



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

Company Rincon Operating Company Lease & Well No. [REDACTED] #1
 Elevation 3439 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 9948
 Date 5/30/81 Sec. 8 Twp. 6S Range 37W County Sherman State Kansas
 Test Approved by Robert E. Elcer Western Representative Roger Lisenby

Formation Test No. 1 Interval Tested from 4488 ft. to 4515 ft. Total Depth 4515 ft.
 Packer Depth 4488 ft. Size 6 3/4 in. Packer Depth 4488 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) 4507 ft. Recorder Number 13266 Cap 4000
 Bottom Recorder Depth (Outside) 4510 ft. Recorder Number 13265 Cap 3975
 Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Stoepelwerth Drlg. Rig #1 Drill Collar Length 271 I. D. 2 1/4 in.
 Mud Type starch Viscosity 45 Weight Pipe Length - I. D. - in.
 Weight 9.9 Water Loss 10.8 cc. Drill Pipe Length 4188 I. D. 3.8 in.
 Chlorides 34,000 P.P.M. Test Tool Length 29 ft. Tool Size 4 3/4 in.
 Jars: Make WTC Serial Number 408 Anchor Length 27 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: Weak; died in twelve minutes on initial flow period. No blow final flow period; flushed tool; no blow.

Recovered 15 ft. of mud
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 6:05 A.M. Time Started Off Bottom 8:05 P.M. Maximum Temperature 132°
 Initial Hydrostatic Pressure 2365 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 46 P.S.I. to (C) 46 P.S.I.
 Initial Closed In Period 30 Minutes (D) 63 P.S.I.
 Final Flow Period 30 Minutes (E) 48 P.S.I. to (F) 48 P.S.I.
 Final Closed In Period 33 Minutes (G) 73 P.S.I.
 Final Hydrostatic Pressure 2329 P.S.I. (H)

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GREAT BEND
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WESTERN TESTING CO., INC.
Pressure Data

Date 5/30/81 Test Ticket No. 9948
 Recorder No. 13266 Capacity 4000 Location 4507 Ft.
 Clock No. - Elevation 3439 Kelly Bushing Well Temperature 132 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2365	P.S.I.	6:05P	M
B First Initial Flow Pressure	46	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	46	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	63	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	48	P.S.I.	30	Mins. 33 Mins.
F Second Final Flow Pressure	48	P.S.I.		
G Final Closed-in Pressure	73	P.S.I.		
H Final Hydrostatic Mud	2329	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.

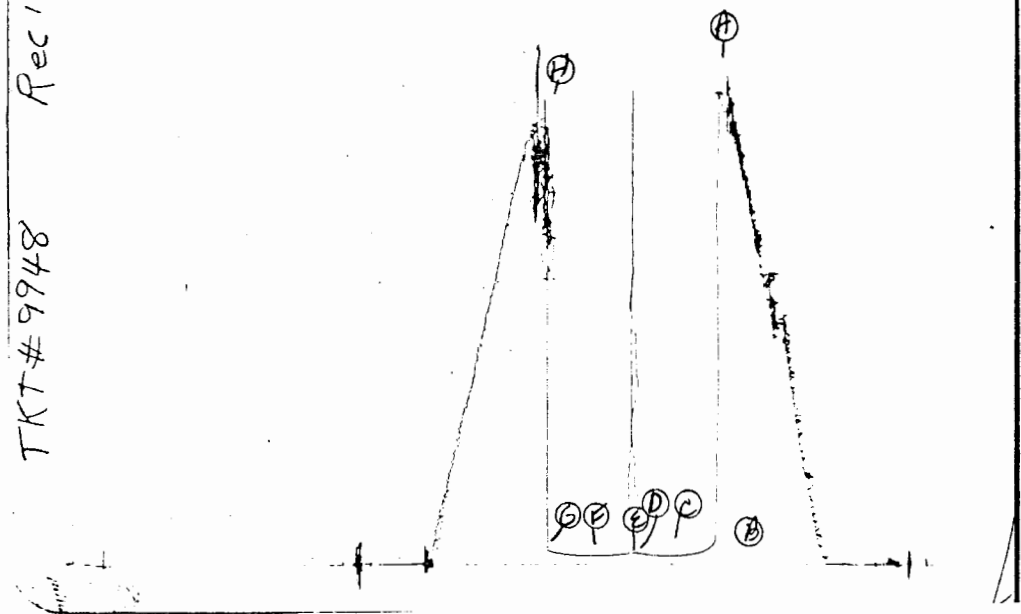
Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 11 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>46</u>	<u>0</u>	<u>46</u>	<u>0</u>	<u>48</u>	<u>0</u>	<u>48</u>
P 2 <u>5</u>	<u>46</u>	<u>3</u>	<u>46</u>	<u>5</u>	<u>48</u>	<u>3</u>	<u>48</u>
P 3 <u>10</u>	<u>46</u>	<u>6</u>	<u>46</u>	<u>10</u>	<u>48</u>	<u>6</u>	<u>48</u>
P 4 <u>15</u>	<u>46</u>	<u>9</u>	<u>46</u>	<u>15</u>	<u>48</u>	<u>9</u>	<u>48</u>
P 5 <u>20</u>	<u>46</u>	<u>12</u>	<u>47</u>	<u>20</u>	<u>48</u>	<u>12</u>	<u>50</u>
P 6 <u>25</u>	<u>46</u>	<u>15</u>	<u>49</u>	<u>25</u>	<u>48</u>	<u>15</u>	<u>51</u>
P 7 <u>30</u>	<u>46</u>	<u>18</u>	<u>51</u>	<u>30</u>	<u>48</u>	<u>18</u>	<u>53</u>
P 8 _____	_____	<u>21</u>	<u>53</u>	_____	_____	<u>21</u>	<u>55</u>
P 9 _____	_____	<u>24</u>	<u>56</u>	_____	_____	<u>24</u>	<u>59</u>
P10 _____	_____	<u>27</u>	<u>59</u>	_____	_____	<u>27</u>	<u>61</u>
P11 _____	_____	<u>30</u>	<u>63</u>	_____	_____	<u>30</u>	<u>66</u>
P12 _____	_____	_____	_____	_____	_____	<u>33</u>	<u>73</u>
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TKT # 9948 Rec 13266

TKT # 9948
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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2348	2365	PSI
(B) First Initial Flow Pressure	60	46	PSI
(C) First Final Flow Pressure	40	46	PSI
(D) Initial Closed-in Pressure	71	63	PSI
(E) Second Initial Flow Pressure	60	48	PSI
(F) Second Final Flow Pressure	60	48	PSI
(G) Final Closed-in Pressure	71	73	PSI
(H) Final Hydrostatic Mud	2308	2329	PSI



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Company Rincon Operating Company Lease & Well No. Baird #1
Elevation 3439 Kelly Bushing Formation Marmaton Effective Pay - Ft. Ticker No. 9949
Date 5/31/81 Sec. 8 Twp. 6S Range 37W County Sherman State Kansas
Test Approved by Robert E. Elder Western Representative Roger Lisenby

Formation Test No. 2 Interval Tested from 4572 ft. to 4625 ft. Total Depth 4625 ft.
Packer Depth 4567 ft. Size 6 3/4 in. Packer Depth 4572 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) 4583 ft. Recorder Number 13266 Cap 4000
Bottom Recorder Depth (Outside) 4586 ft. Recorder Number 13265 Cap 3975
Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Stoeppelwerth Drlg. Rig #1 Drill Collar Length 271 I. D. 2 3/4 in.
Mud Type starch Viscosity 40 Weight Pipe Length - I. D. - in.
Weight 9.9 Water Loss 12.4 cc. Drill Pipe Length 4272 I. D. 3.8 in.
Chlorides 35,000 P.P.M. Test Tool Length 29 ft. Tool Size 4 3/4 in.
Jars: Make WIC Serial Number 408 Anchor Length 53 ft. Size 5 1/2 with Jt. D.P. 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 blow; died in twenty-one minutes initial flow period. No blow final flow period; flushed tool, weak blow; died in five minutes.

Recovered 40 ft. of mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____

Time Set Packer(s)	<u>7:55</u>	<u>A.M.</u> P.M.	Time Started Off Bottom	<u>9:55</u>	<u>A.M.</u> P.M.	Maximum Temperature	<u>134°</u>
Initial Hydrostatic Pressure	(A)	<u>2478</u>				P.S.I.	
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>49</u>	P.S.I. to (C)	<u>49</u>	P.S.I.
Initial Closed In Period	Minutes	<u>30</u>	(D)	<u>71</u>		P.S.I.	
Final Flow Period	Minutes	<u>30</u>	(E)	<u>61</u>	P.S.I. to (F)	<u>61</u>	
Final Closed In Period	Minutes	<u>30</u>	(G)	<u>77</u>		P.S.I.	
Final Hydrostatic Pressure	(H)	<u>2466</u>				P.S.I.	

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WESTERN TESTING CO., INC.
Pressure Data

Date 5/31/81

Test Ticket No. 9949

Recorder No. 13266

Capacity 4000

Location 4583 Ft.

Clock No. - Elevation

3439 Kelly Bushing

Well Temperature 134 °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>2478</u>	P.S.I.
B First Initial Flow Pressure	<u>49</u>	P.S.I.
C First Final Flow Pressure	<u>49</u>	P.S.I.
D Initial Closed-in Pressure	<u>71</u>	P.S.I.
E Second Initial Flow Pressure	<u>61</u>	P.S.I.
F Second Final Flow Pressure	<u>61</u>	P.S.I.
G Final Closed-in Pressure	<u>77</u>	P.S.I.
H Final Hydrostatic Mud	<u>2466</u>	P.S.I.

Open Tool
First Flow Pressure
Initial Closed-in Pressure
Second Flow Pressure
Final Closed-in Pressure

Time Given	Time Computed
<u>7:55P</u>	<u>M</u>
<u>30</u> Mins.	<u>30</u> Mins.
<u>30</u> Mins.	<u>30</u> Mins.
<u>30</u> Mins.	<u>30</u> Mins.
<u>30</u> Mins.	<u>30</u> Mins.

PRESSURE BREAKDOWN

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

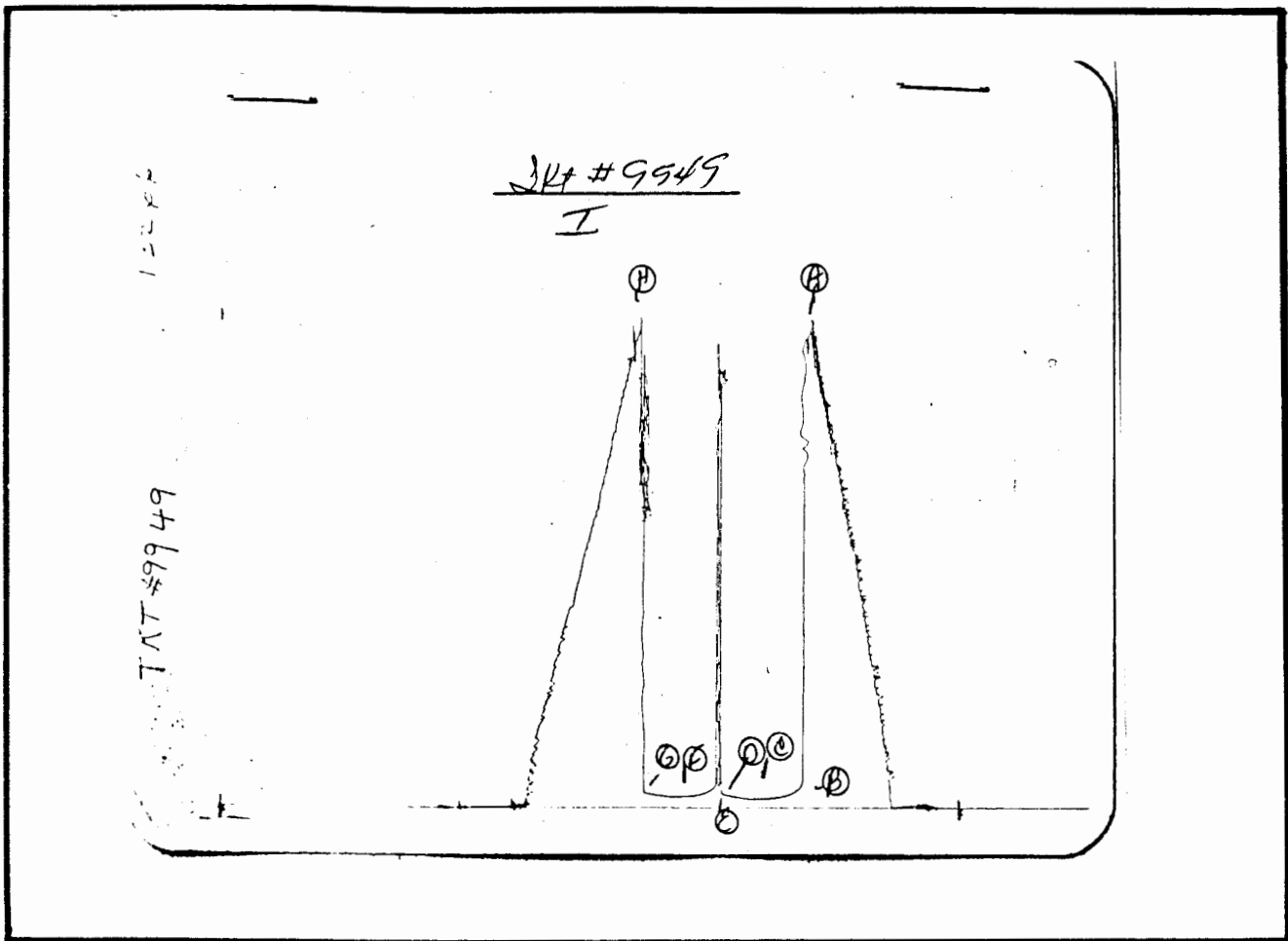
Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

Final Shut-In
Breakdown: 10 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>49</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>61</u>	<u>0</u>	<u>61</u>
P 2 <u>5</u>	<u>49</u>	<u>3</u>	<u>49</u>	<u>5</u>	<u>61</u>	<u>3</u>	<u>60</u>
P 3 <u>10</u>	<u>49</u>	<u>6</u>	<u>49</u>	<u>10</u>	<u>61</u>	<u>6</u>	<u>60</u>
P 4 <u>15</u>	<u>49</u>	<u>9</u>	<u>49</u>	<u>15</u>	<u>61</u>	<u>9</u>	<u>60</u>
P 5 <u>20</u>	<u>49</u>	<u>12</u>	<u>49</u>	<u>20</u>	<u>61</u>	<u>12</u>	<u>62</u>
P 6 <u>25</u>	<u>49</u>	<u>15</u>	<u>51</u>	<u>25</u>	<u>61</u>	<u>15</u>	<u>63</u>
P 7 <u>30</u>	<u>49</u>	<u>18</u>	<u>55</u>	<u>30</u>	<u>61</u>	<u>18</u>	<u>66</u>
P 8		<u>21</u>	<u>59</u>			<u>21</u>	<u>69</u>
P 9		<u>24</u>	<u>63</u>			<u>24</u>	<u>73</u>
P10		<u>27</u>	<u>66</u>			<u>27</u>	<u>76</u>
P11		<u>30</u>	<u>71</u>			<u>30</u>	<u>77</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

Flushed tool



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2418	2478	PSI
(B) First Initial Flow Pressure	40	49	PSI
(C) First Final Flow Pressure	40	49	PSI
(D) Initial Closed-in Pressure	81	71	PSI
(E) Second Initial Flow Pressure	50	61	PSI
(F) Second Final Flow Pressure	50	61	PSI
(G) Final Closed-in Pressure	81	77	PSI
(H) Final Hydrostatic Mud	2368	2466	PSI



Home Office: Wichita, Kansas 67201

P.O. Box 1599

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Company Rincon Operating Company Lease & Well No. Baird #1
 Elevation 3439 Kelly Bushing Formation Marmaton Effective Pay - Ft. Ticket No. 9950
 Date 6/1/81 Sec. 8 Twp. 6S Range 37W County Sherman State Kansas
 Test Approved by Robert E. Elder Western Representative Roger Lisenby

Formation Test No. 3 Interval Tested from 4621 ft. to 4650 ft. Total Depth 4650 ft.
 Packer Depth 4616 ft. Size 6 3/4 in. Packer Depth 4621 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) 4642 ft. Recorder Number 13266 Cap. 4000
 Bottom Recorder Depth (Outside) 4645 ft. Recorder Number 13265 Cap. 3975
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Stoepelwerth Drlg. Rig #1 Drill Collar Length 271 I. D. 2 1/4 in.
 Mud Type starch Viscosity 46 Weight Pipe Length - I. D. - in.
 Weight 9.8 Water Loss 10 cc. Drill Pipe Length 4321 I. D. 3.8 in.
 Chlorides 32,000 P.P.M. Test Tool Length 29 ft. Tool Size 4 3/4 in.
 Jars: Make WIC Serial Number 408 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 FH in.

Blow: Weak blow; died in twenty-three minutes on initial flow period. No blow; flushed tool; no blow.

Recovered 20 ft. of mud with few oil specks
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 11:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:45 ~~P.M.~~ ^{A.M.} Maximum Temperature 138°
 Initial Hydrostatic Pressure 2476 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 67 P.S.I. to (C) 67 P.S.I.
 Initial Closed In Period 33 Minutes (D) 400 P.S.I.
 Final Flow Period 30 Minutes (E) 77 P.S.I. to (F) 77 P.S.I.
 Final Closed In Period 30 Minutes (G) 493 P.S.I.
 Final Hydrostatic Pressure 2438 P.S.I. (H)

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WESTERN TESTING CO., INC.
Pressure Data

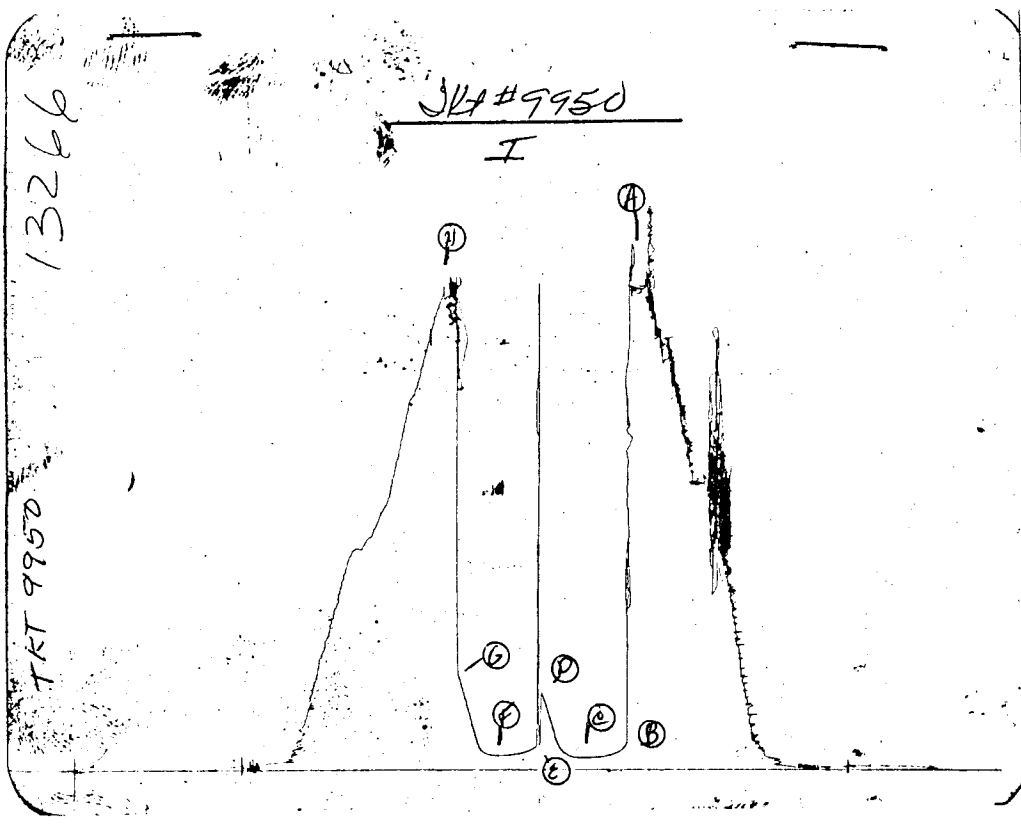
Date 6/1/81 Test Ticket No. 9950
 Recorder No. 13266 Capacity 4000 Location 4642 Ft.
 Clock No. - Elevation 3439 Kelly Bushing Well Temperature 138 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2476</u> P.S.I.	Open Tool	<u>11:45A</u> M	
B First Initial Flow Pressure	<u>67</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
C First Final Flow Pressure	<u>67</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>400</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>77</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins	<u>30</u> Mins.
F Second Final Flow Pressure	<u>77</u> P.S.I.			
G Final Closed-in Pressure	<u>493</u> P.S.I.			
H Final Hydrostatic Mud	<u>2438</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>11</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>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>67</u>	<u>0</u>	<u>67</u>	<u>0</u>	<u>77</u>	<u>0</u>	<u>77</u>
P 2 <u>5</u>	<u>67</u>	<u>3</u>	<u>67</u>	<u>5</u>	<u>77</u>	<u>3</u>	<u>78</u>
P 3 <u>10</u>	<u>67</u>	<u>6</u>	<u>67</u>	<u>10</u>	<u>77</u>	<u>6</u>	<u>80</u>
P 4 <u>15</u>	<u>67</u>	<u>9</u>	<u>69</u>	<u>15</u>	<u>77</u>	<u>9</u>	<u>83</u>
P 5 <u>20</u>	<u>67</u>	<u>12</u>	<u>75</u>	<u>20</u>	<u>77</u>	<u>12</u>	<u>94</u>
P 6 <u>25</u>	<u>67</u>	<u>15</u>	<u>85</u>	<u>25</u>	<u>77</u>	<u>15</u>	<u>114</u>
P 7 <u>30</u>	<u>67</u>	<u>18</u>	<u>104</u>	<u>30</u>	<u>77</u>	<u>18</u>	<u>171</u>
P 8 _____	_____	<u>21</u>	<u>136</u>	_____	_____	<u>21</u>	<u>242</u>
P 9 _____	_____	<u>24</u>	<u>195</u>	_____	_____	<u>24</u>	<u>327</u>
P10 _____	_____	<u>27</u>	<u>267</u>	_____	_____	<u>27</u>	<u>400</u>
P11 _____	_____	<u>30</u>	<u>337</u>	_____	_____	<u>30</u>	<u>493</u>
P12 _____	_____	<u>33</u>	<u>400</u>	_____	_____	_____	_____
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	2448	2476	PSI
(B) First Initial Flow Pressure	60	67	PSI
(C) First Final Flow Pressure	50	67	PSI
(D) Initial Closed-in Pressure	396	400	PSI
(E) Second Initial Flow Pressure	60	77	PSI
(F) Second Final Flow Pressure	60	77	PSI
(G) Final Closed-in Pressure	497	493	PSI
(H) Final Hydrostatic Mud	2418	2438	PSI