



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Texas Energies, Inc. Lease & Well No. Hoener #1
Elevation ---- Formation Howard Effective Pay --- Ft. Ticket No. 9096
Date 1/20/81 Sec. 19 Twp 26S Range 12W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Jeff Piotrowski
Formation Test No. 1 Interval Tested from 3105 ft. to 3152 ft. Total Depth 3152 ft.
Packer Depth 3100 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3105 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3108 ft. Recorder Number 5673 Cap. 5400
Bottom Recorder Depth (Outside) 3149 ft. Recorder Number 1565 Cap. 4900
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Gabbert-Jones Drlg. Rig #9 Drill Collar Length - I. D. - in.
Mud Type starch Viscosity 40 Weight Pipe Length - I. D. - in.
Weight 9.4 Water Loss N/C cc. Drill Pipe Length 3085 I. D. 3.8 in.
Chlorides 90,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length DC 27 20 ft. Size 5 1/2 OD in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak throughout test.

Recovered 130 ft. of gas cut mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s) 9:15 A.M. Time Started Off Bottom 1:45 A.M. Maximum Temperature 110°
Initial Hydrostatic Pressure 1546 P.S.I.
Initial Flow Period 60 Minutes (B) 52 P.S.I. to (C) 38 P.S.I.
Initial Closed In Period 60 Minutes (D) 757 P.S.I.
Final Flow Period 60 Minutes (E) 77 P.S.I. to (F) 67 P.S.I.
Final Closed In Period 60 Minutes (G) 648 P.S.I.
Final Hydrostatic Pressure 1546 P.S.I. (H)

WESTERN TESTING CO., INC.

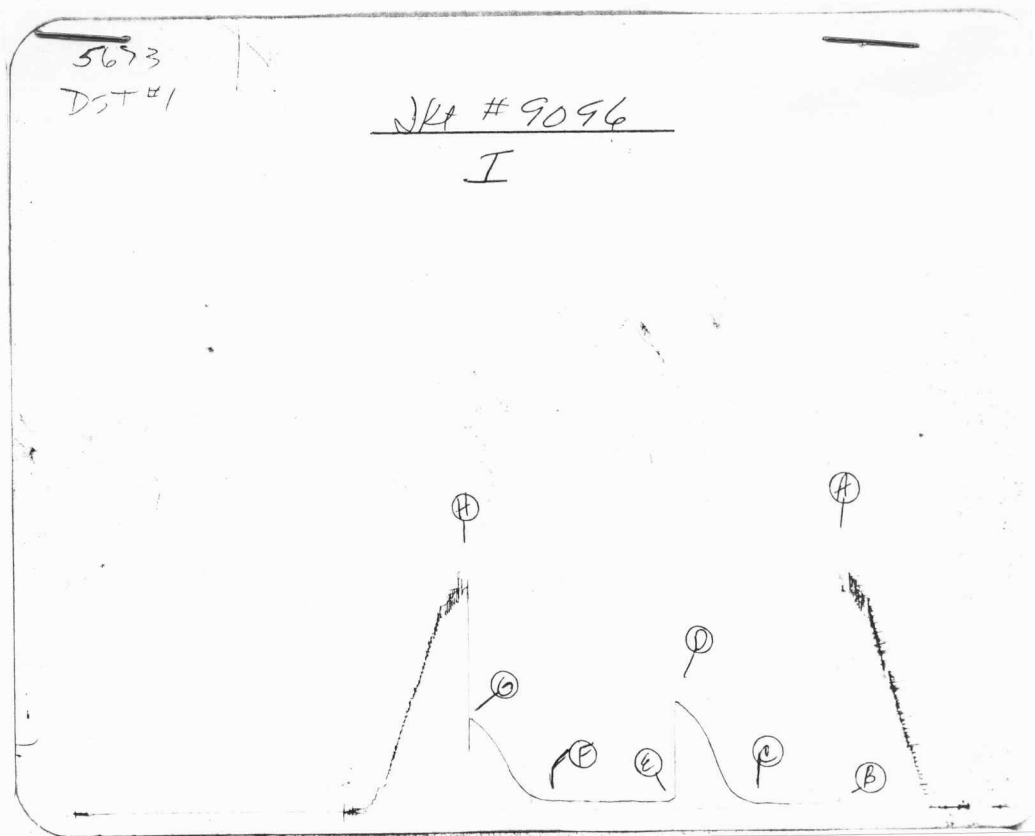
Pressure Data

Date 1/20/81 Test Ticket No. 9096
 Recorder No. 5673 Capacity 5400 Location 3108 Ft.
 Clock No. --- Elevation ---- Well Temperature 110 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1546</u>	P.S.I.	<u>9:15A</u>	<u>M</u>
B First Initial Flow Pressure	<u>52</u>	P.S.I.	<u>60</u>	<u>Mins.</u>
C First Final Flow Pressure	<u>38</u>	P.S.I.	<u>60</u>	<u>Mins.</u>
D Initial Closed-in Pressure	<u>757</u>	P.S.I.	<u>90</u>	<u>Mins.</u>
E Second Initial Flow Pressure	<u>77</u>	P.S.I.	<u>60</u>	<u>Mins.</u>
F Second Final Flow Pressure	<u>67</u>	P.S.I.		
G Final Closed-in Pressure	<u>648</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1546</u>	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>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>52</u>	<u>0</u>	<u>38</u>	<u>0</u>	<u>77</u>	<u>0</u>	<u>67</u>
P 2 <u>5</u>	<u>41</u>	<u>3</u>	<u>43</u>	<u>5</u>	<u>60</u>	<u>3</u>	<u>70</u>
P 3 <u>10</u>	<u>33</u>	<u>6</u>	<u>52</u>	<u>10</u>	<u>57</u>	<u>6</u>	<u>76</u>
P 4 <u>15</u>	<u>33</u>	<u>9</u>	<u>63</u>	<u>15</u>	<u>57</u>	<u>9</u>	<u>82</u>
P 5 <u>20</u>	<u>33</u>	<u>12</u>	<u>77</u>	<u>20</u>	<u>57</u>	<u>12</u>	<u>96</u>
P 6 <u>25</u>	<u>33</u>	<u>15</u>	<u>90</u>	<u>25</u>	<u>57</u>	<u>15</u>	<u>109</u>
P 7 <u>30</u>	<u>33</u>	<u>18</u>	<u>117</u>	<u>30</u>	<u>62</u>	<u>18</u>	<u>131</u>
P 8 <u>35</u>	<u>33</u>	<u>21</u>	<u>150</u>	<u>35</u>	<u>62</u>	<u>21</u>	<u>164</u>
P 9 <u>40</u>	<u>33</u>	<u>24</u>	<u>199</u>	<u>40</u>	<u>62</u>	<u>24</u>	<u>197</u>
P10 <u>45</u>	<u>35</u>	<u>27</u>	<u>265</u>	<u>45</u>	<u>57</u>	<u>27</u>	<u>232</u>
P11 <u>50</u>	<u>38</u>	<u>30</u>	<u>336</u>	<u>50</u>	<u>57</u>	<u>30</u>	<u>281</u>
P12 <u>55</u>	<u>41</u>	<u>33</u>	<u>421</u>	<u>55</u>	<u>59</u>	<u>33</u>	<u>350</u>
P13 <u>60</u>	<u>38</u>	<u>36</u>	<u>486</u>	<u>60</u>	<u>59</u>	<u>36</u>	<u>404</u>
P14		<u>39</u>	<u>541</u>	<u>65</u>	<u>63</u>	<u>39</u>	<u>454</u>
P15		<u>42</u>	<u>593</u>	<u>70</u>	<u>63</u>	<u>42</u>	<u>495</u>
P16		<u>45</u>	<u>631</u>	<u>75</u>	<u>65</u>	<u>45</u>	<u>530</u>
P17		<u>48</u>	<u>661</u>	<u>80</u>	<u>65</u>	<u>48</u>	<u>566</u>
P18		<u>51</u>	<u>691</u>	<u>85</u>	<u>67</u>	<u>51</u>	<u>596</u>
P19		<u>54</u>	<u>716</u>	<u>90</u>	<u>67</u>	<u>54</u>	<u>620</u>
P20		<u>57</u>	<u>738</u>			<u>57</u>	<u>637</u>
		<u>60</u>	<u>757</u>			<u>60</u>	<u>648</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	1552	1546
(B) First Initial Flow Pressure	40	52
(C) First Final Flow Pressure	40	38
(D) Initial Closed-in Pressure	751	757
(E) Second Initial Flow Pressure	54	77
(F) Second Final Flow Pressure	68	67
(G) Final Closed-in Pressure	642	648
(H) Final Hydrostatic Mud	1552	1546

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Company Texas Energies, Inc. Lease & Well No. Hoener #1
Elevation ----- Formation Severy Sand Effective Pay - Ft. Ticket No. 8275
Date 1/21/81 Sec. 19 Twp. 26S Range 12W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Stuart Stover
Formation Test No. 2 Interval Tested from 3150 ft. to 3182 ft. Total Depth 3182 ft.
Packer Depth 3195 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3150 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3155 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3158 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Gabbert-Jones Drlg. Rig #9 Drill Collar Length 180 I. D. 2 1/4 in.
Mud Type - Viscosity 43 Weight Pipe Length - I. D. - in.
Weight 9.8 Water Loss 8.4 cc. Drill Pipe Length 2949 I. D. - in.
Chlorides 28,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
Jars: Make - Serial Number - Anchor Length 32 ft. Size 4 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak throughout test.

Recovered 300 ft. of salt water - Chlorides 140,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 11:20 A.M. P.M. Time Started Off Bottom 3:20 A.M. P.M. Maximum Temperature 106°
Initial Hydrostatic Pressure (A) 1581 P.S.I.
Initial Flow Period Minutes 60 (B) 44 P.S.I. to (C) 110 P.S.I.
Initial Closed In Period Minutes 51 (D) 874 P.S.I.
Final Flow Period Minutes 60 (E) 156 P.S.I. to (F) 169 P.S.I.
Final Closed In Period Minutes 57 (G) 871 P.S.I.
Final Hydrostatic Pressure (H) 1581 P.S.I.

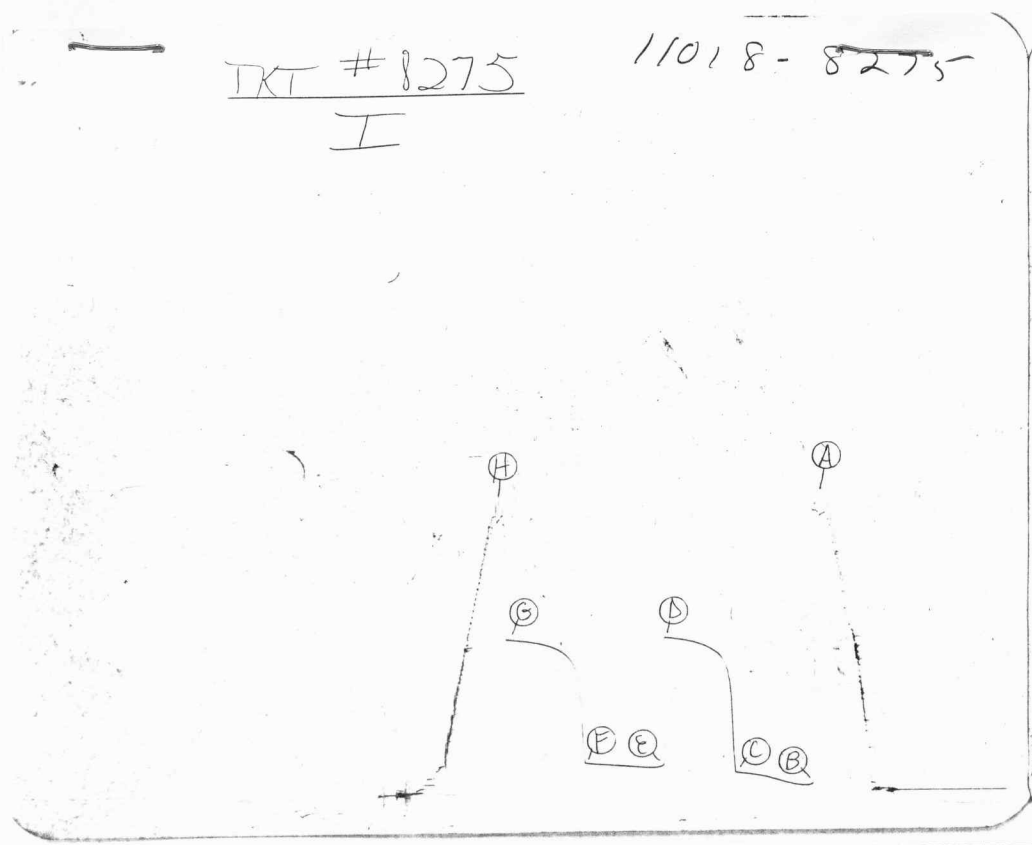
WESTERN TESTING CO., INC.

Pressure Data

Date 1/21/81 Recorder No. 11018 Capacity 4425 Test Ticket No. 8275
 Location 3155 Ft. Clock No. - Elevation - Well Temperature 106 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1581 P.S.I. Open Tool 11:20 M
 B First Initial Flow Pressure 44 P.S.I. First Flow Pressure 60 Mins. 60 Mins.
 C First Final Flow Pressure 110 P.S.I. Initial Closed-in Pressure 60 Mins. 51 Mins.
 D Initial Closed-in Pressure 874 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 156 P.S.I. Final Closed-in Pressure 60 Mins. 57 Mins.
 F Second Final Flow Pressure 169 P.S.I.
 G Final Closed-in Pressure 871 P.S.I.
 H Final Hydrostatic Mud 1581 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>17</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>19</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	44	0	110	0	156	0	169
P 2 5	32	3	560	5	142	3	542
P 3 10	35	6	708	10	140	6	692
P 4 15	42	9	763	15	142	9	743
P 5 20	51	12	784	20	147	12	770
P 6 25	62	15	800	25	150	15	794
P 7 30	72	18	814	30	152	18	808
P 8 35	84	21	825	35	155	21	820
P 9 40	91	24	834	40	159	24	827
P10 45	98	27	841	45	161	27	835
P11 50	103	30	849	50	163	30	842
P12 55	107	33	854	55	166	33	846
P13 60	110	36	858	60	169	36	850
P14		39	862			39	854
P15		42	864			42	858
P16		45	868			45	861
P17		48	870			48	863
P18		51	874			51	865
P19						54	868
P20						57	871



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1581	1581	PSI
(B) First Initial Flow Pressure	33	44	PSI
(C) First Final Flow Pressure	111	110	PSI
(D) Initial Closed-in Pressure	876	874	PSI
(E) Second Initial Flow Pressure	144	156	PSI
(F) Second Final Flow Pressure	166	169	PSI
(G) Final Closed-in Pressure	876	871	PSI
(H) Final Hydrostatic Mud	1581	1581	PSI



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Company Texas Energies, Inc. Lease & Well No. Hoener #1
Elevation - Formation Lansing Effective Pay - Ft. Ticket No. 9301
Date 1/22/81 Sec. 19 Twp. 26S Range 12W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Stuart Stover- Mark Auzat
Formation Test No. 3 Interval Tested from 3744 ft. to 3776 ft. Total Depth 3776 ft.
Packer Depth 3739 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3744 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3750 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3755 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Gabbert-Jones Rig #9 Drill Collar Length 180 I. D. 2 1/4 in.
Mud Type - Viscosity 39 Weight Pipe Length - I. D. - in.
Weight 9.9 Water Loss 14.4 cc. Drill Pipe Length 3540 I. D. 4.0 in.
Chlorides 30,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
Jars: Make - Serial Number - Anchor Length 32 ft. Size 4 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Died in 5 minutes. Flushed tool. Good surge- died in 5 minutes.

Recovered 65 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:45 A.M. P.M. Time Started Off Bottom 10:00 A.M. P.M. Maximum Temperature 106
Initial Hydrostatic Pressure (A) 1934 P.S.I.
Initial Flow Period Minutes 30 (B) 56 P.S.I. to (C) 61 P.S.I.
Initial Closed In Period Minutes 12 (D) 76 P.S.I.
Final Flow Period Minutes 15 (E) 71 P.S.I. to (F) 68 P.S.I.
Final Closed In Period Minutes 15 (G) 77 P.S.I.
Final Hydrostatic Pressure (H) 1923 P.S.I.

WESTERN TESTING CO., INC.

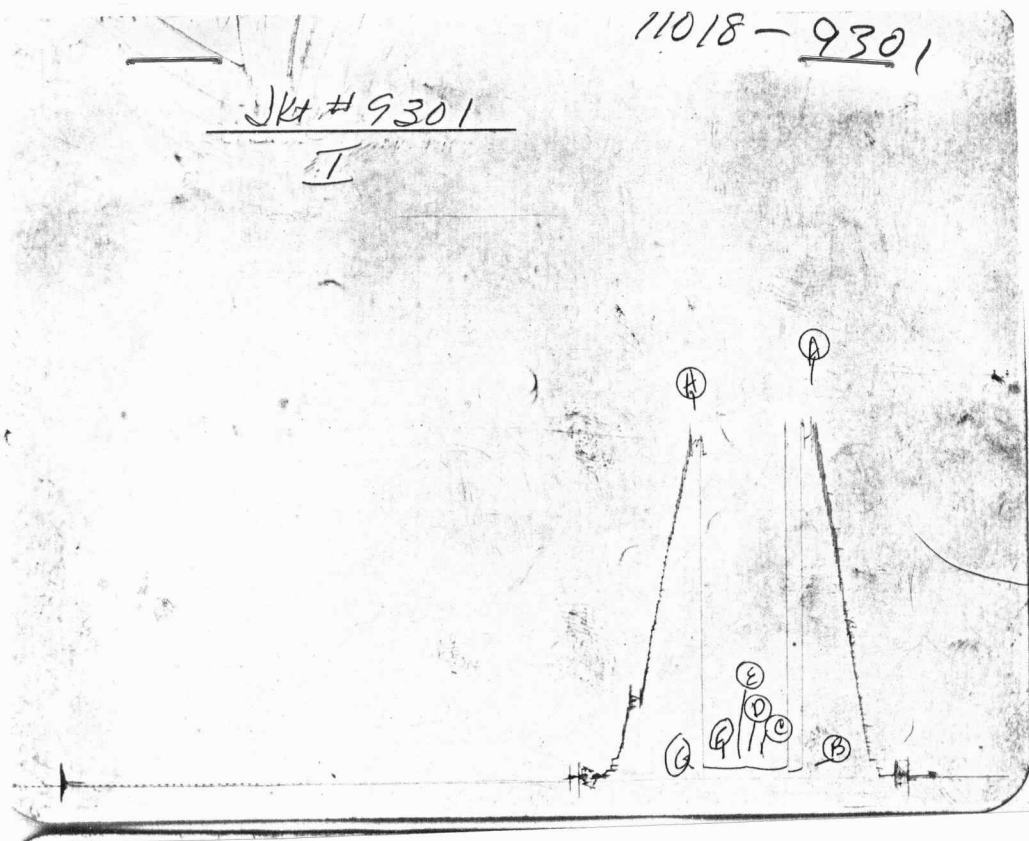
Pressure Data

Date 1/22/81 Test Ticket No. 9301
 Recorder No. 11018 Capacity 4425 Location 3750 Ft.
 Clock No. -- Elevation --- Well Temperature 106 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1934</u> P.S.I.	<u>8:45P</u> M	
B First Initial Flow Pressure	<u>56</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>61</u> P.S.I.	<u>15</u> Mins.	<u>12</u> Mins.
D Initial Closed-in Pressure	<u>76</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>71</u> P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
F Second Final Flow Pressure	<u>68</u> P.S.I.		
G Final Closed-in Pressure	<u>77</u> P.S.I.		
H Final Hydrostatic Mud	<u>1923</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>4</u> Inc.		Breakdown: <u>3</u> Inc.		Breakdown: <u>5</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>56</u>	<u>0</u>	<u>61</u>	<u>0</u>	<u>71</u>	<u>0</u>	<u>68</u>
P 2 <u>5</u>	<u>51</u>	<u>3</u>	<u>66</u>	<u>5</u>	<u>69</u>	<u>3</u>	<u>69</u>
P 3 <u>10</u>	<u>47</u>	<u>6</u>	<u>70</u>	<u>10</u>	<u>68</u>	<u>6</u>	<u>71</u>
P 4 <u>15</u>	<u>64</u>	<u>9</u>	<u>75</u>	<u>15</u>	<u>68</u>	<u>9</u>	<u>73</u>
P 5 <u>20</u>	<u>60</u>	<u>12</u>	<u>76</u>			<u>12</u>	<u>75</u>
P 6 <u>25</u>	<u>60</u>					<u>15</u>	<u>77</u>
P 7 <u>30</u>	<u>61</u>						
P 8							
P 9							
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	1933	1934	PSI
(B) First Initial Flow Pressure	55	56	PSI
(C) First Final Flow Pressure	55	61	PSI
(D) Initial Closed-in Pressure	66	76	PSI
(E) Second Initial Flow Pressure	55	71	PSI
(F) Second Final Flow Pressure	55	68	PSI
(G) Final Closed-in Pressure	66	77	PSI
(H) Final Hydrostatic Mud	1911	1923	PSI



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Company Texas Energies, Inc. Lease & Well No. Hoener #1
Elevation - Formation Lansing Effective Pay - Ft. Ticket No. 9302
Date 1/23/81 Sec. 19 Twp 26S Range 12W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Stuart Stover- Mark Auzat
Formation Test No. 4 Interval Tested from 3880 ft. to 3890 ft. Total Depth 3890 ft.
Packer Depth 3875 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3890 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3885 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 3890 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Gabbert-Jones Rig #9 Drill Collar Length 180 I. D. 2 3/4 in.
Mud Type - Viscosity 41 Weight Pipe Length - I. D. - in.
Weight 9.6 Water Loss 11.2 cc. Drill Pipe Length 3657 I. D. - in.
Chlorides 44,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
Jars: Make - Serial Number - Anchor Length 10 ft. Size 4 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow initial flow period. Slightly weaker on final flow period.

Recovered 1600 ft. of gas in pipe
Recovered 60 ft. of heavy oil & gas cut mud - 40% oil; 10% water; 50% mud
Recovered 60 ft. of heavy oil & gas cut muddy water
Recovered 720 ft. of gassy salt water - trace of oil Chlorides 150,000 PPM
Recovered - ft. of -

Remarks: -

Time Set Packer(s) 12:20 ~~A.M.~~ P.M. Time Started Off Bottom 4:20 ~~A.M.~~ P.M. Maximum Temperature 113
Initial Hydrostatic Pressure (A) 2078 P.S.I.
Initial Flow Period Minutes 55 (B) 100 P.S.I. to (C) 233 P.S.I.
Initial Closed In Period Minutes 57 (D) 1229 P.S.I.
Final Flow Period Minutes 55 (E) 282 P.S.I. to (F) 360 P.S.I.
Final Closed In Period Minutes 54 (G) 1156 P.S.I.
Final Hydrostatic Pressure (H) 2016 P.S.I.

WESTERN TESTING CO., INC.

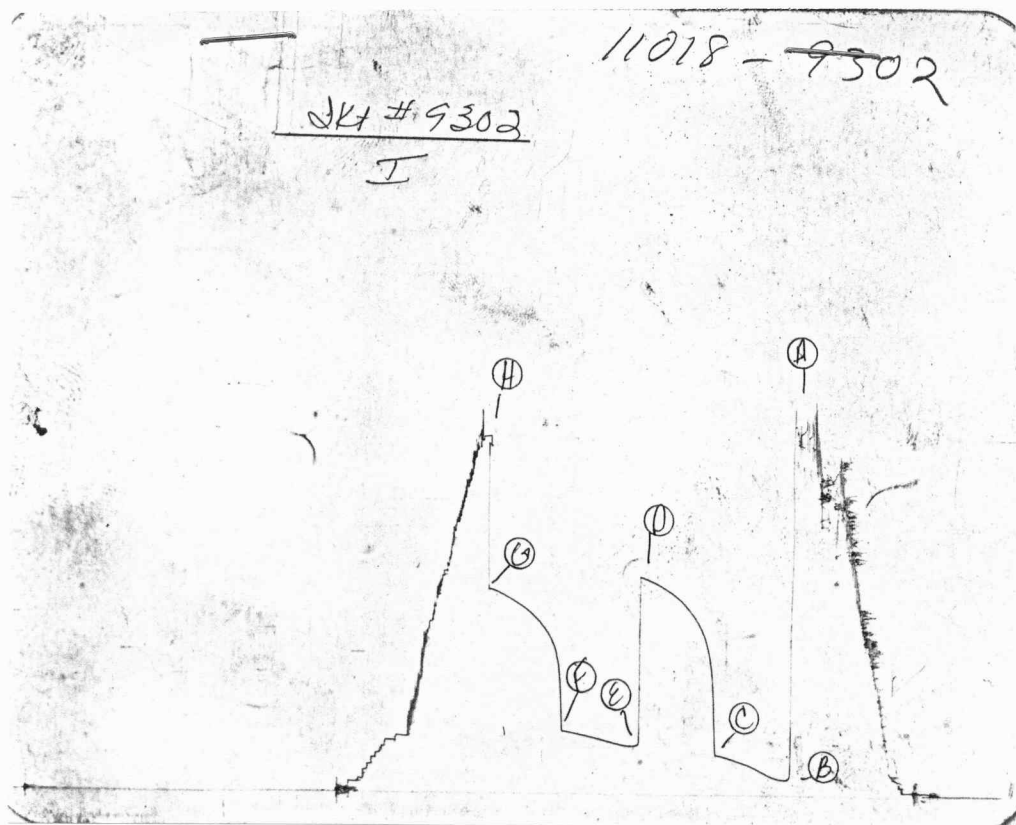
Pressure Data

Date 1/23/81 Test Ticket No. 9302
 Recorder No. 11018 Capacity 4425 Location 3885 Ft.
 Clock No. Elevation Well Temperature 113 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2078	P.S.I.	12:20P	M
B First Initial Flow Pressure	100	P.S.I.	60	Mins. 55 Mins.
C First Final Flow Pressure	233	P.S.I.	60	Mins. 57 Mins.
D Initial Closed-in Pressure	1229	P.S.I.	60	Mins. 55 Mins.
E Second Initial Flow Pressure	282	P.S.I.	60	Mins. 54 Mins.
F Second Final Flow Pressure	360	P.S.I.		
G Final Closed-in Pressure	1156	P.S.I.		
H Final Hydrostatic Mud	2016	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In		
Breakdown: <u>11</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>18</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	233	0	282	0	360
P 2	5	98	3	708	5	281	3	732
P 3	10	102	6	823	10	282	6	834
P 4	15	118	9	898	15	291	9	883
P 5	20	138	12	951	20	300	12	918
P 6	25	158	15	993	25	309	15	951
P 7	30	173	18	1022	30	320	18	980
P 8	35	189	21	1053	35	329	21	1002
P 9	40	200	24	1082	40	336	24	1024
P10	45	215	27	1104	45	344	27	1044
P11	50	224	30	1126	50	351	30	1059
P12	55	233	33	1141	55	360	33	1075
P13			36	1156			36	1090
P14			39	1172			39	1104
P15			42	1185			42	1115
P16			45	1196			45	1126
P17			48	1207			48	1139
P18			51	1218			51	1148
P19			54	1227			54	1156
P20			57	1229				



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2077	2078	PSI
(B) First Initial Flow Pressure	88	99	PSI
(C) First Final Flow Pressure	222	233	PSI
(D) Initial Closed-in Pressure	1218	1229	PSI
(E) Second Initial Flow Pressure	277	282	PSI
(F) Second Final Flow Pressure	355	360	PSI
(G) Final Closed-in Pressure	1151	1156	PSI
(H) Final Hydrostatic Mud	2022	2016	PSI



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Texas Energies, Inc. Lease & Well No. Hoener #1
Elevation - Formation Viola-Simpson Effective Pay - Ft. Ticket No. 9303
Date 1/25/81 Sec. 19 Twp. 26S Range 12W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Stuart Stover
Formation Test No. 5 Interval Tested from 4200 ft. to 4255 ft. Total Depth 4255 ft.
Packer Depth 4195 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4200 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4220 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 4255 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Gabbert-Jones Rig #9 Drill Collar Length 210 I. D. 2 1/4 in.
Mud Type - Viscosity 64 Weight Pipe Length - I. D. - in.
Weight 9.9 Water Loss 8.0 cc. Drill Pipe Length - I. D. - in.
Chlorides 29,000 P.P.M. Test Tool Length 25 ft. Tool Size 3 1/2 in.
Jars: Make WTC Serial Number 3660 Anchor Length 55 ft. Size 4 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Fair - slow increase throughout test.

Recovered 60 ft. of drilling mud
Recovered 120 ft. of muddy water Chlorides 78,000 PPM
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

Time Set Packer(s) 12:15 ~~A.M.~~ P.M. Time Started Off Bottom 4:15 ~~A.M.~~ P.M. Maximum Temperature 119
Initial Hydrostatic Pressure 2244 P.S.I. (A)
Initial Flow Period 60 Minutes (B) 89 P.S.I. to (C) 84 P.S.I.
Initial Closed In Period 66 Minutes (D) 664 P.S.I.
Final Flow Period 65 Minutes (E) 133 P.S.I. to (F) 136 P.S.I.
Final Closed In Period 60 Minutes (G) 580 P.S.I.
Final Hydrostatic Pressure 2211 P.S.I. (H)

WESTERN TESTING CO., INC.
Pressure Data

Date 1/25/81 Test Ticket No. 9303
Recorder No. 11018 Capacity 4425 Location 4220 Ft.
Clock No. - Elevation --- Well Temperature 119 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2244</u> P.S.I.	Open Tool	<u>12:15P</u> M	
B First Initial Flow Pressure	<u>89</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
C First Final Flow Pressure	<u>84</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>66</u> Mins.
D Initial Closed-in Pressure	<u>664</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>65</u> Mins.
E Second Initial Flow Pressure	<u>133</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>136</u> P.S.I.			
G Final Closed-in Pressure	<u>580</u> P.S.I.			
H Final Hydrostatic Mud	<u>2211</u> P.S.I.			

PRESSURE BREAKDOWN

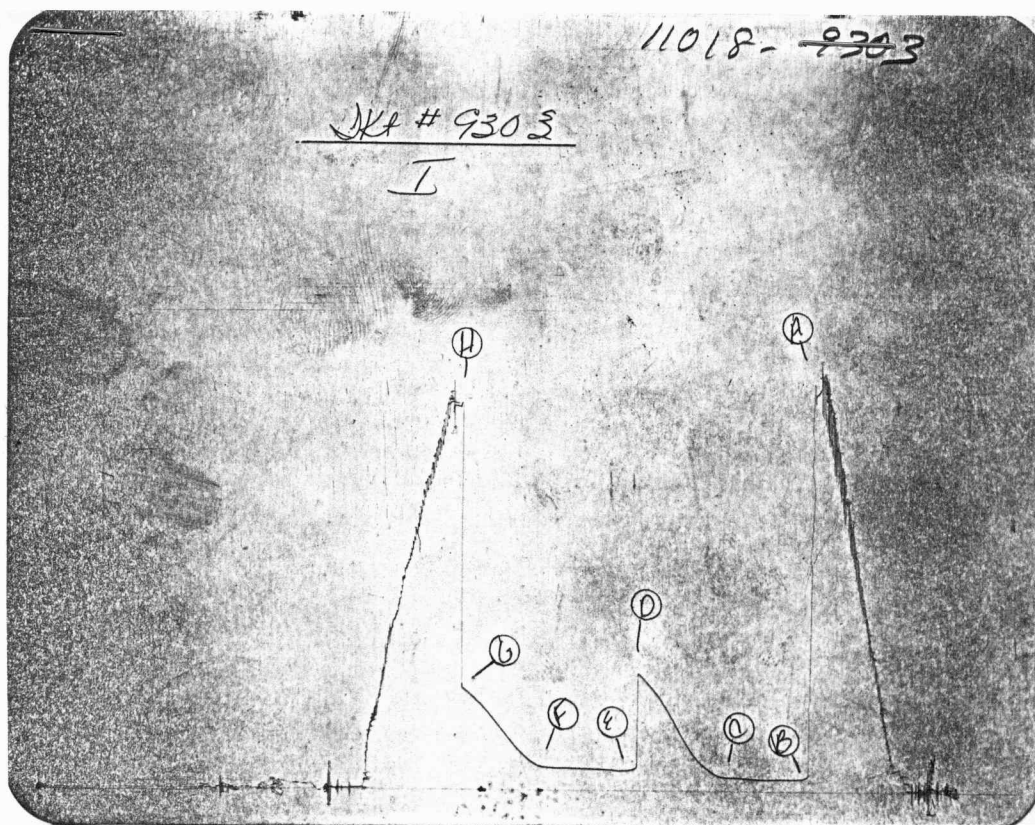
First Flow Pressure
Breakdown: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 22 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 13 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 20 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 <u>0</u>	<u>89</u>	<u>0</u>	<u>84</u>	<u>0</u>	<u>133</u>	<u>0</u>	<u>136</u>
P 2 <u>5</u>	<u>78</u>	<u>3</u>	<u>91</u>	<u>5</u>	<u>122</u>	<u>3</u>	<u>140</u>
P 3 <u>10</u>	<u>76</u>	<u>6</u>	<u>100</u>	<u>10</u>	<u>119</u>	<u>6</u>	<u>149</u>
P 4 <u>15</u>	<u>75</u>	<u>9</u>	<u>113</u>	<u>15</u>	<u>119</u>	<u>9</u>	<u>162</u>
P 5 <u>20</u>	<u>75</u>	<u>12</u>	<u>130</u>	<u>20</u>	<u>124</u>	<u>12</u>	<u>180</u>
P 6 <u>25</u>	<u>75</u>	<u>15</u>	<u>147</u>	<u>25</u>	<u>126</u>	<u>15</u>	<u>204</u>
P 7 <u>30</u>	<u>75</u>	<u>18</u>	<u>167</u>	<u>30</u>	<u>127</u>	<u>18</u>	<u>226</u>
P 8 <u>35</u>	<u>75</u>	<u>21</u>	<u>196</u>	<u>35</u>	<u>128</u>	<u>21</u>	<u>253</u>
P 9 <u>40</u>	<u>76</u>	<u>24</u>	<u>227</u>	<u>40</u>	<u>129</u>	<u>24</u>	<u>278</u>
P10 <u>45</u>	<u>80</u>	<u>27</u>	<u>262</u>	<u>45</u>	<u>130</u>	<u>27</u>	<u>304</u>
P11 <u>50</u>	<u>82</u>	<u>30</u>	<u>300</u>	<u>50</u>	<u>131</u>	<u>30</u>	<u>333</u>
P12 <u>55</u>	<u>84</u>	<u>33</u>	<u>336</u>	<u>55</u>	<u>131</u>	<u>33</u>	<u>362</u>
P13 <u>60</u>	<u>84</u>	<u>36</u>	<u>378</u>	<u>60</u>	<u>132</u>	<u>36</u>	<u>389</u>
P14		<u>39</u>	<u>418</u>	<u>65</u>	<u>136</u>	<u>39</u>	<u>416</u>
P15		<u>42</u>	<u>452</u>			<u>42</u>	<u>444</u>
P16		<u>45</u>	<u>489</u>			<u>45</u>	<u>473</u>
P17		<u>48</u>	<u>520</u>			<u>48</u>	<u>496</u>
P18		<u>51</u>	<u>551</u>			<u>51</u>	<u>515</u>
P19		<u>54</u>	<u>580</u>			<u>54</u>	<u>535</u>
P20		<u>57</u>	<u>602</u>			<u>57</u>	<u>555</u>
		<u>60</u>	<u>626</u>			<u>60</u>	<u>580</u>
		<u>63</u>	<u>648</u>				
		<u>66</u>	<u>664</u>				



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2244	2244	PSI
(B) First Initial Flow Pressure	66	89	PSI
(C) First Final Flow Pressure	77	84	PSI
(D) Initial Closed-in Pressure	665	664	PSI
(E) Second Initial Flow Pressure	111	133	PSI
(F) Second Final Flow Pressure	122	136	PSI
(G) Final Closed-in Pressure	577	580	PSI
(H) Final Hydrostatic Mud	2211	2211	PSI



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Company Texas Energies, Inc. Lease & Well No. Hoener #1
Elevation ---- Formation Arbuckle Effective Pay - Ft. Ticket No. 9304
Date 1/27/81 Sec. 19 Twp. 26S Range 12W County Pratt State Kansas
Test Approved by Toby Elster Western Representative Stuart Stover
Formation Test No. 6 Interval Tested from 4325 ft. to 4353 ft. Total Depth 4400 ft.
Packer Depth 4325 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4353 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 4330 ft. Recorder Number 11018 Cap. 4425
Bottom Recorder Depth (Outside) 4350 ft. Recorder Number 11019 Cap. 4500
Below Straddle Recorder Depth 4400 ft. Recorder Number - Cap. -
Drilling Contractor Gabbert-Jones Drilling Rig #9 Drill Collar Length 240 I. D. 2 1/4 in.
Mud Type - Viscosity 45 Weight Pipe Length - I. D. - in.
Weight 9.6 Water Loss 6.4 cc. Drill Pipe Length 4080 I. D. 4.0 in.
Chlorides 36,000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.
Jars: Make WTC Serial Number 3660 Anchor Length 28 ft. Size 4 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong. Gas to surface in twenty minutes on final flow. Not measureable.

Recovered 475 ft. of clean gassy oil 41° gravity

Recovered 510 ft. of muddy gassy oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set	Packer(s)	4:50	A.M.	P.M.	Time Started	Off Bottom	8:50	A.M.	P.M.	Maximum Temperature	120°
Initial Hydrostatic Pressure					(A)		2309		P.S.I.		
Initial Flow Period				Minutes	55	(B)	62		P.S.I. to (C)	191	P.S.I.
Initial Closed In Period				Minutes	57	(D)	1464		P.S.I.		
Final Flow Period				Minutes	55	(E)	256		P.S.I. to (F)	333	P.S.I.
Final Closed In Period				Minutes	57	(G)	1438		P.S.I.		
Final Hydrostatic Pressure					(H)		2278		P.S.I.		

WESTERN TESTING CO., INC.

Pressure Data

Date 1/27/81 Recorder No. 11018 Capacity 4425 Test Ticket No. 9304
 Location 4330 Ft. Well Temperature 120 °F
 Clock No. --- Elevation ---

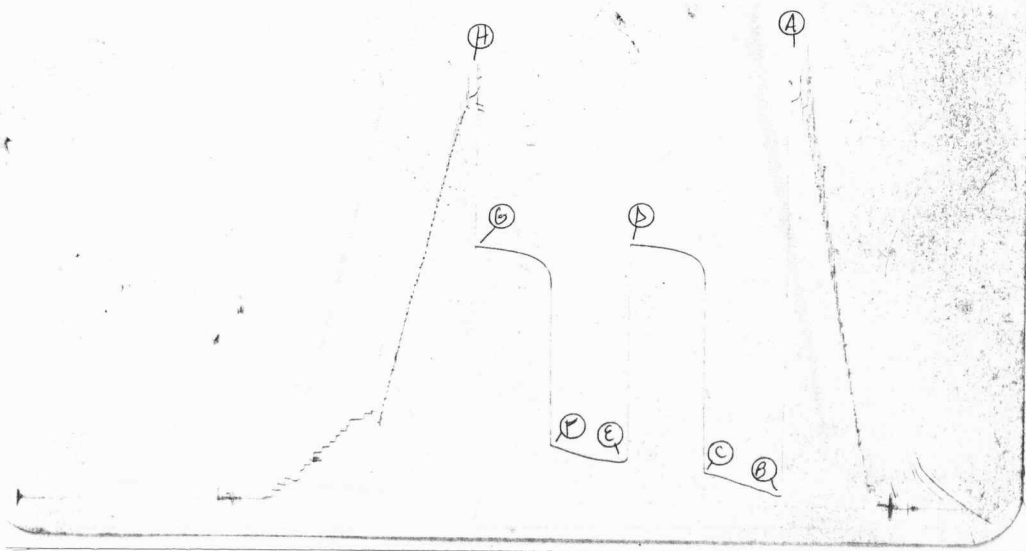
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2309 P.S.I.	Open Tool	4:50A	M
B First Initial Flow Pressure	62 P.S.I.	First Flow Pressure	60 Mins.	55 Mins.
C First Final Flow Pressure	191 P.S.I.	Initial Closed-in Pressure	60 Mins.	57 Mins.
D Initial Closed-in Pressure	1464 P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E Second Initial Flow Pressure	256 P.S.I.	Final Closed-in Pressure	60 Mins.	57 Mins.
F Second Final Flow Pressure	333 P.S.I.			
G Final Closed-in Pressure	1438 P.S.I.			
H Final Hydrostatic Mud	2278 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>11</u> Inc.		Breakdown: <u>19</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>19</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>62</u>	<u>0</u>	<u>191</u>	<u>0</u>	<u>256</u>	<u>0</u>	<u>333</u>
P 2 <u>5</u>	<u>67</u>	<u>3</u>	<u>1337</u>	<u>5</u>	<u>246</u>	<u>3</u>	<u>1302</u>
P 3 <u>10</u>	<u>84</u>	<u>6</u>	<u>1377</u>	<u>10</u>	<u>246</u>	<u>6</u>	<u>1337</u>
P 4 <u>15</u>	<u>96</u>	<u>9</u>	<u>1394</u>	<u>15</u>	<u>253</u>	<u>9</u>	<u>1357</u>
P 5 <u>20</u>	<u>109</u>	<u>12</u>	<u>1410</u>	<u>20</u>	<u>256</u>	<u>12</u>	<u>1372</u>
P 6 <u>25</u>	<u>122</u>	<u>15</u>	<u>1419</u>	<u>25</u>	<u>262</u>	<u>15</u>	<u>1383</u>
P 7 <u>30</u>	<u>133</u>	<u>18</u>	<u>1426</u>	<u>30</u>	<u>270</u>	<u>18</u>	<u>1394</u>
P 8 <u>35</u>	<u>144</u>	<u>21</u>	<u>1432</u>	<u>35</u>	<u>281</u>	<u>21</u>	<u>1401</u>
P 9 <u>40</u>	<u>160</u>	<u>24</u>	<u>1436</u>	<u>40</u>	<u>292</u>	<u>24</u>	<u>1407</u>
P10 <u>45</u>	<u>171</u>	<u>27</u>	<u>1443</u>	<u>45</u>	<u>304</u>	<u>27</u>	<u>1412</u>
P11 <u>50</u>	<u>180</u>	<u>30</u>	<u>1446</u>	<u>50</u>	<u>318</u>	<u>30</u>	<u>1415</u>
P12 <u>55</u>	<u>191</u>	<u>33</u>	<u>1449</u>	<u>55</u>	<u>333</u>	<u>33</u>	<u>1419</u>
P13		<u>36</u>	<u>1452</u>			<u>36</u>	<u>1423</u>
P14		<u>39</u>	<u>1455</u>			<u>39</u>	<u>1427</u>
P15		<u>42</u>	<u>1457</u>			<u>42</u>	<u>1430</u>
P16		<u>45</u>	<u>1459</u>			<u>45</u>	<u>1432</u>
P17		<u>48</u>	<u>1461</u>			<u>48</u>	<u>1434</u>
P18		<u>51</u>	<u>1462</u>			<u>51</u>	<u>1436</u>
P19		<u>54</u>	<u>1463</u>			<u>54</u>	<u>1437</u>
P20		<u>57</u>	<u>1464</u>			<u>57</u>	<u>1438</u>

TKT # 9304
I

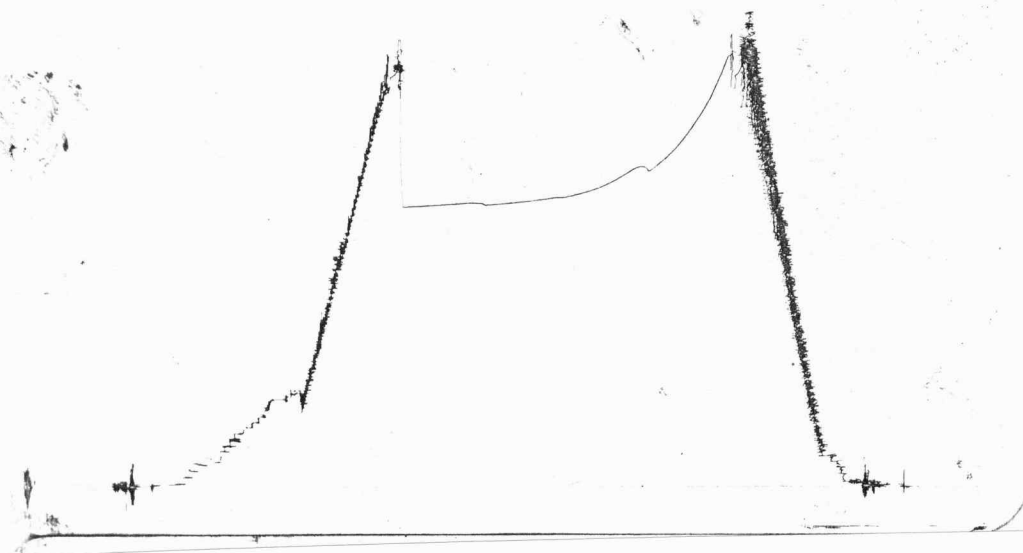
11018-2304



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2277	2309	PSI
(B) First Initial Flow Pressure	55	62	PSI
(C) First Final Flow Pressure	188	191	PSI
(D) Initial Closed-in Pressure	1449	1464	PSI
(E) Second Initial Flow Pressure	233	256	PSI
(F) Second Final Flow Pressure	333	333	PSI
(G) Final Closed-in Pressure	1427	1438	PSI
(H) Final Hydrostatic Mud	2300	2278	PSI

Below Straddle STRADDLE



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2277	2309	PSI
(B) First Initial Flow Pressure	55	62	PSI
(C) First Final Flow Pressure	188	191	PSI
(D) Initial Closed-in Pressure	1449	1464	PSI
(E) Second Initial Flow Pressure	233	256	PSI
(F) Second Final Flow Pressure	333	333	PSI
(G) Final Closed-in Pressure	1427	1438	PSI
(H) Final Hydrostatic Mud	2300	2278	PSI