



Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Company United Petroleum Company Lease & Well No. Ohnmacht #1

Elevation 2218 Derreck Floor Formation Cherokee Effective Pay _____ Ft. Ticket No. 15199

Date 12-28-71 Sec. 19 Twp. 19S Range 22W County Ness State Kansas

Test Approved by Robert G. Brooks Western Representative C. F. Bigheart

Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 4296' to 4310' Total Depth 4310'

Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No

Packer Depth 4291 Ft. Size 6 3/4" Packer Depth 4296 Ft. Size 6 3/4"

Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 14 Ft. Size 5 1/2" O.D.

RECORDERS Depth 4300 Ft. Clock No. 6895 Depth 4303 Ft. Clock No. 6897

Top Make Kuster Cap. 6200 No. 1562 Inside _____ Outside _____ Bottom Make Kuster Cap. 6600 No. 1564 Inside _____ Outside _____

Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____ Depth _____ Ft. Clock No. _____ Inside _____ Outside _____

Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____ Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer 9:22 P. M

Tool Open I.F.P. From 9:25 M. to 9:40 M. Hr. 15 Min. From (B) 42 P.S.I. To (C) 45 P.S.I.

Tool Closed I.C.I.P. From 9:40 M. to 10:10 M. Hr. 30 Min. (D) 57 P.S.I.

Tool Open F.F.P. From 10:10 M. to 10:40 M. Hr. 30 Min. From (E) 42 P.S.I. To (F) 48 P.S.I.

Tool Closed F.C.I.P. From 10:40 M. to 11:10 M. Hr. 30 Min. (G) 50 P.S.I.

Initial Hydrostatic Pressure (A) 2325 P.S.I. Final Hydrostatic Pressure (H) 2312 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____ M. _____ M. _____

BLOW Weak for 15 minutes Flushed tool 20 minutes on Final Flow Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 10 feet Mud (No Shows)

Reversed Out _____ Yes ☒ No _____ Mud Type Starch Viscosity 50 Weight 9.8 Water Loss 12.8 cc. Maximum Temp. 116 °F

Type Circ. Sub. Plug Did Tool Plug? No Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers Yes Safety Joint No Did Packer Hold? Yes Where? _____

Length Drill Pipe 3675 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 635 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 33 ft.

Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date December 28, 1971

Test Ticket No. 15190

Recorder No. 1562

Capacity 6200

Location 4300 Ft.

Clock No. 6895

Elevation 2218 Derrick Floor

Well Temperature 116 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2325</u> P.S.I.	Open Tool	<u>9:22</u> P. M.	
B First Initial Flow Pressure	<u>42</u> P.S.I.	First Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>45</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>57</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>42</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>48</u> P.S.I.			
G Final Closed-in Pressure	<u>50</u> P.S.I.			
H Final Hydrostatic Mud	<u>2312</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: 10 Inc.
of 3 mins. and a
final inc. of Min.

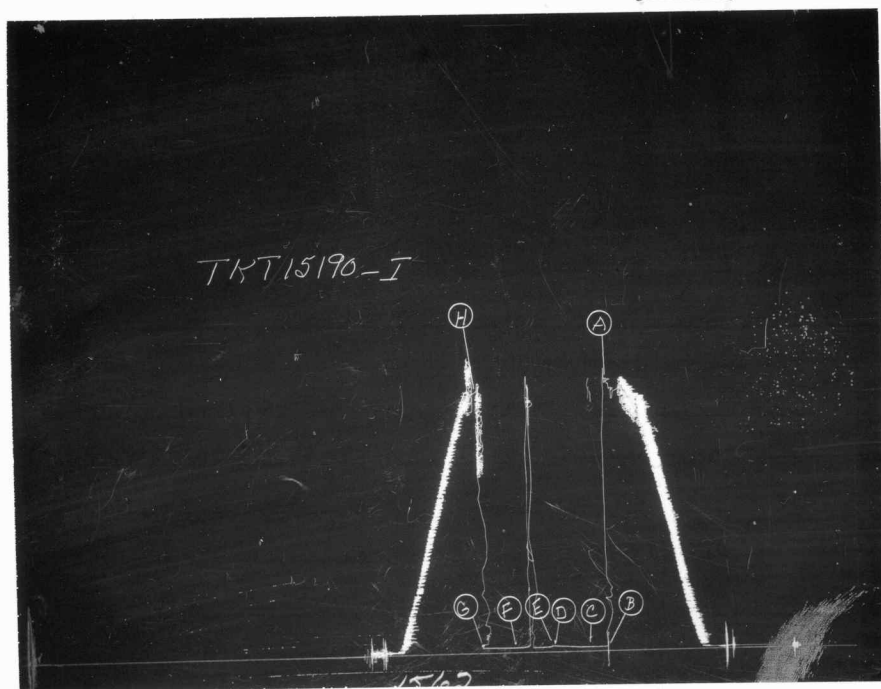
Second Flow Pressure

Breakdown: 6 Inc.
of 5 mins. and a
final inc. of Min.

Final Shut-In

Breakdown: 10 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>42</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>42</u>	<u>0</u>	<u>48</u>
P 2 <u>5</u>	<u>43</u>	<u>3</u>	<u>46</u>	<u>5</u>	<u>43</u>	<u>3</u>	<u>48</u>
P 3 <u>10</u>	<u>44</u>	<u>6</u>	<u>48</u>	<u>10</u>	<u>42</u>	<u>6</u>	<u>48</u>
P 4 <u>15</u>	<u>45</u>	<u>9</u>	<u>50</u>	<u>15</u>	<u>42</u>	<u>9</u>	<u>48</u>
P 5 <u> </u>	<u> </u>	<u>12</u>	<u>51</u>	<u>20</u>	<u>48</u>	<u>12</u>	<u>48</u>
P 6 <u> </u>	<u> </u>	<u>15</u>	<u>52</u>	<u>25</u>	<u>48</u>	<u>15</u>	<u>48</u>
P 7 <u> </u>	<u> </u>	<u>18</u>	<u>53</u>	<u>30</u>	<u>48</u>	<u>18</u>	<u>48</u>
P 8 <u> </u>	<u> </u>	<u>21</u>	<u>54</u>	<u> </u>	<u> </u>	<u>21</u>	<u>49</u>
P 9 <u> </u>	<u> </u>	<u>24</u>	<u>55</u>	<u> </u>	<u> </u>	<u>24</u>	<u>49</u>
P 10 <u> </u>	<u> </u>	<u>27</u>	<u>56</u>	<u> </u>	<u> </u>	<u>27</u>	<u>49</u>
P 11 <u> </u>	<u> </u>	<u>30</u>	<u>57</u>	<u> </u>	<u> </u>	<u>30</u>	<u>50</u>
P 12 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 13 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 14 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 15 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 16 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 17 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 18 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 19 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
P 20 <u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2327	2325	PSI
(B) First Initial Flow Pressure	39	42	PSI
(C) First Final Flow Pressure	39	45	PSI
(D) Initial Closed-in Pressure	69	57	PSI
(E) Second Initial Flow Pressure	39	42	PSI
(F) Second Final Flow Pressure	39	48	PSI
(G) Final Closed-in Pressure	39	50	PSI
(H) Final Hydrostatic Mud	2316	2312	PSI



Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Company **United Petroleum & Circle Oil** Lease & Well No. **Ohnmacht #1**

Elevation **2218 Derrick Floor** Formation **Mississippian** Effective Pay _____ Ft. Ticket No. **15191**

Date **12-30-71** Sec. **19** Twp. **19** Range **22** County **Ness** State **Kansas**

Test Approved by **Robert G. Brooks** Western Representative **Leon Elmore**

Formation Test No. **2** O.K. ☒ Misrun _____ Interval Tested From **4345'** to **4356'** Total Depth **4356'**

Size Main Hole **7 7/8"** Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No

Packer Depth **4340** Ft. Size **6 3/4"** Packer Depth **4345** Ft. Size **6 3/4"**

Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____

Tool Size **5 1/2" O.D.** Tool Jt. Size **4 1/2" F.H.** Anchor Length **11** Ft. Size **5 1/2" O.D.**

RECORDERS Depth **4348** Ft. Clock No. **6895** Depth **4351** Ft. Clock No. **6897**

Top Make **Kuster** Cap. **6200** No. **1562** Inside ☒ Outside _____ Bottom Make **Kuster** Cap. **6600** No. **1564** Inside ☒ Outside _____

Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____

Top Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Bottom Make _____ Cap. _____ No. _____ Inside _____ Outside _____

Time Set Packer **12:47** **A.** M.

Tool Open I.F.P. From **12:48** M. to **1:03A.** M. Hr. **15** Min. From (B) **41** P.S.I. To (C) **45** P.S.I.

Tool Closed I.C.I.P. From **1:03** M. to **1:33A.** M. Hr. **30** Min. (D) **1293** P.S.I.

Tool Open F.F.P. From **1:33** M. to **2:13A.** M. Hr. **40** Min. From (E) **51** P.S.I. To (F) **75** P.S.I.

Tool Closed F.C.I.P. From **2:13** M. to **2:44A.** M. Hr. **30** Min. (G) **1234** P.S.I.

Initial Hydrostatic Pressure (A) **2328** P.S.I. Final Hydrostatic Pressure (H) **2324** P.S.I.

SURFACE Size Choke **3/4** In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW **Weak for 5 min.** Bottom Choke Size **3/4** In.

Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. **65 feet mud**

Reversed Out _____ Yes ☒ No _____ Mud Type **Starch** Viscosity **55** Weight **9.8** Water Loss **8** cc. Maximum Temp. **120** °F

Type Circ. Sub. **Plug** Did Tool Plug? **No** Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers **Yes** Safety Joint **No** Did Packer Hold? **Yes** Where? _____

Length Drill Pipe **3690** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe **635** ft. I.D. Weight Pipe **2.7** in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool **31** ft.

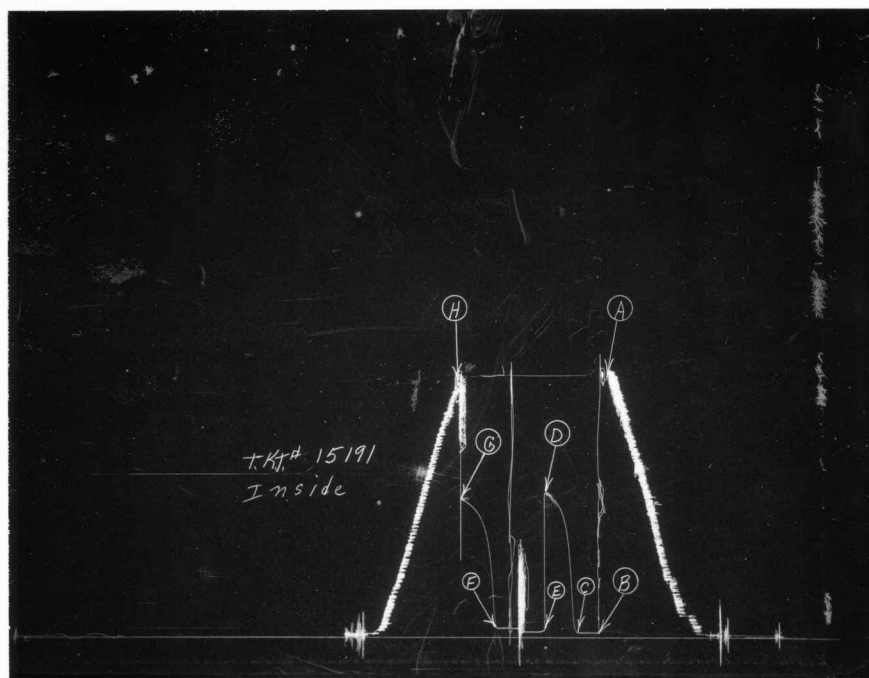
Remarks **Flushed tool - 20 min. on final flow**

Point	Pressure		Time Given		Time Computed
A Initial Hydrostatic Mud	2328	P.S.I.	12:48	A.	M
B First Initial Flow Pressure	41	P.S.I.	15		16
C First Final Flow Pressure	45	P.S.I.	30		30
D Initial Closed-in Pressure	1293	P.S.I.	40		40
E Second Initial Flow Pressure	51	P.S.I.	30		31
F Second Final Flow Pressure	75	P.S.I.			
G Final Closed-in Pressure	1234	P.S.I.			
H Final Hydrostatic Mud	2324	P.S.I.			

PRESSURE BREAKDOWN

Final Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 1 Min.

Point Mins.		Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0	41	0	45	0	51	0	75
P 2	5	41	3	78	5	51	3	294
P 3	10	43	6	538	10	51	6	683
P 4	15	45	9	867	15	51	9	867
P 5	16	45	12	1039	20	Flushed Tool	12	967
P 6			15	1136	25		72	15
P 7			18	1195	30	72	18	1121
P 8			21	1239	35	Flushed Tool	21	1160
P 9			24	1263	40		75	24
P10			27	1284			27	1211
P11			30	1293			30	1233
P12							31	1234
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2331	2328
(B) First Initial Flow Pressure	38	41
(C) First Final Flow Pressure	38	45
(D) Initial Closed-in Pressure	1296	1293
(E) Second Initial Flow Pressure	45	51
(F) Second Final Flow Pressure	75	75
(G) Final Closed-in Pressure	1251	1234
(H) Final Hydrostatic Mud	2285	2324



Home Office: Great Bend, Kansas

P. O. Box 793

(316) 793-7903

Company United Petroleum & Circle Oil Lease & Well No. Ohnmacht #1

Elevation 2218 Derrick Floor Formation Mississippian Effective Pay _____ Ft. Ticket No. 15192

Date 12-30-71 Sec. 19 Twp. 19 Range 22 County Ness State Kansas

Test Approved by Robert G. Brooks Western Representative Leon Elmore

Formation Test No. 3 O.K. X Misrun _____ Interval Tested From 4345' to 4359' Total Depth 4359'

Size Main Hole 7 7/8" Rat Hole _____ Conv. _____ B.T. X Damaged _____ Yes X No Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth 4345 Ft. Size 6 3/4" Packer Depth _____ Ft. Size _____

Straddle _____ Yes _____ No X Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 14 Ft. Size 5 1/2" O.D.

RECORDERS Depth 4350 Ft. Clock No. 6895 Depth 4353 Ft. Clock No. 6897

Top Make Kuster Cap. 6200 No. 1562 Inside Outside Bottom Make Kuster Cap. 6600 No. 1564 Inside Outside

Below Straddle: Depth _____ Clock No. _____ Inside Outside Depth _____ Clock No. _____ Inside Outside

Top Make _____ Cap. _____ No. _____ Inside Outside Bottom Make _____ Cap. _____ No. _____ Inside Outside

Time Set Packer 3:19 P.M.

Tool Open I.F.P. From 3:20 M. to 3:35P. M. Hr. 15 Min. From (B) 30 P.S.I. To (C) 36 P.S.I.

Tool Closed I.C.I.P. From 3:35 M. to 4:05P. M. Hr. 30 Min. (D) 1224 P.S.I.

Tool Open F.F.P. From 4:05 M. to 5:05P. M. Hr. 60 Min. From (E) 54 P.S.I. To (F) 66 P.S.I.

Tool Closed F.C.I.P. From 5:05 M. to 6:05P. M. Hr. 60 Min. (G) 1163 P.S.I.

Initial Hydrostatic Pressure (A) 2316 P.S.I. Final Hydrostatic Pressure (H) 2282 P.S.I.

SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____

INFORMATION _____ M. _____

_____ M. _____

_____ M. _____

BLOW Very weak for 50 min. - died Bottom Choke Size 3/4 In.

Did Well Flow _____ Yes X No _____ Recovery Total Ft. 60 feet muddy water with scum oil on top

Reversed Out _____ Yes X No _____ Mud Type Starch Viscosity 45 Weight 9.7 Water Loss 10.4 cc. Maximum Temp. 123 °F

Type Circ. Sub. Plug Did Tool Plug? No Jars: Size _____ Make _____ Ser. No. _____

EXTRA EQUIPMENT: Dual Packers No Safety Joint No Did Packer Hold? Yes Where? _____

Length Drill Pipe 3695 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe 635 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars _____ ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 29 ft.

Remarks _____

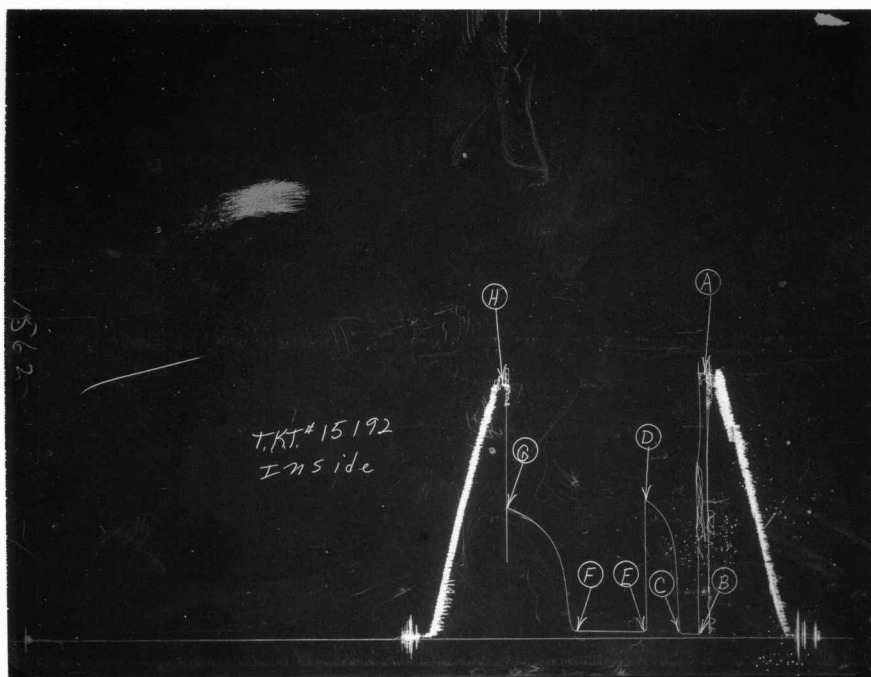
Pressure Data

Date 12-30-71 Test Ticket No. 15192
 Recorder No. 1562 Capacity 6200 Location 4350 Ft.
 Clock No. 6895 Elevation 2218 Derrick Floor Well Temperature 123 °F

Point	Pressure		Time Given 3:20 P.	Time Computed
A Initial Hydrostatic Mud	2316	P.S.I.		
B First Initial Flow Pressure	30	P.S.I.	15	15
C First Final Flow Pressure	36	P.S.I.	30	30
D Initial Closed-in Pressure	1224	P.S.I.	60	60
E Second Initial Flow Pressure	54	P.S.I.	60	60
F Second Final Flow Pressure	66	P.S.I.		
G Final Closed-in Pressure	1163	P.S.I.		
H Final Hydrostatic Mud	2282	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>12</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>30</u>	<u>0</u>	<u>36</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>66</u>
P 2 <u>5</u>	<u>32</u>	<u>3</u>	<u>499</u>	<u>5</u>	<u>54</u>	<u>3</u>	<u>81</u>
P 3 <u>10</u>	<u>34</u>	<u>6</u>	<u>843</u>	<u>10</u>	<u>55</u>	<u>6</u>	<u>171</u>
P 4 <u>15</u>	<u>36</u>	<u>9</u>	<u>961</u>	<u>15</u>	<u>56</u>	<u>9</u>	<u>475</u>
P 5 _____		<u>12</u>	<u>1030</u>	<u>20</u>	<u>57</u>	<u>12</u>	<u>641</u>
P 6 _____		<u>15</u>	<u>1081</u>	<u>25</u>	<u>59</u>	<u>15</u>	<u>749</u>
P 7 _____		<u>18</u>	<u>1121</u>	<u>30</u>	<u>60</u>	<u>18</u>	<u>806</u>
P 8 _____		<u>21</u>	<u>1154</u>	<u>35</u>	<u>61</u>	<u>21</u>	<u>867</u>
P 9 _____		<u>24</u>	<u>1187</u>	<u>40</u>	<u>62</u>	<u>24</u>	<u>912</u>
P10 _____		<u>27</u>	<u>1209</u>	<u>45</u>	<u>63</u>	<u>27</u>	<u>948</u>
P11 _____		<u>30</u>	<u>1224</u>	<u>50</u>	<u>64</u>	<u>30</u>	<u>981</u>
P12 _____				<u>55</u>	<u>65</u>	<u>33</u>	<u>1009</u>
P13 _____				<u>60</u>	<u>66</u>	<u>36</u>	<u>1033</u>
P14 _____						<u>39</u>	<u>1054</u>
P15 _____						<u>42</u>	<u>1078</u>
P16 _____						<u>45</u>	<u>1096</u>
P17 _____						<u>48</u>	<u>1112</u>
P18 _____						<u>51</u>	<u>1127</u>
P19 _____						<u>54</u>	<u>1142</u>
P20 _____						<u>57</u>	<u>1153</u>
						<u>60</u>	<u>1163</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2377	2316	PSI
(B) First Initial Flow Pressure	30	30	PSI
(C) First Final Flow Pressure	30	36	PSI
(D) Initial Closed-in Pressure	1221	1224	PSI
(E) Second Initial Flow Pressure	53	54	PSI
(F) Second Final Flow Pressure	60	66	PSI
(G) Final Closed-in Pressure	1160	1163	PSI
(H) Final Hydrostatic Mud	2300	2282	PSI