



Home Office: Wichita, Kansas 67201

P.O. Box 1599

(316) 262-5861

Company Spines Exploration, Inc. Lease & Well No. WBT Farms #1
 Elevation 2065 Kelly Bushing Formation Kansas City & Marmaton Effective Pay - Ft. Ticket No. 12549
 Date 2/26/82 Sec. 29 Twp. 28S Range 15W County Pratt State Kansas
 Test Approved by C T Spines Western Representative Glenn VanSteenburgh

Formation Test No. 1 Interval Tested from 4426 ft. to 4495 ft. Total Depth 4495 ft.

Packer Depth 4421 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4426 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4451 ft. Recorder Number 13400 Cap. 3950

Bottom Recorder Depth (Outside) 4455 ft. Recorder Number 3085 Cap. 4500

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

Drilling Contractor D R Lauck Rig #1 Drill Collar Length 340 I. D. 2.2 in.

Mud Type Drispac Viscosity 54 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 12.0 cc. Drill Pipe Length 4057 I. D. 3.8 in.

Chlorides 20,000 P.P.M. Test Tool Length 29 ft. Tool Size 4 1/2 in.

Jars: Make WIC Serial Number 415 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 FH in.

Blow: Initial flow period 1 inch blow decreasing to 1/4 inch at shut-in. Final flow period no blow - tool movement after 10 minutes flushed tool - no blow.

Recovered 280 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Tool picked too high. MISRUN Read outside chart

Time Set	Packer(s)	<u>A.M.</u> <u>P.M.</u>	Time Started Off Bottom	<u>A.M.</u> <u>P.M.</u>	Maximum Temperature
	<u>5:15</u>		<u>9:00</u>		<u>127</u>
Initial Hydrostatic Pressure			<u>2477</u>	<u>P.S.I.</u>	
Initial Flow Period		<u>Minutes</u>	<u>50</u>	<u>(B) 71</u>	<u>P.S.I. to (C) 76 P.S.I.</u>
Initial Closed In Period		<u>Minutes</u>	<u>90</u>	<u>(D) 690*</u>	<u>P.S.I.</u>
Final Flow Period		<u>Minutes</u>	<u>30</u>	<u>(E) 91+</u>	<u>P.S.I. to (F) 225 P.S.I.</u>
Final Closed In Period		<u>Minutes</u>	<u>60</u>	<u>(G) 307</u>	<u>P.S.I.</u>
Final Hydrostatic Pressure			<u>2459</u>	<u>(H) P.S.I.</u>	

WESTERN TESTING CO., INC.
Pressure Data

Date 2/26/82 Test Ticket No. 12549
 Recorder No. 3085 Capacity 4500 Location 4455 Ft.
 Clock No. - Elevation 2065 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2477</u> P.S.I.	Open Tool	<u>5:15P</u> M	
B First Initial Flow Pressure	<u>71</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>50</u> Mins.
C First Final Flow Pressure	<u>76</u> P.S.I.	Initial Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
D Initial Closed-in Pressure	<u>690*</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>91+</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>225</u> P.S.I.			
G Final Closed-in Pressure	<u>307</u> P.S.I.			
H Final Hydrostatic Mud	<u>2459</u> P.S.I.			

*Pressures questionable due to tool being picked up too high
 †Pressures questionable due to plugged tool.

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>10</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</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	<u>0</u> <u>71</u>	<u>0</u> <u>76</u>	<u>0</u> <u>76</u>	<u>0</u> <u>91+</u>	<u>0</u> <u>225</u>	<u>0</u> <u>225</u>	<u>0</u> <u>225</u>
P 2	<u>5</u> <u>71</u>	<u>3</u> <u>177*</u>	<u>3</u> <u>177*</u>	<u>5</u> <u>91+</u>	<u>3</u> <u>226</u>	<u>3</u> <u>226</u>	<u>3</u> <u>226</u>
P 3	<u>10</u> <u>71</u>	<u>6</u> <u>566*</u>	<u>6</u> <u>566*</u>	<u>10</u> <u>200+</u>	<u>6</u> <u>229</u>	<u>6</u> <u>229</u>	<u>6</u> <u>229</u>
P 4	<u>15</u> <u>73</u>	<u>9</u> <u>531*</u>	<u>9</u> <u>531*</u>	<u>15</u> <u>243+</u>	<u>9</u> <u>233</u>	<u>9</u> <u>233</u>	<u>9</u> <u>233</u>
P 5	<u>20</u> <u>72</u>	<u>12</u> <u>521*</u>	<u>12</u> <u>521*</u>	<u>20</u> <u>233+</u>	<u>12</u> <u>238</u>	<u>12</u> <u>238</u>	<u>12</u> <u>238</u>
P 6	<u>25</u> <u>72</u>	<u>15</u> <u>519*</u>	<u>15</u> <u>519*</u>	<u>25</u> <u>227+</u>	<u>15</u> <u>243</u>	<u>15</u> <u>243</u>	<u>15</u> <u>243</u>
P 7	<u>30</u> <u>74</u>	<u>18</u> <u>520*</u>	<u>18</u> <u>520*</u>	<u>30</u> <u>225</u>	<u>18</u> <u>245</u>	<u>18</u> <u>245</u>	<u>18</u> <u>245</u>
P 8	<u>35</u> <u>74</u>	<u>21</u> <u>526*</u>	<u>21</u> <u>526*</u>		<u>21</u> <u>250</u>	<u>21</u> <u>250</u>	<u>21</u> <u>250</u>
P 9	<u>40</u> <u>75</u>	<u>24</u> <u>532*</u>	<u>24</u> <u>532*</u>		<u>24</u> <u>255</u>	<u>24</u> <u>255</u>	<u>24</u> <u>255</u>
P10	<u>45</u> <u>75</u>	<u>27</u> <u>539*</u>	<u>27</u> <u>539*</u>		<u>27</u> <u>260</u>	<u>27</u> <u>260</u>	<u>27</u> <u>260</u>
P11	<u>50</u> <u>76</u>	<u>30</u> <u>548*</u>	<u>30</u> <u>548*</u>		<u>30</u> <u>265</u>	<u>30</u> <u>265</u>	<u>30</u> <u>265</u>
P12		<u>33</u> <u>556*</u>	<u>33</u> <u>556*</u>		<u>33</u> <u>269</u>	<u>33</u> <u>269</u>	<u>33</u> <u>269</u>
P13		<u>36</u> <u>563*</u>	<u>36</u> <u>563*</u>		<u>36</u> <u>272</u>	<u>36</u> <u>272</u>	<u>36</u> <u>272</u>
P14		<u>39</u> <u>570*</u>	<u>39</u> <u>570*</u>		<u>39</u> <u>276</u>	<u>39</u> <u>276</u>	<u>39</u> <u>276</u>
P15		<u>42</u> <u>577*</u>	<u>42</u> <u>577*</u>		<u>42</u> <u>280</u>	<u>42</u> <u>280</u>	<u>42</u> <u>280</u>
P16		<u>45</u> <u>587*</u>	<u>45</u> <u>587*</u>		<u>45</u> <u>284</u>	<u>45</u> <u>284</u>	<u>45</u> <u>284</u>
P17		<u>48</u> <u>593*</u>	<u>48</u> <u>593*</u>		<u>48</u> <u>290</u>	<u>48</u> <u>290</u>	<u>48</u> <u>290</u>
P18		<u>51</u> <u>600*</u>	<u>51</u> <u>600*</u>		<u>51</u> <u>296</u>	<u>51</u> <u>296</u>	<u>51</u> <u>296</u>
P19		<u>54</u> <u>607*</u>	<u>54</u> <u>607*</u>		<u>54</u> <u>301</u>	<u>54</u> <u>301</u>	<u>54</u> <u>301</u>
P20		<u>57</u> <u>614*</u>	<u>57</u> <u>614*</u>		<u>57</u> <u>305</u>	<u>57</u> <u>305</u>	<u>57</u> <u>305</u>
WTC - 4		<u>60</u> <u>621*</u>	<u>60</u> <u>621*</u>		<u>60</u> <u>307</u>	<u>60</u> <u>307</u>	<u>60</u> <u>307</u>

WESTERN TESTING CO., INC.
Pressure Data

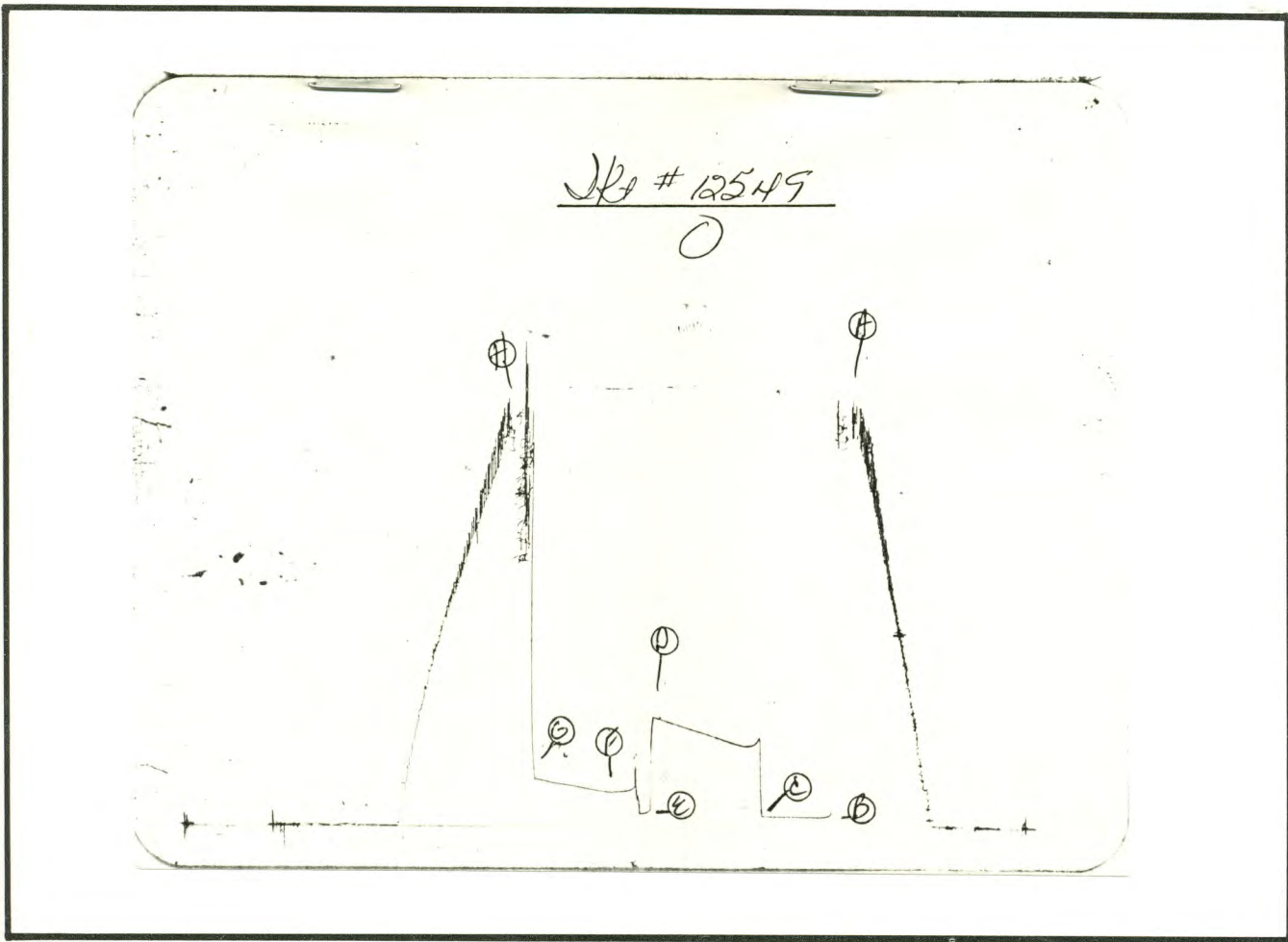
Date 2/26/82 Test Ticket No. 12549
 Recorder No. 3085 Capacity 4500 Location 4455 Ft.
 Clock No. - Elevation 2065 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>2477</u>	P.S.I.	<u>5:15P</u>	<u>M</u>
B. First Initial Flow Pressure	<u>71</u>	P.S.I.	<u>45</u>	<u>50</u> Mins
C. First Final Flow Pressure	<u>76</u>	P.S.I.	<u>90</u>	<u>90</u> Mins
D. Initial Closed-in Pressure	<u>690*</u>	P.S.I.	<u>30</u>	<u>30</u> Mins
E. Second Initial Flow Pressure	<u>91+</u>	P.S.I.	<u>60</u>	<u>60</u> Mins
F. Second Final Flow Pressure	<u>225</u>	P.S.I.		
G. Final Closed-in Pressure	<u>307</u>	P.S.I.		
H. Final Hydrostatic Mud	<u>2459</u>	P.S.I.		

*Pressures questionable due to tool being picked up too high
 +Pressures questionable due to plugged tool.

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure Breakdown: <u>10</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>30</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1		63	630*					
P 2		66	637*					
P 3		69	645*					
P 4		72	651*					
P 5		75	658*					
P 6		78	667*					
P 7		81	674*					
P 8		84	682*					
P 9		87	688*					
P10		90	690*					
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	2639	2477	PSI
(B) First Initial Flow Pressure	71	71	PSI
(C) First Final Flow Pressure	71	76	PSI
(D) Initial Closed-in Pressure	-	690*	PSI
(E) Second Initial Flow Pressure	97	91±	PSI
(F) Second Final Flow Pressure	217	225	PSI
(G) Final Closed-in Pressure	301	307	PSI
(H) Final Hydrostatic Mud	2566	2459	PSI



Home Office: Wichita, Kansas 67201

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Company Spines Exploration, Inc. Lease & Well No. WBT Farms #1
 Elevation 2065 Kelly Bushing Formation Mississippi-Kinderhook Effective Pay - Ft. Ticket No. 13962
 Date 2/28/82 Sec. 29 Twp. 28S Range 15W County Pratt State Kansas
 Test Approved by Robert Smith Western Representative Richard Howell

Formation Test No. 3 Interval Tested from 4647 ft. to 4689 ft. Total Depth 4689 ft.

Packer Depth 4642 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4647 ft. Size 6 3/4 in. Packer Depth -- ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4651 ft. Recorder Number 11019 Cap. 4500

Bottom Recorder Depth (Outside) 4685 ft. Recorder Number 11018 Cap. 4425

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

Drilling Contractor D R Lauck Drill Collar Length 330 I. D. 2.2 in.

Mud Type Drispac Viscosity 58 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 11.2 cc. Drill Pipe Length 4287 I. D. 3.8 in.

Chlorides 24,000 P.P.M. Test Tool Length 30 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 415 Anchor Length 42 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 FH in.

Blow: Initial flow period weak 1/2 inch into bucket.

Final flow period weak - decreasing.

Recovered 30 ft. of slightly oil cut mud - 2% oil; 98% mud

Recovered 90 ft. of specked oil cut mud less than 1% oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Hit bridge at 2700 ft went through okay. Also slid tool 10 ft on initial opening.

Time Set Packer(s) 2:30 ~~A.M.~~ P.M. Time Started Off Bottom 7:00 ~~A.M.~~ P.M. Maximum Temperature 128

Initial Hydrostatic Pressure 2381 P.S.I. (A)

Initial Flow Period 30 Minutes (B) 36 P.S.I. to (C) 40 P.S.I.

Initial Closed In Period 57 Minutes (D) 1139 P.S.I.

Final Flow Period 60 Minutes (E) 59 P.S.I. to (F) 70 P.S.I.

Final Closed In Period 123 Minutes (G) 1179 P.S.I.

Final Hydrostatic Pressure 2366 P.S.I. (H)

WESTERN TESTING CO., INC.
Pressure Data

Date 2/28/82 Test Ticket No. 13962
 Recorder No. 11019 Capacity 4500 Location 4651 Ft.
 Clock No. - Elevation 2605 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2381</u>	P.S.I.	<u>2:30A</u>	<u>M</u>
B First Initial Flow Pressure	<u>36</u>	P.S.I.	<u>30</u>	<u>Mins. 30</u>
C First Final Flow Pressure	<u>40</u>	P.S.I.	<u>60</u>	<u>Mins. 57</u>
D Initial Closed-in Pressure	<u>1139</u>	P.S.I.	<u>60</u>	<u>Mins. 60</u>
E Second Initial Flow Pressure	<u>59</u>	P.S.I.	<u>120</u>	<u>Mins. 123</u>
F Second Final Flow Pressure	<u>70</u>	P.S.I.		
G Final Closed-in Pressure	<u>1179</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2366</u>	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: 19 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

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

Final Shut-In
 Breakdown: 41 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>36</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>59</u>	<u>0</u>	<u>70</u>
P 2 <u>5</u>	<u>36</u>	<u>3</u>	<u>44</u>	<u>5</u>	<u>59</u>	<u>3</u>	<u>70</u>
P 3 <u>10</u>	<u>36</u>	<u>6</u>	<u>51</u>	<u>10</u>	<u>59</u>	<u>6</u>	<u>72</u>
P 4 <u>15</u>	<u>36</u>	<u>9</u>	<u>59</u>	<u>15</u>	<u>59</u>	<u>9</u>	<u>83</u>
P 5 <u>20</u>	<u>37</u>	<u>12</u>	<u>66</u>	<u>20</u>	<u>59</u>	<u>12</u>	<u>95</u>
P 6 <u>25</u>	<u>38</u>	<u>15</u>	<u>84</u>	<u>25</u>	<u>60</u>	<u>15</u>	<u>105</u>
P 7 <u>30</u>	<u>40</u>	<u>18</u>	<u>152</u>	<u>30</u>	<u>61</u>	<u>18</u>	<u>120</u>
P 8 _____	_____	<u>21</u>	<u>193</u>	<u>35</u>	<u>63</u>	<u>21</u>	<u>135</u>
P 9 _____	_____	<u>24</u>	<u>269</u>	<u>40</u>	<u>65</u>	<u>24</u>	<u>153</u>
P10 _____	_____	<u>27</u>	<u>366</u>	<u>45</u>	<u>67</u>	<u>27</u>	<u>171</u>
P11 _____	_____	<u>30</u>	<u>466</u>	<u>50</u>	<u>68</u>	<u>30</u>	<u>192</u>
P12 _____	_____	<u>33</u>	<u>644</u>	<u>55</u>	<u>69</u>	<u>33</u>	<u>217</u>
P13 _____	_____	<u>36</u>	<u>721</u>	<u>60</u>	<u>70</u>	<u>36</u>	<u>255</u>
P14 _____	_____	<u>39</u>	<u>799</u>	_____	_____	<u>39</u>	<u>286</u>
P15 _____	_____	<u>42</u>	<u>865</u>	_____	_____	<u>42</u>	<u>321</u>
P16 _____	_____	<u>45</u>	<u>930</u>	_____	_____	<u>45</u>	<u>369</u>
P17 _____	_____	<u>48</u>	<u>990</u>	_____	_____	<u>48</u>	<u>412</u>
P18 _____	_____	<u>51</u>	<u>1045</u>	_____	_____	<u>51</u>	<u>455</u>
P19 _____	_____	<u>54</u>	<u>1097</u>	_____	_____	<u>54</u>	<u>500</u>
P20 _____	_____	<u>57</u>	<u>1139</u>	_____	_____	<u>57</u>	<u>545</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 2/28/82 Test Ticket No. 13962
 Recorder No. 11019 Capacity 4500 Location 4651 Ft.
 Clock No. - Elevation 2605 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2381</u>	P.S.I.	<u>2:30A</u>	<u>M</u>
B First Initial Flow Pressure	<u>36</u>	P.S.I.	<u>30</u>	<u>Mins. 30</u>
C First Final Flow Pressure	<u>40</u>	P.S.I.	<u>60</u>	<u>Mins. 57</u>
D Initial Closed-in Pressure	<u>1139</u>	P.S.I.	<u>60</u>	<u>Mins. 60</u>
E Second Initial Flow Pressure	<u>59</u>	P.S.I.	<u>120</u>	<u>Mins. 123</u>
F Second Final Flow Pressure	<u>70</u>	P.S.I.		
G Final Closed-in Pressure	<u>1179</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2366</u>	P.S.I.		

PRESSURE BREAKDOWN

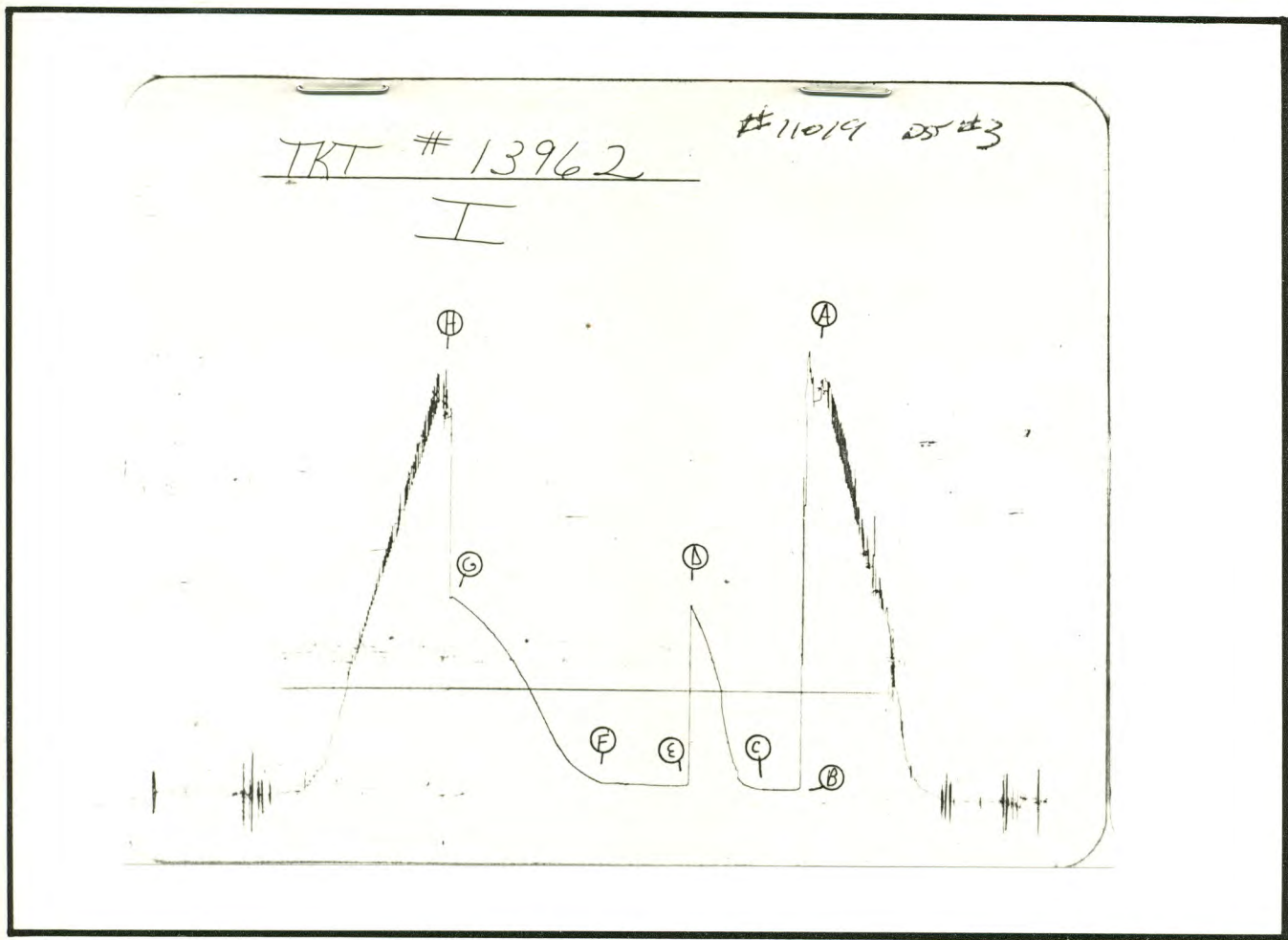
First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
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Initial Shut-In
 Breakdown: 19 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

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

Final Shut-In
 Breakdown: 41 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						63	631
P 2						66	676
P 3						69	707
P 4						72	746
P 5						75	791
P 6						78	820
P 7						81	851
P 8						84	887
P 9						87	913
P10						90	941
P11						93	970
P12						96	993
P13						99	1020
P14						102	1043
P15						105	1067
P16						108	1088
P17						111	1110
P18						114	1131
P19						117	1149
P20						120	1164
						123	1179



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2397	2381	PSI
(B) First Initial Flow Pressure	45	36	PSI
(C) First Final Flow Pressure	45	40	PSI
(D) Initial Closed-in Pressure	1151	1139	PSI
(E) Second Initial Flow Pressure	56	59	PSI
(F) Second Final Flow Pressure	67	70	PSI
(G) Final Closed-in Pressure	1185	1179	PSI
(H) Final Hydrostatic Mud	2318	2366	PSI