



Ricketts Testing

Company Jay Boy Oil Company Lease & Well No. Webster #A-1
 Elevation 1402 K.B. Formation _____ Effective Pay _____ ft. Ticket No. 691
 Date 6-24-86 Sec. 27 Twp. 32 Range 2 County Harvey State Kansas
 Test Approved by Michael Bryan Ricketts Representative Jim Ricketts

Formation Test No. 1 Interval Tested from 690 ft. to 719 ft. Total Depth 719 ft.
 Packer Depth 690 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 687 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 695 ft. Recorder Number 13767 Cap. 4275
 Bottom Recorder Depth (Outside) 698 ft. Recorder Number 13565 Cap. 4475
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Rains & Williamson #3 Drill Collar Length 490 I.D. 2.25 in.
 Mud Type Chemical Viscosity 37 Weight Pipe Length _____ I.D. _____ in.
 Weight 8.9 Water Loss N/A cc. Drill Pipe Length 180 I.D. 3.25 in.
 Chlorides N/A P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make --- Serial Number _____ Anchor Length 29 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 x h in.

Blow: Strong blow throughout test.

Recovered 250 ft. of Mud cut water.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: DST Fluid Chlorides 18,000 PPM

Time Set Packer (s)	<u>11:26</u>	<u>A.M.</u>	Time Started Off Bottom	<u>1:56</u>	<u>P.M.</u>	Maximum Temperature	<u>85°</u>
Initial Hydrostatic Pressure	(A)	<u>340</u>				P.S.I.	
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>58</u>		P.S.I.	to
			(C)	<u>91</u>		P.S.I.	
Initial Closed In Period	Minutes	<u>60</u>	(D)	<u>240</u>		P.S.I.	
Final Flow Period	Minutes	<u>30</u>	(E)	<u>127</u>		P.S.I.	to
			(F)	<u>140</u>		P.S.I.	
Final Closed In Period	Minutes	<u>30</u>	(G)	<u>233</u>		P.S.I.	
Final Hydrostatic Pressure	(H)	<u>301</u>				P.S.I.	

RICKETTS TESTING

Pressure Data

Date 6-24-86 Test Ticket No. 691
 Recorder No. 13767 Capacity 4275 Location 695 Ft.
 Clock No. _____ Elevation 1402 K.B. Well Temperature 85 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>340</u> P.S.I.	Open Tool	<u>11:26</u> A.M.	
B First Initial Flow Pressure	<u>58</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>60</u> Mins.
D Initial Closed-in Pressure	<u>240</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>127</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>140</u> P.S.I.			
G Final Closed-in Pressure	<u>233</u> P.S.I.			
H Final Hydrostatic Mud	<u>301</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 _____ Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.		
	Point Minutes	Press.	Point Minutes	Press.		
P 1 0	0	58	0	127	0	140
P 2 5	5	58	3	129	3	164
P 3 10	10	63	6	154	6	184
P 4 15	15	68	9	177	9	198
P 5 20	20	74	12	188	12	206
P 6 25	25	84	15	199	15	211
P 7 30	30	91	18	208	18	217
P 8 35			21	215	21	222
P 9 40			24	220	24	226
P10 45			27	224	27	229
P11 50			30	229	30	233
P12 55			33	231	33	
P13 60			36	232	36	
P14 65			39	233	39	
P15 70			42	234	42	
P16 75			45	235	45	
P17 80			48	236	48	
P18 85			51	237	51	
P19 90			54	238	54	
P19 95			57	239	57	
P20			60	240	60	



Ricketts Testing

Company Jay Boy Oil Company Lease & Well No. Webster #A-1

Elevation 1402 K.B. Formation _____ Effective Pay _____ ft. Ticket No. 692

Date 6-25-86 Sec. 27 Twp. 32 Range 2 County Harvey State Kansas

Test Approved by Dave Montegue Ricketts Representative Jim Ricketts

Formation Test No. 2 Interval Tested from 1187 ft. to 1255 ft. Total Depth 1255 ft.

Packer Depth 1187 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 1184 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 1192 ft. Recorder Number 13767 Cap. 4275

Bottom Recorder Depth (Outside) 1195 ft. Recorder Number 13565 Cap. 4475

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

Drilling Contractor Rains & Williamson #3 Drill Collar Length 490 I.D. 2.25 in.

Mud Type Chemical Viscosity 40 Weight Pipe Length _____ I.D. _____ in.

Weight 9.0 Water Loss 15.2 cc. Drill Pipe Length 676 I.D. 3.25 in.

Chlorides 1,900 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make --- Serial Number _____ Anchor Length 69 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 x h in.

Blow: Medium blow throughout test. 6" in water.

Recovered 90 ft. of Mud

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature
<u>9:00</u>		<u>12:00</u>		<u>85°</u>
Initial Hydrostatic Pressure.....	(A)	<u>613</u>	P.S.I.	
Initial Flow Period.....	Minutes	<u>30</u>	(B) <u>44</u> P.S.I. to	
			(C) <u>47</u> P.S.I.	
Initial Closed In Period.....	Minutes	<u>60</u>	(D) <u>497</u> P.S.I.	
Final Flow Period.....	Minutes	<u>30</u>	(E) <u>66</u> P.S.I. to	
			(F) <u>66</u> P.S.I.	
Final Closed In Period.....	Minutes	<u>60</u>	(G) <u>487</u> P.S.I.	
Final Hydrostatic Pressure.....	(H)	<u>593</u>	P.S.I.	

RICKETTS TESTING

Pressure Data

Date 6-25-86 Test Ticket No. 692
 Recorder No. 13767 Capacity 4275 Location 1192 Ft.
 Clock No. _____ Elevation 1402 K.B. Well Temperature 85 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>613</u> P.S.I.		9:00 A M	
B First Initial Flow Pressure	<u>44</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>60</u> Mins	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>497</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>66</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins	<u>60</u> Mins.
F Second Final Flow Pressure	<u>66</u> P.S.I.			
G Final Closed-in Pressure	<u>487</u> P.S.I.			
H Final Hydrostatic Mud	<u>593</u> P.S.I.			

PRESSURE BREAKDOWN

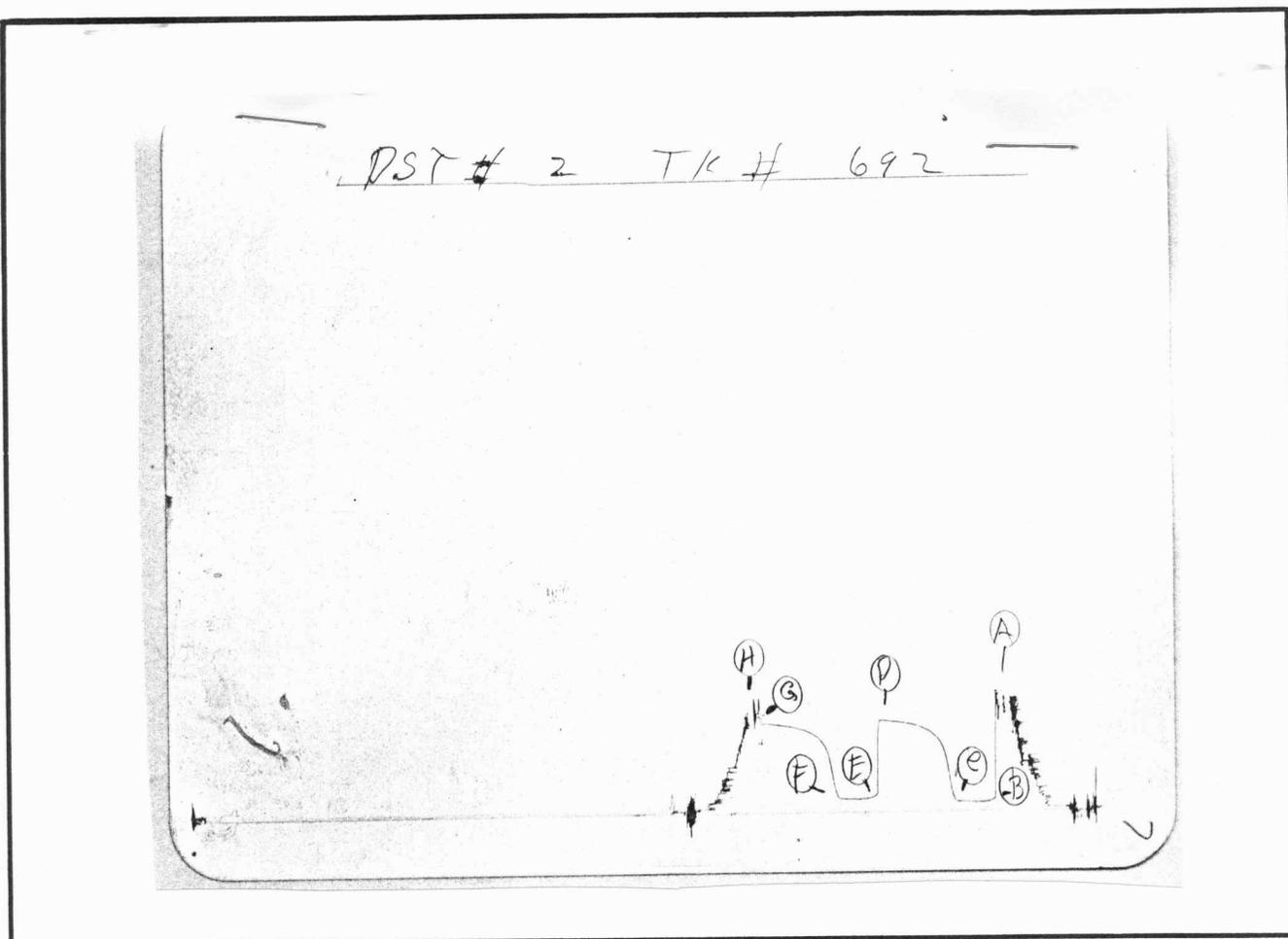
First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

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

Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

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

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	44	0	47	0	66	0	66	0
P 2	44	5	74	3	66	5	121	3
P 3	44	10	169	6	66	10	233	6
P 4	45	15	297	9	66	15	328	9
P 5	46	20	360	12	66	20	371	12
P 6	47	25	391	15	66	25	395	15
P 7	47	30	417	18	66	30	413	18
P 8		35	434	21		35	426	21
P 9		40	445	24		40	438	24
P10		45	454	27		45	448	27
P11		50	462	30		50	454	30
P12		55	471	33		55	459	33
P13		60	476	36		60	465	36
P14		65	480	39		65	470	39
P15		70	483	42		70	472	42
P16		75	486	45		75	476	45
P17		80	489	48		80	479	48
P18		85	491	51		85	481	51
P19		90	493	54		90	483	54
P19		95	495	57			485	57
P20			497	60			487	60



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	614	613	PSI
(B) First Initial Flow Pressure	31	44	PSI
(C) First Final Flow Pressure	63	47	PSI
(D) Initial Closed-in Pressure	508	497	PSI
(E) Second Initial Flow Pressure	74	66	PSI
(F) Second Final Flow Pressure	74	66	PSI
(G) Final Closed-in Pressure	508	487	PSI
(H) Final Hydrostatic Mud	582	593	PSI



Ricketts Testing

Company Jay Boy Oil Company Lease & Well No. Webster #A-1
 Elevation 1402 K.B. Formation Lower KC Effective Pay _____ ft. Ticket No. 693
 Date 6-27-86 Sec. 27 Twp. 32 Range 2 County Harvey State Kansas
 Test Approved by Dave Montegue Ricketts Representative Dan Delaney
 Formation Test No. 3 Interval Tested from 2660 ft. to 2696 ft. Total Depth 2696 ft.
 Packer Depth 2660 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 2657 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 2665 ft. Recorder Number 13767 Cap. 4275
 Bottom Recorder Depth (Outside) 2668 ft. Recorder Number 13565 Cap. 4475
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
 Drilling Contractor Rains & Williamson #3 Drill Collar Length 248 I.D. 2.25 in.
 Mud Type Chemical Viscosity 36 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.4 Water Loss 14.0 cc. Drill Pipe Length 2392 I.D. 3.25 in.
 Chlorides 2,000 P.P.M. Test Tool Length 20 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 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 x h in.

Blow: Weak blow building to a very good blow Initial Flow Period.
Weak blow building to a good blow Final Flow Period.
 Recovered 360 ft. of Muddy water with a few specks of oil on top.
 Recovered _____ ft. of _____
 Remarks: DST Fluid Chlorides 53,000 PPM

Time Set Packer (s)	<u>5:10</u>	<u>XXX</u> P.M.	Time Started Off Bottom	<u>8:55</u>	<u>XXX</u> P.M.	Maximum Temperature	<u>107°</u>
Initial Hydrostatic Pressure	(A)	<u>1345</u>		<u>P.S.I.</u>			
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>84</u>	<u>P.S.I.</u>	to	
			(C)	<u>146</u>	<u>P.S.I.</u>		
Initial Closed In Period	Minutes	<u>60</u>	(D)	<u>1119</u>	<u>P.S.I.</u>		
Final Flow Period	Minutes	<u>45</u>	(E)	<u>185</u>	<u>P.S.I.</u>	to	
			(F)	<u>216</u>	<u>P.S.I.</u>		
Final Closed In Period	Minutes	<u>90</u>	(G)	<u>1113</u>	<u>P.S.I.</u>		
Final Hydrostatic Pressure	(H)	<u>1332</u>		<u>P.S.I.</u>			

RICKETTS TESTING

Pressure Data

693

Date 6-27-86 Recorder No. 13767 Capacity 4275 Location 2665 Ft.
 Clock No. _____ Elevation 1402 K.B. Well Temperature 107 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1345</u> P.S.I.	Open Tool	<u>5:10</u> P M	
B First Initial Flow Pressure	<u>84</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>146</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1119</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
E Second Initial Flow Pressure	<u>185</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>216</u> P.S.I.			
G Final Closed-in Pressure	<u>1113</u> P.S.I.			
H Final Hydrostatic Mud	<u>1332</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

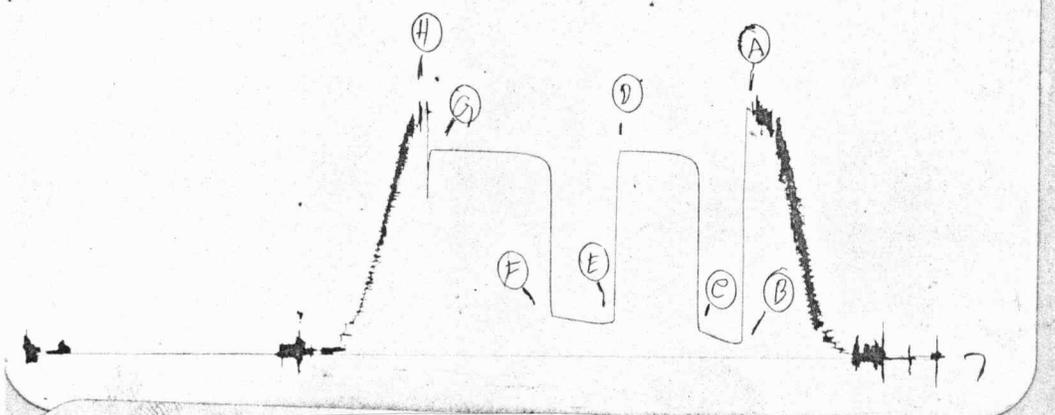
Initial Shut-In
 Breakdown: 20 Inc.
 of 3 mins. and a
 final inc. of _____ Min.

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

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

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	84	0	146	0	185	0	216
P 2	5	84	3	1017	5	185	3	1021
P 3	10	90	6	1064	10	185	6	1057
P 4	15	100	9	1080	15	185	9	1074
P 5	20	116	12	1091	20	190	12	1082
P 6	25	130	15	1100	25	194	15	1089
P 7	30	146	18	1105	30	200	18	1094
P 8	35		21	1109	35	206	21	1097
P 9	40		24	1111	40	211	24	1101
P10	45		27	1113	45	216	27	1103
P11	50		30	1115	50		30	1105
P12	55		33	1117	55		33	1107
P13	60		36	1118	60		36	1108
P14	65		39	1119	65		39	1109
P15	70		42	1119	70		42	1110
P16	75		45	1119	75		45	1112
P17	80		48	1119	80		48	1113
P18	85		51	1119	85		51	1113
P19	90		54	1119	90		54	1113
P19	95		57	1119			57	1113
P20			60	1119			60	1113

DST # 3 TK# 693



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1346	1345	PSI
(B) First Initial Flow Pressure	63	84	PSI
(C) First Final Flow Pressure	127	146	PSI
(D) Initial Closed-in Pressure	1102	1119	PSI
(E) Second Initial Flow Pressure	169	185	PSI
(F) Second Final Flow Pressure	201	216	PSI
(G) Final Closed-in Pressure	1102	1113	PSI
(H) Final Hydrostatic Mud	1336	1332	PSI



Ricketts Testing

Company Jay Boy Oil Company Lease & Well No. Webster #A-1
 Elevation 1402 K.B. Formation Hertha Effective Pay _____ ft. Ticket No. 694
 Date 6-28-86 Sec. 27 Twp. 32 Range 2 County Harvey State Kansas
 Test Approved by Michael Bryan Ricketts Representative Dan Delaney

Formation Test No. 4 Interval Tested from 2730 ft. to 2765 ft. Total Depth 2765 ft.
 Packer Depth 2730 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 2727 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2735 ft. Recorder Number 13767 Cap. 4275
 Bottom Recorder Depth (Outside) 2738 ft. Recorder Number 13565 Cap. 4475
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Rains & Williamson #3 Drill Collar Length 248 I.D. 2.25 in.
 Mud Type Chemical Viscosity 39 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.0 Water Loss 10.4 cc. Drill Pipe Length 2462 I.D. 3.25 in.
 Chlorides 1,400 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make --- Serial Number _____ Anchor Length 35 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 x h in.

Blow: Weak blow Initial Flow Period. Died in 1 minute. Flushed tool - no help.
No blow Final Flow Period.

Recovered 1 ft. of Mud.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s)	A.M. P.M.	Time Started Off Bottom	A.M. P.M.	Maximum Temperature
<u>11:45</u>		<u>12:45</u>		<u>99°</u>
Initial Hydrostatic Pressure.....	(A)	<u>1339</u>	P.S.I.	
Initial Flow Period..... Minutes	(B)	<u>15</u>	P.S.I.	to
	(C)	<u>49</u>	P.S.I.	
Initial Closed In Period..... Minutes	(D)	<u>15</u>	P.S.I.	
Final Flow Period..... Minutes	(E)	<u>15</u>	P.S.I.	to
	(F)	<u>49</u>	P.S.I.	
Final Closed In Period..... Minutes	(G)	<u>15</u>	P.S.I.	
Final Hydrostatic Pressure.....	(H)	<u>1325</u>	P.S.I.	

RICKETTSTESTING

Pressure Data

Date 6-28-86 Test Ticket No. 694
 Recorder No. 13767 Capacity 4275 Location 2735 Ft.
 Clock No. _____ Elevation 1402 K.B. Well Temperature 99 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1339</u> P.S.I.	Open Tool	<u>11:45</u> A.M.	
B First Initial Flow Pressure	<u>49</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>49</u> P.S.I.	Initial Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
D Initial Closed-in Pressure	<u>57</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>49</u> P.S.I.	Final Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
F Second Final Flow Pressure	<u>49</u> P.S.I.			
G Final Closed-in Pressure	<u>51</u> P.S.I.			
H Final Hydrostatic Mud	<u>1325</u> P.S.I.			

PRESSURE BREAKDOWN

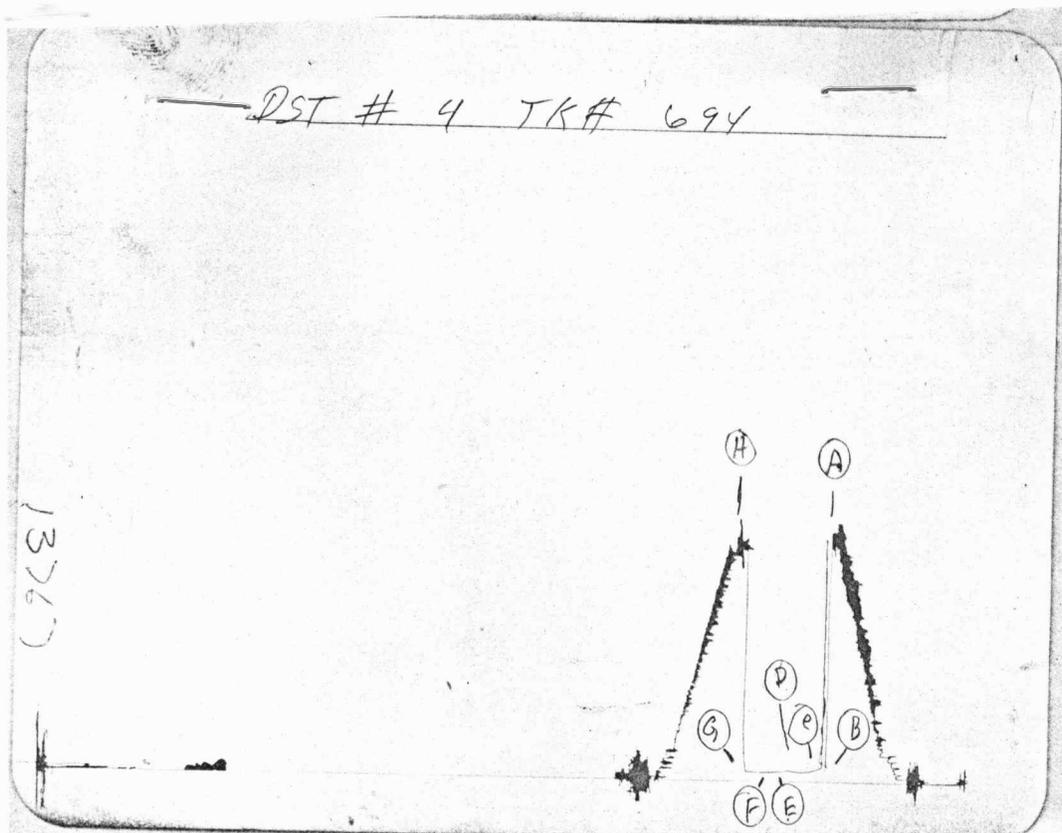
First Flow Pressure
 Breakdown: 3 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

Initial Shut-In
 Breakdown: 5 Inc.
 of 3 mins. and a
 final inc. of _____ Min.

Second Flow Pressure
 Breakdown: 3 Inc.
 of 5 mins. and a
 final inc. of _____ Min.

Final Shut-In
 Breakdown: 5 Inc.
 of 3 mins. and a
 final inc. of _____ Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>0</u>	<u>49</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>49</u>
P 2	<u>5</u>	<u>49</u>	<u>3</u>	<u>51</u>	<u>5</u>	<u>49</u>	<u>3</u>	<u>50</u>
P 3	<u>10</u>	<u>49</u>	<u>6</u>	<u>53</u>	<u>10</u>	<u>49</u>	<u>6</u>	<u>50</u>
P 4	<u>15</u>	<u>49</u>	<u>9</u>	<u>55</u>	<u>15</u>	<u>49</u>	<u>9</u>	<u>51</u>
P 5	<u>20</u>		<u>12</u>	<u>56</u>	<u>20</u>		<u>12</u>	<u>51</u>
P 6	<u>25</u>		<u>15</u>	<u>57</u>	<u>25</u>		<u>15</u>	<u>51</u>
P 7	<u>30</u>		<u>18</u>		<u>30</u>		<u>18</u>	
P 8	<u>35</u>		<u>21</u>		<u>35</u>		<u>21</u>	
P 9	<u>40</u>		<u>24</u>		<u>40</u>		<u>24</u>	
P10	<u>45</u>		<u>27</u>		<u>45</u>		<u>27</u>	
P11	<u>50</u>		<u>30</u>		<u>50</u>		<u>30</u>	
P12	<u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
P13	<u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P14	<u>65</u>		<u>39</u>		<u>65</u>		<u>39</u>	
P15	<u>70</u>		<u>42</u>		<u>70</u>		<u>42</u>	
P16	<u>75</u>		<u>45</u>		<u>75</u>		<u>45</u>	
P17	<u>80</u>		<u>48</u>		<u>80</u>		<u>48</u>	
P18	<u>85</u>		<u>51</u>		<u>85</u>		<u>51</u>	
P19	<u>90</u>		<u>54</u>		<u>90</u>		<u>54</u>	
P20	<u>95</u>		<u>57</u>				<u>57</u>	
			<u>60</u>				<u>60</u>	



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1346	1339	PSI
(B) First Initial Flow Pressure	47	49	PSI
(C) First Final Flow Pressure	47	49	PSI
(D) Initial Closed-in Pressure	63	57	PSI
(E) Second Initial Flow Pressure	47	49	PSI
(F) Second Final Flow Pressure	47	49	PSI
(G) Final Closed-in Pressure	52	51	PSI
(H) Final Hydrostatic Mud	1336	1325	PSI



Ricketts Testing

Company Jay Boy Oil Company Lease & Well No. Webster #A-1
 Elevation 1402 K.B. Formation Mississippi Effective Pay _____ ft. Ticket No. 695
 Date 6-29-86 Sec. 27 Twp. 32 Range 2 County Harvey State Kansas
 Test Approved by Dave Montequé Ricketts Representative Dan Delaney
 Formation Test No. 5 Interval Tested from 3023 ft. to 3045 ft. Total Depth 3045 ft.
 Packer Depth 3023 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3020 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3028 ft. Recorder Number 13767 Cap. 4275
 Bottom Recorder Depth (Outside) 3031 ft. Recorder Number 13565 Cap. 4475
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
 Drilling Contractor Rains & Williamson #3 Drill Collar Length 248 I.D. 2.25 in.
 Mud Type Chemical Viscosity 45 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.0 Water Loss 9.6 cc. Drill Pipe Length 2755 I.D. 3.25 in.
 Chlorides 1,600 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make --- Serial Number _____ Anchor Length 22 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 x h in.

Blow: Weak blow building to a strong blow in 2 minutes Initial Flow Period.
Weak blow building to a strong blow in 2 minutes Final Flow Period.
 Recovered 160 ft. of Muddy water.
 Recovered 1100 ft. of Salt water.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks: DST Fluid Chlorides 41,000 PPM

Time Set Packer (s)	Time Started Off Bottom	Maximum Temperature
<u>10:05</u> ^{XXM.} P.M.	<u>1:05</u> ^{A.M.} P.M.	<u>114°</u>
Initial Hydrostatic Pressure..... (A)	<u>1420</u> P.S.I.	
Initial Flow Period..... Minutes <u>30</u>	(B) <u>116</u> P.S.I. to (C) <u>413</u> P.S.I.	
Initial Closed In Period..... Minutes <u>60</u>	(D) <u>890</u> P.S.I.	
Final Flow Period..... Minutes <u>30</u>	(E) <u>476</u> P.S.I. to (F) <u>611</u> P.S.I.	
Final Closed In Period..... Minutes <u>60</u>	(G) <u>888</u> P.S.I.	
Final Hydrostatic Pressure..... (H)	<u>1415</u> P.S.I.	

RICKETTS TESTING

Pressure Data

Date 6-29-86

Test Ticket No. 695

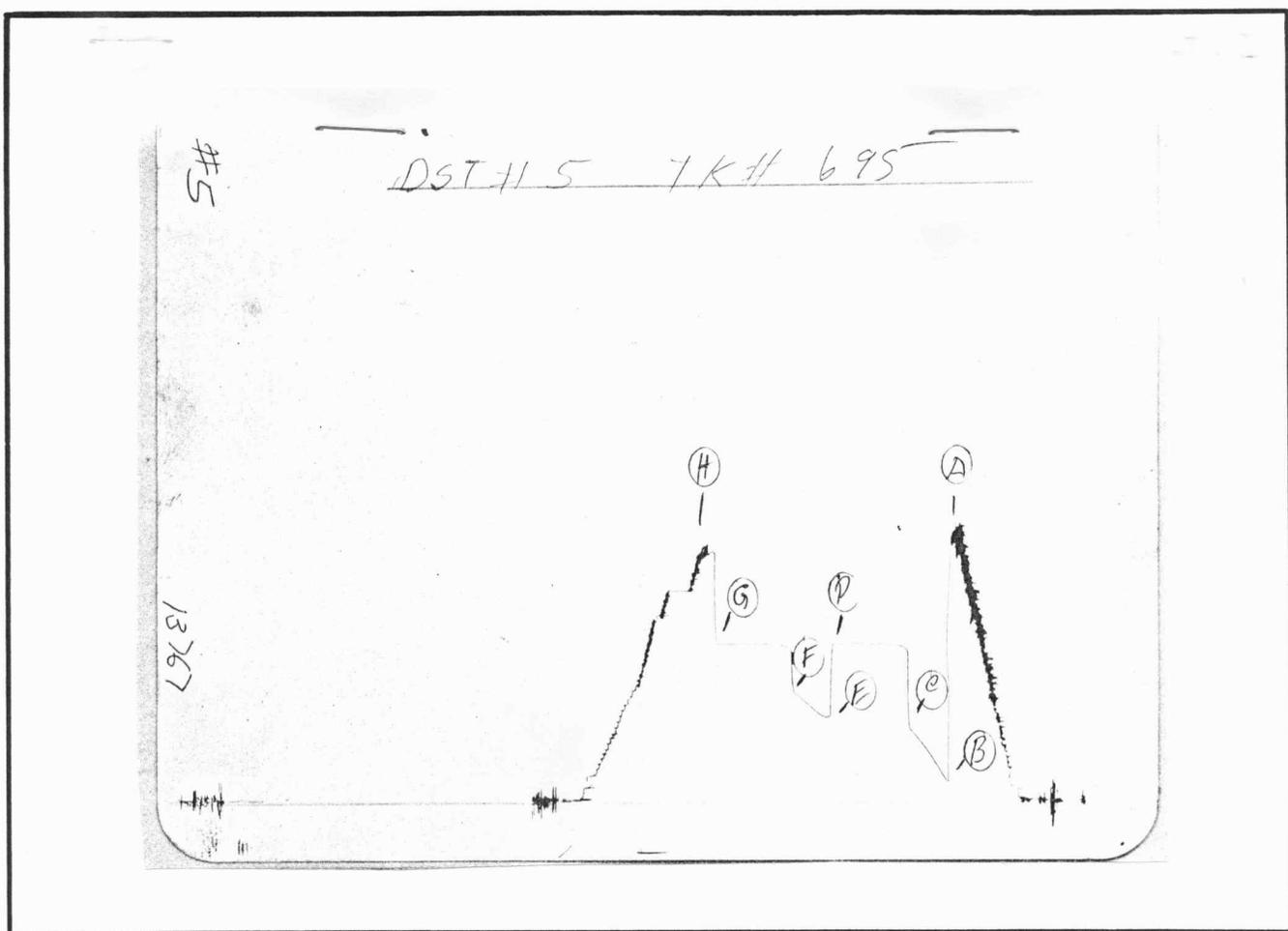
Recorder No. 13767 Capacity 4275 Location 3028 Ft.

Clock No. _____ Elevation 1402 K.B. Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1420</u> P.S.I.	Open Tool	<u>10:05</u> P.M.	
B First Initial Flow Pressure	<u>116</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>413</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>890</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>476</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>611</u> P.S.I.			
G Final Closed-in Pressure	<u>888</u> P.S.I.			
H Final Hydrostatic Mud	<u>1415</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>20</u> Inc.		Breakdown: <u>6</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>0</u>	<u>116</u>	<u>0</u>	<u>413</u>	<u>0</u>	<u>476</u>	<u>0</u>	<u>611</u>
P 2	<u>5</u>	<u>162</u>	<u>3</u>	<u>868</u>	<u>5</u>	<u>478</u>	<u>3</u>	<u>860</u>
P 3	<u>10</u>	<u>220</u>	<u>6</u>	<u>873</u>	<u>10</u>	<u>500</u>	<u>6</u>	<u>873</u>
P 4	<u>15</u>	<u>278</u>	<u>9</u>	<u>880</u>	<u>15</u>	<u>531</u>	<u>9</u>	<u>880</u>
P 5	<u>20</u>	<u>328</u>	<u>12</u>	<u>884</u>	<u>20</u>	<u>561</u>	<u>12</u>	<u>882</u>
P 6	<u>25</u>	<u>376</u>	<u>15</u>	<u>886</u>	<u>25</u>	<u>593</u>	<u>15</u>	<u>884</u>
P 7	<u>30</u>	<u>413</u>	<u>18</u>	<u>887</u>	<u>30</u>	<u>611</u>	<u>18</u>	<u>886</u>
P 8	<u>35</u>		<u>21</u>	<u>888</u>	<u>35</u>		<u>21</u>	<u>887</u>
P 9	<u>40</u>		<u>24</u>	<u>889</u>	<u>40</u>		<u>24</u>	<u>888</u>
P10	<u>45</u>		<u>27</u>	<u>890</u>	<u>45</u>		<u>27</u>	<u>888</u>
P11	<u>50</u>		<u>30</u>	<u>890</u>	<u>50</u>		<u>30</u>	<u>888</u>
P12	<u>55</u>		<u>33</u>	<u>890</u>	<u>55</u>		<u>33</u>	<u>888</u>
P13	<u>60</u>		<u>36</u>	<u>890</u>	<u>60</u>		<u>36</u>	<u>888</u>
P14	<u>65</u>		<u>39</u>	<u>890</u>	<u>65</u>		<u>39</u>	<u>888</u>
P15	<u>70</u>		<u>42</u>	<u>890</u>	<u>70</u>		<u>42</u>	<u>888</u>
P16	<u>75</u>		<u>45</u>	<u>890</u>	<u>75</u>		<u>45</u>	<u>888</u>
P17	<u>80</u>		<u>48</u>	<u>890</u>	<u>80</u>		<u>48</u>	<u>888</u>
P18	<u>85</u>		<u>51</u>	<u>890</u>	<u>85</u>		<u>51</u>	<u>888</u>
P19	<u>90</u>		<u>54</u>	<u>890</u>	<u>90</u>		<u>54</u>	<u>888</u>
P20	<u>95</u>		<u>57</u>	<u>890</u>			<u>57</u>	<u>888</u>
			<u>60</u>	<u>890</u>			<u>60</u>	<u>888</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1410	1420	PSI
(B) First Initial Flow Pressure	95	116	PSI
(C) First Final Flow Pressure	391	413	PSI
(D) Initial Closed-in Pressure	889	890	PSI
(E) Second Initial Flow Pressure	466	476	PSI
(F) Second Final Flow Pressure	603	611	PSI
(G) Final Closed-in Pressure	889	888	PSI
(H) Final Hydrostatic Mud	1400	1415	PSI



Ricketts Testing

Company Jay Boy Oil Company Lease & Well No. Webster #A-1
 Elevation 1402 K.B. Formation Misner & Huntoon Effective Pay _____ ft. Ticket No. 696
 Date 7-1-86 Sec. 27 Twp. 32 Range 2 County Harvey State Kansas
 Test Approved by David Montegue Ricketts Representative Dan Delaney
 Formation Test No. 6 Interval Tested from 3267 ft. to 3312 ft. Total Depth 3312 ft.
 Packer Depth 3267 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3264 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3272 ft. Recorder Number 13767 Cap. 4275
 Bottom Recorder Depth (Outside) 3275 ft. Recorder Number 13565 Cap. 4475
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
 Drilling Contractor Rains & Williamson #3 Drill Collar Length 248 I.D. 2.25 in.
 Mud Type Chemical Viscosity 41 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 2999 I.D. 3.25 in.
 Chlorides 2,100 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make --- Serial Number _____ Anchor Length 45 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 x h in.

Blow: Good blow building to a very strong blow in 1 minute Initial Flow Period.
Strong blow throughout Final Flow Period.

Recovered 360 ft. of Muddy water.
 Recovered 2040 ft. of Salt water.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks: DST Fluid Chlorides 71,000 PPM

Time Set Packer (s)	A.M. P.M.	Time Started Off Bottom	Maximum Temperature
<u>11:00</u>	<u>X P.M.</u>	<u>2:00</u>	<u>117°</u>
Initial Hydrostatic Pressure.....	(A)	<u>1575</u>	P.S.I.
Initial Flow Period.....	Minutes	<u>25</u>	(B) <u>222</u> P.S.I. to
			(C) <u>807</u> P.S.I.
Initial Closed In Period.....	Minutes	<u>60</u>	(D) <u>1201</u> P.S.I.
Final Flow Period.....	Minutes	<u>30</u>	(E) <u>884</u> P.S.I. to
			(F) <u>1098</u> P.S.I.
Final Closed In Period.....	Minutes	<u>60</u>	(G) <u>1201</u> P.S.I.
Final Hydrostatic Pressure.....	(H)	<u>1562</u>	P.S.I.

RICKETTS TESTING

Pressure Data

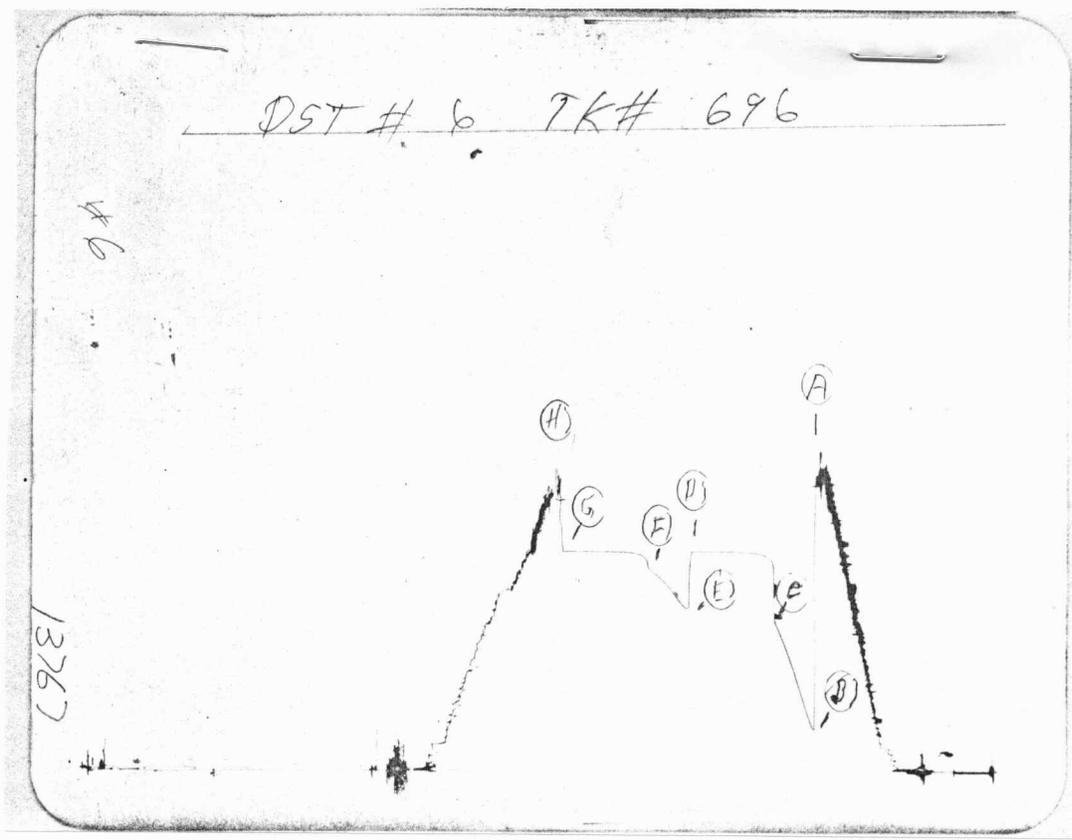
Date 7-1-86 Test Ticket No. 696
 Recorder No. 13767 Capacity 4275 Location 3272 Ft.
 Clock No. _____ Elevation 1402 K.B. Well Temperature 117 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1575</u> P.S.I.	Open Tool	<u>11:00</u> A.M.	
B First Initial Flow Pressure	<u>222</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>807</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1201</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>884</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>1098</u> P.S.I.			
G Final Closed-in Pressure	<u>1201</u> P.S.I.			
H Final Hydrostatic Mud	<u>1562</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>5</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.	Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of _____ Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	222	0	807	0	884	0	1098
P 2 5	420	3	1148	5	891	3	1169
P 3 10	525	6	1171	10	934	6	1185
P 4 15	625	9	1181	15	990	9	1190
P 5 20	717	12	1187	20	1029	12	1194
P 6 25	807	15	1189	25	1069	15	1197
P 7 30		18	1191	30	1098	18	1198
P 8 35		21	1193	35		21	1199
P 9 40		24	1195	40		24	1200
P10 45		27	1197	45		27	1201
P11 50		30	1198	50		30	1201
P12 55		33	1199	55		33	1201
P13 60		36	1200	60		36	1201
P14 65		39	1201	65		39	1201
P15 70		42	1201	70		42	1201
P16 75		45	1201	75		45	1201
P17 80		48	1201	80		48	1201
P18 85		51	1201	85		51	1201
P19 90		54	1201	90		54	1201
P19 95		57	1201			57	1201
P20		60	1201			60	1201



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1581	1575	PSI
(B) First Initial Flow Pressure	222	222	PSI
(C) First Final Flow Pressure	806	807	PSI
(D) Initial Closed-in Pressure	1208	1201	PSI
(E) Second Initial Flow Pressure	889	884	PSI
(F) Second Final Flow Pressure	1102	1098	PSI
(G) Final Closed-in Pressure	1208	1201	PSI
(H) Final Hydrostatic Mud	1571	1562	PSI



Ricketts Testing

Company Jay Boy Oil Company Lease & Well No. Webster #A-1
 Elevation 1402 K.B. Formation Viola Effective Pay _____ ft. Ticket No. 697
 Date 7-2-86 Sec. 27 Twp. 32 Range 2 County Harvey State Kansas
 Test Approved by David Montegue Ricketts Representative Dan Delaney

Formation Test No. 7 Interval Tested from 3405 ft. to 3420 ft. Total Depth 3420 ft.
 Packer Depth 3405 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3402 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3410 ft. Recorder Number 13767 Cap. 4275
 Bottom Recorder Depth (Outside) 3413 ft. Recorder Number 13565 Cap. 4475
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Rains & Williamson #3 Drill Collar Length 248 I.D. 2.25 in.
 Mud Type Chemical Viscosity 46 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 3137 I.D. 3.25 in.
 Chlorides 1,800 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make --- Serial Number _____ Anchor Length 15 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 x h in.

Blow: Weak blow. Died in 7 minutes Initial Flow Period. Flushed tool - no help.
No blow Final Flow Period.

Recovered 1 ft. of Mud with a show of oil in tool.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s) 6:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 8:30 ~~P.M.~~ ^{A.M.} Maximum Temperature 105°
 Initial Hydrostatic Pressure.....(A) 1628 P.S.I.
 Initial Flow Period..... Minutes 15 (B) 25 P.S.I. to
 (C) 37 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 365 P.S.I.
 Final Flow Period..... Minutes 15 (E) 37 P.S.I. to
 (F) 37 P.S.I.
 Final Closed In Period..... Minutes 45 (G) 720 P.S.I.
 Final Hydrostatic Pressure.....(H) 1610 P.S.I.

RICKETTS TESTING

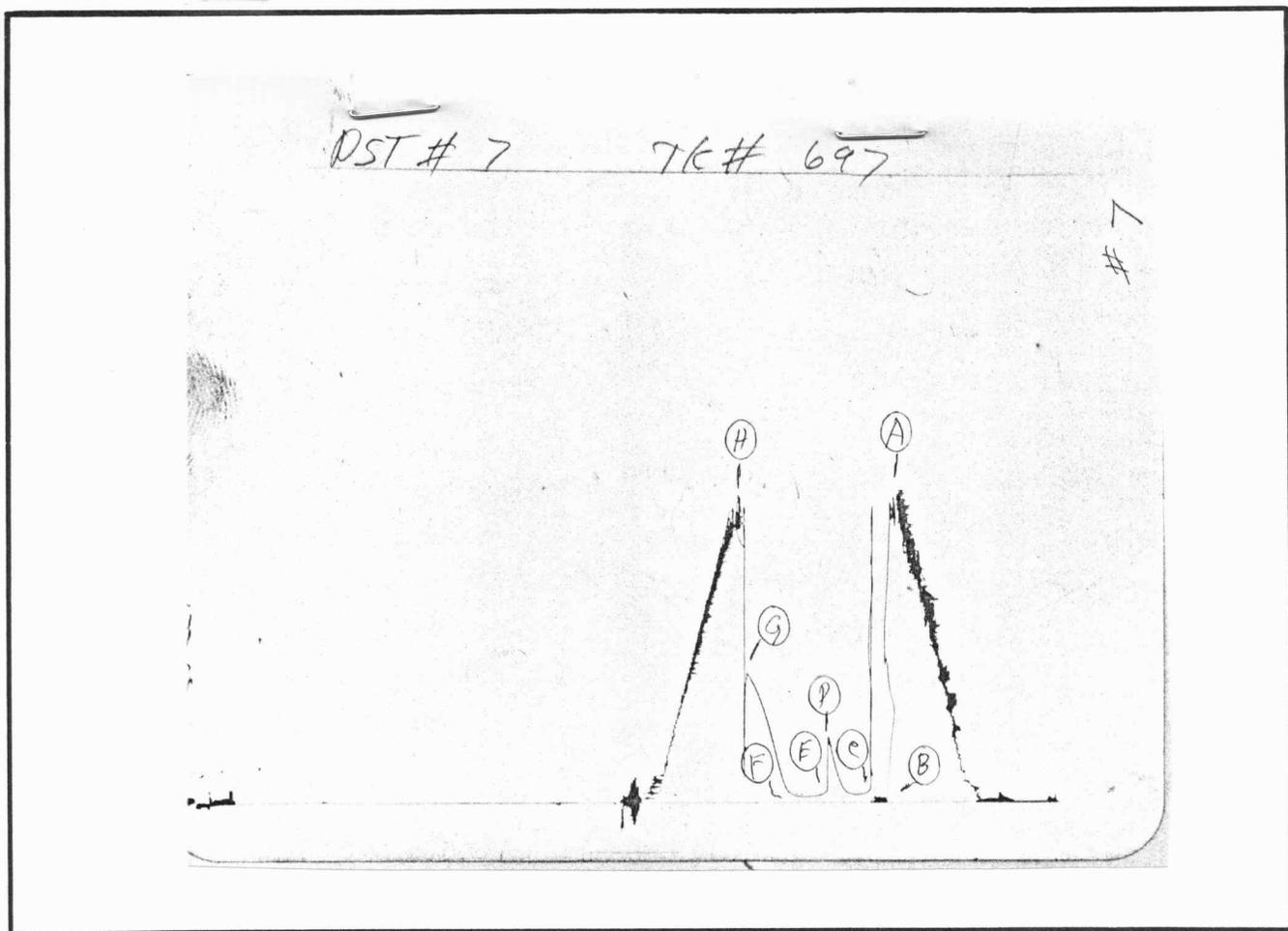
Pressure Data

Date 7-2-86 Test Ticket No. 697
 Recorder No. 13767 Capacity 4275 Location 3410 Ft.
 Clock No. _____ Elevation 1402 K.B. Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1628</u> P.S.I.	Open Tool	<u>6:45</u> A _M	
B First Initial Flow Pressure	<u>25</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>37</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>365</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>37</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>37</u> P.S.I.			
G Final Closed-in Pressure	<u>720</u> P.S.I.			
H Final Hydrostatic Mud	<u>1610</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>3</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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u> <u>25</u>	<u>0</u> <u>37</u>	<u>0</u> <u>37</u>	<u>0</u> <u>37</u>	<u>0</u> <u>37</u>	<u>0</u> <u>37</u>	<u>37</u>
P 2	<u>5</u> <u>25</u>	<u>3</u> <u>37</u>	<u>5</u> <u>37</u>	<u>5</u> <u>37</u>	<u>3</u> <u>37</u>	<u>3</u> <u>37</u>	<u>37</u>
P 3	<u>10</u> <u>25</u>	<u>6</u> <u>37</u>	<u>10</u> <u>37</u>	<u>10</u> <u>37</u>	<u>6</u> <u>37</u>	<u>6</u> <u>37</u>	<u>37</u>
P 4	<u>15</u> <u>37</u>	<u>9</u> <u>37</u>	<u>15</u> <u>37</u>	<u>15</u> <u>37</u>	<u>9</u> <u>37</u>	<u>9</u> <u>37</u>	<u>37</u>
P 5	<u>20</u> _____	<u>12</u> <u>51</u>	<u>20</u> _____	<u>20</u> _____	<u>12</u> <u>52</u>	<u>12</u> _____	<u>52</u>
P 6	<u>25</u> _____	<u>15</u> <u>67</u>	<u>25</u> _____	<u>25</u> _____	<u>15</u> <u>70</u>	<u>15</u> _____	<u>70</u>
P 7	<u>30</u> _____	<u>18</u> <u>100</u>	<u>30</u> _____	<u>30</u> _____	<u>18</u> <u>114</u>	<u>18</u> _____	<u>114</u>
P 8	<u>35</u> _____	<u>21</u> <u>157</u>	<u>35</u> _____	<u>35</u> _____	<u>21</u> <u>182</u>	<u>21</u> _____	<u>182</u>
P 9	<u>40</u> _____	<u>24</u> <u>235</u>	<u>40</u> _____	<u>40</u> _____	<u>24</u> <u>273</u>	<u>24</u> _____	<u>273</u>
P10	<u>45</u> _____	<u>27</u> <u>301</u>	<u>45</u> _____	<u>45</u> _____	<u>27</u> <u>365</u>	<u>27</u> _____	<u>365</u>
P11	<u>50</u> _____	<u>30</u> <u>365</u>	<u>50</u> _____	<u>50</u> _____	<u>30</u> <u>444</u>	<u>30</u> _____	<u>444</u>
P12	<u>55</u> _____	<u>33</u> _____	<u>55</u> _____	<u>55</u> _____	<u>33</u> <u>510</u>	<u>33</u> _____	<u>510</u>
P13	<u>60</u> _____	<u>36</u> _____	<u>60</u> _____	<u>60</u> _____	<u>36</u> <u>582</u>	<u>36</u> _____	<u>582</u>
P14	<u>65</u> _____	<u>39</u> _____	<u>65</u> _____	<u>65</u> _____	<u>39</u> <u>633</u>	<u>39</u> _____	<u>633</u>
P15	<u>70</u> _____	<u>42</u> _____	<u>70</u> _____	<u>70</u> _____	<u>42</u> <u>672</u>	<u>42</u> _____	<u>672</u>
P16	<u>75</u> _____	<u>45</u> _____	<u>75</u> _____	<u>75</u> _____	<u>45</u> <u>720</u>	<u>45</u> _____	<u>720</u>
P17	<u>80</u> _____	<u>48</u> _____	<u>80</u> _____	<u>80</u> _____	<u>48</u> _____	<u>48</u> _____	
P18	<u>85</u> _____	<u>51</u> _____	<u>85</u> _____	<u>85</u> _____	<u>51</u> _____	<u>51</u> _____	
P19	<u>90</u> _____	<u>54</u> _____	<u>90</u> _____	<u>90</u> _____	<u>54</u> _____	<u>54</u> _____	
P19	<u>95</u> _____	<u>57</u> _____			<u>57</u> _____	<u>57</u> _____	
P20		<u>60</u> _____			<u>60</u> _____	<u>60</u> _____	



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1625	1628	PSI
(B) First Initial Flow Pressure	26	25	PSI
(C) First Final Flow Pressure	37	37	PSI
(D) Initial Closed-in Pressure	370	365	PSI
(E) Second Initial Flow Pressure	37	37	PSI
(F) Second Final Flow Pressure	37	37	PSI
(G) Final Closed-in Pressure	720	720	PSI
(H) Final Hydrostatic Mud	1614	1610	PSI



Ricketts Testing

Company Jay Boy Oil Company Lease & Well No. Webster #A-1
 Elevation 1402 K.B. Formation Simpson Sand Effective Pay _____ ft. Ticket No. 698
 Date 7-2-86 Sec. 27 Twp. 32 Range 2 County Harvey State Kansas
 Test Approved by Dave Montegue Ricketts Representative Dan Delaney
 Formation Test No. 8 Interval Tested from 3410 ft. to 3426 ft. Total Depth 3426 ft.
 Packer Depth 3410 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3407 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3415 ft. Recorder Number 13767 Cap. 4275
 Bottom Recorder Depth (Outside) 3418 ft. Recorder Number 13565 Cap. 4475
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
 Drilling Contractor Rains & Williamson #3 Drill Collar Length 248 I.D. 2.25 in.
 Mud Type Chemical Viscosity 46 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.2 Water Loss 8.8 cc. Drill Pipe Length 3142 I.D. 3.25 in.
 Chlorides 1,800 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make --- Serial Number _____ Anchor Length 16 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 x h in.

Blow: Weak blow Initial Flow Period. Died in 1 minute. Flushed tool - no help.

Recovered 1 ft. of Mud.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s) 6:45 ^{AMM}P.M. Time Started Off Bottom 6:49 ^{AMM}P.M. Maximum Temperature 105°
 Initial Hydrostatic Pressure (A) 1625 P.S.I.
 Initial Flow Period Minutes 5 (B) 37 P.S.I. to
 (C) 37 P.S.I.
 Initial Closed In Period Minutes (D) Not taken P.S.I.
 Final Flow Period Minutes (E) Not taken P.S.I. to
 (F) _____ P.S.I.
 Final Closed In Period Minutes (G) Not taken P.S.I.
 Final Hydrostatic Pressure (H) 1615 P.S.I.

RICKETTS TESTING

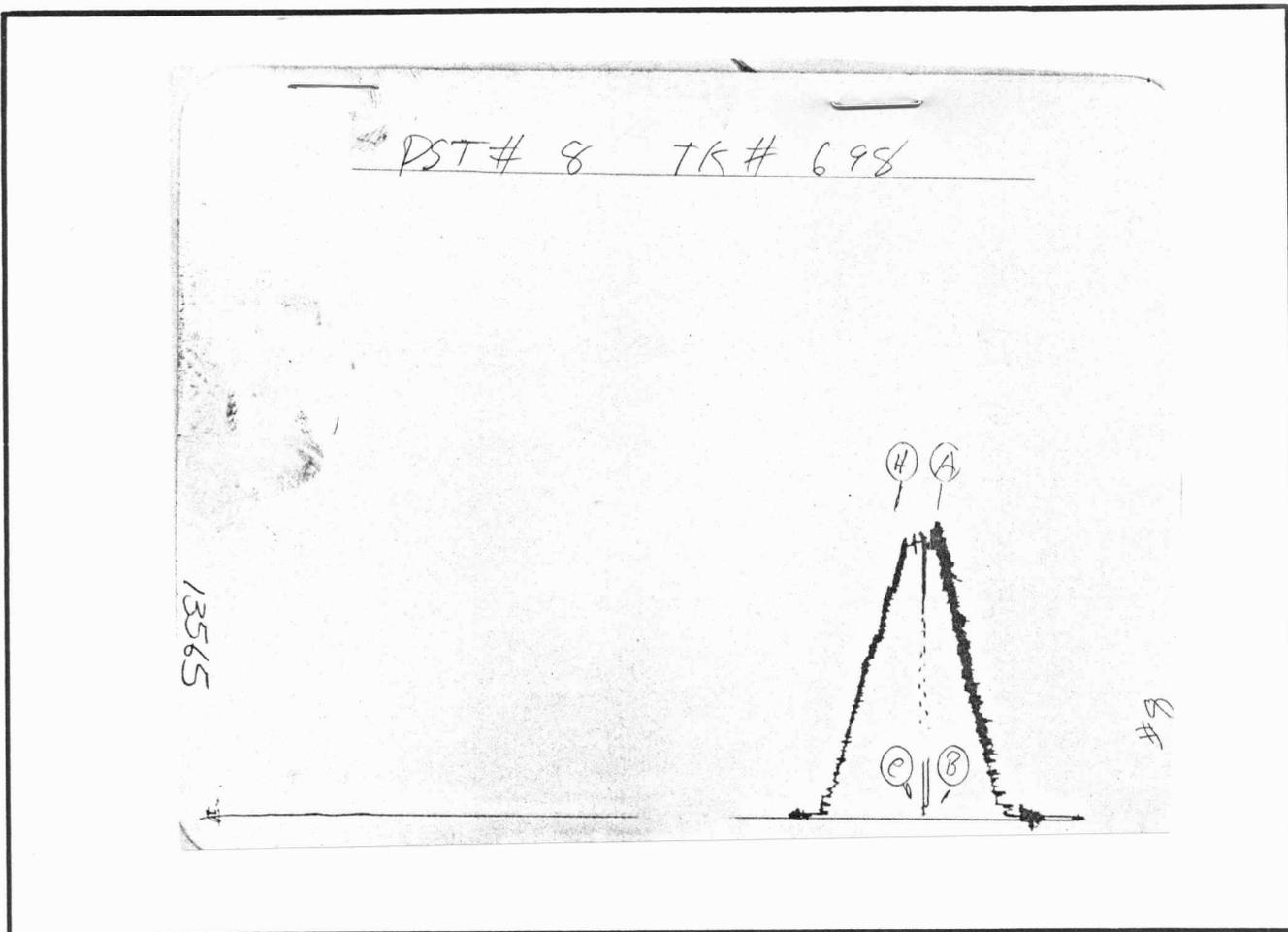
Pressure Data

Date 7-2-86 Test Ticket No. 698
 Recorder No. 13565 Capacity 4475 Location 3418 Ft.
 Clock No. _____ Elevation 1402 K.B. Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1625</u> P.S.I.	Open Tool	<u>6:45</u> P M	
B First Initial Flow Pressure	<u>37</u> P.S.I.	First Flow Pressure	<u>4</u> Mins.	<u>5</u> Mins.
C First Final Flow Pressure	<u>37</u> P.S.I.	Initial Closed-in Pressure	<u>N/T</u> Mins.	_____ Mins.
D Initial Closed-in Pressure	<u>Not taken</u> P.S.I.	Second Flow Pressure	<u>N/T</u> Mins.	_____ Mins.
E Second Initial Flow Pressure	<u>Not taken</u> P.S.I.	Final Closed-in Pressure	<u>N/T</u> Mins.	_____ Mins.
F Second Final Flow Pressure	<u>Not taken</u> P.S.I.			
G Final Closed-in Pressure	<u>Not taken</u> P.S.I.			
H Final Hydrostatic Mud	<u>1615</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>1</u> 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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>		<u>0</u>		<u>0</u>	
P 2	<u>5</u>	<u>3</u>		<u>5</u>		<u>3</u>	
P 3	<u>10</u>	<u>6</u>		<u>10</u>		<u>6</u>	
P 4	<u>15</u>	<u>9</u>		<u>15</u>		<u>9</u>	
P 5	<u>20</u>	<u>12</u>		<u>20</u>		<u>12</u>	
P 6	<u>25</u>	<u>15</u>		<u>25</u>		<u>15</u>	
P 7	<u>30</u>	<u>18</u>		<u>30</u>		<u>18</u>	
P 8	<u>35</u>	<u>21</u>		<u>35</u>		<u>21</u>	
P 9	<u>40</u>	<u>24</u>		<u>40</u>		<u>24</u>	
P10	<u>45</u>	<u>27</u>		<u>45</u>		<u>27</u>	
P11	<u>50</u>	<u>30</u>		<u>50</u>		<u>30</u>	
P12	<u>55</u>	<u>33</u>		<u>55</u>		<u>33</u>	
P13	<u>60</u>	<u>36</u>		<u>60</u>		<u>36</u>	
P14	<u>65</u>	<u>39</u>		<u>65</u>		<u>39</u>	
P15	<u>70</u>	<u>42</u>		<u>70</u>		<u>42</u>	
P16	<u>75</u>	<u>45</u>		<u>75</u>		<u>45</u>	
P17	<u>80</u>	<u>48</u>		<u>80</u>		<u>48</u>	
P18	<u>85</u>	<u>51</u>		<u>85</u>		<u>51</u>	
P19	<u>90</u>	<u>54</u>		<u>90</u>		<u>54</u>	
P19	<u>95</u>	<u>57</u>				<u>57</u>	
P20		<u>60</u>				<u>60</u>	



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1625	1625	PSI
(B) First Initial Flow Pressure	37	37	PSI
(C) First Final Flow Pressure	37	37	PSI
(D) Initial Closed-in Pressure	Not taken		PSI
(E) Second Initial Flow Pressure	Not taken		PSI
(F) Second Final Flow Pressure	Not taken		PSI
(G) Final Closed-in Pressure	Not taken		PSI
(H) Final Hydrostatic Mud	1614	1615	PSI



Ricketts Testing

Company Jay Boy Oil Company Lease & Well No. Webster #A-1
 Elevation 1402 K.B. Formation Simpson Sand Effective Pay _____ ft. Ticket No. 699
 Date 7-3-86 Sec. 27 Twp. 32 Range 2 County Harvey State Kansas
 Test Approved by Michael Bryan Ricketts Representative Dan Delaney
 Formation Test No. 9 Interval Tested from 3412 ft. to 3429 ft. Total Depth 3429 ft.
 Packer Depth 3412 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3409 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3417 ft. Recorder Number 13767 Cap. 4275
 Bottom Recorder Depth (Outside) 3420 ft. Recorder Number 13565 Cap. 4475
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
 Drilling Contractor Rains & Williamson #3 Drill Collar Length 248 I.D. 2.25 in.
 Mud Type Chemical Viscosity 39 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.0 Water Loss 8.8 cc. Drill Pipe Length 3144 I.D. 3.25 in.
 Chlorides 1,800 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make --- Serial Number _____ Anchor Length 17 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 x h in.

Blow: Weak blow Initial Flow Period. Died in 7 minutes. Flushed tool - no help.

Recovered 1 ft. of Mud.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s) 1:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:53 ~~P.M.~~ ^{A.M.} Maximum Temperature 105°
 Initial Hydrostatic Pressure..... (A) 1630 P.S.I.
 Initial Flow Period..... Minutes 8 (B) 31 P.S.I. to (C) 31 P.S.I.
 Initial Closed In Period..... Minutes _____ (D) Not taken P.S.I.
 Final Flow Period..... Minutes _____ (E) Not taken P.S.I. to (F) _____ P.S.I.
 Final Closed In Period..... Minutes _____ (G) Not taken P.S.I.
 Final Hydrostatic Pressure..... (H) 1618 P.S.I.

RICKETTS TESTING

Pressure Data

Date 7-3-86 Test Ticket No. 699
 Recorder No. 13767 Capacity 4275 Location 3417 Ft.
 Clock No. _____ Elevation 1402 K.B. Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1630</u> P.S.I.	Open Tool	<u>1:45</u> A M	
B First Initial Flow Pressure	<u>31</u> P.S.I.	First Flow Pressure	<u>8</u> Mins.	<u>8</u> Mins.
C First Final Flow Pressure	<u>31</u> P.S.I.	Initial Closed-in Pressure	<u>N/T</u> Mins.	<u> </u> Mins.
D Initial Closed-in Pressure	<u>Not taken</u> P.S.I.	Second Flow Pressure	<u>N/T</u> Mins.	<u> </u> Mins.
E Second Initial Flow Pressure	<u>Not taken</u> P.S.I.	Final Closed-in Pressure	<u>N/T</u> Mins.	<u> </u> Mins.
F Second Final Flow Pressure	<u>Not taken</u> P.S.I.			
G Final Closed-in Pressure	<u>Not taken</u> P.S.I.			
H Final Hydrostatic Mud	<u>1618</u> P.S.I.			

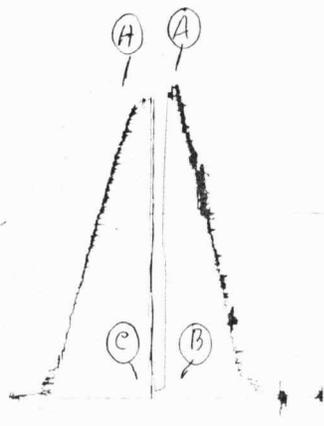
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>1</u> Inc. of <u>5</u> mins. and a final inc. of <u>3</u> Min.	Initial Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of _____ Min.	Second Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of _____ Min.	Final Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of _____ Min.
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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>31</u>	<u>0</u>		<u>0</u>		<u>0</u>		<u>0</u>
P 2	<u>31</u>	<u>3</u>		<u>3</u>		<u>5</u>		<u>3</u>
P 3	<u>31</u>	<u>6</u>		<u>6</u>		<u>10</u>		<u>6</u>
P 4		<u>9</u>		<u>9</u>		<u>15</u>		<u>9</u>
P 5		<u>12</u>		<u>12</u>		<u>20</u>		<u>12</u>
P 6		<u>15</u>		<u>15</u>		<u>25</u>		<u>15</u>
P 7		<u>18</u>		<u>18</u>		<u>30</u>		<u>18</u>
P 8		<u>21</u>		<u>21</u>		<u>35</u>		<u>21</u>
P 9		<u>24</u>		<u>24</u>		<u>40</u>		<u>24</u>
P10		<u>27</u>		<u>27</u>		<u>45</u>		<u>27</u>
P11		<u>30</u>		<u>30</u>		<u>50</u>		<u>30</u>
P12		<u>33</u>		<u>33</u>		<u>55</u>		<u>33</u>
P13		<u>36</u>		<u>36</u>		<u>60</u>		<u>36</u>
P14		<u>39</u>		<u>39</u>		<u>65</u>		<u>39</u>
P15		<u>42</u>		<u>42</u>		<u>70</u>		<u>42</u>
P16		<u>45</u>		<u>45</u>		<u>75</u>		<u>45</u>
P17		<u>48</u>		<u>48</u>		<u>80</u>		<u>48</u>
P18		<u>51</u>		<u>51</u>		<u>85</u>		<u>51</u>
P19		<u>54</u>		<u>54</u>		<u>90</u>		<u>54</u>
P20		<u>57</u>		<u>57</u>				<u>57</u>
		<u>60</u>		<u>60</u>				<u>60</u>

#9 DST # 9 TK # 699

12727



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1625	1630	PSI
(B) First Initial Flow Pressure	31	31	PSI
(C) First Final Flow Pressure	31	31	PSI
(D) Initial Closed-in Pressure	Not taken		PSI
(E) Second Initial Flow Pressure	Not taken		PSI
(F) Second Final Flow Pressure	Not taken		PSI
(G) Final Closed-in Pressure	Not taken		PSI
(H) Final Hydrostatic Mud	1614	1618	PSI



Ricketts Testing

Company Jay Boy Oil Company Lease & Well No. Webster #A-1
 Elevation 1402 K.B. Formation Simpson Sand Effective Pay _____ ft. Ticket No. 700
 Date 7-3-86 Sec. 27 Twp. 32 Range 2 County Harvey State Kansas
 Test Approved by Michael Bryan Ricketts Representative Dan Delaney

Formation Test No. 10 Interval Tested from 3414 ft. to 3434 ft. Total Depth 3434 ft.
 Packer Depth 3414 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3411 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3419 ft. Recorder Number 13767 Cap. 4275
 Bottom Recorder Depth (Outside) 3422 ft. Recorder Number 13565 Cap. 4475
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Rains & Williamson #3 Drill Collar Length 248 I.D. 2.25 in.
 Mud Type Chemical Viscosity 42 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.2 Water Loss 8.4 cc. Drill Pipe Length 3146 I.D. 3.25 in.
 Chlorides 2,100 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make -- Serial Number _____ Anchor Length 20 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 x h in.

Blow: Two bubbles and died Initial Flow Period. Flushed tool - no help.
No blow Final Flow Period.

Recovered 3 ft. of Oil specked mud.
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____

Time Set Packer (s) 10:45 A.M. Time Started Off Bottom 12:58 P.M. Maximum Temperature 108°
 Initial Hydrostatic Pressure..... (A) 1645 P.S.I.
 Initial Flow Period..... Minutes 13 (B) 36 P.S.I. to
 (C) 36 P.S.I.
 Initial Closed In Period..... Minutes 96 (D) 1221 P.S.I.
 Final Flow Period..... Minutes 30 (E) 36 P.S.I. to
 (F) 36 P.S.I.
 Final Closed In Period..... Minutes _____ (G) Not taken P.S.I.
 Final Hydrostatic Pressure..... (H) 1638 P.S.I.

RICKETTS TESTING

Pressure Data

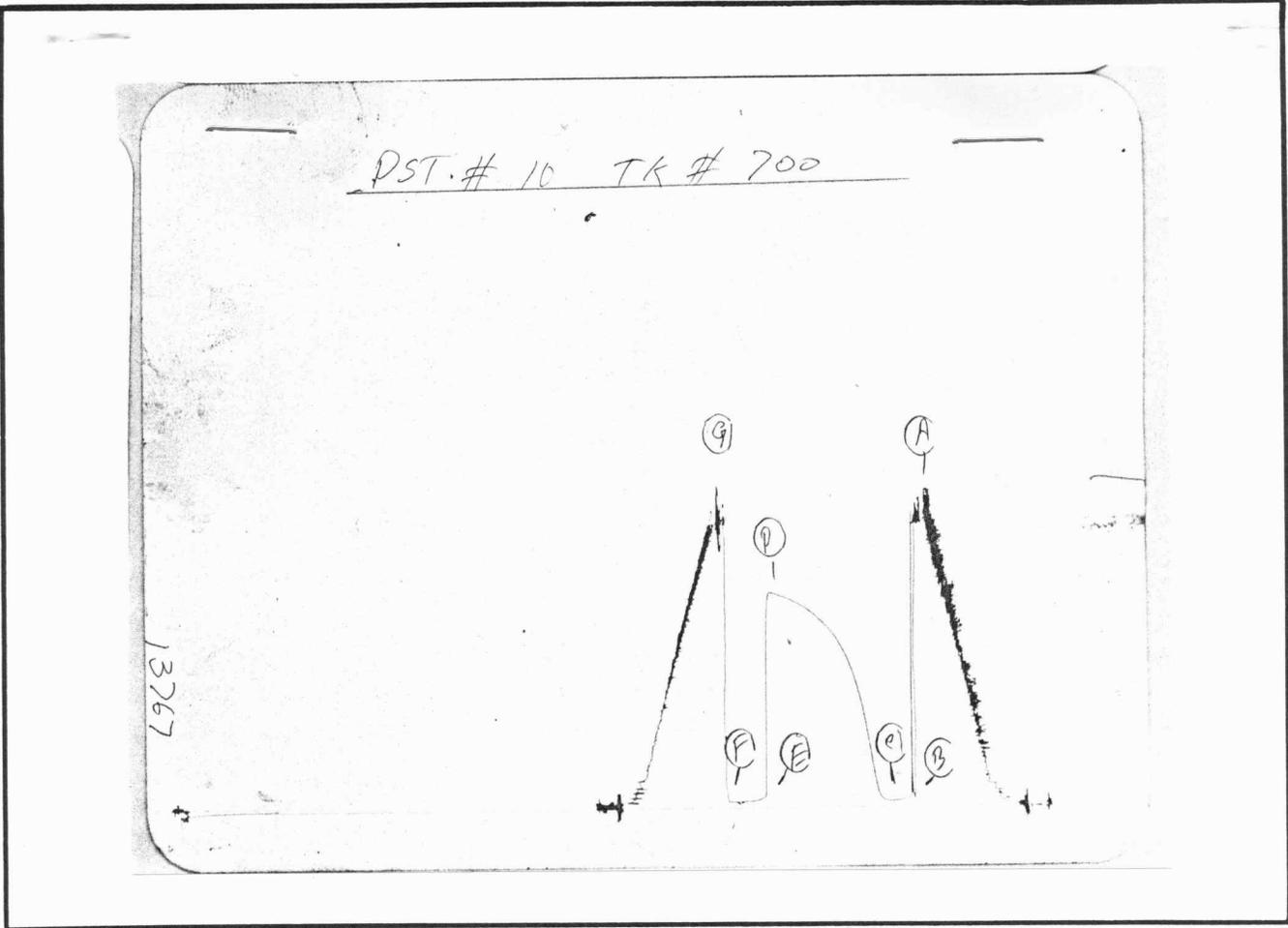
Date 7-3-86 Test Ticket No 700
 Recorder No 13767 Capacity 4275 Location 1419 Ft.
 Clock No _____ Elevation 1402 K.B. Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1645</u> P.S.I.	Open Tool	<u>10:45</u> A M	
B First Initial Flow Pressure	<u>36</u> P.S.I.	First Flow Pressure	<u>13</u> Mins	<u>13</u> Mins.
C First Final Flow Pressure	<u>36</u> P.S.I.	Initial Closed-in Pressure	<u>90</u> Mins	<u>96</u> Mins.
D Initial Closed-in Pressure	<u>1221</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>36</u> P.S.I.	Final Closed-in Pressure	<u>N/T</u> Mins	
F Second Final Flow Pressure	<u>36</u> P.S.I.			
G Final Closed-in Pressure	<u>Not taken</u> P.S.I.			
H Final Hydrostatic Mud	<u>1638</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.
P 1	<u>2</u>		<u>32</u>		<u>6</u>			
	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>3</u> Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>36</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>36</u>	<u>0</u>		
P 2	<u>36</u>	<u>3</u>	<u>36</u>	<u>3</u>	<u>36</u>	<u>3</u>		
P 3	<u>36</u>	<u>6</u>	<u>36</u>	<u>6</u>	<u>36</u>	<u>6</u>		
P 4	<u>36</u>	<u>9</u>	<u>36</u>	<u>9</u>	<u>36</u>	<u>9</u>		
P 5		<u>12</u>	<u>45</u>	<u>12</u>	<u>36</u>	<u>12</u>		
P 6		<u>15</u>	<u>61</u>	<u>15</u>	<u>36</u>	<u>15</u>		
P 7		<u>18</u>	<u>130</u>	<u>18</u>	<u>36</u>	<u>18</u>		
P 8		<u>21</u>	<u>247</u>	<u>21</u>		<u>21</u>		
P 9		<u>24</u>	<u>370</u>	<u>24</u>		<u>24</u>		
P10		<u>27</u>	<u>479</u>	<u>27</u>		<u>27</u>		
P11		<u>30</u>	<u>601</u>	<u>30</u>		<u>30</u>		
P12		<u>33</u>	<u>697</u>	<u>33</u>		<u>33</u>		
P13		<u>36</u>	<u>766</u>	<u>36</u>		<u>36</u>		
P14		<u>39</u>	<u>824</u>	<u>39</u>		<u>39</u>		
P15		<u>42</u>	<u>876</u>	<u>42</u>		<u>42</u>		
P16		<u>45</u>	<u>919</u>	<u>45</u>		<u>45</u>		
P17		<u>48</u>	<u>956</u>	<u>48</u>		<u>48</u>		
P18		<u>51</u>	<u>985</u>	<u>51</u>		<u>51</u>		
P19		<u>54</u>	<u>1014</u>	<u>54</u>		<u>54</u>		
P19		<u>57</u>	<u>1038</u>	<u>57</u>		<u>57</u>		
P20		<u>60</u>	<u>1059</u>	<u>60</u>		<u>60</u>		

cont'd



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1646	1645	PSI
(B) First Initial Flow Pressure	37	36	PSI
(C) First Final Flow Pressure	37	36	PSI
(D) Initial Closed-in Pressure	1224	1221	PSI
(E) Second Initial Flow Pressure	37	36	PSI
(F) Second Final Flow Pressure	37	36	PSI
(G) Final Closed-in Pressure	Not taken		PSI
(H) Final Hydrostatic Mud	1635	1638	PSI