

15-165-21623

TRILOBITE TESTING, L.L.C.

25-165-20w

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name BUCL #1 Test No. 1 Date 12/11/92
 Company CARMEN SCHMITT, INC. Zone LKC-"B"
 Address P.O. BOX 47 GREAT BEND KS 67530 Elevation 2115
 Co. Rep./Geo. STEVE PARKER Cont. DUKE RIG #4 Est. Ft. of Pay _____
 Location: Sec. 25 Twp. 16S Rge. 20W Co. RUSH State KS

Interval Tested 3491-3513 Drill Pipe Size 4.5" XH
 Anchor Length 22 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Top Packer Depth 3486 Drill Collar - 2.25 Ft. Run _____
 Bottom Packer Depth 3491 Mud Wt. 9.1 lb/Gal.
 Total Depth 3513 Viscosity 48 Filtrate 8.4

Tool Open @ 6:00 AM Initial Blow WEAK SURFACE BLOW - DIED IN 16 MINUTES
 Final Blow NO BLOW

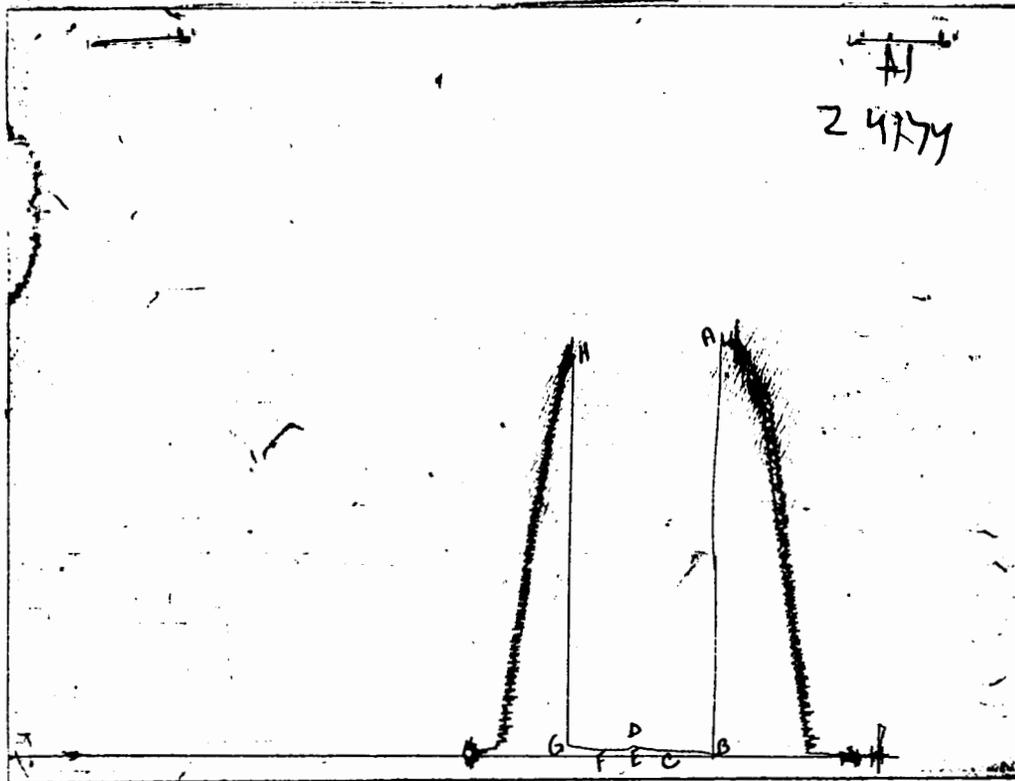
Recovery - Total Feet 1 Flush Tool? NO
 Rec. 1 Feet of MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 100 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

(A) Initial Hydrostatic Mud 1694.7 PSI AK1 Recorder No. 22150 Range 3925
 (B) First Initial Flow Pressure 11.3 PSI @ (depth) 3493 w / Clock No. 30401
 (C) First Final Flow Pressure 18.6 PSI AK1 Recorder No. 24174 Range 3050
 (D) Initial Shut-in Pressure 41.5 PSI @ (depth) 3512 w / Clock No. 27573
 (E) Second Initial Flow Pressure 18.6 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 18.6 PSI @ (depth) _____ w / Clock No. _____
 (G) Final Shut-in Pressure 41.5 PSI Initial Opening 30 Final Flow 15
 (H) Final Hydrostatic Mud 1663.7 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1689	1694.7
(B) FIRST INITIAL FLOW PRESSURE	8	11.3
(C) FIRST FINAL FLOW PRESSURE	15	18.6
(D) INITIAL CLOSED-IN PRESSURE	37	41.5
(E) SECOND INITIAL FLOW PRESSURE	15	18.6
(F) SECOND FINAL FLOW PRESSURE	15	18.6
(G) FINAL CLOSED-IN PRESSURE	37	41.5
(H) FINAL HYDROSTATIC MUD	1658	1663.7

TRILOBITE TESTING L.L.C.

P.O. BOX 362 • Hays, Kansas 67601

Test Ticket

№ 5549

Well Name & No. <u>Bud A1</u>	Test No. <u>1</u>	Date <u>12-11-92</u>
Company <u>Carmen Schmitt Inc</u>	Zone Tested <u>LKC 'B'</u>	
Address <u>PO Box 47 Great Bend KS 67530</u>	Elevation <u>2115 K13</u>	
Co. Rep./Geo. <u>Steve Parker</u>	cont. <u>Duke #4</u>	Est. Ft. of Pay _____
Location: Sec. <u>25</u>	Twp. <u>16s</u>	Rge. <u>20w</u> co. <u>Rush</u> state <u>KS</u>
No. of Copies <u>5</u>	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>3491-3513</u>	Drill Pipe Size <u>4 1/2 XH</u>
Anchor Length <u>22</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3486</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3491</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>3513</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.1</u> lb/gal.	Viscosity <u>48</u> Filtrate <u>8.4</u>
Tool Open @ <u>6:00 AM</u>	Initial Blow <u>Weak surface blow - died in 16 minutes</u>
Final Blow <u>No blow</u>	

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?				
Rec. <u>1</u> Feet Of <u>mud</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>100</u> °F Gravity _____	°API @ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____ °F Chlorides _____	ppm Recovery _____	Chlorides _____	ppm System _____
(A) Initial Hydrostatic Mud <u>1689</u> PSI	AK1 Recorder No. <u>22150</u>	Range <u>3925</u>	
(B) First Initial Flow Pressure <u>8</u> PSI	@ (depth) <u>3493</u>	w/Clock No. <u>30401</u>	
(C) First Final Flow Pressure <u>15</u> PSI	AK1 Recorder No. <u>24174</u>	Range <u>3050</u>	
(D) Initial Shut-in Pressure <u>37</u> PSI	@ (depth) <u>3512</u>	w/Clock No. <u>27523</u>	
(E) Second Initial Flow Pressure <u>15</u> PSI	AK1 Recorder No. _____	Range _____	
(F) Second Final Flow Pressure <u>15</u> PSI	@ (depth) _____	w/Clock No. _____	
(G) Final Shut-in Pressure <u>37</u> PSI	Initial Opening <u>30</u>	Test <u>2</u>	
(H) Final Hydrostatic Mud <u>1658</u> PSI	Initial Shut-in <u>30</u>	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 <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

TRILOBITE TESTING, L.L.C.

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Drill-Stem Test Data

Well Name BUCL #1 Test No. 2 Date 12/12/92
Company CARMEN SCHMITT, INC. Zone ARBUCKLE
Address P.O. BOX 47 GREAT BEND KS 67530 Elevation 2115
Co. Rep./Geo. STEVE PARKER Cont. DUKE RIG #4 Est. Ft. of Pay _____
Location: Sec. 25 Twp. 16S Rge. 20W Co. RUSH State KS

Interval Tested	<u>3826-3872</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>46</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>192</u>
Top Packer Depth	<u>3821</u>	Drill Collar - 2.25 Ft. Run	_____
Bottom Packer Depth	<u>3826</u>	Mud Wt.	<u>9.5</u> lb/Gal.
Total Depth	<u>3872</u>	Viscosity	<u>49</u> Filtrate <u>10.8</u>

Tool Open @ 1:27 PM Initial Blow WEAK SURFACE BLOW

Final Blow NO BLOW

Recovery - Total Feet 5 Flush Tool? NO

Rec. <u>5</u>	Feet of	<u>MUD</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 99 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 1966.8 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 46.2 PSI @ (depth) 3830 w / Clock No. 26199

(C) First Final Flow Pressure 46.2 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 835.7 PSI @ (depth) 3871 w / Clock No. 27573

(E) Second Initial Flow Pressure 46.2 PSI AK1 Recorder No. _____ Range _____

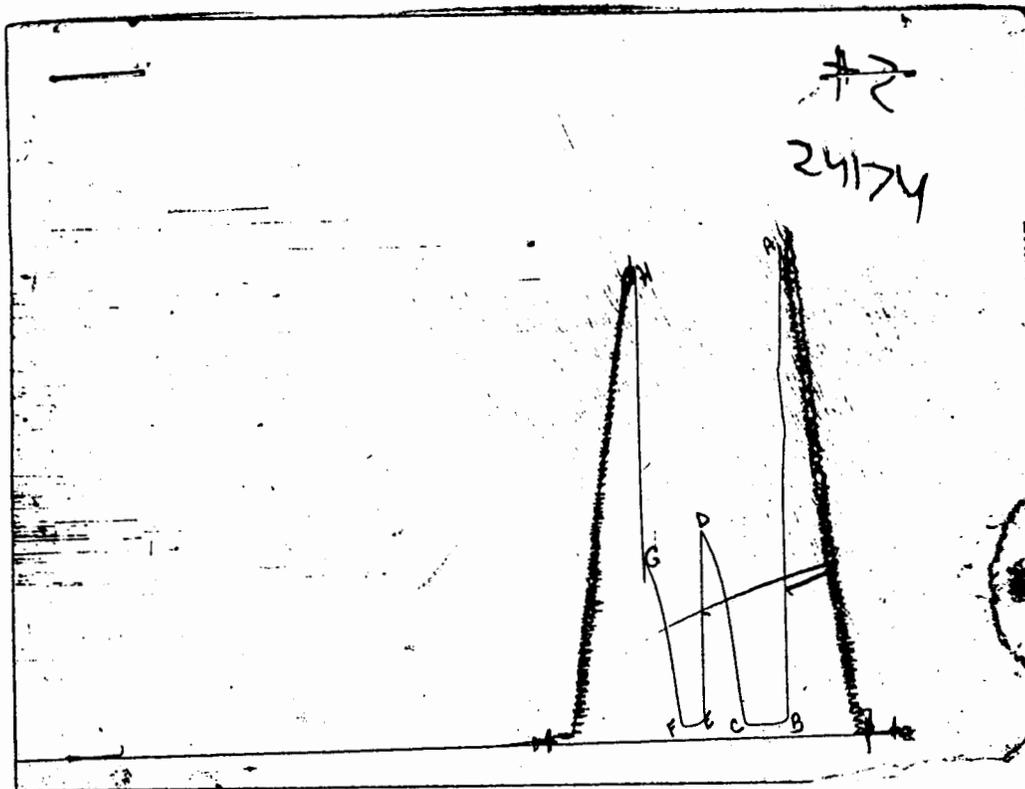
(F) Second Final Flow Pressure 46.2 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 715.9 PSI Initial Opening 30 Final Flow 15

(H) Final Hydrostatic Mud 1944.8 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1957	1966.8
(B) FIRST INITIAL FLOW PRESSURE	44	46.2
(C) FIRST FINAL FLOW PRESSURE	44	46.2
(D) INITIAL CLOSED-IN PRESSURE	834	835.7
(E) SECOND INITIAL FLOW PRESSURE	44	46.2
(F) SECOND FINAL FLOW PRESSURE	44	46.2
(G) FINAL CLOSED-IN PRESSURE	713	715.9
(H) FINAL HYDROSTATIC MUD	1942	1944.8

TRILOBITE TESTING L.L.C.

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Test Ticket

No 5550

Well Name & No. Bud #1 Test No. 02 Date 12-12-92
 Company Carmen Schmitt Inc Zone Tested Arbuckle
 Address _____ Elevation 2115 KB
 Co. Rep./Geo. Steve Parker cont. Duke #4 Est. Ft. of Pay _____
 Location: Sec. 25 Twp. 16s Rge. 20w Co. Rush State Ks
 No. of Copies 5 Distribution Sheet _____ Yes _____ No Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3826-3872 Drill Pipe Size 3872
 Anchor Length 46 Top Choke — 1" _____ Bottom Choke — 1/4" _____
 Top Packer Depth 3821 Hole Size — 77/8" _____ Rubber Size — 63/4" _____
 Bottom Packer Depth 3826 Wt. Pipe I.D. — 2.7 Ft. Run 192
 Total Depth _____ Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.5 lb/gal. Viscosity 49 Filtrate 10.8
 Tool Open @ 1:22 PM Initial Blow weak surface blow

Final Blow No blow

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?
5		
Rec. _____ Feet Of	% gas	% oil
Rec. _____ Feet Of	% gas	% oil
Rec. _____ Feet Of	% gas	% oil
Rec. _____ Feet Of	% gas	% oil
Rec. _____ Feet Of	% gas	% oil

BHT 99 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 1957 PSI AK1 Recorder No. 22150 Range 3925
 (B) First Initial Flow Pressure 44 PSI @ (depth) 3830 w/Clock No. 26199
 (C) First Final Flow Pressure 44 PSI AK1 Recorder No. 24174 Range 3050
 (D) Initial Shut-In Pressure 834 PSI @ (depth) 3871 w/Clock No. 27573
 (E) Second Initial Flow Pressure 44 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 44 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 713 PSI Initial Opening 30 Test ✓
 (H) Final Hydrostatic Mud 1942 PSI Initial Shut-In 30 Jars _____

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Final Flow 15 Safety Joint _____
 Final Shut-In 30 Straddle _____
 Circ. Sub _____
 Sampler _____

Approved By _____
 Our Representative Paul Simpson

Extra Packer _____
 Other _____
 TOTAL PRICE \$ 600.00