

15-051-24181 26-14-18W
TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 M. HERTEL Test No. 1 Date 3/27/92
Company TDI OIL OPERATIONS Zone Tested LKC-"B-C"
Address 214 W 16th HAYS KS 67601 Elevation 2031
Co. Rep./Geo. DAVE SCHUMACHER Cont. EMPHASIS RIG #5 Est. Ft. of Pay 3
Location: Sec. 26 Twp. 14S Rge. 18W Co. ELLIS State KS

Interval Tested 3329-3380
Anchor Length 51
Top Packer Depth 3324
Bottom Packer Depth 3329
Total Depth 3380

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run 605
Drill Collar - 2.25 Ft. Run

Mud Wt. 8.8 lb / gal. Viscosity 51 Filtrate 9.2

Tool Open @ 9:22 AM Initial Blow 1" BLOW BUILDING TO BOTTOM OF BUCKET IN 14 MINUTE

Final Blow 1" BLOW BUILDING TO 5"-(BLOW BACK BUILT TO 1/2")

Recovery — Total Feet 180 Flush Tool? NO

Rec. 480 Feet of GAS IN PIPE

Rec. 60 Feet of GASSY HEAVY OIL CUT MUD-15%GAS/35%OIL/50%MUD

Rec. 60 Feet of GASSY MUD CUT OIL-5%GAS/75%OIL/5%WTR/15%MUD

Rec. 60 Feet of GASSY MUD CUT OIL-30%GAS/53%OIL/5%WTR/12%MUD

Rec. 94 Feet of

BHT 94 °F Gravity °API @ °F Corrected Gravity °API

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

(A) Initial Hydrostatic Mud 1625.9 PSI Ak1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 45.4 PSI @ (depth) 3379 w/Clock No. 17640

(C) First Final Flow Pressure 70.1 PSI Ak1 Recorder No. 24174 Range 3925

(D) Initial Shut-in Pressure 793.7 PSI @ (depth) 3365 w/Clock No. 25810

(E) Second Initial Flow Pressure 84 PSI Ak1 Recorder No. Range

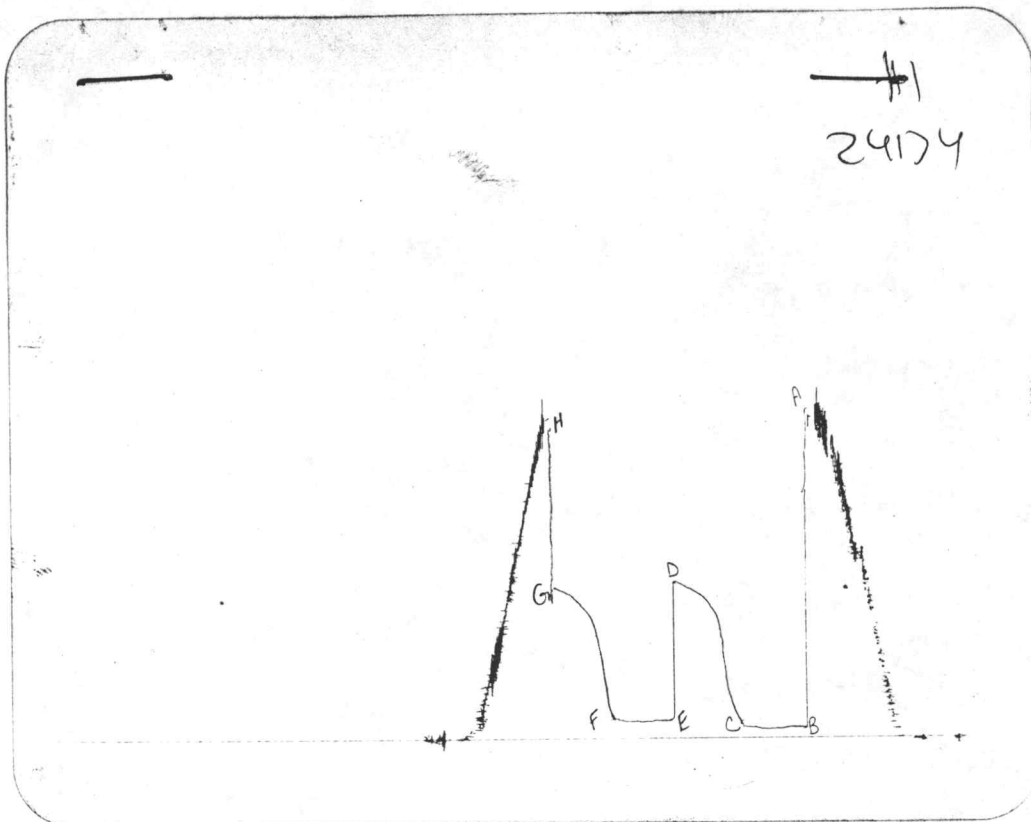
(F) Second Final Flow Pressure 98.8 PSI @ (depth) w/Clock No.

(G) Final Shut-in Pressure 757.3 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1583.9 PSI Initial Shut-in 45 Final Shut-in 45

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	1621	1625.9
(B) FIRST INITIAL FLOW PRESSURE	39	45.4
(C) FIRST FINAL FLOW PRESSURE	59	70.1
(D) INITIAL CLOSED-IN PRESSURE	779	793.7
(E) SECOND INITIAL FLOW PRESSURE	79	84
(F) SECOND FINAL FLOW PRESSURE	89	98.8
(G) FINAL CLOSED-IN PRESSURE	740	757.3
(H) FINAL HYDROSTATIC MUD	1582	1583.9

CALCULATED RECOVERY ANALYSIS

WEIGHT PIPE

DST #

1

TICKET #

4784

SAMPLE #	TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
1	60	15	9	35	21	0	0	50	30
2	60	5	3	75	45	5	3	15	9
3	60	30	18	53	31.8	5	3	12	7.2
4			0		0		0		0
5			0		0		0		0
TOTAL	180	16.67	30	54.333333	97.8	3.3333	6	25.667	46.2

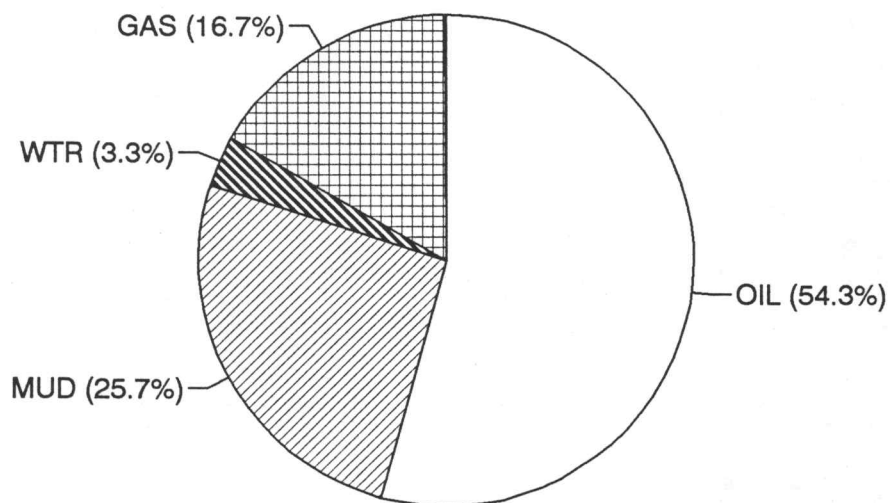
HRS OPEN BBL/DAY

BBL OIL= 0.6846 * 1.5 10.9536

BBL WATER= 0.042 * 0.672

BBL MUD= 0.3234

BBL GAS= 0.21



0.071	70.18794
0.085	84.02781
0.14	138.32
0.247	244.036
0.404	399.2522
0.542	535.3692
0.617	609.0194
0.66	651.2943
0.69	680.7754
0.714	704.3549
0.734	724.0008
0.751	740.6963
0.767	756.4066
0.779	768.1875
0.786	775.0589
0.796	784.8742
0.805	793.7121

0.1	98.8
0.115	113.62
0.228	225.264
0.368	363.6466
0.493	487.1843
0.569	561.8801
0.619	610.9862
0.651	642.4479
0.675	666.0362
0.694	684.7054
0.712	702.39
0.729	719.0898
0.742	731.8579
0.752	741.6783
0.763	752.4793
0.768	757.3884

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 4784

Correct address on DST A3

Well Name & No. <u>#1 M. Hertel</u>	Test No. <u>1</u>	Date <u>3-27-92</u>
Company <u>T D I Oil Operations</u>	Zone Tested <u>LKC 'B-C'</u>	
Address <u>Box 26 Hays KS 67601-0026</u>	Elevation <u>2031 K13</u>	
Co. Rep./Geo. <u>Dave Shumaker</u>	Cont. <u>Emphasis #5</u>	Est. Ft. of Pay <u>3</u>
Location: Sec. <u>26</u> Twp. <u>14s</u> Rge. <u>15w</u>	Co. <u>Ellis</u>	State <u>Ks</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>3329-3380</u>	Drill Pipe Size <u>4 1/2 x 14</u>
Anchor Length <u>51</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3324</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3329</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>605</u>
Total Depth <u>3380</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>8.8</u> lb/gal.	Viscosity <u>51</u> Filtrate <u>9.2</u>
Tool Open @ <u>9:22 AM</u>	Initial Blow <u>1" blow building to bottom of bucket in 14 minutes</u>
Final Blow <u>1" blow building to 5" (blow back built to 1/2")</u>	

Recovery — Total Feet <u>180</u>	Feet of Gas in Pipe <u>480</u>	Flush Tool? _____
Rec. <u>60</u> Feet Of <u>Gas HOLM</u>	<u>15</u> %gas <u>35</u> %oil	%water <u>50</u> %mud
Rec. <u>60</u> Feet Of <u>Gas MO</u>	<u>5</u> %gas <u>75</u> %oil	<u>5</u> %water <u>15</u> %mud
Rec. <u>60</u> Feet Of <u>Gas MCO</u>	<u>30</u> %gas <u>53</u> %oil	<u>5</u> %water <u>12</u> %mud
Rec. _____ Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____

BHT 94 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud <u>1621</u>	PSI Ak1 Recorder No. <u>13337</u>	Range <u>3925</u>
(B) First Initial Flow Pressure <u>39</u>	PSI @ (depth) <u>3329</u>	w/Clock No. <u>1740</u>
(C) First Final Flow Pressure <u>59</u>	PSI AK1 Recorder No. <u>24174</u>	Range <u>3925</u>
(D) Initial Shut-In Pressure <u>779</u>	PSI @ (depth) <u>3365</u>	w/Clock No. <u>25810</u>
(E) Second Initial Flow Pressure <u>79</u>	PSI AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>89</u>	PSI @ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>740</u>	PSI Initial Opening <u>45</u>	Test <u>X</u>
(H) Final Hydrostatic Mud <u>1582</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.

Approved By Dave Shumaker

Our Representative Paul Simpson

Safety Joint _____
Straddle _____
Circ. Sub _____
Sampler _____
Extra Packer _____
Other _____

TOTAL PRICE \$ 5500

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 M. HERTEL Test No. 2 Date 3/27/92
Company TDI OIL OPERATIONS Zone Tested LKC-"F-G"
Address 214 W 16th HAYS KS 67601 Elevation 2031
Co. Rep./Geo. DAVE SCHUMACHER Cont. EMPHASIS RIG #5 Est. Ft. of Pay _____
Location: Sec. 26 Twp. 14S Rge. 18W Co. ELLIS State KS

Interval Tested 3377-3422
Anchor Length 45
Top Packer Depth 3372
Bottom Packer Depth 3377
Total Depth 3422

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run 605
Drill Collar - 2.25 Ft. Run _____

Mud Wt. 8.7 lb / gal. Viscosity 46 Filtrate 6

Tool Open @ 10:22 PM Initial Blow 1" BLOW BUILDING TO BOTTOM OF BUCKET IN 26 MINUTE

Final Blow 3/4" BLOW BUILDING

Recovery — Total Feet 375 Flush Tool? NO

Rec. 375 Feet of MUDDY SALT WATER

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 106 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 0.224 @ 57.8 °F Chlorides 41000 ppm Recovery Chlorides 5600 ppm System

(A) Initial Hydrostatic Mud 1660.9 PSI Ak1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 53.7 PSI @ (depth) 3421 w/Clock No. 17640

(C) First Final Flow Pressure 131.4 PSI Ak1 Recorder No. 24174 Range 3925

(D) Initial Shut-in Pressure 669.8 PSI @ (depth) 3410 w/Clock No. 25810

(E) Second Initial Flow Pressure 152.8 PSI Ak1 Recorder No. _____ Range _____

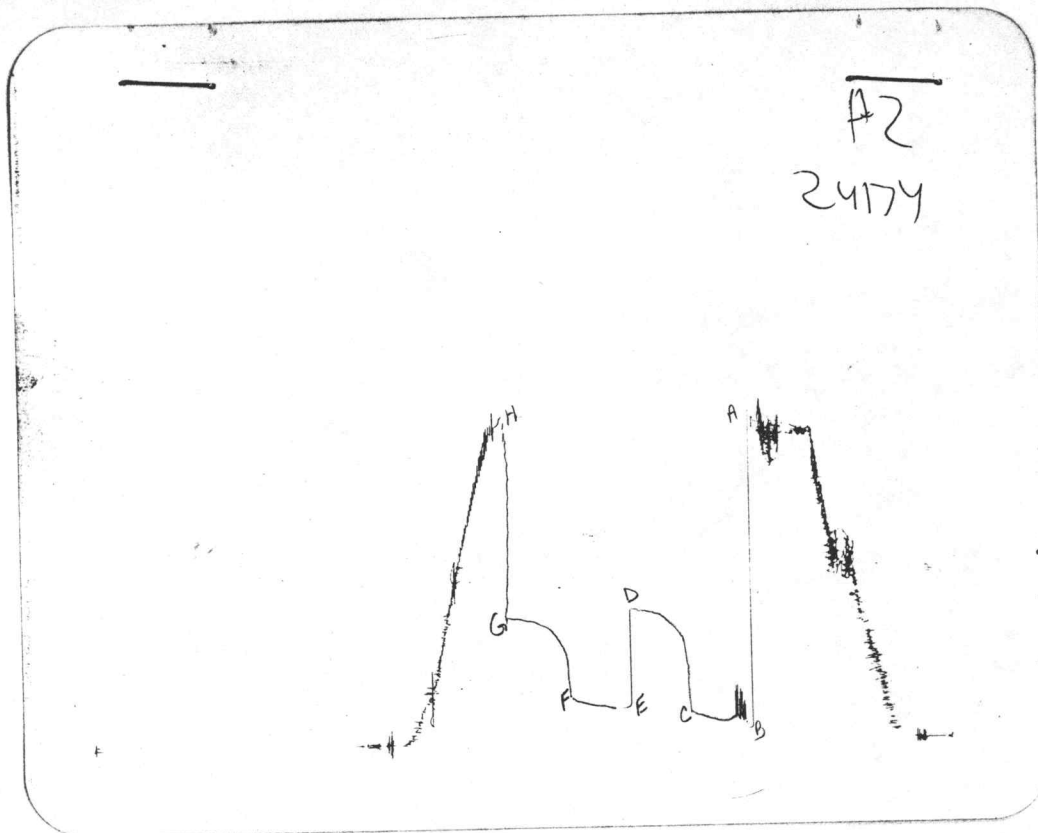
(F) Second Final Flow Pressure 230.7 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 644.8 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1622.3 PSI Initial Shut-in 45 Final Shut-in 45

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	1650	1660.9
(B) FIRST INITIAL FLOW PRESSURE	49	53.7
(C) FIRST FINAL FLOW PRESSURE	128	131.4
(D) INITIAL CLOSED-IN PRESSURE	661	669.8
(E) SECOND INITIAL FLOW PRESSURE	148	152.8
(F) SECOND FINAL FLOW PRESSURE	227	230.7
(G) FINAL CLOSED-IN PRESSURE	642	644.8
(H) FINAL HYDROSTATIC MUD	1621	1622.3

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 4785

Well Name & No. <u>H1 M. Hengel</u>	Test No. <u>2</u>	Date <u>3-27-92</u>
Company <u>T D I Oil Operations</u>	Zone Tested <u>LKC 'FG'</u>	
Address _____	Elevation <u>2031</u>	
Co. Rep./Geo. <u>Dave Shomaker</u>	Cont. <u>Emphasis #5</u>	Est. Ft. of Pay _____
Location: Sec. <u>26</u> Twp. <u>14s</u> Rge. <u>18w</u> Co. <u>Ellis</u> State <u>Ks</u>		
No. of Copies <u>2</u> Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____		

Interval Tested <u>3377-3422</u>	Drill Pipe Size <u>4 1/2 XH</u>
Anchor Length <u>45</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3372</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3377</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>3422</u>	Drill Collar — 2.25 Ft. Run <u>605</u>
Mud Wt. <u>8.7</u> lb/gal.	Viscosity <u>46</u> Filtrate <u>6.0</u>
Tool Open @ <u>10:22 PM</u> Initial Blow <u>1" blow building to bottom of bucket in 26</u>	
Minutes _____	
Final Blow <u>3/4" blow building to</u>	

Recovery — Total Feet <u>375</u>	Feet of Gas in Pipe _____	Flush Tool? _____
Rec. <u>375</u> Feet Of <u>Caustic salt water</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 <u>106</u> °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API	
RW <u>224</u> @ <u>57.8</u> °F Chlorides <u>41,000</u> ppm Recovery Chlorides <u>5600</u> ppm System	
(A) Initial Hydrostatic Mud <u>1650</u> PSI AK1 Recorder No. <u>13337</u> Range <u>3925</u>	
(B) First Initial Flow Pressure <u>49</u> PSI @ (depth) <u>3421</u> w/Clock No. <u>17640</u>	
(C) First Final Flow Pressure <u>128</u> PSI AK1 Recorder No. <u>24174</u> Range <u>3925</u>	
(D) Initial Shut-In Pressure <u>661</u> PSI @ (depth) <u>3410</u> w/Clock No. <u>25510</u>	
(E) Second Initial Flow Pressure <u>148</u> PSI AK1 Recorder No. _____ Range _____	
(F) Second Final Flow Pressure <u>227</u> PSI @ (depth) _____ w/Clock No. _____	
(G) Final Shut-In Pressure <u>642</u> PSI Initial Opening <u>45</u> Test _____	
(H) Final Hydrostatic Mud <u>1621</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.

Approved By Dave Shomaker
 Our Representative Paul Simpson

Final Flow 45 Safety Joint _____
 Final Shut-In 45 Straddle _____
 Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 550.00

TRILOBITE TESTING COMPANY, L.L.C.
P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 M. HERTEL Test No. 3 Date 3/28/92
Company TDI OIL OPERATIONS Zone Tested LKC-"K-L"
Address 214 W 16th HAYS KS 67601 Elevation 2031
Co. Rep./Geo. DAVE SCHUMACHER Cont. EMPHASIS RIG #5 Est. Ft. of Pay _____
Location: Sec. 26 Twp. 14S Rge. 18W Co. ELLIS State KS

Interval Tested 3500-3564
Anchor Length 64
Top Packer Depth 3495
Bottom Packer Depth 3500
Total Depth 3564

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run 605
Drill Collar — 2.25 Ft. Run _____

Mud Wt. 9.1 lb / gal. Viscosity 44 Filtrate 10.4

Tool Open @ 4:55 PM Initial Blow (SLID TOOL 6" TOOL BOTTOM WHEN OPENED)-3" BLOW
BUILDING TO BOTTOM OF BUCKET IN 9 MINUTES
Final Blow 1" BLOW BUILDING TO BOTTOM OF BUCKET IN 8 MINUTES

Recovery — Total Feet 1575 Flush Tool? NO

Rec. 1575 Feet of SALT WATER

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 115 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 0.246 @ 58 °F Chlorides 32000 ppm Recovery Chlorides 11500 ppm System

(A) Initial Hydrostatic Mud 1770.4 PSI Ak1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 102.3 PSI @ (depth) 3563 w/Clock No. 14389

(C) First Final Flow Pressure 459.8 PSI AK1 Recorder No. 24174 Range 3925

(D) Initial Shut-in Pressure 841.2 PSI @ (depth) 3540 w/Clock No. 25810

(E) Second Initial Flow Pressure 535.6 PSI AK1 Recorder No. _____ Range _____

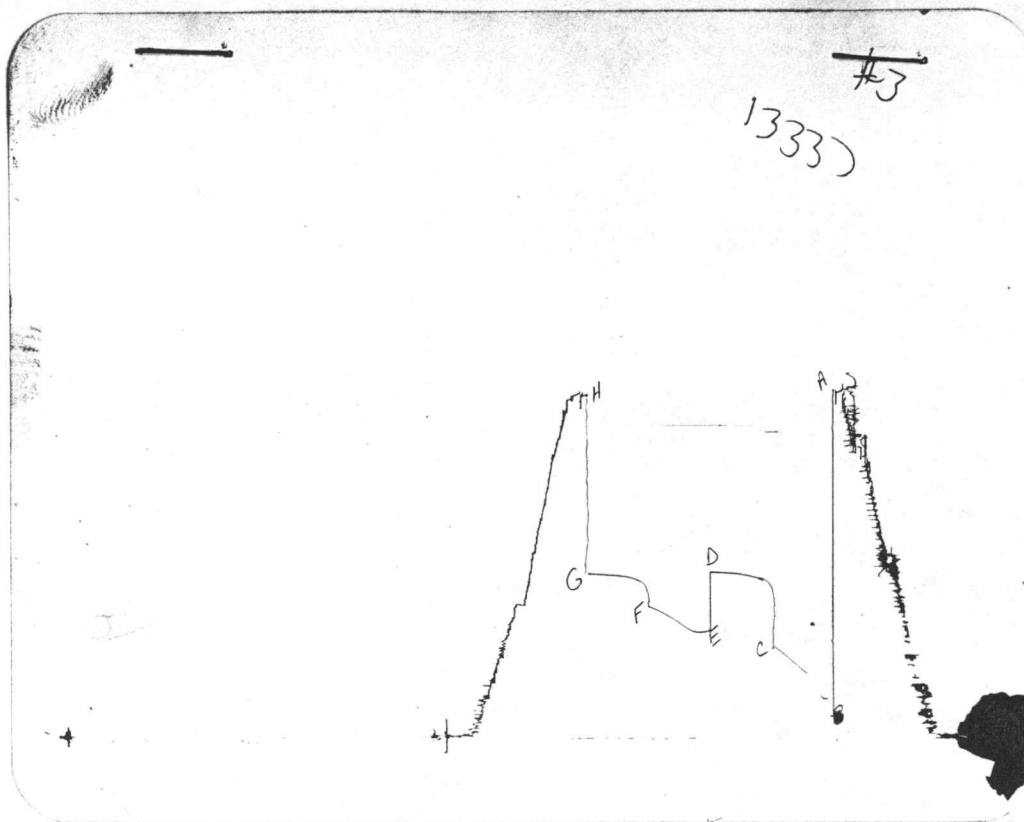
(F) Second Final Flow Pressure 666.7 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-in Pressure 841.2 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1740.9 PSI Initial Shut-in 45 Final Shut-in 45

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	1767	1770.4
(B) FIRST INITIAL FLOW PRESSURE	99	102.3
(C) FIRST FINAL FLOW PRESSURE	454	459.8
(D) INITIAL CLOSED-IN PRESSURE	838	841.2
(E) SECOND INITIAL FLOW PRESSURE	533	535.6
(F) SECOND FINAL FLOW PRESSURE	661	666.7
(G) FINAL CLOSED-IN PRESSURE	838	841.2
(H) FINAL HYDROSTATIC MUD	1738	1740.9

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Note: Correct

Address on this ticket

Test Ticket

No 4786

Well Name & No. <u>#1 M. Hertel</u>	Test No. <u>3</u>	Date <u>3-28-92</u>
Company <u>TOT Oil Operations</u>	Zone Tested <u>LKL K-L</u>	
Address <u>214 W. 16th Hays Ks 67601</u>	Elevation <u>2031</u>	
Co. Rep./Geo. <u>Dave Shumaker</u>	Cont. <u>Emphasis #5</u>	Est. Ft. of Pay _____
Location: Sec. <u>26</u>	Twp. <u>14s</u>	Rge. <u>18w</u>
	Co. <u>Ells</u>	State <u>Ks</u>
No. of Copies <u>2</u>	Distribution Sheet _____	Yes _____ No _____ Turnkey _____
		Yes _____ No _____ Evaluation _____

Interval Tested <u>3500-3564</u>	Drill Pipe Size <u>4 1/2 KH</u>
Anchor Length <u>64</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3495</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3500</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>605</u>
Total Depth <u>3564</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.1</u> lb/gal.	Viscosity <u>44</u> Filtrate <u>10.4</u>
Tool Open @ <u>4:55 PM</u>	Initial Blow <u>(slid tool 6' tool bottom when opened)</u>
	<u>3" blow</u>
	<u>building to bottom of bucket in 9 minutes</u>
Final Blow <u>1" blow building to bottom of bucket in 8 minutes</u>	

Recovery — Total Feet <u>1575</u>	Feet of Gas in Pipe _____	Flush Tool? _____
Rec. <u>1575</u>	Feet Of <u>salt water</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 <u>115</u> °F Gravity _____	°API @ _____	°F Corrected Gravity _____	°API _____
RW <u>246</u> @ <u>58</u> °F	Chlorides <u>3490</u> ppm	Recovery _____	Chlorides <u>11,500</u> ppm System
(A) Initial Hydrostatic Mud <u>1267</u>	PSI Ak1 Recorder No. <u>13337</u>	Range <u>3975</u>	
(B) First Initial Flow Pressure <u>99</u>	PSI @ (depth) <u>3563</u>	w/Clock No. <u>14389</u>	
(C) First Final Flow Pressure <u>454</u>	PSI AK1 Recorder No. <u>24174</u>	Range <u>3925</u>	
(D) Initial Shut-In Pressure <u>838</u>	PSI @ (depth) <u>3540</u>	w/Clock No. <u>25810</u>	
(E) Second Initial Flow Pressure <u>533</u>	PSI AK1 Recorder No. _____	Range _____	
(F) Second Final Flow Pressure <u>661</u>	PSI @ (depth) _____	w/Clock No. _____	
(G) Final Shut-In Pressure <u>838</u>	PSI Initial Opening <u>45</u>	Test _____	
(H) Final Hydrostatic Mud <u>1738</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.

Approved By [Signature]

Our Representative [Signature]

Final Flow 45 Safety Joint _____
 Final Shut-In 45 Straddle _____
 Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Other _____

TOTAL PRICE \$ 550.00