

15-051-24171

# TRILOBITE TESTING COMPANY, L.L.C.

11-14-20W

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name BEFORT (Weber, Joe) Test No. 1 Date 3/31/92  
 Company BILL SPIVEY Zone Tested LKC-"B"  
 Address 120 W 35TH (P.O. BOX 717) HAYS KS Elevation 2186 G.L.  
 Co. Rep./Geo. CLIFF OTTAWAY Cont. HELBERG Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 11 Twp. 14S Rge. 20W Co. ELLIS State KS

Interval Tested 3495-3510 Drill Pipe Size 4.5 FH  
 Anchor Length 15 Wt. Pipe I.D. - 2.7 Ft. Run 751  
 Top Packer Depth 3490 Drill Collar - 2.25 Ft. Run 30  
 Bottom Packer Depth 3495  
 Total Depth 3510

Mud Wt. 9.5 lb / gal. Viscosity 40 Filtrate 12.2

Tool Open @ 4:34 AM Initial Blow WEAK BLOW DIED IN 24 MINUTES  
 Final Blow NO BLOW

Recovery — Total Feet 10 Flush Tool? NO

Rec. 10 Feet of MUD W/ OIL SPOTS IN TOOL

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 92 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides N/A ppm System

(A) Initial Hydrostatic Mud 1667.4 PSI Ak1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 14.2 PSI @ (depth) 3500 w/Clock No. 8698

(C) First Final Flow Pressure 14.2 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 102.3 PSI @ (depth) 3509 w/Clock No. 17640

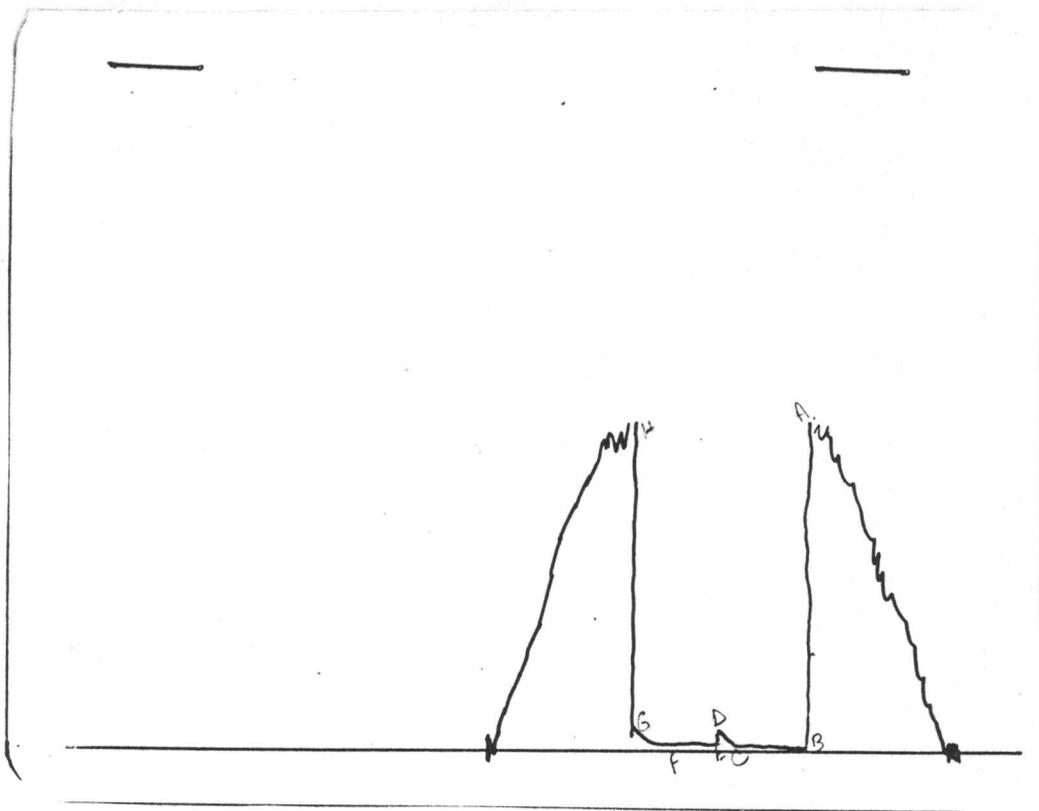
(E) Second Initial Flow Pressure 14.2 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 14.2 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 102.3 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1644.3 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative PAUL SIMPSON TOTAL PRICE \$ 550



POINT This is an actual photograph of recorder chart PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1660	1667.4
(B) FIRST INITIAL FLOW PRESSURE	12	14.2
(C) FIRST FINAL FLOW PRESSURE	12	14.2
(D) INITIAL CLOSED-IN PRESSURE	99	102.3
(E) SECOND INITIAL FLOW PRESSURE	12	14.2
(F) SECOND FINAL FLOW PRESSURE	12	14.2
(G) FINAL CLOSED-IN PRESSURE	99	102.3
(H) FINAL HYDROSTATIC MUD	1641	1644.3

# TRILOBITE TESTING COMPANY L.L.C.

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## Test Ticket

No 4787

Well Name & No. <u>Befort</u>	Test No. <u>1</u>	Date <u>3-31-92</u>
Company <u>Bill Spivay</u>	Zone Tested <u>LKC B</u>	
Address _____	Elevation <u>2186 GL</u>	
Co. Rep./Geo. <u>Cliff Ottaway</u>	Cont. <u>Helberg</u>	Est. Ft. of Pay _____
Location: Sec. <u>11</u> Twp. <u>14s</u> Rge. <u>20w</u> Co. <u>Ellis</u> State <u>KS</u>		
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>3495-3510</u>	Drill Pipe Size <u>4 1/2 FH</u>
Anchor Length <u>15</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3490</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3495</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>751</u>
Total Depth <u>3510</u>	Drill Collar — 2.25 Ft. Run <u>30</u>
Mud Wt. <u>9.5</u> lb/gal.	Viscosity <u>40</u> Filtrate <u>12.2</u>
Tool Open @ <u>4:34 AM</u>	Initial Blow <u>Weak blow died in 2.4 minutes</u>
Final Blow <u>NO blow</u>	

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>10</u> Feet Of <u>mud/oil sands mixed</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 92 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

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

(A) Initial Hydrostatic Mud <u>1660</u> PSI	Ak1 Recorder No. <u>22150</u>	Range <u>3925</u>
(B) First Initial Flow Pressure <u>12</u> PSI	@ (depth) <u>3500</u>	w/Clock No. <u>8698</u>
(C) First Final Flow Pressure <u>12</u> PSI	Ak1 Recorder No. <u>10248</u>	Range <u>4400</u>
(D) Initial Shut-In Pressure <u>99</u> PSI	@ (depth) <u>3509</u>	w/Clock No. <u>17640</u>
(E) Second Initial Flow Pressure <u>12</u> PSI	Ak1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>12</u> PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>99</u> PSI	Initial Opening <u>30</u>	Test _____
(H) Final Hydrostatic Mud <u>1641</u> PSI	Initial Shut-In <u>30</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 30 Safety Joint \_\_\_\_\_  
Final Shut-In 30 Straddle \_\_\_\_\_

Approved By [Signature] \_\_\_\_\_  
Our Representative [Signature] \_\_\_\_\_  
Sampler \_\_\_\_\_  
Extra Packer \_\_\_\_\_  
Other \_\_\_\_\_

# TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name BEFORT (Weber, Joe) Test No. 2 Date 4/1/92  
Company BILL SPIVEY Zone Tested GRAHAM SAND  
Address 120 W 35TH (P.O. BOX 717) HAYS KS Elevation 2186 G.L.  
Co. Rep./Geo. CLIFF OTTAWAY Cont. HELBERG Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 11 Twp. 14S Rge. 20W Co. ELLIS State KS

Interval Tested 3780-3800 Drill Pipe Size 4.5 FH  
Anchor Length 20 Wt. Pipe I.D. - 2.7 Ft. Run 751  
Top Packer Depth 3775 Drill Collar - 2.25 Ft. Run 30  
Bottom Packer Depth 3780  
Total Depth 3800

Mud Wt. 9.6 lb / gal. Viscosity 42 Filtrate 11.2

Tool Open @ 9:32 PM Initial Blow WEAK 1/4" BLOW BUILDING TO 1"

Final Blow NO BLOW

Recovery — Total Feet 15 Flush Tool? NO

Rec. 15 Feet of SLTLY OIL SPECKED MUD

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 106 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides N/A ppm System

(A) Initial Hydrostatic Mud 1876.9 PSI Ak1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 22.6 PSI @ (depth) 3785 w/Clock No. 8698

(C) First Final Flow Pressure 34.8 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 810.7 PSI @ (depth) 3799 w/Clock No. 17642

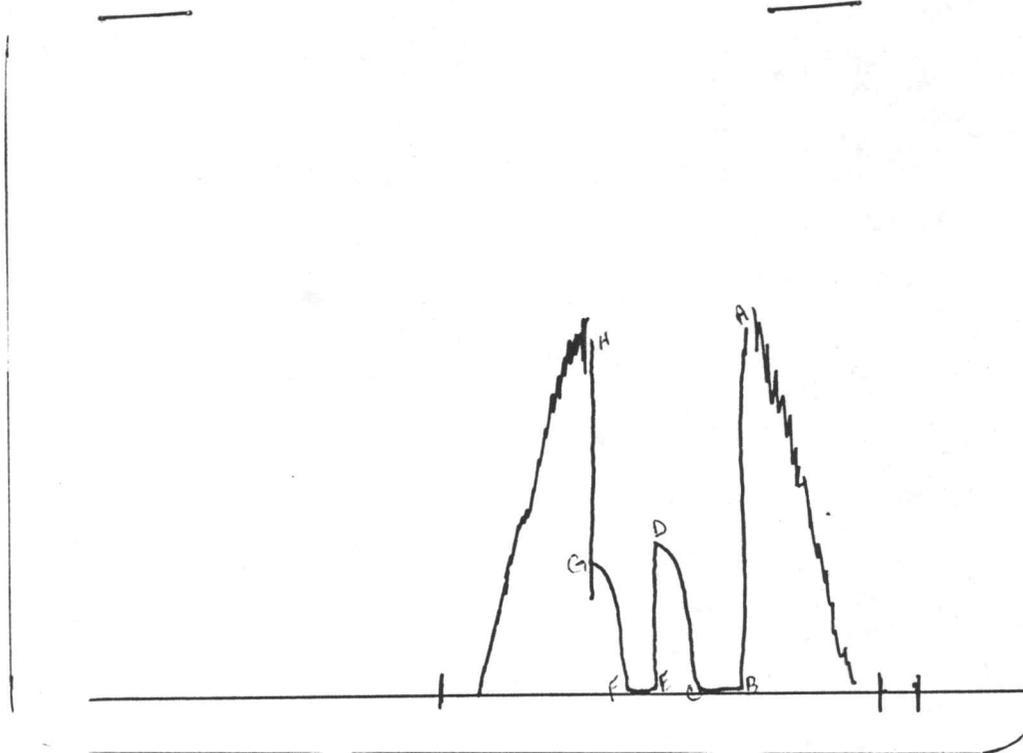
(E) Second Initial Flow Pressure 34.8 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 34.8 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 704.9 PSI Initial Opening 30 Final Flow 15

(H) Final Hydrostatic Mud 1830.7 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative PAUL SIMPSON TOTAL PRICE \$ 550



POINT This is an actual photograph of recorder chart PRESSURE

POINT	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1875	1876.9
(B) FIRST INITIAL FLOW PRESSURE	20	22.6
(C) FIRST FINAL FLOW PRESSURE	30	34.8
(D) INITIAL CLOSED-IN PRESSURE	808	810.7
(E) SECOND INITIAL FLOW PRESSURE	30	34.8
(F) SECOND FINAL FLOW PRESSURE	30	34.8
(G) FINAL CLOSED-IN PRESSURE	700	704.9
(H) FINAL HYDROSTATIC MUD	1826	1830.7

# TRILOBITE TESTING COMPANY L.L.C.

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## Test Ticket

No 4788

Well Name & No. <u>Bedford</u>	Test No. <u>2</u>	Date <u>4-1-92</u>
Company <u>Bill Spivey</u>	Zone Tested <u>Franklin Sand</u>	
Address _____	Elevation <u>2186 6-2</u>	
Co. Rep./Geo. <u>Cliff Otway</u>	Cont. <u>Halberg</u>	Est. Ft. of Pay _____
Location: Sec. <u>11</u>	Twp. <u>14s</u>	Rge. <u>20w</u>
	Co. <u>Ellis</u>	State <u>KS</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>3780-3800</u>	Drill Pipe Size <u>4 1/2 FH</u>
Anchor Length <u>20</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3775</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3780</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>751</u>
Total Depth <u>3800</u>	Drill Collar — 2.25 Ft. Run <u>30</u>
Mud Wt. <u>9.6</u> lb/gal.	Viscosity <u>42</u> Filtrate <u>11.2</u>
Tool Open @ <u>9:32 AM</u>	Initial Blow <u>work 1/4" blow building to 1"</u>

Final Blow no blow

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?	% gas	% oil	% water	% mud
<u>15</u>	<u>sl oil speckled mud</u>					
_____	_____					
_____	_____					
_____	_____					
_____	_____					

BHT 106 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

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

(A) Initial Hydrostatic Mud <u>1875</u> PSI	AK1 Recorder No. <u>22150</u>	Range <u>3925</u>
(B) First Initial Flow Pressure <u>20</u> PSI	@ (depth) <u>3785</u>	w/Clock No. <u>8698</u>
(C) First Final Flow Pressure <u>30</u> PSI	AK1 Recorder No. <u>10248</u>	Range <u>4400</u>
(D) Initial Shut-In Pressure <u>808</u> PSI	@ (depth) <u>3799</u>	w/Clock No. <u>17642</u>
(E) Second Initial Flow Pressure <u>30</u> PSI	AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>30</u> PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>700</u> PSI	Initial Opening <u>30</u>	Test _____
(H) Final Hydrostatic Mud <u>1826</u> PSI	Initial Shut-In <u>30</u>	Jars _____

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Final Flow <u>15</u>	Safety Joint _____
Final Shut-In <u>30</u>	Straddle _____
	Circ. Sub _____
	Sampler _____
	Extra Packer _____
	Other _____

Approved By [Signature]  
 Our Representative Paul Simpson

TOTAL PRICE \$ \_\_\_\_\_

# TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name BEFORT (Weber, Joe) Test No. 3 Date 4/2/92  
Company BILL SPIVEY Zone Tested ARBUCKLE  
Address 120 W 35TH (P.O. BOX 717) HAYS KS Elevation 2186 G.L.  
Co. Rep./Geo. CLIFF OTTAWAY Cont. HELBERG Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 11 Twp. 14S Rge. 20W Co. ELLIS State KS

Interval Tested 3799-3830 Drill Pipe Size 4.5 FH  
Anchor Length 31 Wt. Pipe I.D. - 2.7 Ft. Run 751  
Top Packer Depth 3794 Drill Collar - 2.25 Ft. Run 30  
Bottom Packer Depth 3799  
Total Depth 3830

Mud Wt. 9.6 lb / gal. Viscosity 40 Filtrate 12.8

Tool Open @ 1:15 PM Initial Blow 3/4" BLOW BUILDING TO 4.5"

Final Blow WEAK SURFACE BLOW BUILDING TO 1"

Recovery - Total Feet 130 Flush Tool? NO

Rec. 10 Feet of SLTLY OIL CUT MUD-10%OIL/90%MUD

Rec. 120 Feet of SLTLY OIL CUT MUD-5%OIL/95%MUD

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 114 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides N/A ppm System

(A) Initial Hydrostatic Mud 2098.7 PSI Ak1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 42.6 PSI @ (depth) 3804 w/Clock No. 17840

(C) First Final Flow Pressure 53.8 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1088.7 PSI @ (depth) 3829 w/Clock No. 8698

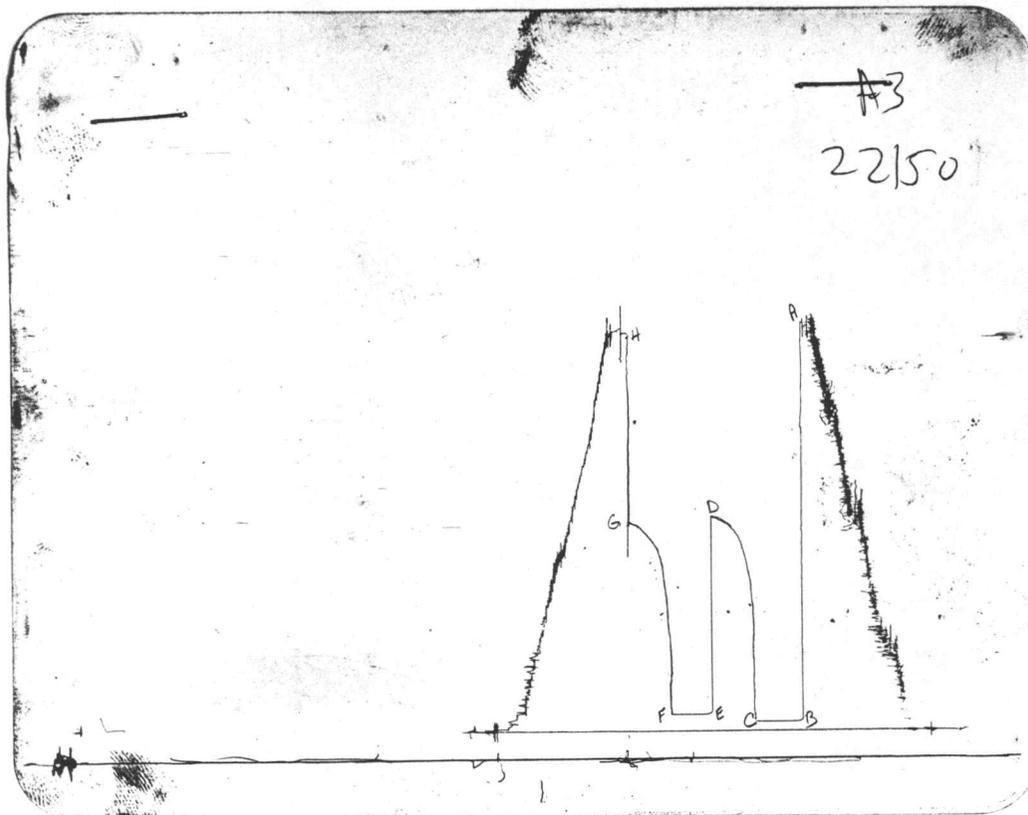
(E) Second Initial Flow Pressure 63.9 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 63.9 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 1070.8 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2077.9 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative PAUL SIMPSON TOTAL PRICE \$ 550



POINT

This is an actual photograph of recorder chart  
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2090	2098.7
(B) FIRST INITIAL FLOW PRESSURE	40	42.6
(C) FIRST FINAL FLOW PRESSURE	49	53.8
(D) INITIAL CLOSED-IN PRESSURE	1085	1088.7
(E) SECOND INITIAL FLOW PRESSURE	59	63.9
(F) SECOND FINAL FLOW PRESSURE	59	63.9
(G) FINAL CLOSED-IN PRESSURE	1065	1070.8
(H) FINAL HYDROSTATIC MUD	2071	2077.9

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## Test Ticket

No 4789

Well Name & No. <u>Beford #1</u>	Test No. <u>3</u>	Date <u>4-2-92</u>
Company <u>Bill Spivey</u>	Zone Tested <u>Arbelle</u>	
Address <u>PO Box 717 Hays, KS 67601</u>	Elevation <u>2186</u>	
Co. Rep./Geo. <u>Cliff Ottaway</u>	Cont. <u>Helberg</u>	Est. Ft. of Pay _____
Location: Sec. <u>11</u> Twp. <u>14S</u> Rge. <u>20W</u> Co. <u>Ellis</u> State <u>Ks</u>		
No. of Copies <u>4</u> Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____		

Interval Tested <u>3799-3830</u>	Drill Pipe Size <u>4 1/2 FH</u>
Anchor Length <u>31</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3794</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3799</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>751</u>
Total Depth <u>3830</u>	Drill Collar — 2.25 Ft. Run <u>30</u>
Mud Wt. <u>9.6</u> lb/gal.	Viscosity <u>40</u> Filtrate <u>12.8</u>
Tool Open @ <u>1:15 PM</u> Initial Blow <u>3/4" blow building to 4 1/2"</u>	
Final Blow <u>weak surface blow building to 1"</u>	

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>10</u> Feet Of <u>SOCM</u>	%gas <u>10</u> %oil _____ %water <u>90</u> %mud _____	
Rec. <u>120</u> Feet Of <u>SOCM</u>	%gas <u>5</u> %oil _____ %water <u>95</u> %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 114 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

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

(A) Initial Hydrostatic Mud, <u>2090</u> PSI	AK1 Recorder No. <u>22150</u>	Range <u>3925</u>
(B) First Initial Flow Pressure <u>40</u> PSI	@ (depth) <u>3804</u>	w/Clock No. <u>17840</u>
(C) First Final Flow Pressure <u>49</u> PSI	AK1 Recorder No. <u>10248</u>	Range <u>4400</u>
(D) Initial Shut-In Pressure <u>1085</u> PSI	@ (depth) <u>3829</u>	w/Clock No. <u>8698</u>
(E) Second Initial Flow Pressure <u>59</u> PSI	AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>59</u> PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>1065</u> PSI	Initial Opening <u>30</u>	Test _____
(H) Final Hydrostatic Mud <u>2071</u> PSI	Initial Shut-In <u>30</u>	Jars _____

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Approved By \_\_\_\_\_

Our Representative Bill Spivey

Final Flow 30 Safety Joint \_\_\_\_\_

Final Shut-In 30 Straddle \_\_\_\_\_

Circ. Sub \_\_\_\_\_

Sampler \_\_\_\_\_

Extra Packer \_\_\_\_\_

Other \_\_\_\_\_

TOTAL PRICE \$ \_\_\_\_\_