

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 CARTER "L" Test No. 1 Date 2/28/95
Company PICKRELL DRILLING COMPANY INC Zone FORT SCOTT
Address 110 N. MARKET, WICHITA, KS 67202 Elevation 2519
Co. Rep./Geo. BILL KLAVER Cont. PICKRELL #10 Est. Ft. of Pay _____
Location: Sec. 4 Twp. 16S Rge. 25W Co. NESS State KS

Interval Tested 4350-4396 Drill Pipe Size 4.5" XH
Anchor Length 46 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4345 Drill Collar - 2.25 Ft. Run 145
Bottom Packer Depth 4350 Mud Wt. 9.6 lb/Gal.
Total Depth 4396 Viscosity 44 Filtrate 12

Tool Open @ 2:58AM Initial Blow WEAK BUILDING TO 1/2 INCH.

Final Blow NO BLOW. FLUSHED TOOL. NO HELP.

Recovery - Total Feet 30 Flush Tool? YES

Rec. 30 Feet of DRILLING MUD.
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 116 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4700 ppm System

(A) Initial Hydrostatic Mud 2174.10 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 27.60 PSI @ (depth) 4354 w / Clock No. 25108

(C) First Final Flow Pressure 27.60 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 805.30 PSI @ (depth) 4392 w / Clock No. 30401

(E) Second Initial Flow Pressure 28.50 PSI AK1 Recorder No. _____ Range _____

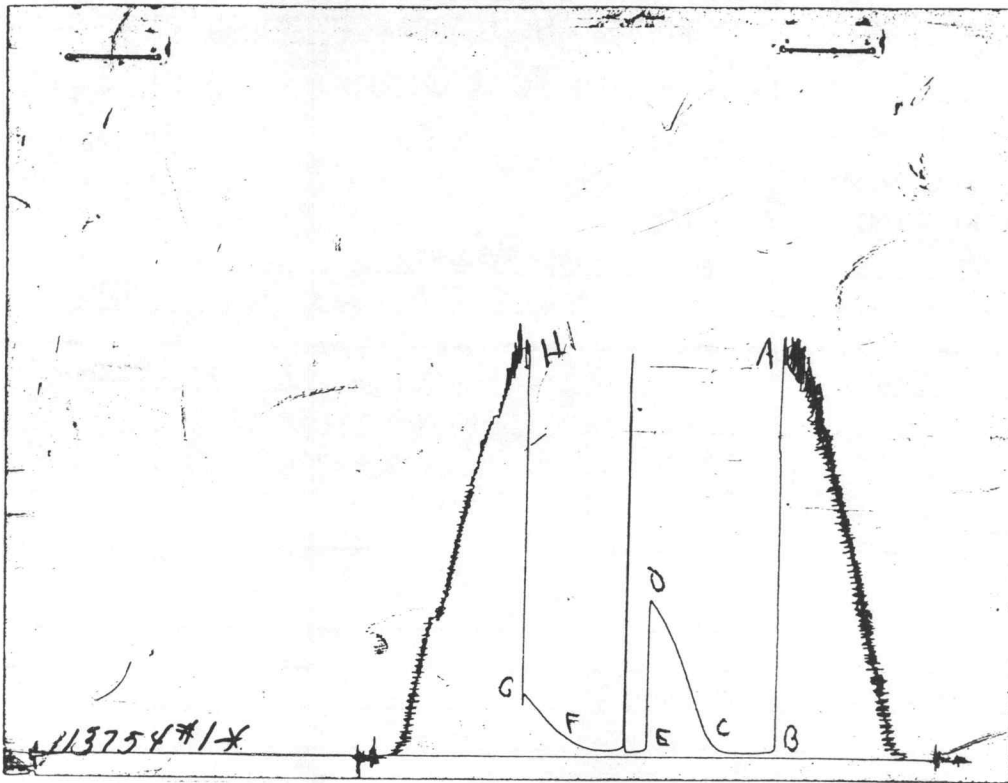
(F) Second Final Flow Pressure 38.40 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 324.80 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2127.50 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2178	2174.10
(B) FIRST INITIAL FLOW PRESSURE	29	27.60
(C) FIRST FINAL FLOW PRESSURE	29	27.60
(D) INITIAL CLOSED-IN PRESSURE	808	805.30
(E) SECOND INITIAL FLOW PRESSURE	29	28.50
(F) SECOND FINAL FLOW PRESSURE	39	38.40
(G) FINAL CLOSED-IN PRESSURE	324	324.80
(H) FINAL HYDROSTATIC MUD	2137	2127.50

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8398

Well Name & No. #1 Carter "L" Test No. 1 Date 2-28-95
 Company Pickrell Drng. Co. Inc. Zone Tested FORT SCOTT
 Address 110 N. Market, Wichita, Ks. 67202 Elevation 2519 K.B.
 Co. Rep./Geo. Bill Klaver cont. Pickrell #10 Est. Ft. of Pay _____
 Location: Sec. 4 Twp. 16 Rge. 25 Co. Ness State Ks.
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4350 - 4396 Drill Pipe Size 4.5XH
 Anchor Length 46 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 4345 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4350 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4396 Drill Collar — 2.25 Ft. Run 145'
 Mud Wt. 9.6 lb/gal. Viscosity 44 Filtrate 12
 Tool Open @ 2:58 a.m. Initial Blow Weak - building to 1/2"
 Final Blow No blow - flushed tool - no help

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>30</u>		<input checked="" type="checkbox"/>
Rec. <u>30</u> Feet Of <u>D.M.</u>	%gas	%oil
Rec. _____ Feet Of _____	%gas	%oil
Rec. _____ Feet Of _____	%gas	%oil
Rec. _____ Feet Of _____	%gas	%oil
Rec. _____ Feet Of _____	%gas	%oil

BHT 116 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4700 ppm System
 (A) Initial Hydrostatic Mud 2178 PSI Ak1 Recorder No. 13754 Range 4000
 (B) First Initial Flow Pressure 29 PSI @ (depth) 4354 w/Clock No. 25108
 (C) First Final Flow Pressure 29 PSI AK1 Recorder No. 13849 Range 4375
 (D) Initial Shut-In Pressure 808 PSI @ (depth) 4392 w/Clock No. 30401
 (E) Second Initial Flow Pressure 29 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 39 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 324 PSI Initial Opening 30 Test 600
 (H) Final Hydrostatic Mud 2137 PSI Initial Shut-In 60 Jars _____

TRILOBITE TESTING L.L.C. 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 SUSTAINED, 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 Bill Klaver
 Our Representative Dan Banoff

Final Flow 30 Safety Joint _____
 Final Shut-In 60 Straddle _____
 Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 600

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 CARTER "L" Test No. 2 Date 3/1/95
Company PICKRELL DRILLING COMPANY INC Zone MISSISSIPPI
Address 110 N. MARKET, WICHITA, KS 67202 Elevation 2519
Co. Rep./Geo. BILL KLAVER Cont. PICKRELL #10 Est. Ft. of Pay _____
Location: Sec. 4 Twp. 16S Rge. 25W Co. NESS State KS

Interval Tested 4434-4479 Drill Pipe Size 4.5" XH
Anchor Length 45 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4429 Drill Collar - 2.25 Ft. Run 145
Bottom Packer Depth 4434 Mud Wt. 9.2 lb/Gal.
Total Depth 4479 Viscosity 48 Filtrate 8

Tool Open @ 3:45AM Initial Blow WEAK - 1/2 INCH DECREASING TO VERY WEAK SURFACE BLOW.

Final Blow NO BLOW - FLUSHED TOOL - NO HELP.

Recovery - Total Feet 10 Flush Tool? YES

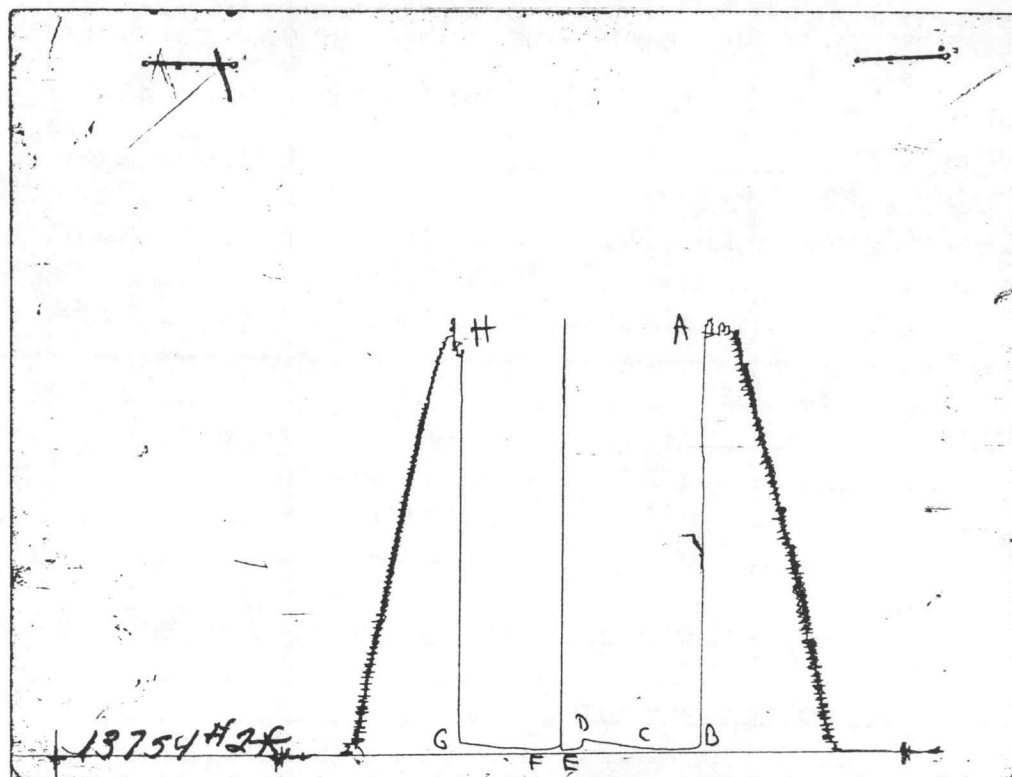
Rec. 10 Feet of VERY SLIGHTLY OIL CUT MUD.
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 116 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3800 ppm System

(A) Initial Hydrostatic Mud 2217.60 PSI AK1 Recorder No. 13754 Range 4000
(B) First Initial Flow Pressure 20.70 PSI @ (depth) 4438 w / Clock No. 25108
(C) First Final Flow Pressure 20.70 PSI AK1 Recorder No. 13849 Range 4375
(D) Initial Shut-in Pressure 73.80 PSI @ (depth) 4475 w / Clock No. 30401
(E) Second Initial Flow Pressure 15.70 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 21.70 PSI @ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure 57.10 PSI Initial Opening 30 Final Flow 30
(H) Final Hydrostatic Mud 2157.90 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2238	2217.60
(B) FIRST INITIAL FLOW PRESSURE	19	20.70
(C) FIRST FINAL FLOW PRESSURE	19	20.70
(D) INITIAL CLOSED-IN PRESSURE	78	73.80
(E) SECOND INITIAL FLOW PRESSURE	19	15.70
(F) SECOND FINAL FLOW PRESSURE	29	21.70
(G) FINAL CLOSED-IN PRESSURE	59	57.10
(H) FINAL HYDROSTATIC MUD	2188	2157.90

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8399

Well Name & No. #1 Carter "L" Test No. 2 Date 3-1-95
Company Pickrell Drlg. Co. Inc. Zone Tested Miss
Address _____ Elevation 2519 K.B.
Co. Rep./Geo. Bill Klaver Cont. Pickrell #10 Est. Ft. of Pay _____
Location: Sec. 4 Twp. 16 Rge. 25 Co. Ness State Ks.
No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4434 - 4479 Drill Pipe Size 4.5 XH
Anchor Length 45 Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth 4429 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth 4434 Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth 4479 Drill Collar — 2.25 Ft. Run 145
Mud Wt. 9.2 lb/gal. Viscosity 48 Filtrate 8
Tool Open @ 3:45 a.m. Initial Blow Weak - 1/2" decreasing to very weak surface blow
Final Blow No blow - flushed tool - No help.

Recovery — Total Feet 10 Feet of Gas In Pipe _____ Flush Tool? Yes

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>10</u>	<u>V. Slightly OCM</u>				
_____	_____	%gas	%oil	%water	%mud
_____	_____	%gas	%oil	%water	%mud
_____	_____	%gas	%oil	%water	%mud
_____	_____	%gas	%oil	%water	%mud

BHT 116 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3800 ppm System

(A) Initial Hydrostatic Mud 2238 PSI Ak1 Recorder No. 13754 Range 4000
(B) First Initial Flow Pressure 19 PSI @ (depth) 4438 w/Clock No. 25108
(C) First Final Flow Pressure 19 PSI AK1 Recorder No. 13849 Range 4375
(D) Initial Shut-In Pressure 78 PSI @ (depth) 4425 w/Clock No. 30401
(E) Second Initial Flow Pressure 19 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 29 PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure 59 PSI Initial Opening 30 Test 600
(H) Final Hydrostatic Mud 2188 PSI Initial Shut-In 60 Jars _____

TRILOBITE TESTING L.L.C. 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 SUSTAINED, 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 60 Straddle _____
Circ. Sub _____
Sampler _____
Extra Packer _____
Other _____
TOTAL PRICE \$ 600

Approved By Bill Klaver
Our Representative Dan Rangle

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 CARTER "L" Test No. 3 Date 3/1/95
Company PICKRELL DRILLING COMPANY INC Zone MISSISSIPPI
Address 110 N. MARKET, WICHITA, KS 67202 Elevation 2519
Co. Rep./Geo. BILL KLAVER Cont. PICKRELL #10 Est. Ft. of Pay _____
Location: Sec. 4 Twp. 16S Rge. 25W Co. NESS State KS

Interval Tested 4436-4487 Drill Pipe Size 4.5" XH
Anchor Length 51 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4431 Drill Collar - 2.25 Ft. Run 145
Bottom Packer Depth 4436 Mud Wt. 9.2 lb/Gal.
Total Depth 4487 Viscosity 45 Filtrate 10.4

Tool Open @ 6:25 PM Initial Blow LOST PACKER SEAT 1 MINUTE AFTER TOOL WAS OPENED.

RESET PACKERS - WOULD NOT HOLD.

Final Blow _____

Recovery - Total Feet 260 Flush Tool? NO

Rec. 260 Feet of DRILLING MUD.
Rec. _____ Feet of MISRUN.
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 116 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3800 ppm System

(A) Initial Hydrostatic Mud 2218.00 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure _____ PSI @ (depth) 4440 w / Clock No. 25108

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

(D) Initial Shut-in Pressure _____ PSI @ (depth) 4483 w / Clock No. 30401

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

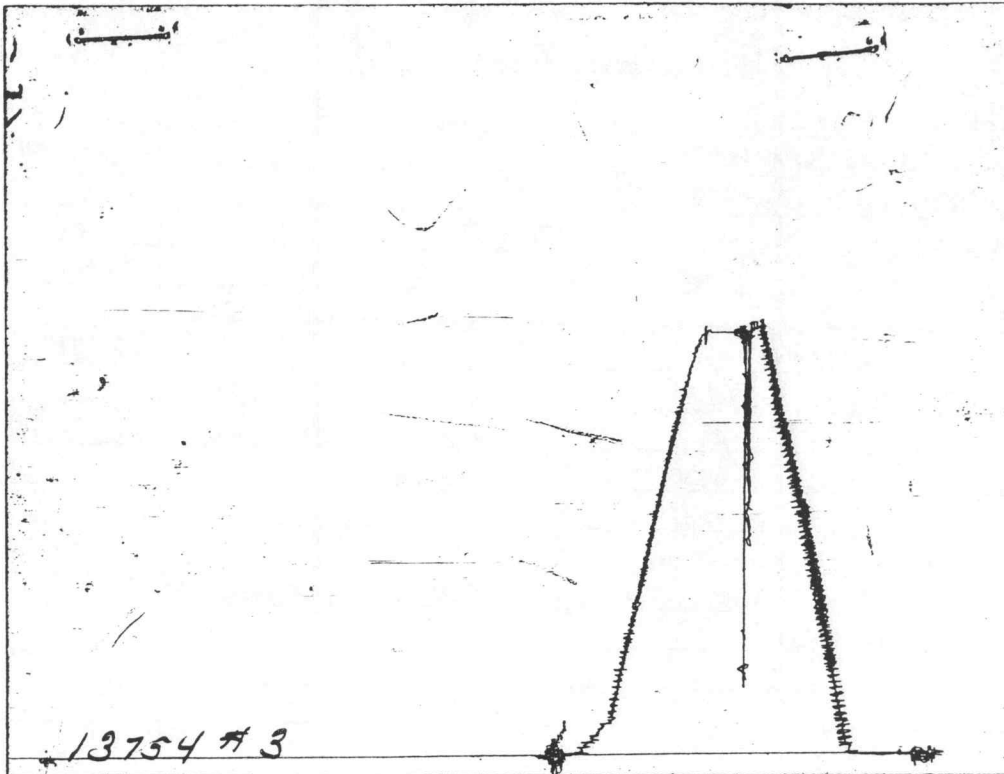
(F) Second Final Flow Pressure _____ PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure _____ PSI Initial Opening 1 Final Flow _____

(H) Final Hydrostatic Mud 2188.00 PSI Initial Shut-in _____ Final Shut-in _____

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

FIELD
READING

OFFICE
READING

(A) INITIAL HYDROSTATIC MUD		2218.00
(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		2188.00

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8400

Well Name & No. #1 Carter "L" Test No. 3 Date 3-1-95
Company Picknell Drilg. Co. Inc Zone Tested Miss
Address _____ Elevation 2519 H.B.
Co. Rep./Geo. Bill Klaver cont. Picknell #10 Est. Ft. of Pay _____
Location: Sec. 4 Twp. 16 Rge. 25 Co. Ness State Ks.
No. of Copies _____ Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4436-4487 Drill Pipe Size 4.5" XH
Anchor Length 51 Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth 4431 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth 4436 Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth 4487 Drill Collar — 2.25 Ft. Run 145
Mud Wt. 9.2 lb/gal. Viscosity 45 Filtrate 10.4
Tool Open @ 6:25 p.m. Initial Blow lost packer seat 1 min after
tool was open - reset packers - would not hold.
Final Blow _____

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?				
Rec. <u>260</u>	Feet Of <u>D.M.</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 116 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3800 ppm System

(A) Initial Hydrostatic Mud 2218 PSI Ak1 Recorder No. 13754 Range 4000
(B) First Initial Flow Pressure _____ PSI @ (depth) 4440 w/Clock No. 25108
(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 13849 Range 4375
(D) Initial Shut-In Pressure _____ PSI @ (depth) 4483 w/Clock No. 30401
(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure _____ PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure _____ PSI Initial Opening 1 Test misrun 400
(H) Final Hydrostatic Mud 2188 PSI Initial Shut-In 0 Jars _____

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Approved By Bill Klaver
Our Representative Dan Ranoffe
Final Flow 0 Safety Joint _____
Final Shut-In 0 Straddle _____
Circ. Sub _____
Sampler _____
Extra Packer _____
Other _____
TOTAL PRICE \$ 400

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 CARTER "L" Test No. 4 Date 3/1/95
Company PICKRELL DRILLING COMPANY INC Zone MISSISSIPPI
Address 110 N. MARKET, WICHITA, KS 67202 Elevation 2519
Co. Rep./Geo. BILL KLAVER Cont. PICKRELL #10 Est. Ft. of Pay _____
Location: Sec. 4 Twp. 16S Rge. 25W Co. NESS State KS

Interval Tested 4406-4487 Drill Pipe Size 4.5" XH
Anchor Length 81 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4401 Drill Collar - 2.25 Ft. Run 115
Bottom Packer Depth 4406 Mud Wt. 9.2 lb/Gal.
Total Depth 4487 Viscosity 45 Filtrate 10.4

Tool Open @ 10:55PM Initial Blow WEAK - BUILDING TO 1/2 INCH STEADY BLOW.

Final Blow NO BLOW - FLUSHED TOOL - NO HELP.

Recovery - Total Feet 20 Flush Tool? YES

Rec. 20 Feet of DRILLING MUD WITH FEW OIL SPOTS ON TOP.
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 117 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3800 ppm System

(A) Initial Hydrostatic Mud 2225.70 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 19.70 PSI @ (depth) 4410 w / Clock No. 25108

(C) First Final Flow Pressure 23.60 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 430.10 PSI @ (depth) 4483 w / Clock No. 30401

(E) Second Initial Flow Pressure 23.60 PSI AK1 Recorder No. _____ Range _____

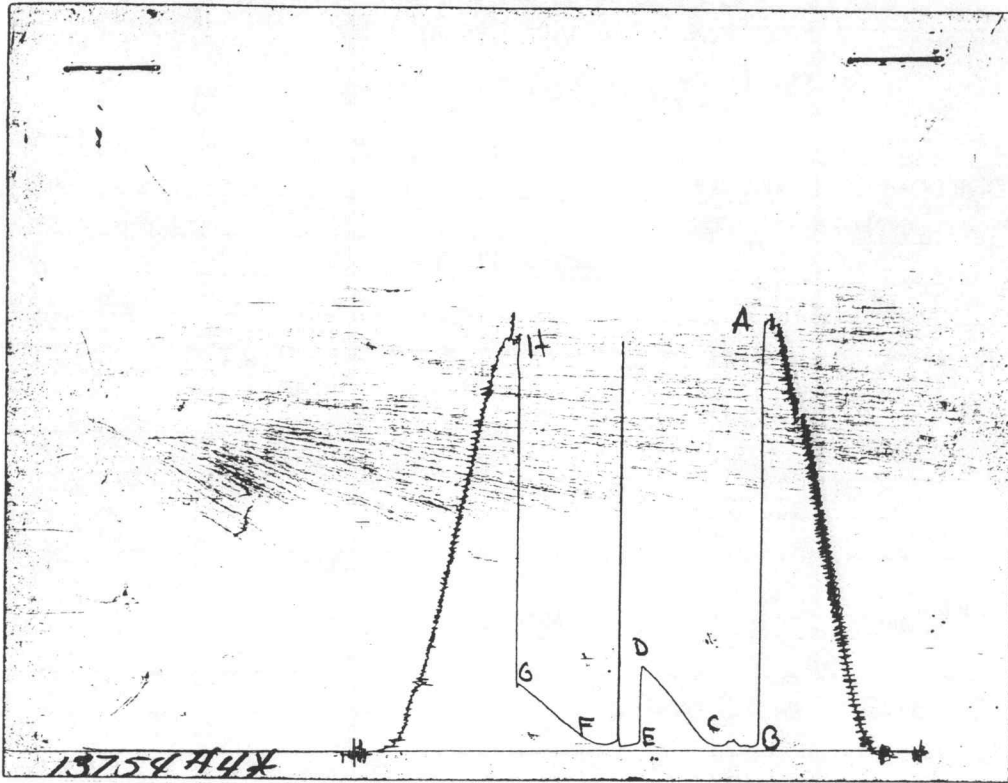
(F) Second Final Flow Pressure 29.50 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 341.50 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2155.90 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2238	2225.70
(B) FIRST INITIAL FLOW PRESSURE	29	19.70
(C) FIRST FINAL FLOW PRESSURE	29	23.60
(D) INITIAL CLOSED-IN PRESSURE	423	430.10
(E) SECOND INITIAL FLOW PRESSURE	29	23.60
(F) SECOND FINAL FLOW PRESSURE	39	29.50
(G) FINAL CLOSED-IN PRESSURE	344	341.50
(H) FINAL HYDROSTATIC MUD	2168	2155.90

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8351

Well Name & No. #1 Carter "h" Test No. 4 Date 3-1-95
Company Pickrell Drilg. Co. Inc. Zone Tested Miss
Address _____ Elevation 2519 R.S.
Co. Rep./Geo. Bill Klaver Cont. Pickrell #10 Est. Ft. of Pay _____
Location: Sec. 4 Twp. 16 Rge. 25 Co. Miss State Ks.
No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4406-4487 Drill Pipe Size 4.5 XH
Anchor Length 81 Top Choke — 1" Bottom Choke — 3/4"
Top Packer Depth 4401 Hole Size — 7 7/8" Rubber Size — 6 3/4"
Bottom Packer Depth 4406 Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth 4487 Drill Collar — 2.25 Ft. Run 115
Mud Wt. 9.2 lb/gal. Viscosity 45 Filtrate 10.4
Tool Open @ 10:55 p.m. Initial Blow Weak - building to 1/2" steady blow.
Final Blow No blow - flushed tool - no help.

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?		
<u>20</u>		<input checked="" type="checkbox"/>		
Rec. <u>20</u> Feet Of <u>D.M w/ few oil spots</u>	%gas	%oil	%water	%mud
Rec. _____ Feet Of <u>on top.</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

BHT 117 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3800 ppm System

(A) Initial Hydrostatic Mud 2238 PSI Ak1 Recorder No. 13754 Range 4000
(B) First Initial Flow Pressure 29 PSI @ (depth) 4410 w/Clock No. 25108
(C) First Final Flow Pressure 29 PSI AK1 Recorder No. 13849 Range 4375
(D) Initial Shut-In Pressure 423 PSI @ (depth) 4483 w/Clock No. 30401
(E) Second Initial Flow Pressure 29 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 39 PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure 344 PSI Initial Opening 30 Test 600
(H) Final Hydrostatic Mud 2168 PSI Initial Shut-In 60 Jars _____

TRILOBITE TESTING L.L.C. 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 SUSTAINED, 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 60 Straddle _____

Circ. Sub _____

Sampler _____

Approved By Bill Klaver

Extra Packer _____

Our Representative Dan Banerje

Other _____

TOTAL PRICE \$ 600

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #1 CARTER "L" Test No. 5 Date 3/2/95
Company PICKRELL DRILLING COMPANY INC Zone MISSISSIPPI
Address 110 N. MARKET, WICHITA, KS 67202 Elevation 2519
Co. Rep./Geo. BILL KLAVER Cont. PICKRELL #10 Est. Ft. of Pay _____
Location: Sec. 4 Twp. 16S Rge. 25W Co. NESS State KS

Interval Tested 4408-4495 Drill Pipe Size 4.5" XH
Anchor Length 87 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4403 Drill Collar - 2.25 Ft. Run 115
Bottom Packer Depth 4408 Mud Wt. 9.2 lb/Gal.
Total Depth 4495 Viscosity 43 Filtrate 11.2

Tool Open @ 3:20PM Initial Blow WEAK, BUILDING TO 2-1/2 INCH.

Final Blow WEAK STEADY 1/4 INCH BLOW.

Recovery - Total Feet 115 Flush Tool? NO

Rec. 10 Feet of OIL CUT MUD. 5% OIL; 95% MUD.
Rec. 105 Feet of DRILLING MUD.
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 117 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4400 ppm System

(A) Initial Hydrostatic Mud 2238.80 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 35.40 PSI @ (depth) 4412 w / Clock No. 25108

(C) First Final Flow Pressure 35.40 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-in Pressure 1106.00 PSI @ (depth) 4491 w / Clock No. 30401

(E) Second Initial Flow Pressure 33.50 PSI AK1 Recorder No. _____ Range _____

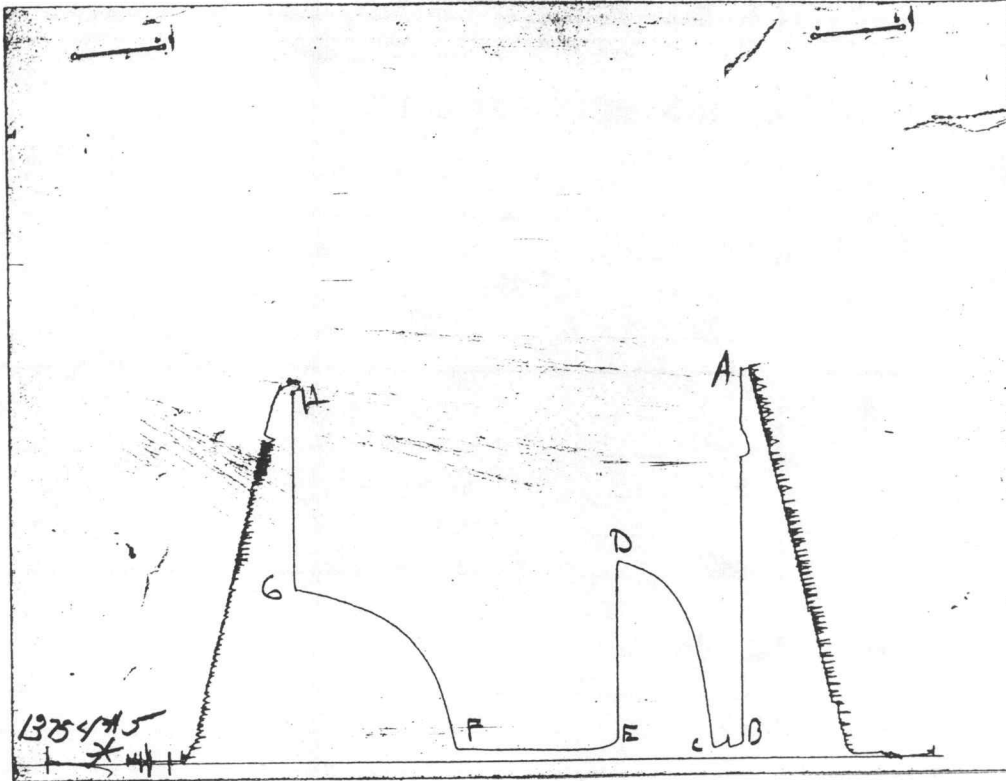
(F) Second Final Flow Pressure 47.20 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 970.40 PSI Initial Opening 30 Final Flow 120

(H) Final Hydrostatic Mud 2155.90 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2228	2238.80
(B) FIRST INITIAL FLOW PRESSURE	49	35.40
(C) FIRST FINAL FLOW PRESSURE	49	35.40
(D) INITIAL CLOSED-IN PRESSURE	1126	1106.00
(E) SECOND INITIAL FLOW PRESSURE	49	33.50
(F) SECOND FINAL FLOW PRESSURE	68	47.20
(G) FINAL CLOSED-IN PRESSURE	986	970.40
(H) FINAL HYDROSTATIC MUD	2157	2155.90

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 8352

Well Name & No. #1 Carter 'L' Test No. 5 Date 3-2-95
 Company Pickrell Drilg. Co. Inc Zone Tested Miss
 Address _____ Elevation 2519 K.B.
 Co. Rep./Geo. Bill Klaver Cont. Pickrell #10 Est. Ft. of Pay _____
 Location: Sec. 4 Twp. 16 Rge. 25 Co. Ness State Ks.
 No. of Copies 5 Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 4408 - 4495 Drill Pipe Size 4.5 X 14
 Anchor Length 87 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 4403 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 4408 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4495 Drill Collar — 2.25 Ft. Run 115
 Mud Wt. 9.2 lb/gal. Viscosity 43 Filtrate 11.2
 Tool Open @ 3:20 p.m. Initial Blow weak - building to 2 1/2"

Final Blow weak steady 1/4" blow

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>10</u> Feet Of <u>OCM</u>	% gas <u>5</u> % oil _____ % water <u>95</u> % mud _____	
Rec. <u>105</u> Feet Of <u>D.M.</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 _____	

BHT 117 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4400 ppm System

- (A) Initial Hydrostatic Mud 2228 PSI AK1 Recorder No. 13754 Range 4000
- (B) First Initial Flow Pressure 49 PSI @ (depth) 4412 w/Clock No. 25108
- (C) First Final Flow Pressure 49 PSI AK1 Recorder No. 13849 Range 4375
- (D) Initial Shut-In Pressure 1126 PSI @ (depth) 4491 w/Clock No. 30401
- (E) Second Initial Flow Pressure 49 PSI AK1 Recorder No. _____ Range _____
- (F) Second Final Flow Pressure 68 PSI @ (depth) _____ w/Clock No. _____
- (G) Final Shut-In Pressure 986 PSI Initial Opening 30 Test 600
- (H) Final Hydrostatic Mud 2157 PSI Initial Shut-In 60 Jars _____

Final Flow 120 Safety Joint _____
 Final Shut-In 120 Straddle _____
 Circ. Sub _____
 Sampler _____

Approved By Bill Klaver
 Our Representative Dan Banoff
 Extra Packer _____
 Other _____

Printcraft Printers - Hays, KS TOTAL PRICE \$ 600

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