DEPTH 3548 Ft.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 78

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	503
2	37.97	1229
4	20.17	1255
6	13.94	1270
8	10.58	1280
10	8.84	1287
15	6.18	1303
20	4.89	1313
25	4.12	1321
30	3.60	1327
35	3.23	1332
40	2.95	1334
45	2.73	1337
50	2.56	1340
55	2.42	1342
60	2.30	1345
61	2.27	1346

Drill Stem Testers, Inc.

DISTRIBUTION OF FINAL REPORTS

TEXAS ENERGIES, INC.

STUDER #1-3

Operator

Well Name and No.

Texas Energies, Inc. (5)
P.O. Box 947
Pratt, Kansas, 67124

Phone
(303) 830-8080

Drill Stem Testers, Inc.

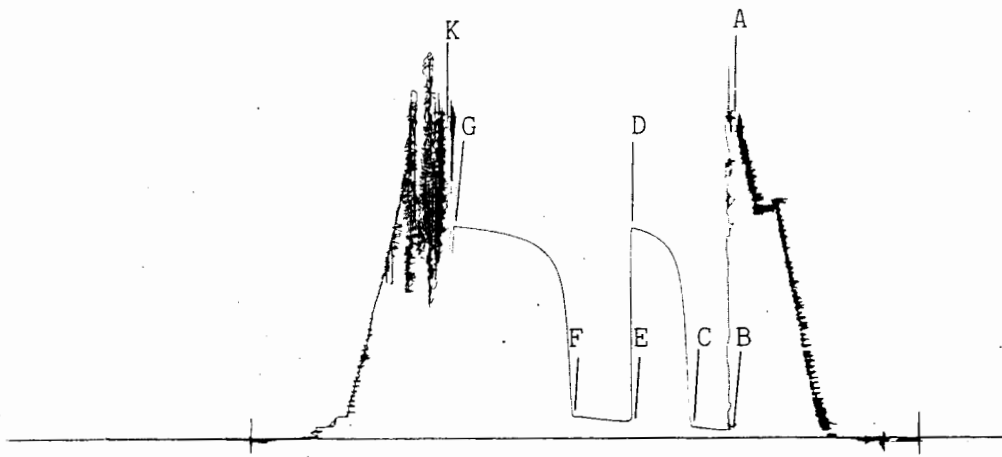
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1776 Lincoln St., Suite 408
Denver, CO 80203

Contractor <u>Wheatstate</u>	Surface Choke <u>1"</u>	Mud Type <u>Chemical</u>
Rig No. <u>1</u>	Bottom Choke <u>5/8"</u>	Weight <u>9.3</u>
Spot <u>C-N-NE</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>38</u>
Sec. <u>3</u>	Core Hole Size <u>--</u>	Water Loss <u>14.6</u>
Twp. <u>27S</u>	DP Size & Wt. <u>4 1/2" XH 16.60</u>	Filter Cake <u>2/32</u>
Rng. <u>12W</u>	Wt. Pipe <u>--</u>	Resistivity <u>--</u> @ <u>--</u> of
Field <u>--</u>	I.D. of DC <u>2.25"</u>	<u>17,500</u> Ppm. NaCl
County <u>Pratt</u>	Length of DC <u>120'</u>	B.H.T. <u>119</u> of
State <u>Kansas</u>	Total Depth <u>3764'</u>	Co. Rep. <u>Mike Schwartz</u>
Elevation <u>1896' KB</u>	Type Test <u>Conventional</u>	Tester <u>Richard Farmer</u>
Formation <u>Lansing</u>	Interval <u>3738-3764'</u>	
On Location @ <u>6:30 am</u>	Off Location @ <u>5:00 pm</u>	

	REPORTED	CORRECTED
Opened Tool @	<u>9:53 am</u>	<u>hrs.</u>
Flow No. 1	<u>30</u>	<u>29</u> min.
Shut-in No. 1	<u>45</u>	<u>47</u> min.
Flow No. 2	<u>45</u>	<u>45</u> min.
Shut-in No. 2	<u>90</u>	<u>92</u> min.
Flow No. 3	<u>--</u>	<u>--</u> min.
Shut-in No. 3	<u>--</u>	<u>--</u> min.

Recorder Type Kuster AK-1
No. 1553 Cap. 4350 psi
Depth 3757 feet
Inside X Outside

Clock No. <u>27570</u>	Hr. <u>12</u>
Initial Hydrostatic	A <u>1847</u>
Final Hydrostatic	K <u>1829</u>
Initial Flow	B <u>71</u>
Final Initial Flow	C <u>87</u>
Initial Shut-in	D <u>1252</u>
Second Initial Flow	E <u>126</u>
Second Final Flow	F <u>147</u>
Second Shut-in	G <u>1256</u>
Third Initial Flow	H <u>--</u>
Third Final Flow	I <u>--</u>
Third Shut-in	J <u>--</u>



Pipe Recovery: 1100' Gas in pipe above fluid.
275' Total fluid
100' 5% gas, 50% oil, 5% water, 40% mud = 1.42 bbls.
100' 5% oil, 70% water, 25% mud = 1.00 bbls.
75' Water = .37 bbls.

Surface Blow: Bottom Sample RW: .06 @ 55°F = 200,000 ppm NaCl
1st Flow: Tool opened with a strong blow, increased to a bottom of bucket blow and remained throughout flow period.
2nd Flow: Tool opened with a strong blow, increased to a bottom of bucket blow in 5 minutes and remained throughout flow period.

Operator **TEXAS ENERGIES, INC.**
Ticket No. 783

Well Name & No. **STUDER #1-3**
Date 2-13-85

DST No. 2
Interval 3738-3764'

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

STUDER #1-3

2

Operator

Well Name and No.

DST No.

RECORDER NO. 1553

DEPTH 3757 Ft.

INITIAL SHUT-IN
INITIAL FLOW TIME: T = 29

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	87
2	15.77	223
4	8.11	497
6	5.80	772
8	4.62	895
10	3.87	991
15	2.92	1097
20	2.44	1151
25	2.16	1186
30	1.96	1211
35	1.82	1225
40	1.72	1236
45	1.64	1249
47	1.62	1252

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

STUDER #1-3

2

Operator

Well Name and No.

DST No.

RECORDER NO. 1553

DEPTH 3757 Ft.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 74

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	147
2	36.21	334
4	19.26	637
6	13.33	810
8	10.30	897
10	8.36	960
15	5.93	1048
20	4.71	1097
25	3.95	1132
30	3.48	1155
35	3.13	1176
40	2.85	1189
45	2.65	1200
50	2.48	1211
55	2.35	1220
60	2.24	1227
70	2.06	1238
80	1.93	1249
90	1.82	1255
92	1.80	1256

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STUDER #1-3

Operator

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P.O. Box 947
Pratt, Kansas, 67124

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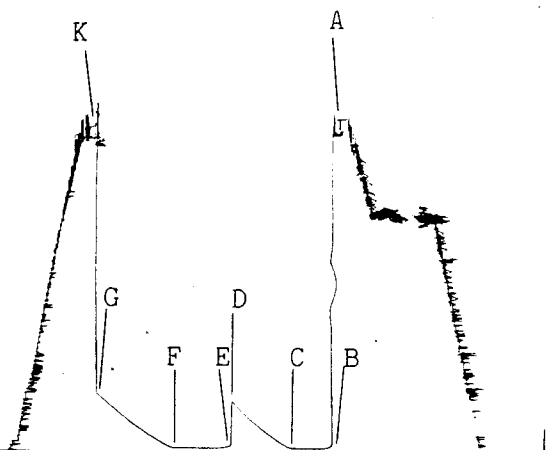
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1776 Lincoln St., Suite 408
Denver, CO 80203

Contractor <u>Wheatstate</u>	Surface Choke <u>1"</u>	Mud Type <u>Chemical</u>
Rig No. <u>1</u>	Bottom Choke <u>5/8"</u>	Weight <u>9.3</u>
Spot <u>C-N-NE</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>42</u>
Sec. <u>3</u>	Core Hole Size <u>--</u>	Water Loss <u>11.2</u>
Twp. <u>27S</u>	DP Size & Wt. <u>4 1/2" XH 16.60</u>	Filter Cake <u>2/32</u>
Rng. <u>12W</u>	Wt. Pipe <u>--</u>	Resistivity <u>--</u> @ <u>--</u> of
Field <u>--</u>	I.D. of DC <u>2.25"</u>	<u>17500</u> Ppm. NaCl
County <u>Pratt</u>	Length of DC <u>120'</u>	B.H.T. <u>114</u> of
State <u>Kansas</u>	Total Depth <u>3895'</u>	Co. Rep. <u>Mike Schwartz</u>
Elevation <u>1896'KB</u>	Type Test <u>Conventional</u>	Tester <u>Richard Farmer</u>
Formation <u>Lansing</u>	Interval <u>3880-3895'</u>	
On Location @ <u>3:00am 2-14-85</u>	Off Location @ <u>10:30am 2-14-85</u>	

	REPORTED	CORRECTED
Opened Tool @	<u>5:34</u> am	hrs.
Flow No. 1	<u>30</u>	<u>30</u> min.
Shut-in No. 1	<u>45</u>	<u>48</u> min.
Flow No. 2	<u>45</u>	<u>45</u> min.
Shut-in No. 2	<u>60</u>	<u>60</u> min.
Flow No. 3	<u>--</u>	min.
Shut-in No. 3	<u>--</u>	min.

Recorder Type Kuster AK-1
No. 1553 Cap. 4350 psi
Depth 3887 feet

	Inside X	Outside
Clock No. <u>27570</u>	Hr. <u>12</u>	
Initial Hydrostatic	A	<u>1894</u>
Final Hydrostatic	K	<u>1873</u>
Initial Flow	B	<u>58</u>
Final Initial Flow	C	<u>43</u>
Initial Shut-in	D	<u>314</u>
Second Initial Flow	E	<u>57</u>
Second Final Flow	F	<u>46</u>
Second Shut-in	G	<u>364</u>
Third Initial Flow	H	<u>--</u>
Third Final Flow	I	<u>--</u>
Third Shut-in	J	<u>--</u>



Pipe Recovery: 300' Gas in pipe above fluid.
10' 3% oil, 97% mud = .05 bbls.

Surface Blow:

1st Flow: Tool opened with a 1" blow, increased to a 6" blow at end of flow period.

2nd Flow: Tool opened with a 1" blow and increased to an 8" blow at end of flow period.

Operator TEXAS ENERGIES, INC.
Ticket No. 784

Well Name & No. STUDER #1-3
Date 2-14-85

DST No. 3
Interval 3880-3895'

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

STUDER #1-3

Well Name and No.

3

DST No.

RECORDER NO. 1553

DEPTH 3887 Ft.

INITIAL SHUT-IN

INITIAL FLOW TIME: T = 30

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	43
2	15.29	46
4	8.41	50
6	6.00	56
8	4.70	64
10	3.99	73
15	3.01	98
20	2.50	122
25	2.20	151
30	2.01	183
35	1.86	215
40	1.75	252
45	1.67	295
48	1.63	314

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

STUDER #1-3

Well Name and No.

3

DST No.

RECORDER NO. 1553

DEPTH 3887 Ft.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 75

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	46
2	36.57	51
4	19.44	57
6	13.45	64
8	10.22	72
10	8.43	81
15	5.98	101
20	4.74	123
25	4.00	149
30	3.50	173
35	3.15	200
40	2.87	232
45	2.67	264
50	2.50	295
55	2.36	328
60	2.25	364

Drill Stem Testers, Inc.

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TEXAS ENERGIES, INC.

STUDER #1-3

Operator

Well Name and No.

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Pratt, Kansas, 67124

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(303) 830-8080

Drill Stem Testers, Inc.

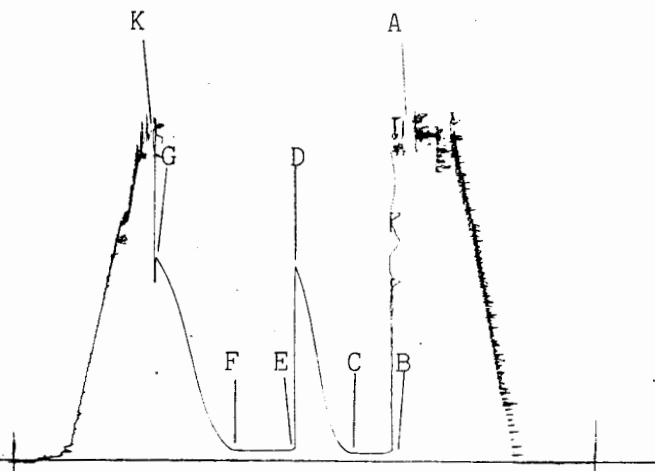
Denver Center Bldg.
1776 Lincoln St., Suite 408
Denver, CO 80203

Contractor <u>Wheatstate</u>	Surface Choke <u>1"</u>	Mud Type <u>Chemical</u>
Rig No. <u>1</u>	Bottom Choke <u>5/8"</u>	Weight <u>9.3</u>
Spot <u>C-N-NE</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>38</u>
Sec. <u>3</u>	Core Hole Size <u>--</u>	Water Loss <u>13.6</u>
Twp. <u>27S</u>	DP Size & Wt. <u>4 1/2" XH 16.60</u>	Filter Cake <u>2/32</u>
Rng. <u>12W</u>	Wt. Pipe <u>--</u>	Resistivity <u>--</u> @ <u>--</u> OF
Field <u>--</u>	I.D. of DC <u>2.25"</u>	<u>17800</u> Ppm. NaCl
County <u>Pratt</u>	Length of DC <u>120'</u>	B.H.T. <u>115</u> OF
State <u>Kansas</u>	Total Depth <u>3977'</u>	Co. Rep. <u>Mike Schwartz</u>
Elevation <u>1896'KB</u>	Type Test <u>Conventional</u>	Tester <u>Richard Farmer</u>
Formation <u>Lansing</u>	Interval <u>3939-3977'</u>	
On Location @ <u>6:45pm 2-14-85</u>	Off Location @ <u>3:30am 2-15-85</u>	

	REPORTED	CORRECTED
Opened Tool @	<u>10:03 pm</u>	<u>hrs.</u>
Flow No. 1	<u>30</u>	<u>30</u> min.
Shut-in No. 1	<u>45</u>	<u>45</u> min.
Flow No. 2	<u>45</u>	<u>46</u> min.
Shut-in No. 2	<u>60</u>	<u>61</u> min.
Flow No. 3	<u>--</u>	<u>--</u> min.
Shut-in No. 3	<u>--</u>	<u>--</u> min.

Recorder Type <u>Kuster AK-1</u>
No. <u>1553</u> Cap. <u>4350</u> psi
Depth <u>3970</u> feet
Inside <u>X</u> Outside

Clock No. <u>27570</u>	Hr. <u>12</u>
Initial Hydrostatic	A <u>1921</u>
Final Hydrostatic	K <u>1909</u>
Initial Flow	B <u>72</u>
Final Initial Flow	C <u>63</u>
Initial Shut-in	D <u>1151</u>
Second Initial Flow	E <u>83</u>
Second Final Flow	F <u>77</u>
Second Shut-in	G <u>1203</u>
Third Initial Flow	H <u>--</u>
Third Final Flow	I <u>--</u>
Third Shut-in	J <u>--</u>



Pipe Recovery: 110' Gas in pipe above fluid.
70' Very slightly oil specked gas cut mud = .34 bbls.
(1% oil, 99% mud, no water)

Surface Blow:

- 1st Flow: Tool opened with a 1" blow increasing to a 3" blow at end of flow period.
- 2nd Flow: Tool opened with a surface bubble blow increasing to a 3" blow at end of flow period.

Operator **TEXAS ENERGIES, INC.**
Ticket No. 789

Well Name & No. **STUDER #1-3**
Date 2-14-85

DST No. 4
Interval 3939-3977'

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

STUDER #1-3

4

Operator

Well Name and No.

DST No.

RECORDER NO. 1553

DEPTH 3970 Ft.

INITIAL SHUT-IN
INITIAL FLOW TIME: T = 30

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	63
2	15.21	65
4	8.37	72
6	5.97	80
8	4.75	91
10	3.97	108
15	2.99	173
20	2.50	292
25	2.20	478
30	2.00	692
35	1.85	896
40	1.75	1047
45	1.67	1151

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

STUDER #1-3

Well Name and No.

4

DST No.

RECORDER NO. 1553

DEPTH 3970 Ft.

FINAL SHUT-IN
TOTAL FLOW TIME: T = 76

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	77
2	37.14	81
4	19.74	89
6	13.67	100
8	10.37	114
10	8.55	129
15	6.06	186
20	4.80	257
25	4.05	359
30	3.54	494
35	3.17	656
40	2.90	814
45	2.69	946
50	2.52	1044
55	2.39	1123
60	2.27	1193
61	2.25	1203

Drill Stem Testers, Inc.

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STUDER #1-3

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Drill Stem Testers, Inc.

Denver Center Bldg.
1776 Lincoln St., Suite 408
Denver, CO 80203

Contractor <u>Wheatstate</u>	Surface Choke <u>1"</u>	Mud Type <u>Gel-Chemical</u>
Rig No. <u>--</u>	Bottom Choke <u>5/8"</u>	Weight <u>9.0</u>
Spot <u>C-N-NE</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>38</u>
Sec. <u>3</u>	Core Hole Size <u>--</u>	Water Loss <u>16.0</u>
Twp. <u>27S</u>	DP Size & Wt. <u>4 1/2" XH 16.60</u>	Filter Cake <u>2/32</u>
Rng. <u>12W</u>	Wt. Pipe <u>--</u>	Resistivity <u>--</u> @ <u>--</u> of
Field <u>--</u>	I.D. of DC <u>2.25"</u>	<u>19000</u> Ppm. NaCl
County <u>Pratt</u>	Length of DC <u>120'</u>	B.H.T. <u>116</u> of
State <u>Kansas</u>	Total Depth <u>4237'</u>	Co. Rep. <u>Mike Schwartz</u>
Elevation <u>1896'KB</u>	Type Test <u>Conventional</u>	Tester <u>Kurt Karst</u>
Formation <u>Mississippi</u>	Interval <u>4168-4237'</u>	
On Location @ <u>9:30pm 2-15-85</u>	Off Location @ <u>8:00am 2-16-85</u>	

	REPORTED	CORRECTED
Opened Tool @	<u>12:20 am</u>	<u>hrs.</u>
Flow No. 1	<u>30</u>	<u>29</u> min.
Shut-in No. 1	<u>45</u>	<u>45</u> min.
Flow No. 2	<u>45</u>	<u>44</u> min.
Shut-in No. 2	<u>90</u>	<u>94</u> min.
Flow No. 3	<u>--</u>	<u>--</u> min.
Shut-in No. 3	<u>--</u>	<u>--</u> min.

Recorder Type Kuster AK-1
No. 13635 Cap. 5600 psi
Depth 4150 feet
Inside X Outside

	Clock No. <u>25815</u>	Hr. <u>12</u>
Initial Hydrostatic	A	<u>2041</u>
Final Hydrostatic	K	<u>2019</u>
Initial Flow	B	<u>105</u>
Final Initial Flow	C	<u>80</u>
Initial Shut-in	D	<u>1340</u>
Second Initial Flow	E	<u>159</u>
Second Final Flow	F	<u>182</u>
Second Shut-in	G	<u>1314</u>
Third Initial Flow	H	<u>--</u>
Third Final Flow	I	<u>--</u>
Third Shut-in	J	<u>--</u>

Pipe Recovery:	455'	Total fluid
	215'	Heavily mud and gas cut oil = 3.05 bbls. (60% oil, 10% gas, 30% mud)
	120'	Mud and gas cut oil = 1.70 bbls. (80% oil, 10% gas, 10% mud)
	120'	Slightly mud and gas cut oil = .59 bbls. (90% oil, 5% gas, 5% mud)

Surface Blow:
1st Flow: Tool opened with a strong blow in 1 minute. Gas to surface in 13 minutes, see gas volume report.
2nd Flow: See gas volume report.

Operator **TEXAS ENERGIES, INC.**
Ticket No. **435**

Well Name & No. **STUDER #1-3**
Date **2-16-85**

DST No. **5**
Interval **4168-4237'**

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

STUDER #1-3

Well Name and No.

5

DST No.

RECORDER NO. 13635

DEPTH 4150 Ft.

INITIAL SHUT-IN
INITIAL FLOW TIME: T = 29

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	80
2	14.86	148
4	8.19	393
6	5.85	1024
8	4.59	1169
10	3.90	1204
15	2.94	1255
20	2.46	1287
25	2.17	1303
30	1.97	1315
35	1.83	1328
40	1.73	1335
45	1.65	1340

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

STUDER #1-3

Well Name and No.

5

DST No.

RECORDER NO. 13635

DEPTH 4150 Ft.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 73

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	182
2	35.71	253
4	19.00	489
6	13.15	873
8	10.17	1061
10	8.25	1118
15	5.86	1173
20	4.65	1206
25	3.93	1224
30	3.44	1238
35	3.09	1248
40	2.83	1258
45	2.63	1264
50	2.46	1270
55	2.33	1279
60	2.22	1284
70	2.05	1294
80	1.92	1303
90	1.81	1310
94	1.78	1314

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Drill Stem Testers, Inc.

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TEXAS ENERGIES, INC.

STUDER #1-3

Operator

Well Name and No.

Texas Energies, Inc. (5)
P.O. Box 947
Pratt, Kansas, 67124

Phone
(303) 830-8080

Drill Stem Testers, Inc.

Denver Center Bldg.
1776 Lincoln St., Suite 408
Denver, CO 80203

Contractor Wheatstate
Rig No. 1
Spot C-N-NE
Sec. 3
Twp. 27S
Rng. 12W
Field --
County Pratt
State Kansas
Elevation 1896'KB
Formation Viola
On Location @ 12:30 am

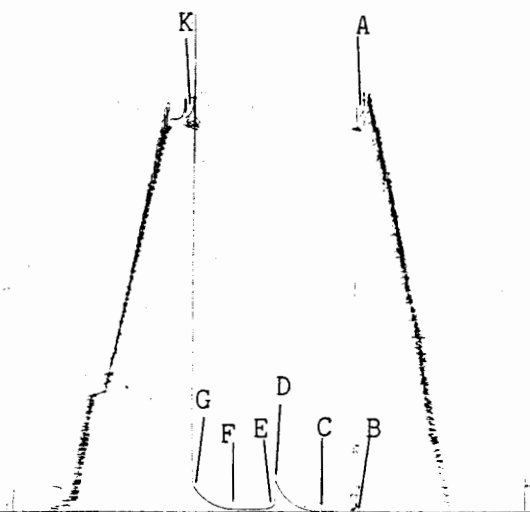
Surface Choke 1"
Bottom Choke 5/8"
Hole Size 7 7/8"
Core Hole Size --
DP Size & Wt. 4 1/2" XH 16.60
Wt. Pipe --
I.D. of DC 2.25"
Length of DC 120'
Total Depth 4384'
Type Test Conventional
Interval 4375-4384'
Off Location @ 8:30 am

Mud Type Chemical
Weight 9.0
Viscosity 62
Water Loss 10.8
Filter Cake 2/32
Resistivity -- @ -- °F
17600 Ppm. NaCl
B.H.T. 120 °F
Co. Rep. Mike Schwartz
Tester Richard Farmer

	REPORTED	CORRECTED
Opened Tool @	<u>3:37 am</u>	<u>--</u> hrs.
Flow No. 1	<u>30</u>	<u>30</u> min.
Shut-in No. 1	<u>30</u>	<u>33</u> min.
Flow No. 2	<u>30</u>	<u>30</u> min.
Shut-in No. 2	<u>30</u>	<u>33</u> min.
Flow No. 3	<u>--</u>	<u>--</u> min.
Shut-in No. 3	<u>--</u>	<u>--</u> min.

Recorder Type Kuster AK-1
No. 11027 Cap. 4275 psi
Depth 4381 feet
Inside Outside X

	Clock No. 27570	Hr. 12
Initial Hydrostatic	A	2193
Final Hydrostatic	K	2177
Initial Flow	B	47
Final Initial Flow	C	48
Initial Shut-in	D	208
Second Initial Flow	E	70
Second Final Flow	F	51
Second Shut-in	G	189
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--



Pipe Recovery: 5' Slightly oil specked gas cut mud = .02 bbls.
Surface Blow:
1st Flow: Tool opened with a 1/4" blow, decreased to no blow in 10 minutes and remained throughout flow period.
2nd Flow: Tool opened with an 1/8" blow, decreased to no blow in 8 minutes and remained throughout flow period.

Operator **TEXAS ENERGIES, INC.**
Ticket No. **790**

Well Name & No. **STUDER #1-3**
Date **2-17-85**

DST No. **6**
Interval **4375-4384'**

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

STUDER #1-3

Well Name and No.

6

DST No.

RECORDER NO. 11027

DEPTH 4381 Ft.

INITIAL SHUT-IN
INITIAL FLOW TIME: T = 30

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	48
2	15.07	49
4	8.30	50
6	5.93	51
8	4.72	53
10	3.94	56
15	2.97	70
20	2.48	90
25	2.19	122
30	1.99	174
33	1.90	208

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

STUDER #1-3

6

Operator

Well Name and No.

DST No.

RECORDER NO. 11027

DEPTH 4381 Ft.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 60

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	51
2	29.36	51
4	15.70	52
6	10.93	54
8	8.49	56
10	6.93	59
15	4.97	70
20	3.98	88
25	3.39	113
30	2.99	149
33	2.79	189

Drill Stem Testers, Inc.

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TEXAS ENERGIES, INC.

STUDER #1-3

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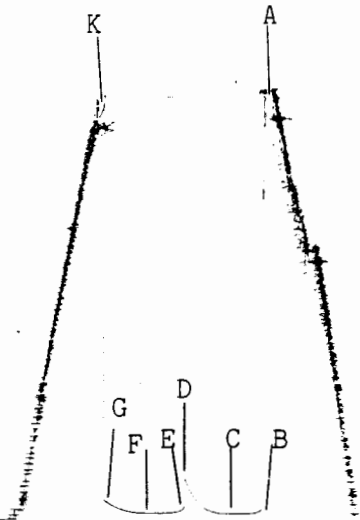
Drill Stem Testers, Inc.

Denver Center Bldg.
1776 Lincoln St., Suite 408
Denver, CO 80203

Contractor <u>Wheatstate</u>	Surface Choke <u>1"</u>	Mud Type <u>Chemical</u>
Rig No. <u>1</u>	Bottom Choke <u>5/8"</u>	Weight <u>9.1</u>
Spot <u>C-N-NE</u>	Hole Size <u>7 7/8"</u>	Viscosity <u>51</u>
Sec. <u>3</u>	Core Hole Size <u>--</u>	Water Loss <u>14.8</u>
Twp. <u>27S</u>	DP Size & Wt. <u>4 1/2" XH 16.60</u>	Filter Cake <u>2/32</u>
Rng. <u>12W</u>	Wt. Pipe <u>--</u>	Resistivity <u>--</u> @ <u>--</u> °F
Field <u>--</u>	I.D. of DC <u>2.25"</u>	<u>18400</u> Ppm. NaCl
County <u>Pratt</u>	Length of DC <u>120'</u>	B.H.T. <u>123</u> °F
State <u>Kansas</u>	Total Depth <u>4505'</u>	Co. Rep. <u>Mike Schwartz</u>
Elevation <u>1896'KB</u>	Type Test <u>Conventional</u>	Tester <u>Richard Farmer</u>
Formation <u>Simpson</u>	Interval <u>4445-4505'</u>	
On Location @ <u>8:30pm2-17-85</u>	Off Location @ <u>4:30am2-18-85</u>	

REPORTED	CORRECTED
Opened Tool @ <u>12:07</u> am hrs.	
Flow No. 1 <u>30</u> min.	<u>30</u> min.
Shut-in No. 1 <u>30</u> min.	<u>30</u> min.
Flow No. 2 <u>30</u> min.	<u>30</u> min.
Shut-in No. 2 <u>30</u> min.	<u>32</u> min.
Flow No. 3 <u>--</u> min.	
Shut-in No. 3 <u>--</u> min.	

Recorder Type <u>Kuster AK-1</u>	
No. <u>11027</u> Cap. <u>4275</u> psi	
Depth <u>4502</u> feet	
Inside	Outside <u>X</u>
Clock No. <u>27570</u> Hr. <u>12</u>	
Initial Hydrostatic	A <u>2261</u>
Final Hydrostatic	K <u>2239</u>
Initial Flow	B <u>116</u>
Final Initial Flow	C <u>92</u>
Initial Shut-in	D <u>279</u>
Second Initial Flow	E <u>118</u>
Second Final Flow	F <u>97</u>
Second Shut-in	G <u>160</u>
Third Initial Flow	H <u>--</u>
Third Final Flow	I <u>--</u>
Third Shut-in	J <u>--</u>



Pipe Recovery: 15' Drilling mud = .07 bbls.
Surface Blow:
1st Flow: Tool opened with a 1/4" blow, decreased to no blow in 19 minutes and remained throughout flow period.
2nd Flow: Tool opened with no blow and remained throughout flow period.

Operator **TEXAS ENERGIES, INC.**
Ticket No. 791

Well Name & No. **STUDER #1-3**
Date **2-18-85**

DST No. 7
Interval **4445-4505'**

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

STUDER #1-3

Well Name and No.

7

DST No.

RECORDER NO. 11027

DEPTH 4502 Ft.

INITIAL SHUT-IN
INITIAL FLOW TIME: T = 30

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	92
2	15.29	92
4	8.41	93
6	6.00	96
8	4.77	98
10	3.99	103
15	3.00	117
20	2.50	143
25	2.20	194
30	2.00	279

Drill Stem Testers, Inc.

INCREMENTAL READING DATA

TEXAS ENERGIES, INC.

Operator

STUDER #1-3

Well Name and No.

7

DST No.

RECORDER NO. 11027

DEPTH 4502 Ft.

FINAL SHUT-IN

TOTAL FLOW TIME: T = 60

dt min	(T+dt/dt) min	PRESSURE PSIG
0	0.00	97
2	29.50	97
4	15.78	97
6	10.73	98
8	8.53	99
10	6.96	101
15	4.99	107
20	4.00	117
25	3.39	131
30	3.01	150
32	2.87	160

Drill Stem Testers, Inc.

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