



Home Office: Wichita, Kansas 67201

Company TEXAS ENERGIES, INC. P. O. Box 1599 (316) 838-0601 PETROWSKY #1
Lease & Well No. _____
Elevation _____ Formation Indian Cave Effective Pay _____ Ft. Ticket No. 790 790
Date 7/10/78 Sec. 23 Twp. 26S Range 14W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Jim Wondra

Formation Test No. 1 Interval Tested from 2833' ft. to 2887' ft. Total Depth 2887' ft.

Packer Depth 2828 ft. Size 6 3/4 in. Packer Depth 2833 ft. Size 6 3/4 in.

Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 2877 ft. Recorder Number 969 Cap. 4150

Bottom Recorder Depth (Outside) 2880 ft. Recorder Number 2603 Cap. 4400

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

Drilling Contractor Gabbert * Jones Rig #6 Drill Collar Length 124 I. D. 2 1/4 in.

Mud Type starch Viscosity 46 Weight Pipe Length -- I. D. -- in.

Weight 9.3 Water Loss 26 cc. Drill Pipe Length 2688 I. D. 3.8 in.

Chlorides 75,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.

Jars: Make -- Serial Number -- Anchor Length 54 ft. Size 5 1/2 OD in.

Did Well Flow? Yes Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in.

Blow: Strong blow throughout test. Gas to surface in 3 minutes on pre-flow. See attached sheet for gas measurements.

Recovered 65 ft. of thin mud

Recovered 120 ft. of salt water. Chlorides checked 102,000 PPM

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 8:25 ~~A.M.~~ P.M. Time Started Off Bottom 10:50 ~~A.M.~~ P.M. Maximum Temperature 120

Initial Hydrostatic Pressure _____ (A) 1461 P.S.I.

Initial Flow Period _____ Minutes 40 (B) 100 P.S.I. to (C) 149 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 1036 P.S.I.

Final Flow Period _____ Minutes 45 (E) 201 P.S.I. to (F) 175 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 1004 P.S.I.

Final Hydrostatic Pressure _____ (H) 1442 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

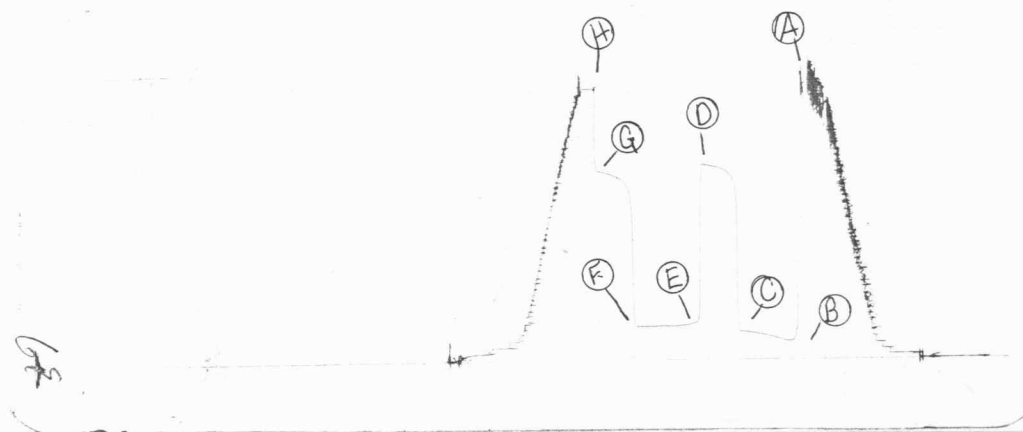
Date 7/10/78Test Ticket No. 790Recorder No. 969Capacity 4150Location 2877 Ft.Clock No. ----- Elevation -----Well Temperature 120 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	1461	P.S.I.	Open Tool	8:25P	M
B First Initial Flow Pressure	100	P.S.I.	First Flow Pressure	40	Mins. 40 Mins.
C First Final Flow Pressure	149	P.S.I.	Initial Closed-in Pressure	30	Mins. 27 Mins.
D Initial Closed-in Pressure	1036	P.S.I.	Second Flow Pressure	45	Mins. 45 Mins.
E Second Initial Flow Pressure	201	P.S.I.	Final Closed-in Pressure	30	Mins. 27 Mins.
F Second Final Flow Pressure	175	P.S.I.			
G Final Closed-in Pressure	1004	P.S.I.			
H Final Hydrostatic Mud	1442	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>8</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>9</u> Inc.		Breakdown: <u>9</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	100	0	149	0	201	0	175
P 2 5	95	3	941	5	186	3	783
P 3 10	106	6	982	10	180	6	919
P 4 15	119	9	1001	15	176	9	950
P 5 20	126	12	1012	20	176	12	967
P 6 25	135	15	1021	25	176	15	977
P 7 30	141	18	1026	30	176	18	986
P 8 35	146	21	1031	35	176	21	994
P 9 40	149	24	1034	40	175	24	999
P10		27	1036	45	175	27	1004
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Trt # 790
I.



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1467	1461	PSI
(B) First Initial Flow Pressure	92	100	PSI
(C) First Final Flow Pressure	153	149	PSI
(D) Initial Closed-in Pressure	1034	1036	PSI
(E) Second Initial Flow Pressure	194	201	PSI
(F) Second Final Flow Pressure	184	175	PSI
(G) Final Closed-in Pressure	1004	1004	PSI
(H) Final Hydrostatic Mud	1446	1442	PSI



Home Office: Wichita, Kansas 67201

Company Texas Energies, Inc. P. O. Box 1599 Lease & Well No. (316) 838-0601 Petrowskey #1

Elevation ----- Formation Lansing Effective Pay ----- Ft. Ticket No. 791

Date 7/13/78 Sec. 23 Twp 26S Range 14W County Pratt State Kansas

Test Approved by Toby Elster Western Representative Jim Wondra

Formation Test No. 2 Interval Tested from 3905' ft. to 3942' ft. Total Depth 3942' ft.

Packer Depth 3900 ft. Size 6 3/4 in. Packer Depth 3905 ft. Size 6 3/4 in.

Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 3932 ft. Recorder Number 969 Cap. 4150

Bottom Recorder Depth (Outside) 3935 ft. Recorder Number 2603 Cap. 4400

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

Drilling Contractor Gabbert - Jones #6 Drill Collar Length 217 I. D. 2 1/4 in.

Mud Type premix Viscosity 38 Weight Pipe Length -- I. D. -- in.

Weight 9.2 Water Loss 43.0 cc. Drill Pipe Length 3667 I. D. 3.8 in.

Chlorides 23,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.

Jars: Make -- Serial Number -- Anchor Length 37 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.

Blow: Very weak blow throughout test.

Recovered 120 ft. of thin mud

Recovered 120 ft. of salt water (46,000 PPM chlorides)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:25 A.M. Time Started Off Bottom 11:25 A.M. Maximum Temperature 123

Initial Hydrostatic Pressure 1954 P.S.I.

Initial Flow Period 60 Minutes (B) 61 P.S.I. to (C) 121 P.S.I.

Initial Closed In Period 60 Minutes (D) 1329 P.S.I.

Final Flow Period 60 Minutes (E) 166 P.S.I. to (F) 167 P.S.I.

Final Closed In Period 60 Minutes (G) 1307 P.S.I.

Final Hydrostatic Pressure 1937 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7/13/78

Test Ticket No. 791

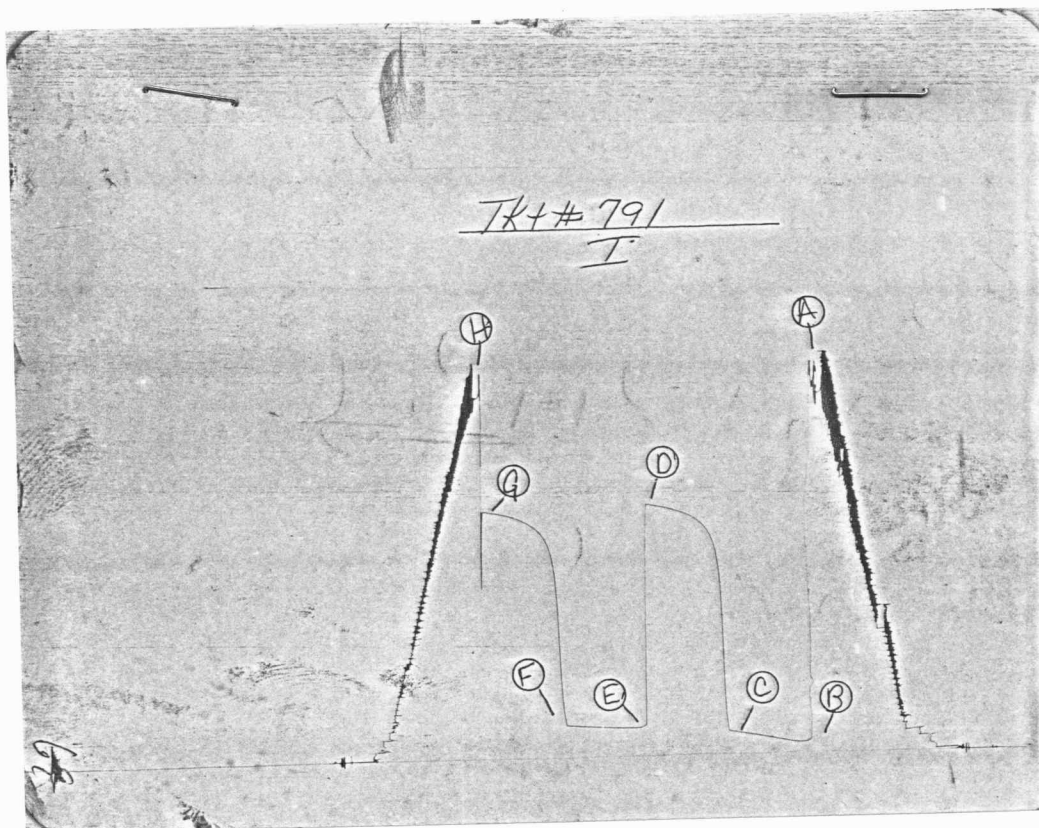
Recorder No. 969 Capacity 4150 Location 3932 Ft.

Clock No. --- Elevation --- Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1954 P.S.I.	Open Tool	8:25 A M	
B First Initial Flow Pressure	61 P.S.I.	First Flow Pressure	60 Mins.	60 Mins.
C First Final Flow Pressure	121 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1329 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	166 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	167 P.S.I.			
G Final Closed-in Pressure	1307 P.S.I.			
H Final Hydrostatic Mud	1937 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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 <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>61</u>	<u>0</u>	<u>121</u>	<u>0</u>	<u>166</u>	<u>0</u>	<u>167</u>
P 2 <u>5</u>	<u>53</u>	<u>3</u>	<u>240</u>	<u>5</u>	<u>145</u>	<u>3</u>	<u>322</u>
P 3 <u>10</u>	<u>59</u>	<u>6</u>	<u>668</u>	<u>10</u>	<u>144</u>	<u>6</u>	<u>721</u>
P 4 <u>15</u>	<u>63</u>	<u>9</u>	<u>1000</u>	<u>15</u>	<u>145</u>	<u>9</u>	<u>965</u>
P 5 <u>20</u>	<u>71</u>	<u>12</u>	<u>1121</u>	<u>20</u>	<u>147</u>	<u>12</u>	<u>1076</u>
P 6 <u>25</u>	<u>80</u>	<u>15</u>	<u>1168</u>	<u>25</u>	<u>149</u>	<u>15</u>	<u>1137</u>
P 7 <u>30</u>	<u>86</u>	<u>18</u>	<u>1203</u>	<u>30</u>	<u>153</u>	<u>18</u>	<u>1175</u>
P 8 <u>35</u>	<u>94</u>	<u>21</u>	<u>1228</u>	<u>35</u>	<u>155</u>	<u>21</u>	<u>1200</u>
P 9 <u>40</u>	<u>100</u>	<u>24</u>	<u>1244</u>	<u>40</u>	<u>157</u>	<u>24</u>	<u>1221</u>
P10 <u>45</u>	<u>106</u>	<u>27</u>	<u>1259</u>	<u>45</u>	<u>158</u>	<u>27</u>	<u>1236</u>
P11 <u>50</u>	<u>112</u>	<u>30</u>	<u>1271</u>	<u>50</u>	<u>163</u>	<u>30</u>	<u>1249</u>
P12 <u>55</u>	<u>119</u>	<u>33</u>	<u>1280</u>	<u>55</u>	<u>166</u>	<u>33</u>	<u>1259</u>
P13 <u>60</u>	<u>121</u>	<u>36</u>	<u>1290</u>	<u>60</u>	<u>167</u>	<u>36</u>	<u>1267</u>
P14		<u>39</u>	<u>1296</u>			<u>39</u>	<u>1276</u>
P15		<u>42</u>	<u>1304</u>			<u>42</u>	<u>1285</u>
P16		<u>45</u>	<u>1309</u>			<u>45</u>	<u>1290</u>
P17		<u>48</u>	<u>1315</u>			<u>48</u>	<u>1294</u>
P18		<u>51</u>	<u>1319</u>			<u>51</u>	<u>1298</u>
P19		<u>54</u>	<u>1323</u>			<u>54</u>	<u>1302</u>
P20		<u>57</u>	<u>1327</u>			<u>57</u>	<u>1306</u>
WTC - 4		<u>60</u>	<u>1329</u>			<u>60</u>	<u>1307</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1958	1954 PSI
(B) First Initial Flow Pressure	61	61 PSI
(C) First Final Flow Pressure	122	121 PSI
(D) Initial Closed-in Pressure	1322	1329 PSI
(E) Second Initial Flow Pressure	153	166 PSI
(F) Second Final Flow Pressure	163	167 PSI
(G) Final Closed-in Pressure	1302	1307 PSI
(H) Final Hydrostatic Mud	1943	1937 PSI



Home Office: Wichita, Kansas 67201

P. O. Box 1599

(316) 838-0601

Petrowskey #1

Company Texas Energies, Inc.

Lease & Well No. _____

Elevation _____ Formation Mississippi Effective Pay _____ Ft. Ticket No. 792

Date 7/15/78 Sec. 23 Twp 26 S Range 14W County Pratt State Kansas

Test Approved by Toby Elster Western Representative Jim Wondra

Formation Test No. 3 Interval Tested from 4261' ft. to 4299' ft. Total Depth 4299' ft.

Packer Depth 4256 ft. Size 6 3/4 in. Packer Depth 4261 ft. Size 6 3/4 in.

Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ----

Top Recorder Depth (Inside) 4289 ft. Recorder Number 969 Cap. 4150

Bottom Recorder Depth (Outside) 4292 ft. Recorder Number 2603 Cap. 4400

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

Drilling Contractor Gabbert - Jones #6

Drill Collar Length 155 I. D. 2 1/4 in.

Mud Type premix Viscosity 44

Weight Pipe Length -- I. D. -- in.

Weight 9.4 Water Loss 7.8 cc.

Drill Pipe Length 4080 I. D. 3.8 in.

Chlorides 24,000 P.P.M.

Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.

Jars: Make WTC Serial Number 410

Anchor Length 38 ft. Size 5 1/2 OD in.

Did Well Flow? Yes Reversed Out No

Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in.

Blow: Strong blow throughout test. Gas to surface in 27 minutes on preflow. See attached sheet for gas measurements.

Recovered 130 ft. of drilling mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 8:30 ~~A.M.~~ P.M. Time Started Off Bottom 1:30 ~~A.M.~~ P.M. Maximum Temperature 128

Initial Hydrostatic Pressure (A) 2158 P.S.I.

Initial Flow Period Minutes 60 (B) 80 P.S.I. to (C) 64 P.S.I.

Initial Closed In Period Minutes 60 (D) 1249 P.S.I.

Final Flow Period Minutes 90 (E) 70 P.S.I. to (F) 60 P.S.I.

Final Closed In Period Minutes 90 (G) 1222 P.S.I.

Final Hydrostatic Pressure (H) 2137 P.S.I.



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

GAS FLOW REPORT

Date 7/15/78 Ticket 792 Company Texas Energies, Inc.
Well Name and No. Petrowskey #1 Dst No. 3 Interval Tested 4261'-4299'
County Pratt State Kansas Sec. 23 Twp. 26S Rg. 14W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
Gas to surface in 27 minutes. PRE FLOW						
10 min.	26" water	1/4" orifice				8,560 CFPD
20 min.	30" water	1/4" orifice				9,200 CFPD
30 min.	5" water	1/2" orifice				14,100 CFPD

SECOND FLOW

10 min.	6" water	1/2" orifice				15,400 CFPD
20 min.	5" water	1/2" orifice				14,100 CFPD
30 min.	4" water	1/2" orifice				12,500 CFPD
40 min.	4" water	1/2" orifice				12,500 CFPD
50 min.	4" water	1/2" orifice				12,500 CFPD
60 min.	4" water	1/2" orifice				12,500 CFPD
70 min.	3" water	1/2" orifice				10,900 CFPD
80 min.	3" water	1/2" orifice				10,900 CFPD
90 min.	3" water	1/2" orifice				10,900 CFPD

GAS BOTTLE

Serial No. 624 Date Bottle Filled 7/15/78 Date to be Invoiced 7/15/78

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Texas Energies, Inc.

Authorized by Toby Elster

WESTERN TESTING CO., INC.

Pressure Data

Date 7/15/78 Test Ticket No. 792
 Recorder No. 969 Capacity 4150 Location 4289 Ft.
 Clock No. ----- Elevation ----- Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2158 P.S.I.	Open Tool	8:30P M	
B First Initial Flow Pressure	80 P.S.I.	First Flow Pressure	60 Mins.	60 Mins.
C First Final Flow Pressure	64 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1249 P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E Second Initial Flow Pressure	70 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	60 P.S.I.			
G Final Closed-in Pressure	1222 P.S.I.			
H Final Hydrostatic Mud	2137 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	80	0	64	0	70	0	60
P 2 5	70	3	248	5	57	3	176
P 3 10	66	6	439	10	55	6	322
P 4 15	64	9	568	15	54	9	471
P 5 20	64	12	662	20	54	12	582
P 6 25	64	15	752	25	54	15	671
P 7 30	64	18	837	30	54	18	744
P 8 35	64	21	900	35	54	21	801
P 9 40	64	24	949	40	54	24	848
P10 45	64	27	992	45	55	27	885
P11 50	64	30	1027	50	58	30	920
P12 55	64	33	1065	55	58	33	953
P13 60	64	36	1088	60	58	36	984
P14		39	1117	65	58	39	1006
P15		42	1142	70	59	42	1027
P16		45	1164	75	59	45	1050
P17		48	1185	80	60	48	1072
P18		51	1203	85	60	51	1089
P19		54	1222	90	60	54	1107
P20		57	1236			57	1119
		60	1249			60	1132

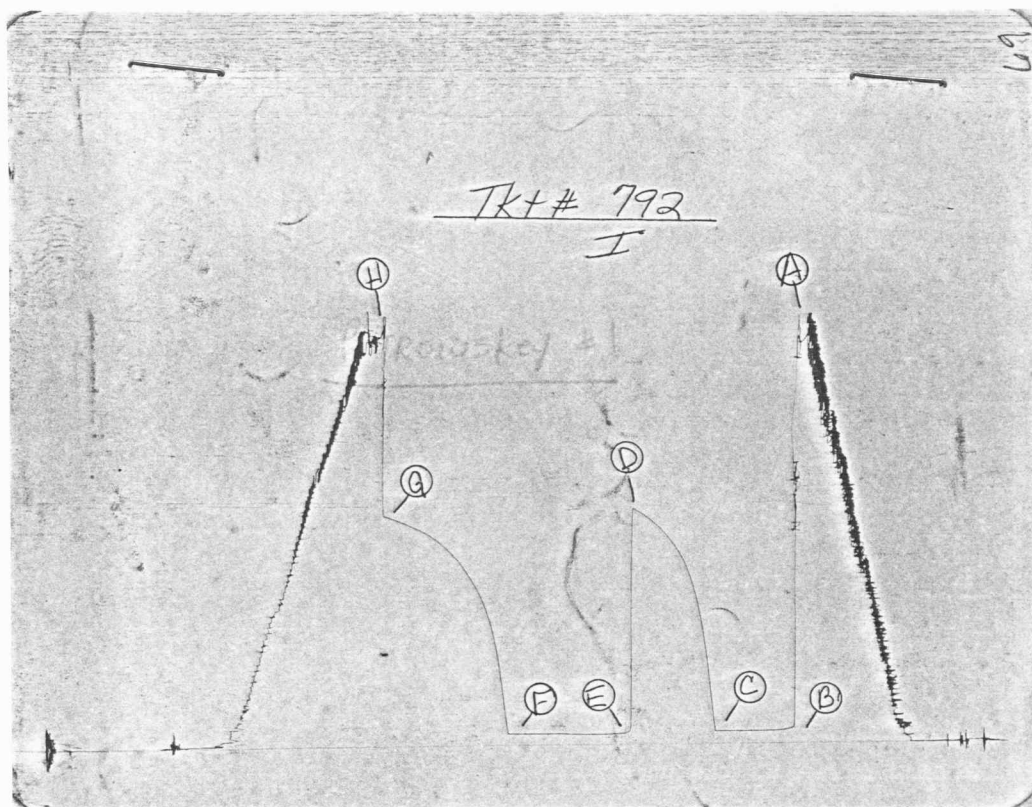
WESTERN TESTING CO., INC.

Pressure Data

Date 7/15/78 Test Ticket No. 792
 Recorder No. 969 Capacity 4150 Location 4289 Ft.
 Clock No. ----- Elevation ----- Well Temperature 128 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2158 P.S.I. Open Tool 8:30P M
 B First Initial Flow Pressure 80 P.S.I. First Flow Pressure 60 Mins. 60 Mins.
 C First Final Flow Pressure 64 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 1249 P.S.I. Second Flow Pressure 90 Mins. 90 Mins.
 E Second Initial Flow Pressure 70 P.S.I. Final Closed-in Pressure 90 Mins. 90 Mins.
 F Second Final Flow Pressure 60 P.S.I.
 G Final Closed-in Pressure 1222 P.S.I.
 H Final Hydrostatic Mud 2137 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>30</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1143
P 2						66	1154
P 3						69	1164
P 4						72	1175
P 5						75	1183
P 6						78	1192
P 7						81	1201
P 8						84	1210
P 9						87	1218
P10						90	1222
P11							
P12							
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	2147	2158	PSI
(B) First Initial Flow Pressure	81	80	PSI
(C) First Final Flow Pressure	71	64	PSI
(D) Initial Closed-in Pressure	1240	1249	PSI
(E) Second Initial Flow Pressure	71	70	PSI
(F) Second Final Flow Pressure	61	60	PSI
(G) Final Closed-in Pressure	1209	1222	PSI
(H) Final Hydrostatic Mud	2126	2137	PSI



Home Office: Wichita, Kansas 67201

P. O. Box 1599

(316) 838-0601

Texas Energies, Inc.

Petrowskey #1

Company _____ Lease & Well No. _____

Elevation _____ Formation Mississippi Effective Pay _____ Ft. Ticket No. 793

Date 7/15/78 Sec. 23 Twp. 26S Range 14W County Pratt State Kansas

Test Approved by Toby Elster Western Representative Jim Wondra

Formation Test No. 4 Interval Tested from 4299' ft. to 4334' ft. Total Depth 4334' ft.

Packer Depth 4294 ft. Size 6 3/4 in. Packer Depth 4299 ft. Size 6 3/4 in.

Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 4324 ft. Recorder Number 969 Cap. 4150

Bottom Recorder Depth (Outside) 4327 ft. Recorder Number 2603 Cap. 4400

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

Drilling Contractor Gabbert - Jones #6 Drill Collar Length 155 I. D. 2 1/4 in.

Mud Type premix Viscosity 45 Weight Pipe Length -- I. D. -- in.

Weight 9.3 Water Loss 9.5 cc. Drill Pipe Length 4118 I. D. 3.8 in.

Chlorides 29,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.

Jars: Make WTC Serial Number 410 Anchor Length 35 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.

Blow: Strong blow throughout test.

Recovered 130 ft. of gassy oil cut mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s) 3:15 ~~AM~~ P.M. Time Started Off Bottom 8:15 ~~AM~~ P.M. Maximum Temperature 129

Initial Hydrostatic Pressure _____ (A) 2242 P.S.I.

Initial Flow Period _____ Minutes 60 (B) 70 P.S.I. to (C) 85 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 881 P.S.I.

Final Flow Period _____ Minutes 90 (E) 92 P.S.I. to (F) 105 P.S.I.

Final Closed In Period _____ Minutes 90 (G) 813 P.S.I.

Final Hydrostatic Pressure _____ (H) 2196 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7/15/78 Test Ticket No. 793
 Recorder No. 969 Capacity 4150 Location 4324 Ft.
 Clock No. -- Elevation -- Well Temperature 129 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2242 P.S.I. Open Tool 3:15P M
 B First Initial Flow Pressure 70 P.S.I. First Flow Pressure 60 Mins. 60 Mins.
 C First Final Flow Pressure 85 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.
 D Initial Closed-in Pressure 881 P.S.I. Second Flow Pressure 90 Mins. 90 Mins.
 E Second Initial Flow Pressure 92 P.S.I. Final Closed-in Pressure 90 Mins. 87 Mins.
 F Second Final Flow Pressure 105 P.S.I.
 G Final Closed-in Pressure 813 P.S.I.
 H Final Hydrostatic Mud 2196 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>29</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>70</u>	<u>0</u>	<u>85</u>	<u>0</u>	<u>92</u>	<u>0</u>	<u>105</u>
P 2 <u>5</u>	<u>61</u>	<u>3</u>	<u>127</u>	<u>5</u>	<u>85</u>	<u>3</u>	<u>134</u>
P 3 <u>10</u>	<u>61</u>	<u>6</u>	<u>180</u>	<u>10</u>	<u>88</u>	<u>6</u>	<u>174</u>
P 4 <u>15</u>	<u>62</u>	<u>9</u>	<u>231</u>	<u>15</u>	<u>89</u>	<u>9</u>	<u>217</u>
P 5 <u>20</u>	<u>65</u>	<u>12</u>	<u>282</u>	<u>20</u>	<u>90</u>	<u>12</u>	<u>254</u>
P 6 <u>25</u>	<u>67</u>	<u>15</u>	<u>342</u>	<u>25</u>	<u>92</u>	<u>15</u>	<u>287</u>
P 7 <u>30</u>	<u>72</u>	<u>18</u>	<u>391</u>	<u>30</u>	<u>93</u>	<u>18</u>	<u>320</u>
P 8 <u>35</u>	<u>74</u>	<u>21</u>	<u>445</u>	<u>35</u>	<u>94</u>	<u>21</u>	<u>351</u>
P 9 <u>40</u>	<u>77</u>	<u>24</u>	<u>494</u>	<u>40</u>	<u>95</u>	<u>24</u>	<u>383</u>
P10 <u>45</u>	<u>80</u>	<u>27</u>	<u>539</u>	<u>45</u>	<u>96</u>	<u>27</u>	<u>406</u>
P11 <u>50</u>	<u>83</u>	<u>30</u>	<u>583</u>	<u>50</u>	<u>97</u>	<u>30</u>	<u>434</u>
P12 <u>55</u>	<u>84</u>	<u>33</u>	<u>619</u>	<u>55</u>	<u>98</u>	<u>33</u>	<u>463</u>
P13 <u>60</u>	<u>85</u>	<u>36</u>	<u>658</u>	<u>60</u>	<u>99</u>	<u>36</u>	<u>494</u>
P14		<u>39</u>	<u>699</u>	<u>65</u>	<u>100</u>	<u>39</u>	<u>519</u>
P15		<u>42</u>	<u>734</u>	<u>70</u>	<u>101</u>	<u>42</u>	<u>545</u>
P16		<u>45</u>	<u>764</u>	<u>75</u>	<u>102</u>	<u>45</u>	<u>575</u>
P17		<u>48</u>	<u>793</u>	<u>80</u>	<u>103</u>	<u>48</u>	<u>600</u>
P18		<u>51</u>	<u>824</u>	<u>85</u>	<u>104</u>	<u>51</u>	<u>625</u>
P19		<u>54</u>	<u>850</u>	<u>90</u>	<u>105</u>	<u>54</u>	<u>649</u>
P20		<u>57</u>	<u>872</u>			<u>57</u>	<u>670</u>
WTC - 4		<u>60</u>	<u>881</u>			<u>60</u>	<u>691</u>

continued next page

WESTERN TESTING CO., INC.

Pressure Data

Date 7/15/78 Test Ticket No. 793

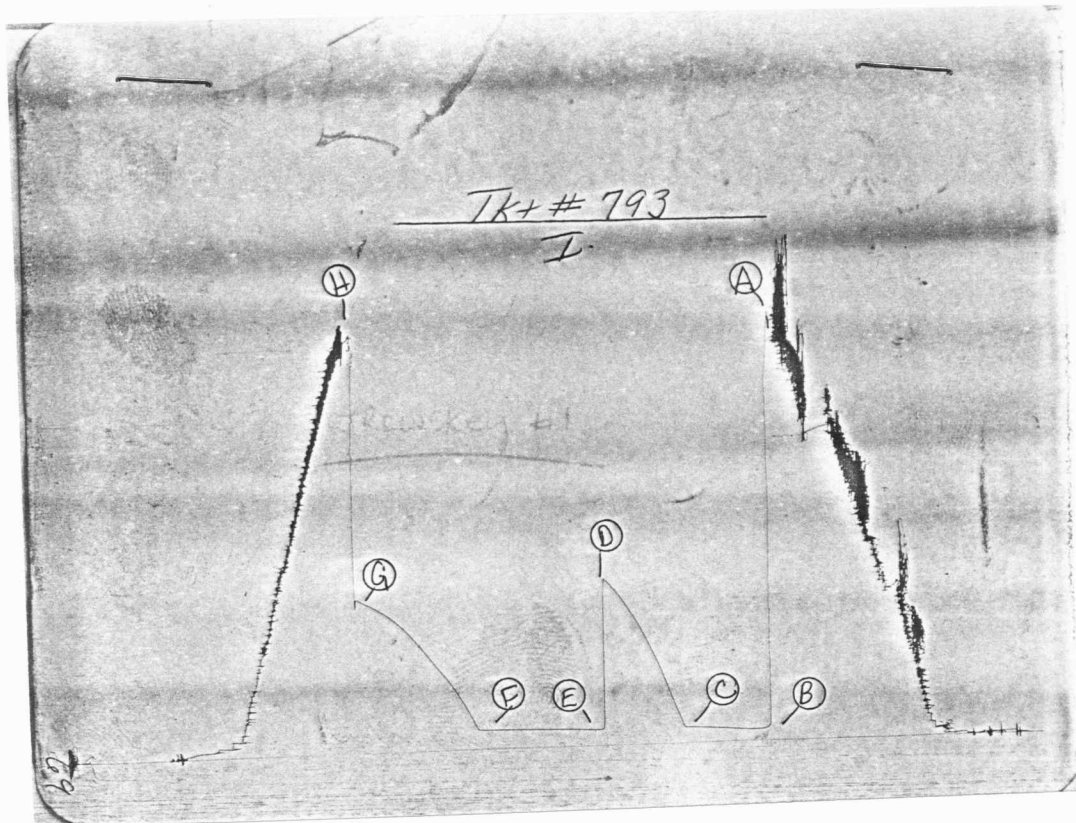
Recorder No. 969 Capacity 4150 Location 4324 Ft.

Clock No. -- Elevation -- Well Temperature 129 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2242 P.S.I.	Open Tool	3:15P	M
B First Initial Flow Pressure	70 P.S.I.	First Flow Pressure	60 Mins.	60 Mins.
C First Final Flow Pressure	85 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	881 P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E Second Initial Flow Pressure	92 P.S.I.	Final Closed-in Pressure	90 Mins.	87 Mins.
F Second Final Flow Pressure	105 P.S.I.			
G Final Closed-in Pressure	813 P.S.I.			
H Final Hydrostatic Mud	2196 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>29</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	708
P 2						66	725
P 3						69	739
P 4						72	754
P 5						75	768
P 6						78	781
P 7						81	792
P 8						84	803
P 9						87	813
P10							
P11							
P12							
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	2200	2242	PSI
(B) First Initial Flow Pressure	61	70	PSI
(C) First Final Flow Pressure	71	85	PSI
(D) Initial Closed-in Pressure	870	881	PSI
(E) Second Initial Flow Pressure	71	92	PSI
(F) Second Final Flow Pressure	92	105	PSI
(G) Final Closed-in Pressure	799	813	PSI
(H) Final Hydrostatic Mud	2179	2196	PSI



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

Company Texas Energies, Inc. Lease & Well No. Petrowskey #1
Elevation ----- Formation ----- Effective Pay ----- Ft. Ticket No. 794
Date 7/17/78 Sec. 23 Twp. 26S Range 14W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Jim Wondra
Formation Test No. 5 Interval Tested from 4434' ft. to 4470' ft. Total Depth 4470' ft.
Packer Depth 4429' ft. Size 6 3/4 in. Packer Depth 4434' ft. Size 6 3/4 in.
Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set -----
Top Recorder Depth (Inside) 4460 ft. Recorder Number 969 Cap. 4150
Bottom Recorder Depth (Outside) 4463 ft. Recorder Number 2603 Cap. 4400
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --
Drilling Contractor Gabbert - Jones #6 Drill Collar Length 155 I. D. 2 1/4 in.
Mud Type premix Viscosity 45 Weight Pipe Length -- I. D. -- in.
Weight 9.3 Water Loss 16.4 cc. Drill Pipe Length 4258 I. D. 3.8 in.
Chlorides 30,000 P.P.M. Test Tool Size 5 1/2 OD in. Tool Joint Size 4 1/2 FH in.
Jars: Make -- Serial Number -- Anchor Length 36 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.

Blow: Strong blow throughout initial flow period. Weak blow. Died in 28 minutes on second opening.

Recovered 110 ft. of drilling mud

Recovered 2680 ft. of salt water. Chlorides checked (46,500 PPM)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:35 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 5:35 ~~P.M.~~ ^{A.M.} Maximum Temperature 133
Initial Hydrostatic Pressure (A) 2295 P.S.I.
Initial Flow Period Minutes 30 (B) 838 P.S.I. to (C) 1309 P.S.I.
Initial Closed In Period Minutes 30 (D) 1323 P.S.I.
Final Flow Period Minutes 30 (E) 1323 P.S.I. to (F) 1338 P.S.I.
Final Closed In Period Minutes 30 (G) 1339 P.S.I.
Final Hydrostatic Pressure (H) 2243 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7/17/78 Test Ticket No. 794
 Recorder No. 969 Capacity 4150 Location 4460 Ft.
 Clock No. -- Elevation --- Well Temperature 133 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	2295 P.S.I.	3:35A	M
B First Initial Flow Pressure	838 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	1309 P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1323 P.S.I.	30 Mins.	30 Mins.
E Second Initial Flow Pressure	1323 P.S.I.	30 Mins.	27 Mins.
F Second Final Flow Pressure	1338 P.S.I.		
G Final Closed-in Pressure	1339 P.S.I.		
H Final Hydrostatic Mud	2243 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In

Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

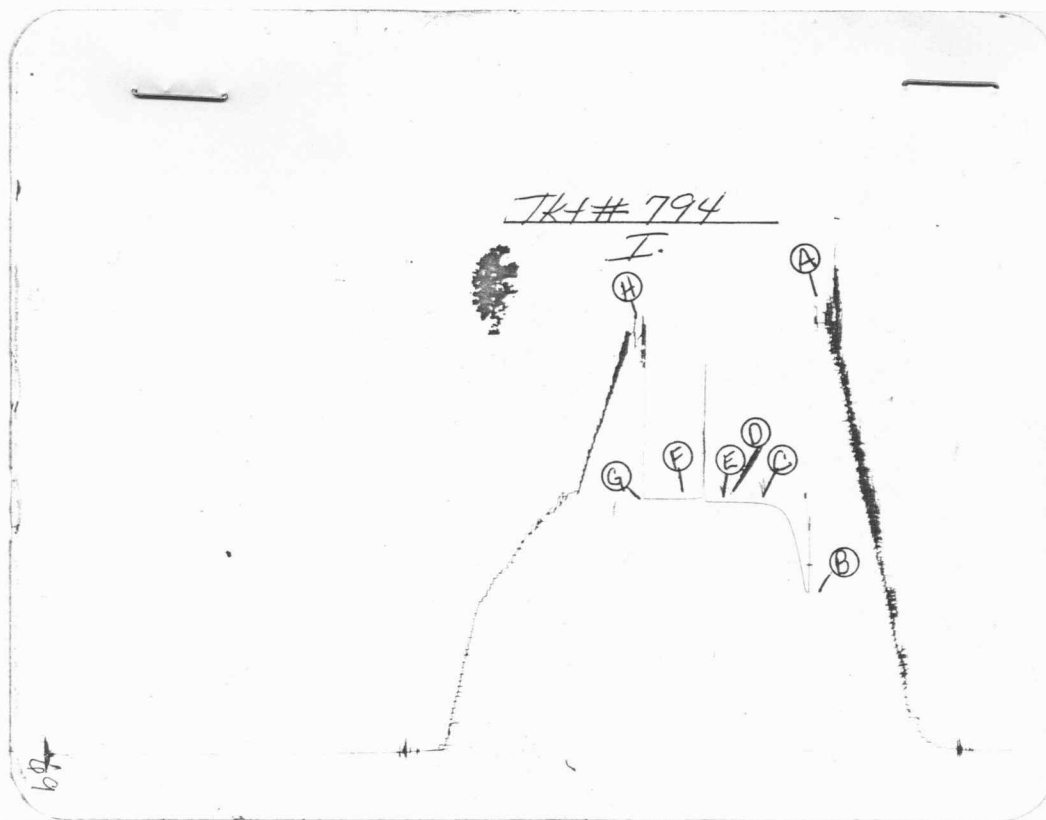
Second Flow Pressure

Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In

Breakdown: 9 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	838	0	1309	0	1323	0	1338
P 2 5	943	3	1314	5	1324	3	1338
P 3 10	1117	6	1317	10	1325	6	1338
P 4 15	1228	9	1318	15	1346	9	1338
P 5 20	1275	12	1320	20	1339	12	1338
P 6 25	1298	15	1321	25	1338	15	1338
P 7 30	1309	18	1321	30	1338	18	1339
P 8		21	1322			21	1339
P 9		24	1322			24	1339
P10		27	1323			27	1339
P11		30	1323				
P12							
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	2295	2295	PSI
(B) First Initial Flow Pressure	829	838	PSI
(C) First Final Flow Pressure	840	1309	PSI
(D) Initial Closed-in Pressure	1333	1323	PSI
(E) Second Initial Flow Pressure	--	1323	PSI
(F) Second Final Flow Pressure	--	1338	PSI
(G) Final Closed-in Pressure	1333	1339	PSI
(H) Final Hydrostatic Mud	2274	2243	PSI