

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15- 051-24,808-00-00

County Ellis

SW - SW - NW - Sec. 19 Twp. 11 Rge. 19 <sup>E</sup><sub>W</sub>

Operator: License # 6569 2970 Feet from (S)N (circle one) Line of Section

Name: Carmen Schmitt, Inc. 4950 Feet from (E)W (circle one) Line of Section

Address P.O. Box 47 **FROM CONFIDENTIAL** Footages calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

City/State/Zip Great Bend, KS 67530 Lease Name Rathbun Well # 1

Purchaser: \_\_\_\_\_ Field Name WILDCAT

Operator Contact Person: Carmen Schmitt Producing Formation \_\_\_\_\_

Phone ( 316 ) 793-5100 Elevation: Ground 1970/1 KB 1975

Contractor: Name: Duke Drilling Co., Inc. Total Depth 3609 PBTD \_\_\_\_\_

License: 5929 Amount of Surface Pipe Set and Cemented at 216 Feet

Wellsite Geologist: Steve D. Parker Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes \_\_\_\_\_ No

Designate Type of Completion If yes, show depth set \_\_\_\_\_ Feet

New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover If Alternate II completion, cement circulated from \_\_\_\_\_

Oil  SWD  S10W  Temp. Abd. feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Gas  ENHR  S16W

Dry  Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan ALT 2 DFB 11-24-94  
(Data must be collected from the Reserve Pit)

If Workover/Re-Entry: old well info as follows:

Operator: 10-28 Chloride content 37,000 ppm Fluid volume 375 bbls

Well Name: OCT 2 8 Dewatering method used SWD and evaporation

Comp. Date \_\_\_\_\_ Old Total Depth **CONFIDENTIAL** Location of fluid disposal if hauled offsite: \_\_\_\_\_

Deepening  Re-perf.  Conv. to Inj/SWD

Plug Back  PBTD

Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

10-05-92 10-12-92  
Spud Date Date Reached TD Completion Date

Operator Name Carmen Schmitt Inc.

Lease Name Towns #3 SWD License No. 6569

NE Quarter Sec. 34 Twp. 10S S Rng. 20W E/W

County Rooks Docket No. d-24,457

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Carmen Schmitt

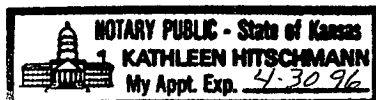
Title owner Date 10-23-92

Subscribed and sworn to before me this 23 day of October 19 92.

Notary Public Kathleen Hutschmann

Date Commission Expires 4-30-96

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
DISTRIBUTION  
10-30-1992  
OCT 30 1992  
KCC NGPA  
KGS Plug Other  
(Specify)  
COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WICHITA, KANSAS



P1

SIDE TWO

Operator Name Carmen Schmitt, Inc. Lease Name Rathbun Well # 1  
 Sec. 19 Twp. 11 Rge. 19  East County Ellis  
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

List All E.Logs Run: R.A. Guard  
 Compensated Sonic

Name	Formation (Top), Depth and Datum		Sample
	Top	Datum	
ANHYDRITE	1328 +	647	
TOPEKA	2994	-1017	
HEEBNER	3214	-1239	
TORONTO	3240	-1265	
LANSING-K.C.	3256	-1281	
BASE KANSAS CITY	3480	-1505	
ARBUCKLE	3567	-1592	

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"	20#	216'	60/40 poz	135	2% gel 3% cc.

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACD-18.) METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_ Production Interval \_\_\_\_\_

ORIGINAL 15-051-24808-00-00  
**TRILOBITE TESTING, L.L.C.**

P.O. Box 362 • Hays, Kansas 67601

**Drill-Stem Test Data**

OCT 28

10-28

CONFIDENTIAL 10/29/92

Well Name RATHBUN #1 Test No. 1 Date 10/28/92  
Company CARMEN SCHMITT, INC. Zone LKC  
Address P.O. BOX 47 GREAT BEND KS 67530 Elevation 1975  
Dr. Rep./Geo. STEVE PARKER Cont. DUKE RIG #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 19 Twp. 11S Rge. 19W Co. ELLIS State KS

Interval Tested 3278-3322  
Anchor Length 44  
Top Packer Depth 3273  
Bottom Packer Depth 3278  
Total Depth 3322

Drill Pipe Size 4.5 FH  
Wt. Pipe I.D. - 2.7 Ft. Run 631  
Drill Collar - 2.25 Ft. Run 9  
Mud Wt. \_\_\_\_\_ lb/Gal.  
Viscosity 47 Filtrate 9.6

Tool Open @ 9:26 AM Initial Blow WEAK 1/4" BLOW-DIED IN 12 MINUTES

Final Blow NO BLOW

Recovery - Total Feet 1

Flush Tool? NO

RELEASED

11-18-1993  
NOV 18 1993

Rec. 1 Feet of MUD  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

CONFIDENTIAL

BHT 98 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud 1655.3 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 32.4 PSI @ (depth) 3284 w / Clock No. 27501

(C) First Final Flow Pressure 32.4 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 55.6 PSI @ (depth) 3321 w / Clock No. 30401

(E) Second Initial Flow Pressure 32.4 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 32.4 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 48.9 PSI Initial Opening 15 Final Flow 15

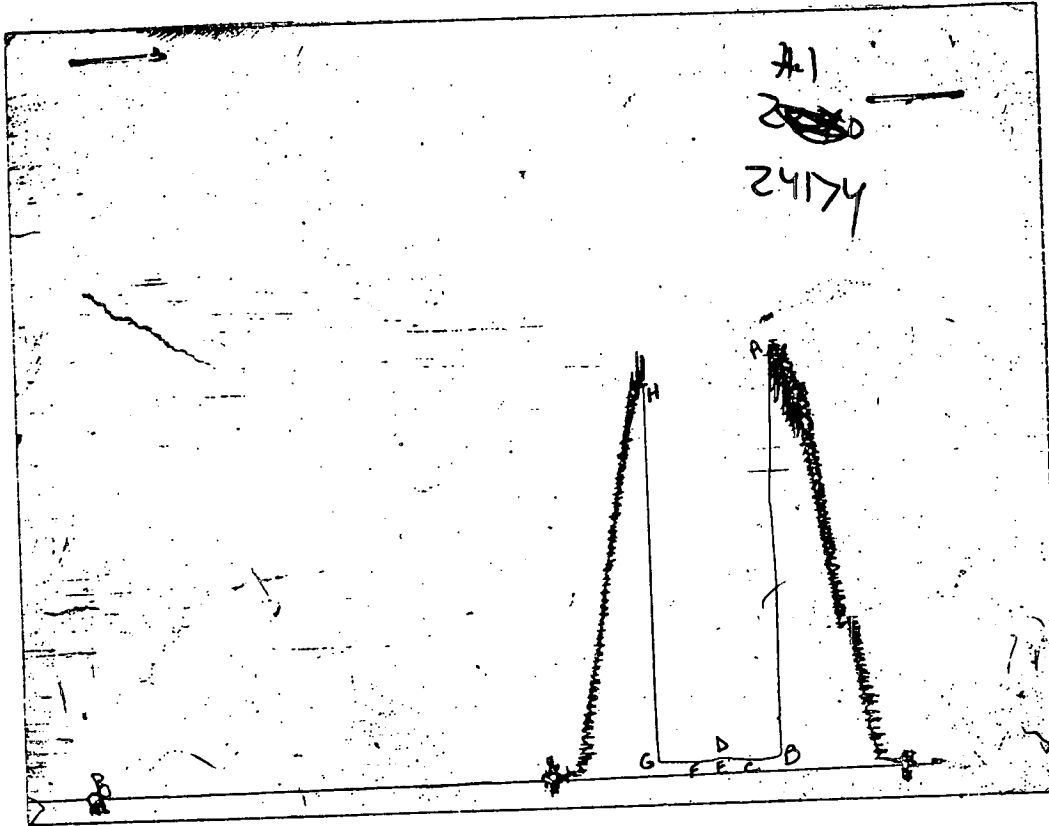
(H) Final Hydrostatic Mud 1631.2 PSI Initial Shut-in 30

OCT 30 1992

10-30-1992

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1651	1655.3
(B) FIRST INITIAL FLOW PRESSURE	30	32.4
(C) FIRST FINAL FLOW PRESSURE	30	32.4
(D) INITIAL CLOSED-IN PRESSURE	52	55.6
(E) SECOND INITIAL FLOW PRESSURE	30	32.4
(F) SECOND FINAL FLOW PRESSURE	30	32.4
(G) FINAL CLOSED-IN PRESSURE	44	48.9
(H) FINAL HYDROSTATIC MUD	1628	1631.2

RECEIVED  
OCT 30 1972  
STATION  
MOSCOW, KANSAS

15-051-24808-00-00  
**TRILOBITE TESTING, L.L.C.**

P.O. Box 362 • Hays, Kansas 67601

**Drill-Stem Test Data**

Well Name RATHBUN #1 Test No. 2 Date 10/9/92  
 Company CARMEN SCHMITT, INC. Zone LKC-"E-F"  
 Address P.O. BOX 47 GREAT BEND KS 67530 Elevation 1975  
 Co. Rep./Geo. STEVE PARKER Cont. DUKE RIG #1 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 19 Twp. 11S Rge. 19W Co. ELLIS State KS

Interval Tested <u>3322-3344</u>	Drill Pipe Size <u>4.5" FH</u>
Anchor Length <u>22</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>631</u>
Top Packer Depth <u>3317</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>3322</u>	Mud Wt. <u>8.9</u> lb/Gal
Total Depth <u>3344</u>	Viscosity <u>47</u> Filtrate <u>9.6</u>

Tool Open @ 7:52 PM Initial Blow 1/2" BLOW BUILDING TO 8"  
 Final Blow VERY WEAK SURFACE BLOW BUILDING TO 3"

Recovery - Total Feet 250 Flush Tool? NO

Rec. 250 Feet of MUDDY SALT WATER  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 101 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 0.243 @ 60 °F Chlorides 34000 ppm Recovery Chlorides 4500 ppm System

(A) Initial Hydrostatic Mud 1640.2 PSI AK1 Recorder No. 22150 Range 3925  
 (B) First Initial Flow Pressure 32.4 PSI @ (depth) 3329 w / Clock No. 27501  
 (C) First Final Flow Pressure 102.3 PSI AK1 Recorder No. 24174 Range 3050  
 (D) Initial Shut-in Pressure 677.9 PSI @ (depth) 3343 w / Clock No. 27573  
 (E) Second Initial Flow Pressure 121.3 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 151.6 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure 655.8 PSI Initial Opening 45 Final Flow 45  
 (H) Final Hydrostatic Mud 1631.2 PSI Initial Shut-in 45 Final Shut-in 001 3 04500

Our Representative PAUL SIMPSON

OCT 30 1992  
 10-30-1992

15-051-24808-00-00

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

No 5220

Well Name & No. <u>Rathben #1</u>	Test No. <u>1</u>	Date <u>10-9-92</u>
Company <u>Carmen Schmitt Inc</u>	Zone Tested <u>LKC</u>	
Address <u>PO Box 47 Great Bend Ks 67530</u>	Elevation <u>1975 KB</u>	
Co. Rep./Geo. <u>Steve Parker</u>	cont. <u>Duke #1</u>	Est. Ft. of Pay _____
Location: Sec. <u>19</u>	Twp. <u>11s</u>	Rge. <u>19w</u> co. <u>Ells</u> state <u>Ks</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>3278-3322</u>	Drill Pipe Size <u>4 1/2 FH</u>
Anchor Length <u>44</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3273</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3278</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>631</u>
Total Depth <u>3322</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.10</u> lb/gal.	Viscosity <u>47</u> Filtrate <u>9.6</u>
Tool Open @ <u>9:26 AM</u>	Initial Blow <u>weak 4" blow - died in 12 minutes</u>

Final Blow no blow

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 98 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API

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

(A) Initial Hydrostatic Mud <u>1651</u> PSI	Ak1 Recorder No. <u>22150</u>	Range <u>3925</u>
(B) First Initial Flow Pressure <u>30</u> PSI	@ (depth) <u>3284</u>	w/Clock No. <u>27501</u>
(C) First Final Flow Pressure <u>30</u> PSI	AK1 Recorder No. <u>24174</u>	Range <u>3050</u>
(D) Initial Shut-in Pressure <u>52</u> PSI	@ (depth) <u>3321</u>	w/Clock No. <u>30401</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>44</u> PSI	Initial Opening <u>15</u>	Test _____
(H) Final Hydrostatic Mud <u>1628</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 COURSE OF THIS TEST ARE NOT TO BE REPAIRED OR REPLACED BY THE COMPANY.

Final Flow 15 Safety JOINT 9000

Final Shut-in 30 Straddle 10-30-1992

15-051-24808-00-00  
**TRILOBITE TESTING L.L.C.**  
 P.O. Box 362 • Hays, Kansas 67601

# Test Ticket

№ 5221

Well Name & No. Rath bun #1 Test No. 2 Date 10-9-92  
 Company Corma Schmitt Inc Zone Tested LKE 'E-F'  
 Address \_\_\_\_\_ Elevation 1975 KB  
 Co. Rep./Geo. Steve Parker cont. Duke #1 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. M Twp. 11s Rge. 19w Co. E11B State Ks  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3322-3344 Drill Pipe Size 4 1/2 FH  
 Anchor Length 22 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
 Top Packer Depth 3317 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 3322 Wt. Pipe I.D. — 2.7 Ft. Run 631  
 Total Depth 3344 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 8.9 lb/gal. Viscosity 47 Filtrate 9.6  
 Tool Open @ 5:52 AM Initial Blow 1/2" blow building to 8"

Final Blow very weak surface blow building to 3"

Recovery — Total Feet	Feet of Gas In Pipe	Flush Tool?			
<u>250</u>		% gas	% oil	% water	% mud
Rec. <u>250</u> Feet Of <u>M.S.W</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 101 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW .243 @ 60 °F Chlorides 34,000 ppm Recovery Chlorides 4500 ppm System  
 (A) Initial Hydrostatic Mud 1636 PSI AK1 Recorder No. 2280 Range 3925  
 (B) First Initial Flow Pressure 30 PSI @ (depth) 3329 w/Clock No. 27501  
 (C) First Final Flow Pressure 97 PSI AK1 Recorder No. 24174 Range 3050  
 (D) Initial Shut-in Pressure 675 PSI @ (depth) 3343 w/Clock No. 27573  
 (E) Second Initial Flow Pressure 119 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 149 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure 652 PSI Initial Opening 45 Test \_\_\_\_\_  
 (H) Final Hydrostatic Mud 1628 PSI Initial Shut-in 45 Jars \_\_\_\_\_

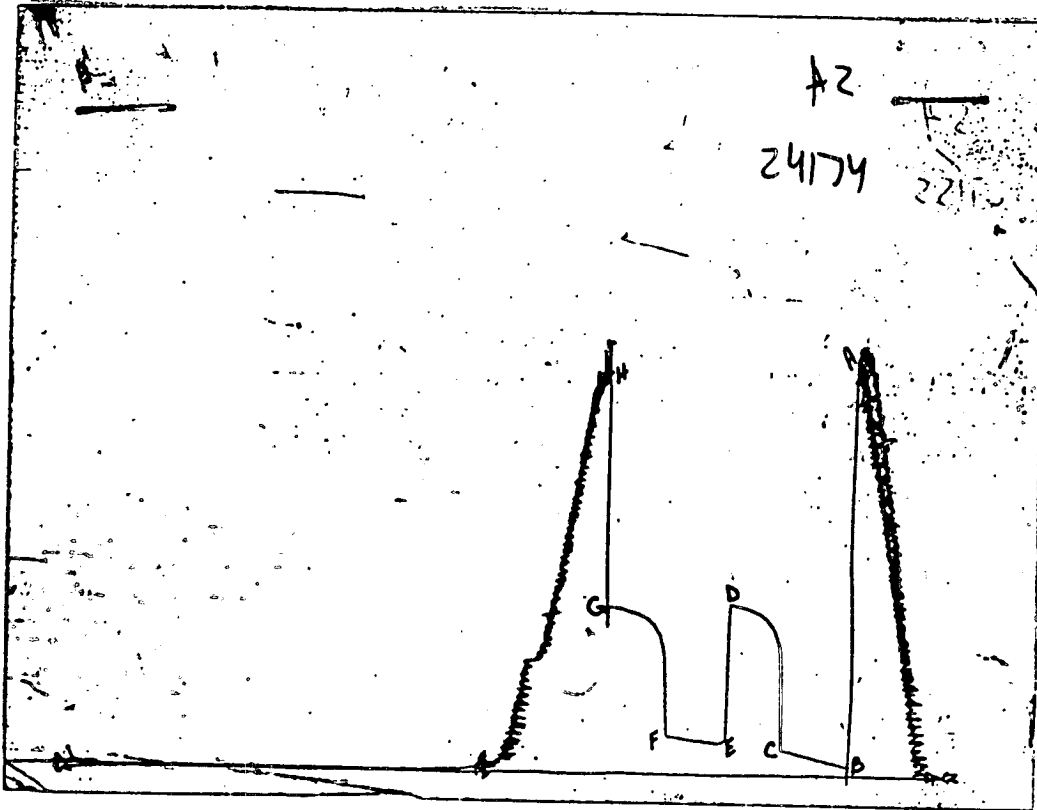
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Final Flow 45 Safety Joint \_\_\_\_\_  
 Final Shut-in 45 Straddle \_\_\_\_\_  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_

Approved By \_\_\_\_\_  
 Our Representative Paul Simpson

Extra Packer NOT 30 1992  
 Other 10-30-1992  
 TOTAL PRICE'S \_\_\_\_\_

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1636	1640.2
(B) FIRST INITIAL FLOW PRESSURE	30	32.4
(C) FIRST FINAL FLOW PRESSURE	97	102.3
(D) INITIAL CLOSED-IN PRESSURE	675	677.9
(E) SECOND INITIAL FLOW PRESSURE	119	121.3
(F) SECOND FINAL FLOW PRESSURE	149	151.6
(G) FINAL CLOSED-IN PRESSURE	652	655.8
(H) FINAL HYDROSTATIC MUD	1628	1631.2

OCT 20 1952



15-051-24808-00-00  
**TRILOBITE TESTING, L.L.C.**

P.O. Box 362 • Hays, Kansas 67601

**Drill-Stem Test Data**

Well Name RATHBUN #1 Test No. 3 Date 10/10/92  
Company CARMEN SCHMITT, INC. Zone LKC-"J-K-L"  
Address P.O. BOX 47 GREAT BEND KS 67530 Elevation 1975  
Co. Rep./Geo. STEVE PARKER Cont. DUKE RIG #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 19 Twp. 11S Rge. 19W Co. ELLIS State KS

Interval Tested 3418-3490 Drill Pipe Size 4.5" FH  
Anchor Length 72 Wt. Pipe I.D. - 2.7 Ft. Run 570  
Top Packer Depth 3413 Drill Collar - 2.25 Ft. Run \_\_\_\_\_  
Bottom Packer Depth 3418 Mud Wt. 8.8 lb/Gal  
Total Depth 3490 Viscosity 43 Filtrate 12

Tool Open @ 2:58 PM Initial Blow WEAK 1/2" BLOW DECREASING TO 1/4"  
Final Blow SURFACE BLOW INCREASING TO 1/4"

Recovery - Total Feet 65 Flush Tool? NO

Rec. 5 Feet of MUD CUT OIL-70%OIL/30%MUD  
Rec. 60 Feet of OIL CUT MUD-15%OIL/85%MUD  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 102 °F Gravity 26 °API @ 70 °F Corrected Gravity 25 °F  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud 1760.3 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 68.3 PSI @ (depth) 3424 w / Clock No. 27501

(C) First Final Flow Pressure 75.2 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 1140.5 PSI @ (depth) 3489 w / Clock No. 30401

(E) Second Initial Flow Pressure 75.2 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 88.6 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

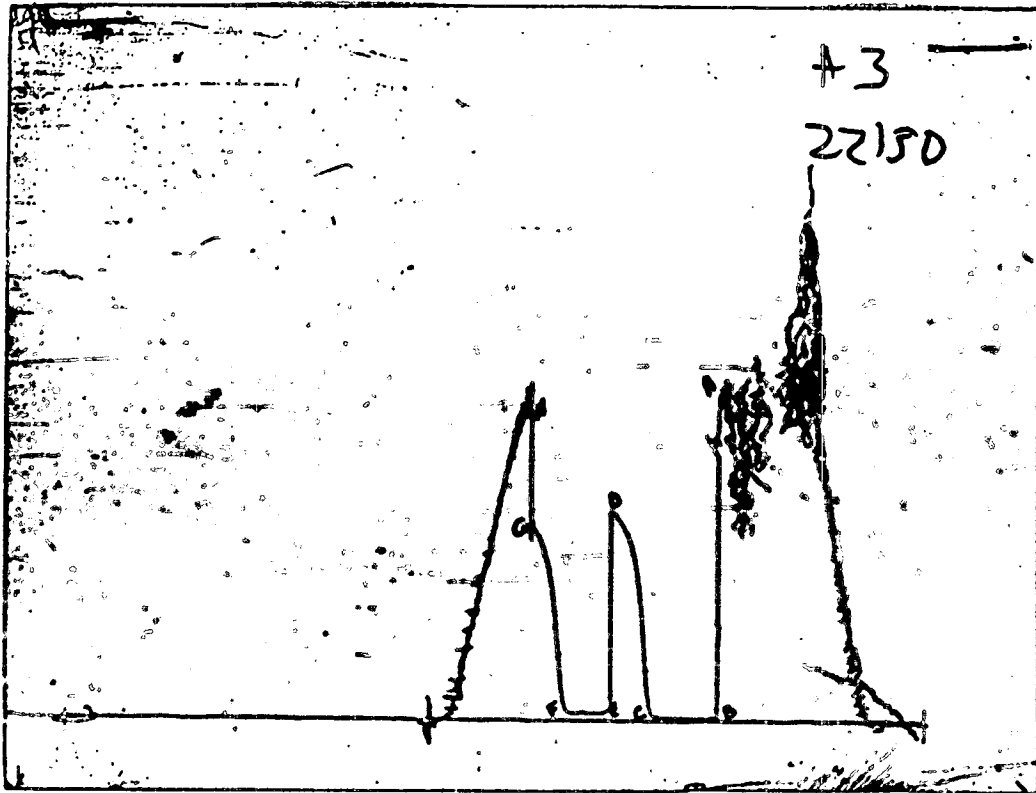
(G) Final Shut-in Pressure 1065.4 PSI Initial Opening 45 Final Flow 30

(H) Final Hydrostatic Mud 1749.8 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative PAUL SIMPSON

OCT 11 1992  
10-30-1992

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1765	1760.3
(B) FIRST INITIAL FLOW PRESSURE	67	68.3
(C) FIRST FINAL FLOW PRESSURE	74	75.2
(D) INITIAL CLOSED-IN PRESSURE	1137	1140.5
(E) SECOND INITIAL FLOW PRESSURE	74	75.2
(F) SECOND FINAL FLOW PRESSURE	82	88.6
(G) FINAL CLOSED-IN PRESSURE	1062	1065.4
(H) FINAL HYDROSTATIC MUD	1750	1749.8

15-051-24808-00-00

# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

№ 5222

Well Name & No. Rathbun #1 Test No. 3 Date 10-10-92  
 Company Corman Schmitt Inc Zone Tested LKC JKCL  
 Address \_\_\_\_\_ Elevation 1975  
 Co. Rep./Geo. Steve Parker cont. Duke #1 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 19 Twp. 11s Rge. 19w Co. Ells State Ks  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ NO Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ NO \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3418-3490 Drill Pipe Size 4 1/2 FH  
 Anchor Length 22 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 1/4" \_\_\_\_\_  
 Top Packer Depth 3413 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 3418 Wt. Pipe I.D. — 2.7 Ft. Run 570  
 Total Depth 3490 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 8.8 lb/gal. Viscosity 43 Filtrate 12  
 Tool Open @ 2:58 P.M. Initial Blow weak 1/2" blow decreasing to 1/4"

Final Blow surface blow increasing to 1/4"

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>5</u> Feet Of <u>MCD</u>	%gas <u>20</u> %oil _____ %water <u>30</u> %mud _____	
Rec. <u>60</u> Feet Of <u>MOCM</u>	%gas <u>15</u> %oil _____ %water <u>85</u> %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 102 °F Gravity 26 °API @ 70 °F Corrected Gravity 25 °API

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

(A) Initial Hydrostatic Mud 1765 PSI Ak1 Recorder No. 22150 Range 3925  
 (B) First Initial Flow Pressure 67 PSI @ (depth) 3424 w/Clock No. 27501  
 (C) First Final Flow Pressure 74 PSI Ak1 Recorder No. 24174 Range 3050  
 (D) Initial Shut-in Pressure 1137 PSI @ (depth) 3489 w/Clock No. 30401  
 (E) Second Initial Flow Pressure 74 PSI Ak1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 82 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure 1062 PSI Initial Opening 45 Test \_\_\_\_\_  
 (H) Final Hydrostatic Mud 1750 PSI Initial Shut-in 30 Jars \_\_\_\_\_

Final Flow 36 Safety Joint \_\_\_\_\_  
 Final Shut-in 30 Straddle \_\_\_\_\_  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_

TRILOBITES 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 [Signature]  
 Our Representative Paul Simpson

CALCULATED RECOVERY ANALYSIS

WEIGHT PIPE

DST #

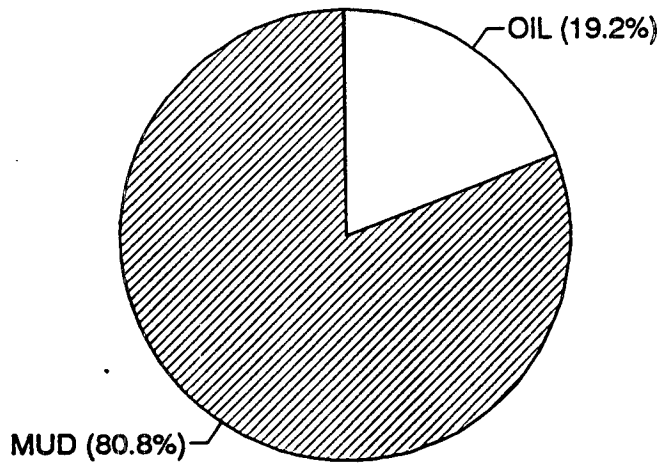
3

TICKET #

5222

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	5	0	0	70	3.5	0	0	30	1.5
2	60	0	0	15	9	0	0	85	51
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	65	0	0	19.230769	12.5	0	0	80.769	52.5

			HRS OPEN	BBL/DAY
BBL OIL=	0.0875	*	1.25	1.68
BBL WATER=	0	*		0
BBL MUD=	0.3675			
BBL GAS=	0			



RECEIVED  
 STATE...  
 10-30-1992  
 OCT 30 1992

15-051-24808-00-00

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name RATHBUN #1 Test No. 4 Date 10/11/92  
 Company CARMEN SCHMITT, INC. Zone ARBUCKLE  
 Address P.O. BOX 47 GREAT BEND KS 67530 Elevation 1975  
 Co. Rep./Geo. STEVE PARKER Cont. DUKE RIG #1 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 19 Twp. 11S Rge. 19W Co. ELLIS State KS

Interval Tested <u>3527-3573</u>	Drill Pipe Size <u>4.5" FH</u>
Anchor Length <u>46</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>631</u>
Top Packer Depth <u>3522</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>3527</u>	Mud Wt. <u>9.1</u> lb/Gal.
Total Depth <u>3573</u>	Viscosity <u>48</u> Filtrate <u>12.8</u>

Tool Open @ 7:56 AM Initial Blow WEAK 1/2" BLOW DECREASING & DIED IN 25 MINUTES  
 Final Blow NO BLOW

Recovery - Total Feet 15 Flush Tool? NO

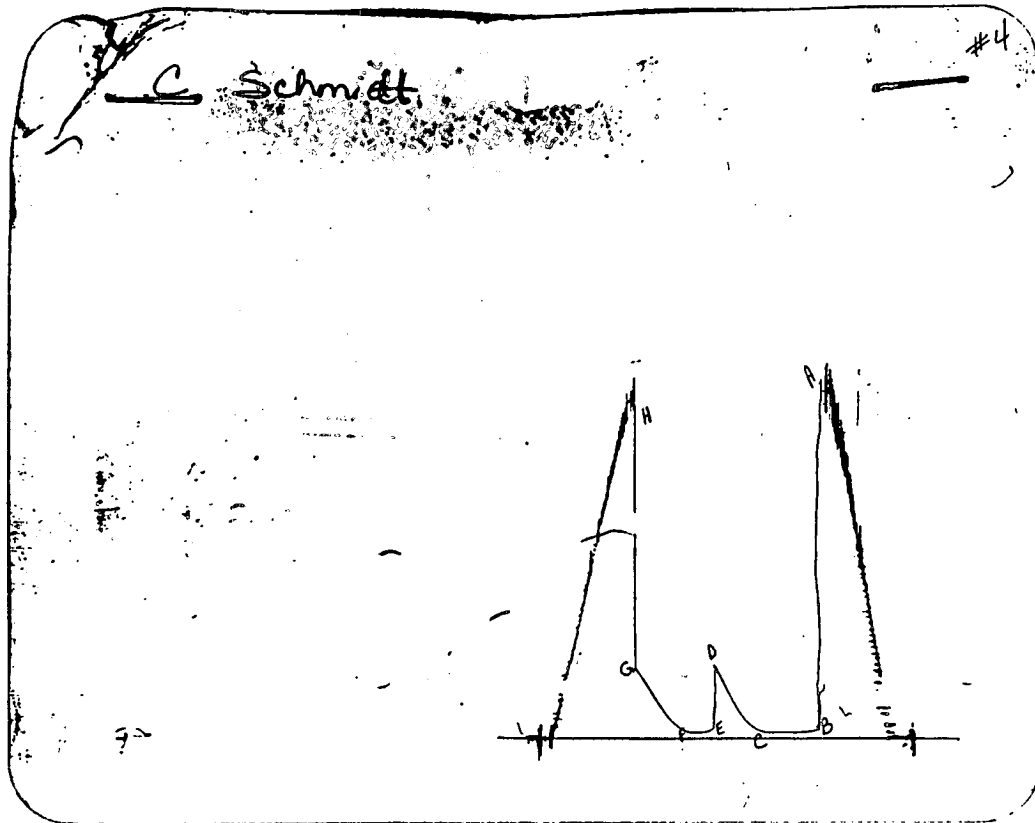
Rec. <u>1</u> Feet of <u>FREE OIL</u>
Rec. <u>14</u> Feet of <u>OIL SPECKED MUD - 2%OIL/98%MUD</u>
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 103 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °A  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud <u>1812.3</u> PSI	AK1 Recorder No. <u>22150</u>	Range <u>3925</u>
(B) First Initial Flow Pressure <u>48.9</u> PSI	@ (depth) <u>3532</u>	w / Clock No. <u>30401</u>
(C) First Final Flow Pressure <u>55.6</u> PSI	AK1 Recorder No. <u>24174</u>	Range <u>3050</u>
(D) Initial Shut-in Pressure <u>418.9</u> PSI	@ (depth) <u>3572</u>	w / Clock No. <u>27573</u>
(E) Second Initial Flow Pressure <u>55.6</u> PSI	AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>55.6</u> PSI	@ (depth) _____	w / Clock No. _____
(G) Final Shut-in Pressure <u>408.9</u> PSI	Initial Opening <u>30</u>	Final Flow <u>10</u>
(H) Final Hydrostatic Mud <u>1810.2</u> PSI	Initial Shut-in <u>45</u>	Final Shut-in <u>45</u>

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1811	1812.3
(B) FIRST INITIAL FLOW PRESSURE	44	48.9
(C) FIRST FINAL FLOW PRESSURE	52	55.6
(D) INITIAL CLOSED-IN PRESSURE	415	418.9
(E) SECOND INITIAL FLOW PRESSURE	52	55.6
(F) SECOND FINAL FLOW PRESSURE	52	55.6
(G) FINAL CLOSED-IN PRESSURE	400	408.9
(H) FINAL HYDROSTATIC MUD	1803	1810.2

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# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

NE 5223

Well Name & No. Rathburn #1 Test No. 4 Date 10-11-92  
 Company Carmen Schmitt Inc Zone Tested Arb  
 Address \_\_\_\_\_ Elevation 1975  
 Co. Rep./Geo. Steve Parker cont. Duke #1 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 19 Twp. 11s Rge. 19w Co. Ellis State Ks  
 No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No Evaluation \_\_\_\_\_

Interval Tested 3527-3573 Drill Pipe Size 4 1/2 FH  
 Anchor Length 46 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
 Top Packer Depth 3522 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
 Bottom Packer Depth 3527 Wt. Pipe I.D. — 2.7 Ft. Run 631  
 Total Depth 3573 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
 Mud Wt. 9.1 lb/gal. Viscosity 48 Filtrate 12.8  
 Tool Open @ 7:56 AM Initial Blow weak 1/2" blow decreasing & died in 25 minutes  
 Final Blow no blow

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>1</u> Feet Of <u>FO</u> %gas _____ %oil _____ %water _____ %mud _____		
Rec. <u>19</u> Feet Of <u># OIL Spkd mud</u> %gas <u>2</u> %oil _____ %water <u>98</u> %mud _____		
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____		
Rec. _____ Feet Of _____ %gas _____ %oil _____ %water _____ %mud _____		

BHT 103 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System

(A) Initial Hydrostatic Mud 1811 PSI AK1 Recorder No. 22150 Range 3925  
 (B) First Initial Flow Pressure 44 PSI @ (depth) 3532 w/Clock No. 30401  
 (C) First Final Flow Pressure 52 PSI AK1 Recorder No. 24174 Range 3050  
 (D) Initial Shut-In Pressure 415 PSI @ (depth) 3572 w/Clock No. 27573  
 (E) Second Initial Flow Pressure 52 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 52 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
 (G) Final Shut-In Pressure 400 PSI Initial Opening 30 Test \_\_\_\_\_  
 (H) Final Hydrostatic Mud 1803 PSI Initial Shut-In 45 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 10 Safety Joint \_\_\_\_\_  
 Final Shut-In 45 Straddle \_\_\_\_\_  
 Circ. Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  
 Other \_\_\_\_\_

Approved By [Signature]  
 Our Representative Paul Simpson

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

## Drill-Stem Test Data

Well Name RATHBUN #1 Test No. 5 Date 10/11/92  
Company CARMEN SCHMITT, INC. Zone ARBUCKLE  
Address P.O. BOX 47 GREAT BEND KS 67530 Elevation 1975  
Co. Rep./Geo. STEVE PARKER Cont. DUKE RIG #1 Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 19 Twp. 11S Rge. 19W Co. ELLIS State KS

Interval Tested	<u>3527-3579</u>	Drill Pipe Size	<u>4.5" FH</u>
Anchor Length	<u>52</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>631</u>
Top Packer Depth	<u>3522</u>	Drill Collar - 2.25 Ft. Run	_____
Bottom Packer Depth	<u>3527</u>	Mud Wt.	<u>9.1</u> lb/Gal.
Total Depth	<u>3579</u>	Viscosity	<u>44</u> Filtrate <u>12.8</u>

Tool Open @ 7:15 PM Initial Blow WEAK 1/2" BLOW BUILDING TO 1 3/4"

Final Blow SURFACE BLOW BUILDING TO 1/4"

Recovery - Total Feet 65 Flush Tool? NO

Rec. <u>5</u>	Feet of	<u>OIL SPECKED MUD-3%OIL/97%MUD</u>
Rec. <u>60</u>	Feet of	<u>VERY SLTLY OI SPECKED MUD</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT N/A °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW 0.59 @ 53.2 °F Chlorides 14000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 1790.6 PSI AK1 Recorder No. 22150 Range 3925

(B) First Initial Flow Pressure 55.6 PSI @ (depth) 3558 w / Clock No. 27573

(C) First Final Flow Pressure 68.3 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 1164.2 PSI @ (depth) 3578 w / Clock No. 27501

(E) Second Initial Flow Pressure 75.2 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_

(F) Second Final Flow Pressure 88.6 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_

(G) Final Shut-in Pressure 1150.9 PSI Initial Opening 45 Final Flow 45

(H) Final Hydrostatic Mud 1780.6 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative PAUL SIMPSON



# TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-051-24808-00-00

## Test Ticket

NE 5224

Well Name & No. Rathbun #1 Test No. 5 Date 10-11-92  
Company Carma Schmitt Inc Zone Tested Arb  
Address \_\_\_\_\_ Elevation 1975  
Co. Rep./Geo. Steve Parker cont. Duke #: Est. Ft. of Pay \_\_\_\_\_  
Location: Sec. 19 Twp. 11s Rge. 19w Co. E11B State Ks  
No. of Copies \_\_\_\_\_ Distribution Sheet \_\_\_\_\_ Yes \_\_\_\_\_ No Turnkey \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_ Evaluation \_\_\_\_\_

Interval Tested 3527-3579 Drill Pipe Size 4 1/2" FH  
Anchor Length 52 Top Choke — 1" \_\_\_\_\_ Bottom Choke — 3/4" \_\_\_\_\_  
Top Packer Depth 3527 Hole Size — 7 7/8" \_\_\_\_\_ Rubber Size — 6 3/4" \_\_\_\_\_  
Bottom Packer Depth 3527 Wt. Pipe I.D. — 2.7 Ft. Run 631  
Total Depth 3579 Drill Collar — 2.25 Ft. Run \_\_\_\_\_  
Mud Wt. 9.1 lb/gal. Viscosity 44 Filtrate 12.8  
Tool Open @ 7:15 PM Initial Blow weak 1/2" blow building to 1 3/4"  
Final Blow surface blow building to 4"

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>5</u> Feet Of <u>Oil speckled mud</u>	% gas <u>3</u> % oil _____	% water <u>97</u> % mud _____
Rec. <u>60</u> Feet Of <u>also speckled 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 _____

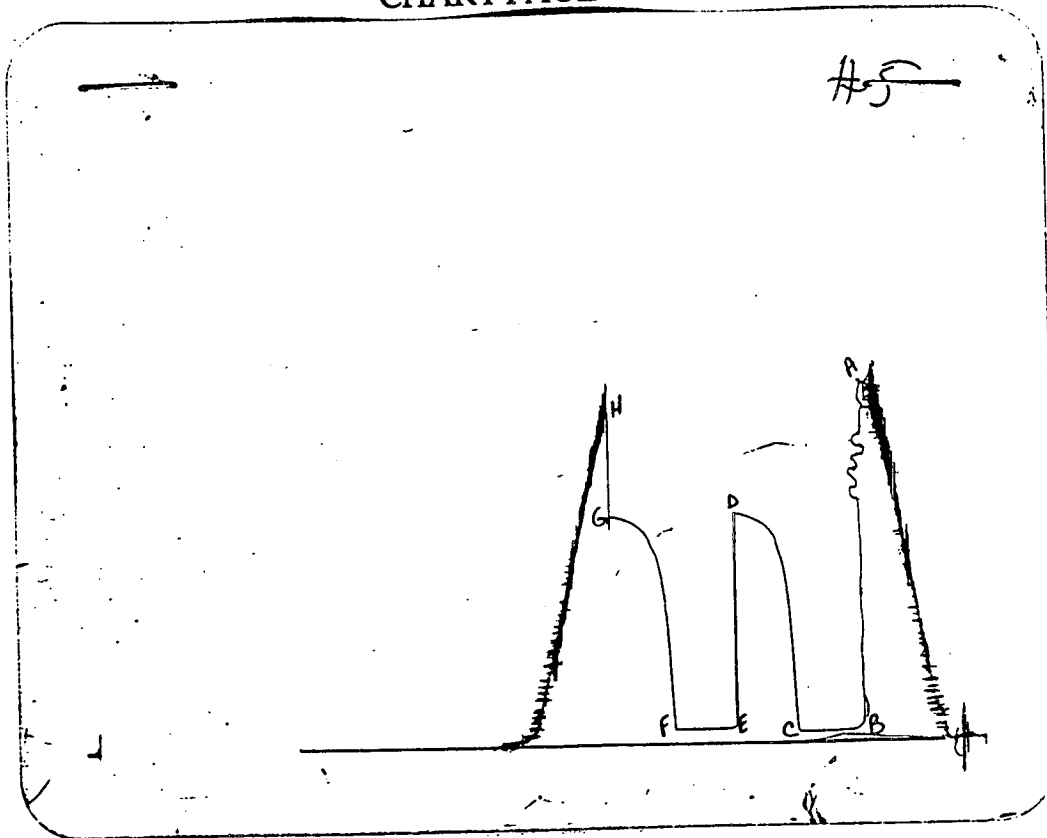
BHT \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW 59 @ 53.2 °F Chlorides 14,000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 1788 PSI AK1 Recorder No. 22150 Range 3925  
(B) First Initial Flow Pressure 52 PSI @ (depth) 3558 w/Clock No. 27573  
(C) First Final Flow Pressure 67 PSI AK1 Recorder No. 24174 Range 3050  
(D) Initial Shut-in Pressure 1160 PSI @ (depth) 3578 w/Clock No. 27501  
(E) Second Initial Flow Pressure 74 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
(F) Second Final Flow Pressure 87 PSI @ (depth) \_\_\_\_\_ w/Clock No. \_\_\_\_\_  
(G) Final Shut-in Pressure 1153 PSI Initial Opening 45 Test \_\_\_\_\_  
(H) Final Hydrostatic Mud 1781 PSI Initial Shut-in 45 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 \_\_\_\_\_  
Our Representative Paul Simpson  
Safety Joint \_\_\_\_\_  
Straddle \_\_\_\_\_  
Circ. Sub \_\_\_\_\_  
Sampler \_\_\_\_\_  
Extra Packer \_\_\_\_\_  
Other \_\_\_\_\_  
TOTAL PRICE \$ \_\_\_\_\_

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1788	1790.6
(B) FIRST INITIAL FLOW PRESSURE	52	55.6
(C) FIRST FINAL FLOW PRESSURE	67	68.3
(D) INITIAL CLOSED-IN PRESSURE	1160	1164.2
(E) SECOND INITIAL FLOW PRESSURE	74	75.2
(F) SECOND FINAL FLOW PRESSURE	82	88.6
(G) FINAL CLOSED-IN PRESSURE	1153	1150.9
(H) FINAL HYDROSTATIC MUD	1781	1780.6

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

15-051-24808-00-00

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ORIGINAL

# ALLIED CEMENTING CO., INC.

3346

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Fwp.	Range	Called Out	On Location	Job Start	Finish
10-5-92	19	115	19W				7:00PM
Lease	Well No.	Location		County	State		
Rothman	1	Yocemento N to River Rd		Ellis	KS		

Contractor		Duke Drig Rig 1	
Type Job	Surface		
Hole Size	12 1/4	T.D.	216
Csg.	8 3/8	Depth	215
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	10-15	Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	13.36 RBM
Perf.			

Owner	3W 49
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Charge To	Carmen Schmitt Inc
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	Edward Williams

### EQUIPMENT

Pumptrk	No.	Cementer	Duke
	153	Helper	
Pumptrk	No.	Cementer	Paul
		Helper	
Bulktrk	160	Driver	
		Driver	

CEMENT	
Amount Ordered	135 2/3 3600 2% gel
Consisting of	
Common	RELEASED
Poz. Mix	11-18-1993
Gel.	NOV 1 0 1993
Chloride	
Quickset	8-28
	OCT 2 0
	FROM CONFIDENTIAL
	Sales Tax
Handling	CONFIDENTIAL

### DEPTH of Job

Reference:	Duke for city	
	1200 ft into	
	8' E wash plug	
	Sub Total	
	Tax	
	Total	

Mileage	
Sub Total	
Total	
Floating Equipment	

Remarks: Cement Cir

RECEIVED  
STATE COMMISSION COMMISSION  
10-30-1992  
OCT 30 1992  
CONSERVATION DIVISION  
WILLIAM B. HARRIS

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the wilful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

15-051-24808-00-00

ORIGINAL

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

# ALLIED CEMENTING CO., INC.

3349

Home Office P. O. Box 31

Russell, Kansas 67665

*New*

Date	10-12-92	Sec.	19	FWP.	115	Range	19W	Called Out		On Location	10:30AM	Job Start	11:00AM	Finish	2:20PM
Lease	Rathbun	Well No.	1	Location	Yocemento N to River Rd			County	Ellis	State	Ks				
Contractor	Duke Dely Rig 1														
Type Job	Plug														
Hole Size	7 7/8		T.D.	3609											
Csg.			Depth												
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.			Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace												
Perf.															

Owner *3W 45*

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To *Carmen Schmitt Inc*

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X *Louise Williams*

*1 Fluoreal* CEMENT

Amount Ordered *215 @ 6% gel*

Consisting of

Common

Poz. Mix

Gel.

Chloride *10-28*

Quickset *OCT 28*

RELEASED  
 11-18-1993  
 NOV 16 1993

CONFIDENTIAL Sales Tax

Handling

Mileage

Sub Total

Total

Floating Equipment

RECEIVED  
 STATE COMMISSION  
 10-30-1992  
 OCT 30 1992

CONSERVATION DIVISION

### EQUIPMENT

Pumptrk	No.	Cementer	<i>Dave</i>
	<i>153</i>	Helper	
Pumptrk	No.	Cementer	<i>Paul</i>
		Helper	
Bulktrk		Driver	
	<i>160</i>	Driver	

### DEPTH of Job

Reference:	<i>Dimple trk chg</i>	
	<i>1200 ft mile</i>	
		Sub Total
		Tax
		Total

Remarks:

*25 @ 3500*

*25 @ 1340*

*100 + 1 Fluoreal @ 625*

*40 @ 250*

*10 @ 400 15 Rathbun*

## GENERAL TERMS AND CONDITIONS

**DEFINITIONS:** In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees:

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

**WARRANTIES:** 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. **THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.**

2. More specifically:

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.

(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.