

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name ROEHL #1 Test No. 1 Date 4/24/92  
Company WHITE & ELLIS DRILLING Zone PLEASANTON  
Address BOX 48848 WICHITA KS 67202 Elevation 2823 K.B.  
Co. Rep./Geo. TOM FUNK Cont. WHITE & ELLIS RIG #9 Est. Ft. of Pay 4  
Location: Sec. 6 Twp. 20S Rge. 28W Co. LANE State KS

Interval Tested 4395-4420 Drill Pipe Size 4.5 XH  
Anchor Length 25 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 4390 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 4395 Mud Wt. 9.3 lb/Gal.  
Total Depth 4420 Viscosity 45 Filtrate 12

Tool Open @ 8:04 PM Initial Blow SURFACE BLOW TO 2 3/4" IN 30 MINUTES

Final Blow NO BLOW 8 MINUTES-WEAK SURFACE BLOW TO 2.5" IN 52 MINUTES

Recovery - Total Feet 60 Flush Tool? NO

Rec. 65 Feet of GAS IN PIPE  
Rec. 60 Feet of WATERY OIL CUT MUD-30%OIL/10%WTR/60%MUD  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 112 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 2500 ppm System

(A) Initial Hydrostatic Mud 2227 PSI AK1 Recorder No. 2023 Range 4000

(B) First Initial Flow Pressure 12.3 PSI @ (depth) 4397 w / Clock No. 7452

(C) First Final Flow Pressure 25.8 PSI AK1 Recorder No. 13308 Range 4700

(D) Initial Shut-in Pressure 521.4 PSI @ (depth) 4415 w / Clock No. 8698

(E) Second Initial Flow Pressure 25.8 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

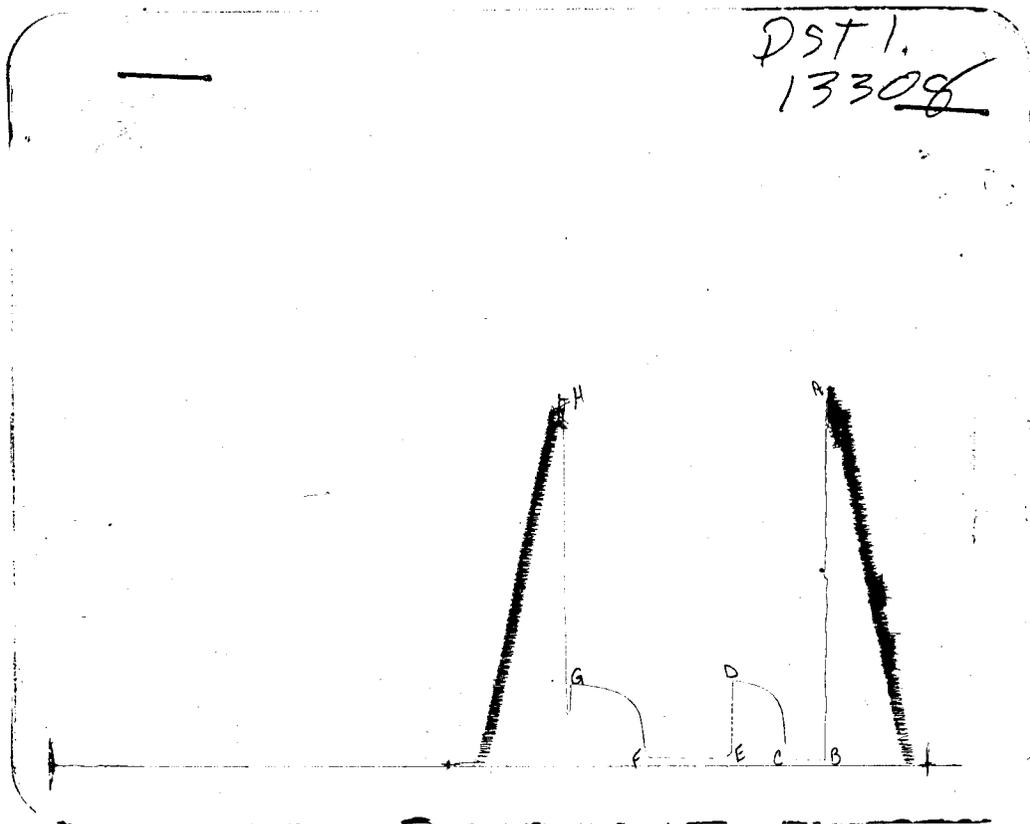
(F) Second Final Flow Pressure 37.2 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 501.8 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2189 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2220	2226.9
(B) FIRST INITIAL FLOW PRESSURE	11	12.3
(C) FIRST FINAL FLOW PRESSURE	22	25.8
(D) INITIAL CLOSED-IN PRESSURE	518	521.4
(E) SECOND INITIAL FLOW PRESSURE	22	25.8
(F) SECOND FINAL FLOW PRESSURE	33	37.2
(G) FINAL CLOSED-IN PRESSURE	498	501.8
(H) FINAL HYDROSTATIC MUD	2180	2188.7

# TRILOBITE TESTING COMPANY L.L.C.

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## Test Ticket

No 4569

Well Name & No. <u>Roehl 1#</u>	Test No. <u>1</u>	Date <u>4-24-92</u>
Company <u>White &amp; Ellis Drilling</u>	Zone Tested <u>PLEASANTON</u>	
Address <u>Box 48848 Wichita KS</u>	Elevation <u>2823 AB</u>	
Co. Rep./Geo. <u>Tom Funk</u>	Cont. <u>W&amp;E Rig 9</u>	Est. Ft. of Pay <u><del>3</del> 4</u>
Location: Sec. <u>6</u>	Twp. <u>20s</u>	Rge. <u>28W</u> Co. <u>LANE</u> State <u>KS</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>4395 &amp; 4420</u>	Drill Pipe Size <u>4 1/2 XH</u>
Anchor Length <u>25</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>4390</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>4395</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>4420</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.3</u> <u>LCM TR</u> lb/gal.	Viscosity <u>45</u> Filtrate <u>12.0</u>
Tool Open @ <u>8:10 PM</u>	Initial Blow <u>SUR TO 2 3/4 IN 30 MIN</u>

Final Blow NO BLOW 8 MIN WEAK SUR TO 2 1/2 IN 52 MIN

Recovery — Total Feet <u>60</u>	Feet of Gas In Pipe <u>65</u>	Flush Tool? _____
Rec. <u>60</u> Feet Of <u>WOMUD</u>	%gas <u>30</u> %oil <u>10</u> %water <u>60</u> %mud	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 112 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 2500 ppm System

(A) Initial Hydrostatic Mud <u>2220</u>	PSI	AK1 Recorder No. <u>2023</u>	Range <u>4000</u>
(B) First Initial Flow Pressure <u>11</u>	PSI	@ (depth) <u>4397</u>	w/Clock No. <u>7452</u>
(C) First Final Flow Pressure <u>22</u>	PSI	AK1 Recorder No. <u>13308</u>	Range <u>4700</u>
(D) Initial Shut-In Pressure <u>518</u>	PSI	@ (depth) <u>4415</u>	w/Clock No. <u>8698</u>
(E) Second Initial Flow Pressure <u>22</u>	PSI	AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>33</u>	PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>498</u>	PSI	Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(H) Final Hydrostatic Mud <u>2180</u>	PSI	Initial Shut-In <u>45</u>	Jars _____

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow <u>60</u>	Safety Joint _____
Final Shut-In <u>60</u>	Straddle _____
	Circ. Sub <input checked="" type="checkbox"/> <u>NC</u>
	Sampler _____
	Extra Packer _____
	Other _____

Approved By Thomas Funk  
Our Representative Mark Hershey

TOTAL PRICE \$ 5000

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name ROEHL #1 Test No. 2 Date 4/25/92  
Company WHITE & ELLIS DRILLING Zone MARMATON  
Address BOX 48848 WICHITA KS 67202 Elevation 2823 K.B.  
Co. Rep./Geo. TOM FUNK Cont. WHITE & ELLIS RIG #9 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 6 Twp. 20S Rge. 28W Co. LANE State KS

Interval Tested 4417-4440 Drill Pipe Size 4.5 XH  
Anchor Length 23 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 4412 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 4417 Mud Wt. 9.4 lb/Gal.  
Total Depth 4440 Viscosity 44 Filtrate 12

Tool Open @ 9:10 AM Initial Blow WEAK SURFACE TO 2" IN 30 MINUTES

Final Blow WEAK SURFACE TO 5 1/4" IN 60 MINUTES

Recovery - Total Feet 40 Flush Tool? NO

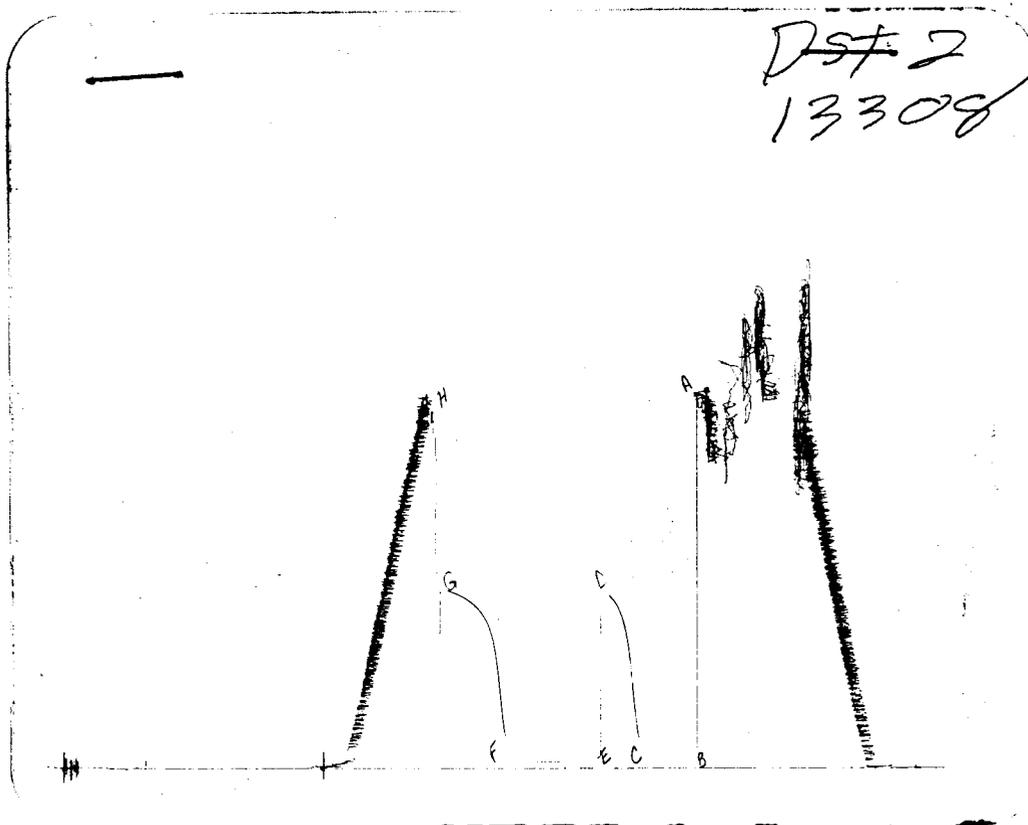
Rec. 150 Feet of GAS IN PIPE  
Rec. 40 Feet of OIL CUT MUD-35%OIL/65%MUD  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 113 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 2500 ppm System

(A) Initial Hydrostatic Mud 2264 PSI AK1 Recorder No. 2023 Range 4000  
(B) First Initial Flow Pressure 12.3 PSI @ (depth) 4419 w / Clock No. 7452  
(C) First Final Flow Pressure 12.3 PSI AK1 Recorder No. 13308 Range 4700  
(D) Initial Shut-in Pressure 1075 PSI @ (depth) 4435 w / Clock No. 8698  
(E) Second Initial Flow Pressure 12.3 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
(F) Second Final Flow Pressure 12.3 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_  
(G) Final Shut-in Pressure 1075 PSI Initial Opening 30 Final Flow 60  
(H) Final Hydrostatic Mud 2236 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2260	2263.9
(B) FIRST INITIAL FLOW PRESSURE	11	12.3
(C) FIRST FINAL FLOW PRESSURE	11	12.3
(D) INITIAL CLOSED-IN PRESSURE	1070	1074.8
(E) SECOND INITIAL FLOW PRESSURE	11	12.3
(F) SECOND FINAL FLOW PRESSURE	11	12.3
(G) FINAL CLOSED-IN PRESSURE	1070	1074.8
(H) FINAL HYDROSTATIC MUD	2230	2235.7

# TRILOBITE TESTING COMPANY L.L.C.

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## Test Ticket

No 4570

Well Name & No. <u>ROENT 1#</u>	Test No. <u>2</u>	Date <u>4-25-92</u>
Company <u>White &amp; Ellis Drilling</u>	Zone Tested <u>MARMA TON</u>	
Address <u>Box 78848 Wichita KS</u>	Elevation <u>2823 KB</u>	
Co. Rep./Geo. <u>TOM FUNK</u>	Cont. <u>WHE Rig 9</u>	Est. Ft. of Pay _____
Location: Sec. <u>4</u> Twp. <u>20s</u> Rge. <u>28W</u> Co. <u>LANE</u> State <u>KS</u>		
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>4417-4440</u>	Drill Pipe Size <u>4 1/2 XH</u>
Anchor Length <u>23</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>4412</u>	Hole Size — 77/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>4417</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>4440</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.4</u> <u>LCM TR</u> lb/gal.	Viscosity <u>44</u> Filtrate <u>12.0</u>
Tool Open @ <u>9:10 AM</u> Initial Blow <u>WEAK SUR TO 2 IN 30 MIN</u>	

Final Blow WEAK SUR TO 5 1/4 IN 10 MIN

Recovery — Total Feet <u>40</u>	Feet of Gas in Pipe <u>150</u>	Flush Tool? _____
Rec. <u>40</u> Feet Of <u>OIL MUD</u>	%gas <u>35</u> %oil _____	%water <u>65</u> %mud _____
Rec. _____ Feet Of _____	%gas _____%oil _____	%water _____%mud _____
Rec. _____ Feet Of _____	%gas _____%oil _____	%water _____%mud _____
Rec. _____ Feet Of _____	%gas _____%oil _____	%water _____%mud _____
Rec. _____ Feet Of _____	%gas _____%oil _____	%water _____%mud _____

BHT 113 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 2500 ppm System

- (A) Initial Hydrostatic Mud 2240 PSI AK1 Recorder No. 2023 Range 4000
- (B) First Initial Flow Pressure 11 PSI @ (depth) 4419 w/Clock No. 7452
- (C) First Final Flow Pressure 11 PSI AK1 Recorder No. 13308 Range 4700
- (D) Initial Shut-In Pressure 1070 PSI @ (depth) 4435 w/Clock No. 8698
- (E) Second Initial Flow Pressure 11 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_
- (F) Second Final Flow Pressure 11 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_
- (G) Final Shut-In Pressure 1070 PSI Initial Opening 30 Test
- (H) Final Hydrostatic Mud 2230 PSI Initial Shut-In 45 Jars \_\_\_\_\_

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Final Flow 60 Safety Joint \_\_\_\_\_  
Final Shut-In 60 Straddle \_\_\_\_\_  
Circ. Sub  NC  
Sampler \_\_\_\_\_

Approved By [Signature]  
Our Representative [Signature]  
Printcraft Printers - Hays, KS

Extra Packer \_\_\_\_\_  
Other \_\_\_\_\_  
TOTAL PRICE \$ 550.00

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name ROEHL #1 Test No. 3 Date 4/27/92  
Company WHITE & ELLIS DRILLING Zone MIDDLE CREEK  
Address BOX 48848 WICHITA KS 67202 Elevation 2823 K.B.  
Co. Rep./Geo. TOM FUNK Cont. WHITE & ELLIS RIG #9 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 6 Twp. 20S Rge. 28W Co. LANE State KS

Interval Tested 4360-4375 Drill Pipe Size 4.5 XH  
Anchor Length 15 Wt. Pipe I.D. - 2.7 Ft. Run \_\_\_\_\_  
Top Packer Depth 4360 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 4375 Mud Wt. 9.3 lb/Gal.  
Total Depth 4706 Viscosity 46 Filtrate 12

Tool Open @ 2:55 AM Initial Blow WEAK-BUILDING TO 1 1/2"

Final Blow WEAK - BUILDING TO 1/4"

Recovery - Total Feet 120 Flush Tool? NO

Rec. 120 Feet of WATER  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 124 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 2500 ppm System

(A) Initial Hydrostatic Mud 2316 PSI AK1 Recorder No. 7437 Range 4200

(B) First Initial Flow Pressure 62.4 PSI @ (depth) 4364 w / Clock No. 8179

(C) First Final Flow Pressure 80.9 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 923.5 PSI @ (depth) 4371 w / Clock No. 31152

(E) Second Initial Flow Pressure 80.9 PSI AK1 Recorder No. 13754 Range 4000

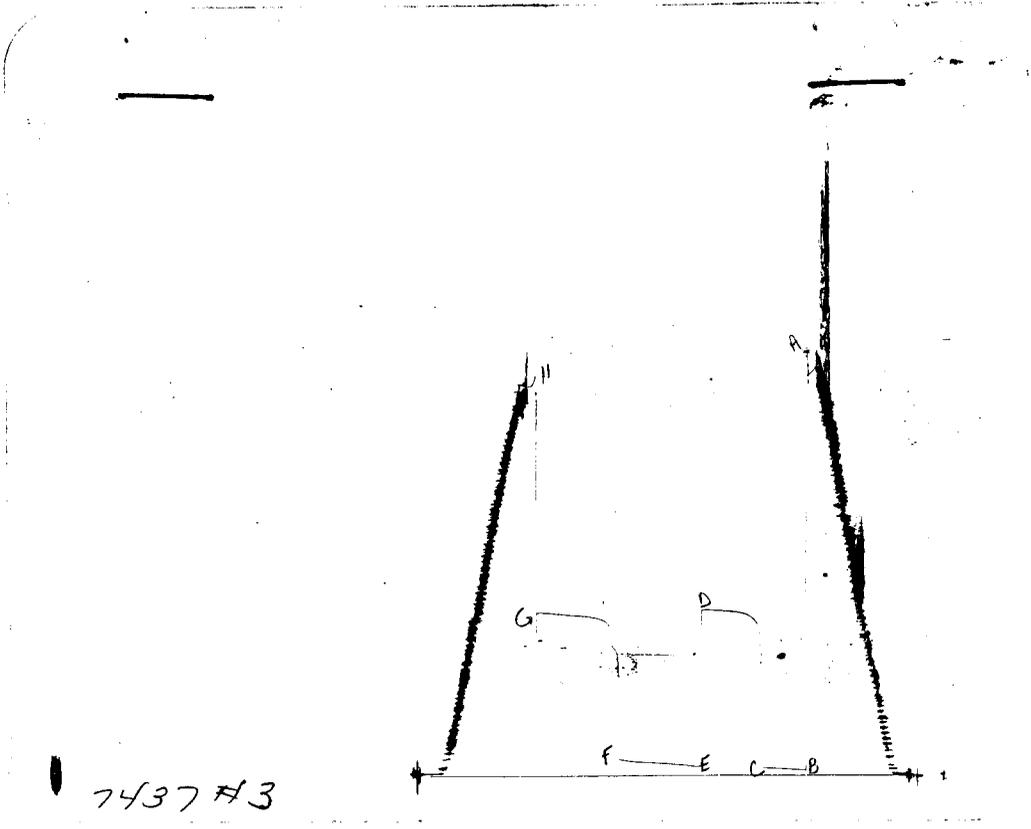
(F) Second Final Flow Pressure 104.7 PSI @ (depth) 4702 w / Clock No. 26199

(G) Final Shut-in Pressure 906.3 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2200 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative DAN BANGLE

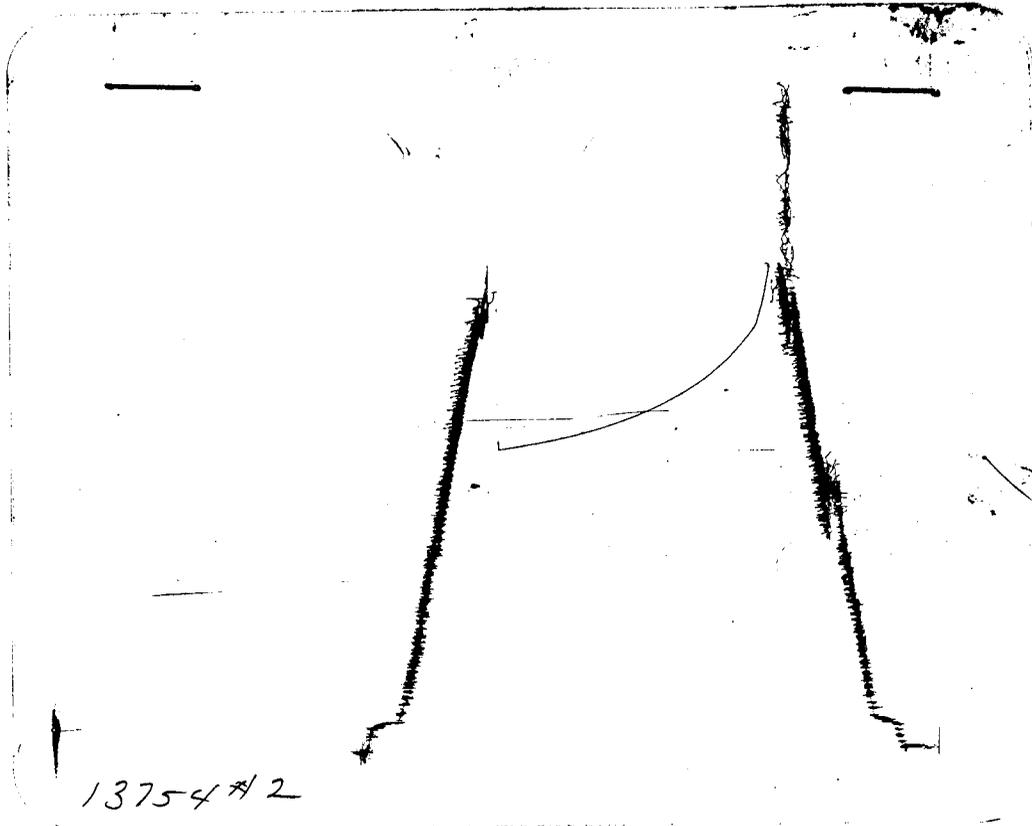
CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2312	2315.6
(B) FIRST INITIAL FLOW PRESSURE	55	62.4
(C) FIRST FINAL FLOW PRESSURE	77	80.9
(D) INITIAL CLOSED-IN PRESSURE	918	923.5
(E) SECOND INITIAL FLOW PRESSURE	77	80.9
(F) SECOND FINAL FLOW PRESSURE	100	104.7
(G) FINAL CLOSED-IN PRESSURE	896	906.3
(H) FINAL HYDROSTATIC MUD	2191	2199.7

CHART PAGE



This is an actual photograph of recorder chart

FIELD  
READING

OFFICE  
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

# Test Ticket

No 4756

Well Name & No. Rochl #1-6 Test No. 3 Date 4-27-92  
Company White + Ellis Drilg. Inc. Zone Tested Middle Creek  
Address \_\_\_\_\_ Elevation 2823 K.B.  
Co. Rep./Geo. Tom Funk Cont. White + Ellis #9 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 6 Twp. 20 Rge. 28 Co. Lane State Ks.  
No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 4360 - 4375 Drill Pipe Size 4.5 XH  
Anchor Length 15 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
Top Packer Depth 4360 Hole Size — 77/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
Bottom Packer Depth 4375 Wt. Pipe I.D. — 2.7 Ft. Run \_\_\_\_\_  
Total Depth 4706 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
Mud Wt. 9.3 lb/gal. Viscosity 46 Filtrate 12  
Tool Open @ 2:55 A.M. Initial Blow Weak - building to 1 1/2"  
Final Blow Weak - building to 4"

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?			
<u>120</u>					
Rec. <u>120</u> Feet Of <u>WTP.</u>		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud

BHT 124 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides 2500 ppm System

(A) Initial Hydrostatic Mud 2312 PSI AK1 Recorder No. 7437 Range 4200  
(B) First Initial Flow Pressure 55 PSI @ (depth) 4364 w/Clock No. 8179  
(C) First Final Flow Pressure 77 PSI AK1 Recorder No. 13849 Range 4375  
(D) Initial Shut-In Pressure 918 PSI @ (depth) 4371 w/Clock No. 31152  
(E) Second Initial Flow Pressure 77 PSI AK1 Recorder No. 13754 Range 4000  
(F) Second Final Flow Pressure 100 PSI @ (depth) 4702 w/Clock No. 26199  
(G) Final Shut-In Pressure 896 PSI Initial Opening 30 Test 550.00  
(H) Final Hydrostatic Mud 2191 PSI Initial Shut-In 45 Jars \_\_\_\_\_

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Final Flow 60 Safety Joint \_\_\_\_\_  
Final Shut-In 60 Straddle X 250.00  
Circ. Sub \_\_\_\_\_  
Sampler \_\_\_\_\_  
Extra Packer X 150.00  
Other \_\_\_\_\_  
TOTAL PRICE \$ 1000

Approved By [Signature]  
Our Representative [Signature]