

**CONFIDENTIAL**

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

11/18/09  
Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 6569  
Name: Carmen Schmitt Inc.  
Address: PO Box 47  
City/State/Zip: Great Bend, KS 67530  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Jacob Porter  
Phone: (620) 793-5100  
Contractor: Name: HD Drilling LLC  
License: 33935  
Wellsite Geologist: Jacob Porter

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**JAN 18 2008**  
**KCC**

Designate Type of Completion:  
\_\_\_\_ New Well \_\_\_\_ Re-Entry \_\_\_\_ Workover  
 Oil \_\_\_\_ SWD \_\_\_\_ SIOW \_\_\_\_ Temp. Abd.  
\_\_\_\_ Gas \_\_\_\_ ENHR \_\_\_\_ SIGW  
\_\_\_\_ Dry \_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
\_\_\_\_ Deepening \_\_\_\_ Re-perf. \_\_\_\_ Conv. to Enhr./SWD  
\_\_\_\_ Plug Back \_\_\_\_ Plug Back Total Depth  
\_\_\_\_ Commingled Docket No. \_\_\_\_\_  
\_\_\_\_ Dual Completion Docket No. \_\_\_\_\_  
\_\_\_\_ Other (SWD or Enhr.?) Docket No. \_\_\_\_\_

11/20/07	12/3/07	12/4/07
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 101-22056-0000  
County: Lane  
\_\_\_\_ W/2 W/2 NE Sec. 1 Twp. 19s S. R. 30w  East  West  
1320 fnl \_\_\_\_\_ feet from S / N (circle one) Line of Section  
2310 fel \_\_\_\_\_ feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Louise Well #: 1  
Field Name: WC

Producing Formation: LKC L  
Elevation: Ground: 2852' Kelly Bushing: 2857'  
Total Depth: 4642' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 220' Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2249' Feet  
If Alternate II completion, cement circulated from 2249'  
feet depth to surface w/ 225 sks smd w 56# flocele sx cmt.

**Drilling Fluid Management Plan** AHT NH 9-308  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: Jacob L. Porter  
Title: Operations Manager Date: 1/18/08  
Subscribed and sworn to before me this 18 day of January  
20 08  
Notary Public: Elaine Meyer  
Date Commission Expires: 12-13-2011

NOTARY PUBLIC - State of Kansas  
**ELAINE MEYER**  
My Appt. Exp. 12-13-2011

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

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KANSAS CORPORATION COMMISSION  
**JAN 22 2008**  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Carmen Schmitt Inc. Lease Name: Louise Well #: 1  
 Sec. 1 Twp. 19s S. R. 30w  East  West County: Lane

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3908'	-1051'
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3952'	-1095'
List All E. Logs Run:		Base KC	4315'	-1458'
Dual Compensated Porosity		Marmaton	4322'	-1465'
Dual Induction		Pawnee	4435'	-1578'
Sonic		Fort Scott	4483'	-1626'
Microlog		Cherokee	4504'	-1647'
		Mississippian	4564'	-1707'

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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	12.25"	8 5/8"	23#	220'	common	160	3% CC, 2% gel
Production	7 7/8"	5 1/2"	14#	4612'	ea2	200	Calseal, Salt, CFR-1, floseal

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
2	perforate and produce	natural	4292-4300"
	perforate, treat, and set under bridge plug at 4390'	500 gal 15% mud acid, retreat w 1500 gal 15% NE acid	4408-18'

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**WICHITA, KS**

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>4257'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>1/4/08</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls. <u>160</u>	Gas Mcf	Water Bbls.	Gas-Oil Ratio

Disposition of Gas  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled \_\_\_\_\_  
 (If vented, Submit ACO-18.)  Other (Specify) \_\_\_\_\_

**CARMEN SCHMITT INC.**  
**P.O. BOX 47**  
**GREAT BEND KS 67530**  
New Wealth Comes From the Land  
620-793-5100

1-18-08

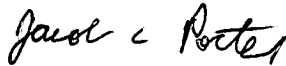
Conservation Division  
Kansas Corporation Commission  
130 S. Market, Room 2078  
Wichita, KS 67202

Re: ACO-1 Confidentiality, Louise #1, 1-19S-30W, API 15-101-22056-0000

To Whom It May Concern:

Please hold all logs and side 2 of the enclosed ACO-1 confidential for 12 months.

Sincerely,



Jacob Porter

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**JAN 18 2008**  
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**WICHITA, KS**



**JOB LOG**

**SWIFT Services, Inc.**

DATE 12-3-07 PAGE 1

CUSTOMER **CARMEN SCHMIDT** WELL NO. #1 LEASE **LOUISE** JOB TYPE **5 1/2" LONGSTRENG** TICKET NO. **13587**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2200							ON LOCATION
	0030							START 5 1/2" CASING TO WELL
								TD- 4642 SETC 4610 TP- 4612 5 1/2" / 14 ST- 42.44 CS/REALIZERS - 4, 6, 8, 13, 16, 18, 55, 57, 60 CMT BSKTS - 2, 5, 11, 56 PORT COLLAR c 2249 TOP JT # 56
	0230							DROP BALL - CIRCULATE ROTATE
	0334	6	12		✓		500	PUMP 500 GAL MUDFLUSH "
	0336	6	20		✓		500	PUMP 20 BBLs KCL-FLUSH "
	0342		4					PLUG RH
	0348	4 1/2	48		✓		300	MAX CEMENT 200 SKS EA-2 c 15.5 PPG "
	0402							WASH OUT PUMP - LEAKS
	0404							RELEASE LATCH DOWN PLUG
	0405	7	0		✓			DISPLACE PLUG (1 <sup>ST</sup> 50 BBLs KCL/H <sub>2</sub> O) "
		7	101				900	SHUT OFF ROTATING
	0420	6 1/2	111.5				1500	PLUG DOWN - PSE UP LATCH IN PLUG
	0422						OK	RELEASE PSE - HELD
								WASH TRUCK
	0530							JOB COMPLETE

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 WICHITA, KS

THANK YOU  
 WAVE, BERTT, SHAJE

JOB LOG

SWIFT Services, Inc.

DATE 12-19-07

CUSTOMER (ARME) SCHMIDT WELL NO. #1 LEASE LOUISE JOB TYPE CEMENT PORT COLLAR TICKET NO. 13629

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							ON LOCATION
								TUBING - 2 3/8 CASING - 5 1/2"
								PORT COLLAR = 2249'
								CONFIDENTIAL JAN 18 2008 KCC
	0930				✓		1000	PSE TEST CASING - HEAD
	0935	3	2	✓			400	OPEN PORT COLLAR - ZWT RATE
	0940	4	125	✓			450	MIX CEMENT - 225 SKS SMD 1/4" FLOODE P/SK
	1015	3	8	✓			550	DISPARE CEMENT
	1025			✓			1000	CLOSE PORT COLLAR - PSE TEST - HEAD
								CORQUATED 15 SKS CEMENT TO PCT
	1035	3	25	✓			400	RUN 4 JTS CORQUATE CLEAN
								WASH TRUCK
								PULL TOOL
	1130							JOB COMPLETE

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CONSERVATION DIVISION  
WICHITA, KS

THANK YOU  
WAYNE, BRETT, RYAN

# ALLIED CEMENTING CO., INC.

25489

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Great Bend

11-21-07

DATE <u>11-20-07</u>	SEC. <u>1</u>	TWP. <u>19</u>	RANGE <u>30</u>	CALLED OUT <u>8:00 PM</u>	ON LOCATION <u>12:00 AM</u>	JOB START <u>5:00 AM</u>	JOB FINISH <u>6:00 AM</u>
LEASE <u>Louise</u>	WELL # <u>2</u>	LOCATION <u>Fighter 8 W 2 S</u>			COUNTY <u>Lane</u>	STATE <u>Kansas</u>	
OLD OR NEW (Circle one)							

CONTRACTOR H-D Drilling LLC

OWNER Carmen Schmitt Inc.

TYPE OF JOB Surface

HOLE SIZE 12 1/8 T.D. 224

CEMENT AMOUNT ORDERED 170 ex Common

CASING SIZE 8 5/8 DEPTH 223

3% CC 2% Gel

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15

PERFS.

DISPLACEMENT  13.2 RBLS 11<sup>20</sup>

**EQUIPMENT**

M.B.

PUMP TRUCK CEMENTER H.D. Drilling

# 120 HELPER Tyler Wintag

BULK TRUCK DRIVER Kevin Weighous

# 342 DRIVER

BULK TRUCK DRIVER

**REMARKS:**

Rig was 124 @ 12:30 AM  
 Ran 8 5/8 casing to Bottom  
 Circulate with rig mud thick up  
 to pump truck & mixed 170 ex common  
 3% cc 2% Gel. Shut down change  
 valves over & released 8 5/8 TWP.  
 Displaced plug with 13.2 RBLS H<sup>20</sup>  
 Cement did circulate. Shut in.  
 (4 RBLS cement to pit)

CHARGE TO: Carmen Schmitt Inc.

STREET P.O. Box 47

CITY Great Bend STATE Kansas ZIP 67530

**SERVICE**

DEPTH OF JOB 223

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

Headrental @

TOTAL

**PLUG & FLOAT EQUIPMENT**

1.8 5/8 TWP @

@

@

@

@

TOTAL

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

SIGNATURE X Doug Roberts

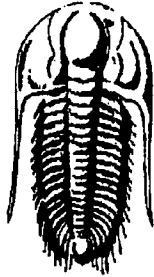
X Doug Roberts

PRINTED NAME

Thank you

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 CONSERVATION DIVISION  
 WICHITA, KS  
 JAN 2 2008

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment  
 and furnish cementer and helper to assist down or  
 contractor to do work as is listed. The above work was  
 done to satisfaction and supervision of owner agent or  
 contractor. I have read & understand the "TERMS AND  
 CONDITIONS" listed on the reverse side.



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Carmen Schmitt Inc**

PO Box 47  
Great Bend KS 67530

ATTN: Rich O Donall

**1 19 30 Lane KS**

**Louise #1**

Start Date: 2007.11.27 @ 09:00:50

End Date: 2007.11.27 @ 17:22:29

Job Ticket #: 29755                      DST #: 1

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**JAN 18 2008**  
**KCC**

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**KANSAS CORPORATION COMMISSION**

**JAN 22 2008**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Carmen Schmitt Inc

Louise #1

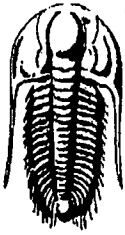
1 19 30 Lane KS

DST # 1

LKC-D

2007.11.27





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

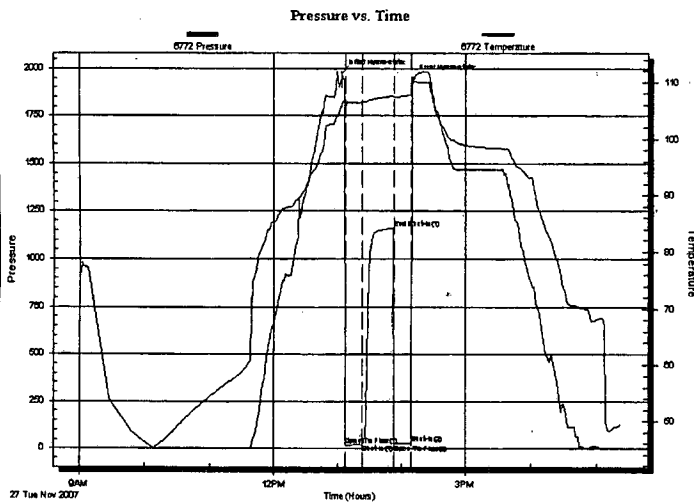
**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29755      **DST#: 1**  
Test Start: 2007.11.27 @ 09:00:50

## GENERAL INFORMATION:

Formation: **LKC- D**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 13:07:30  
Time Test Ended: 17:22:29  
Interval: **4024.00 ft (KB) To 4065.00 ft (KB) (TVD)**  
Total Depth: **4065.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**  
Test Type: **Conventional Bottom Hole**  
Tester: **Brandon Turley**  
Unit No: **35**  
Reference Elevations: **2857.00 ft (KB)**  
**2852.00 ft (CF)**  
KB to GR/CF: **5.00 ft**

**Serial #: 6772**      **Outside**  
Press@RunDepth: **22.60 psig @ 4025.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2007.11.27**      End Date: **2007.11.27**      Last Calib.: **2007.11.27**  
Start Time: **09:00:50**      End Time: **17:22:29**      Time On Btm: **2007.11.27 @ 13:03:45**  
Time Off Btm: **2007.11.27 @ 14:10:14**

TEST COMMENT: IF Surface blow died in 11 min.  
IS No return  
FF No blow



## PRESSURE SUMMARY

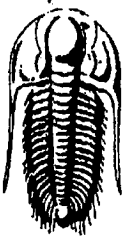
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1975.49	105.77	Initial Hydro-static
4	15.28	105.63	Open To Flow (1)
20	22.60	106.42	Shut-In(1)
49	1162.07	107.61	End Shut-In(1)
50	24.34	107.37	Open To Flow (2)
66	29.16	107.77	Shut-In(2)
67	1946.37	109.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	M w/Oil spots 100%M	0.05

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc

**Louise #1**

PO Box 47  
Great Bend KS 67530

**1 19 30 Lane KS**

Job Ticket: 29755

**DST#: 1**

ATTN: Rich O Donall

Test Start: 2007.11.27 @ 09:00:50

### Tool Information

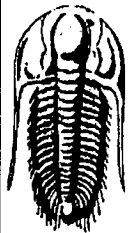
Drill Pipe:	Length: 3801.00 ft	Diameter: 3.80 inches	Volume: 53.32 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 226.00 ft	Diameter: 2.25 inches	Volume: 1.11 bbl	Weight to Pull Loose: 70000.00 lb
		<b>Total Volume:</b>	<b>54.43 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4024.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	41.00 ft			
Tool Length:	68.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3998.00	
Shut In Tool	5.00			4003.00	
Hydraulic tool	5.00			4008.00	
Jars	5.00			4013.00	
Safety Joint	2.00			4015.00	
Packer	5.00			4020.00	27.00 Bottom Of Top Packer
Packer	4.00			4024.00	
Stubb	1.00			4025.00	
Recorder	0.00	8353	Inside	4025.00	
Recorder	0.00	6772	Outside	4025.00	
Perforations	2.00			4027.00	
Change Over Sub	1.00			4028.00	
Drill Pipe	31.00			4059.00	
Change Over Sub	1.00			4060.00	
Bullnose	5.00			4065.00	41.00 Bottom Packers & Anchor

**Total Tool Length: 68.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29755      **DST#: 1**  
Test Start: 2007.11.27 @ 09:00:50

## Mud and Cushion Information

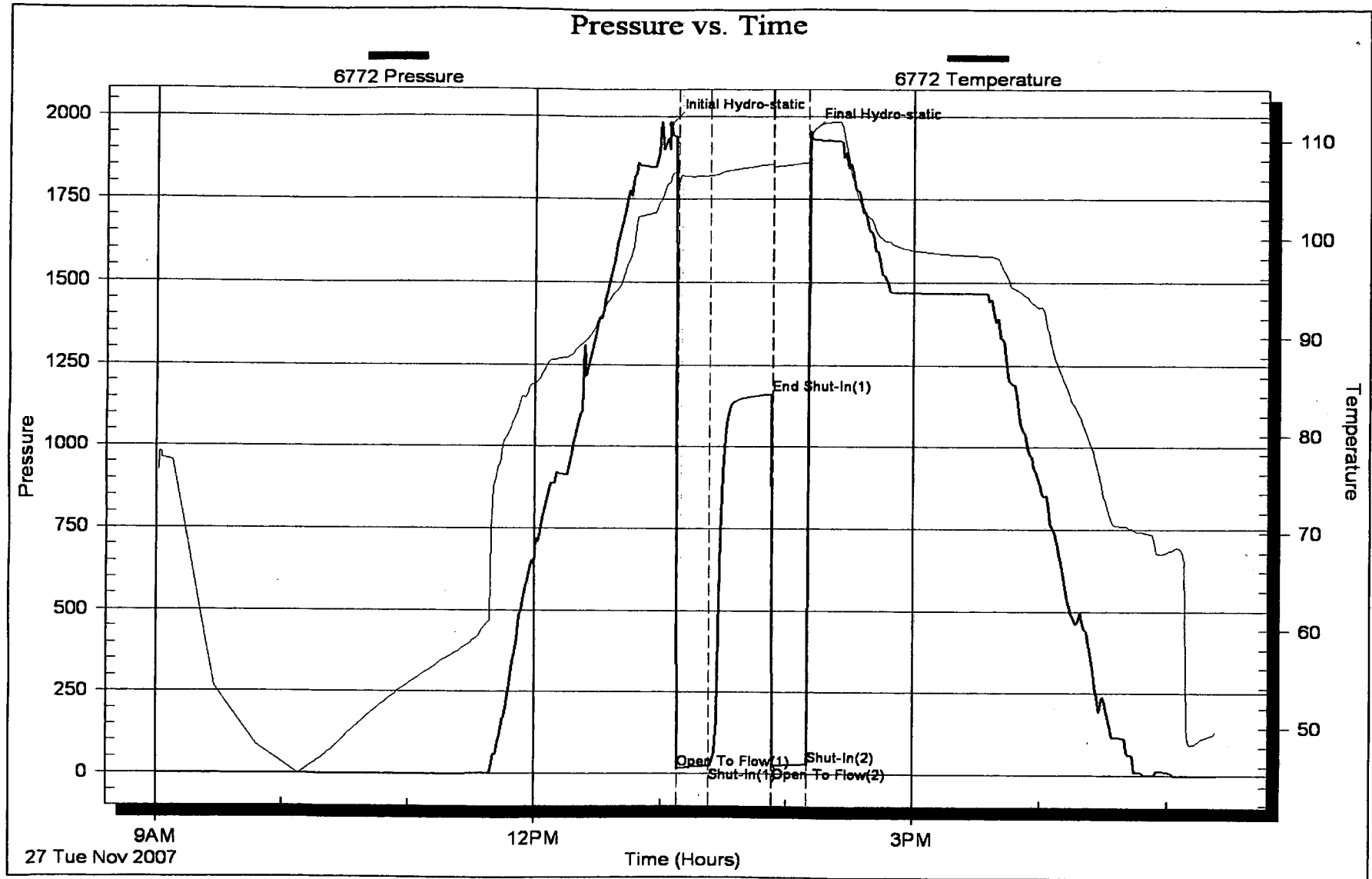
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.95 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1800.00 ppm			
Filter Cake: 1.00 inches			

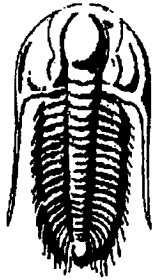
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M w/Oil spots 100%M	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47  
Great Bend KS 67530

ATTN: Rich O Donall

**1 19 30 Lane KS**

**Louise #1**

Start Date: 2007.11.28 @ 11:15:39

End Date: 2007.11.28 @ 21:16:19

Job Ticket #: 29756                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Carmen Schmitt Inc

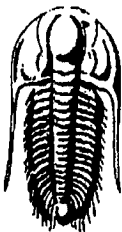
Louise #1

1 19 30 Lane KS

DST # 2

Lansing G-H

2007.11.28



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

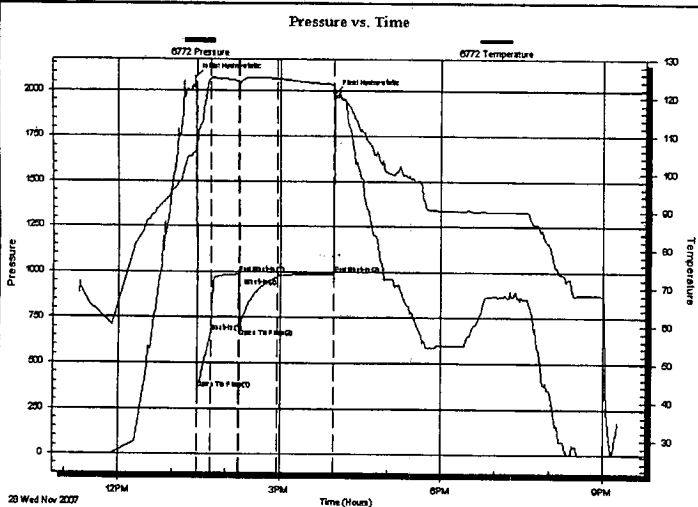
**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29756      **DST#: 2**  
Test Start: 2007.11.28 @ 11:15:39

## GENERAL INFORMATION:

Formation: **Lansing G-H**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 13:28:19  
Time Test Ended: 21:16:19  
Test Type: Conventional Bottom Hole  
Tester: Brandon Turley  
Unit No: 35  
Interval: **4128.00 ft (KB) To 4170.00 ft (KB) (TVD)**  
Reference Elevations: 2857.00 ft (KB)  
Total Depth: 4170.00 ft (KB) (TVD)                      2852.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Good                      KB to GR/CF: 5.00 ft

**Serial #: 6772**      **Outside**  
Press@RunDepth: 969.46 psig @ 4129.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2007.11.28      End Date: 2007.11.28      Last Calib.: 2007.11.28  
Start Time: 11:15:39      End Time: 21:16:19      Time On Btm: 2007.11.28 @ 13:26:04  
Time Off Btm: 2007.11.28 @ 16:00:18

**TEST COMMENT:** IF BOB in 1 min.  
IS Surface blow built to 1/2 in 30 min.  
FF BOB in 2 min.  
FS Surface blow died in 45 min.



## PRESSURE SUMMARY

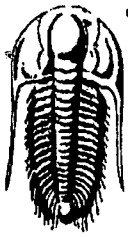
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2069.72	105.75	Initial Hydro-static
3	357.33	105.93	Open To Flow (1)
18	669.50	124.73	Shut-In(1)
48	986.63	124.31	End Shut-In(1)
49	688.52	124.05	Open To Flow (2)
92	969.46	124.84	Shut-In(2)
154	989.99	123.36	End Shut-In(2)
155	1984.99	121.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCW 90%W 10%M	0.59
2242.00	GO 10%G 90%O	30.48

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29756      **DST#: 2**  
Test Start: 2007.11.28 @ 11:15:39

**Tool Information**

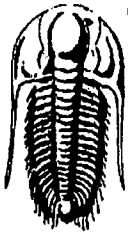
Drill Pipe:	Length: 3894.00 ft	Diameter: 3.80 inches	Volume: 54.62 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 226.00 ft	Diameter: 2.25 inches	Volume: 1.11 bbl	Weight to Pull Loose: 80000.00 lb
			<b>Total Volume: 55.73 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4128.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Stubb	1.00			4102.00	
Shut In Tool	5.00			4107.00	
Hydraulic tool	5.00			4112.00	
Jars	5.00			4117.00	
Safety Joint	2.00			4119.00	
Packer	5.00			4124.00	27.00      Bottom Of Top Packer
Packer	4.00			4128.00	
Stubb	1.00			4129.00	
Recorder	0.00	8353	Inside	4129.00	
Recorder	0.00	6772	Outside	4129.00	
Perforations	4.00			4133.00	
Change Over Sub	1.00			4134.00	
Drill Pipe	30.00			4164.00	
Change Over Sub	1.00			4165.00	
Bullnose	5.00			4170.00	42.00      Bottom Packers & Anchor

**Total Tool Length: 69.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29756      **DST#: 2**  
Test Start: 2007.11.28 @ 11:15:39

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 23 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 48000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.76 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

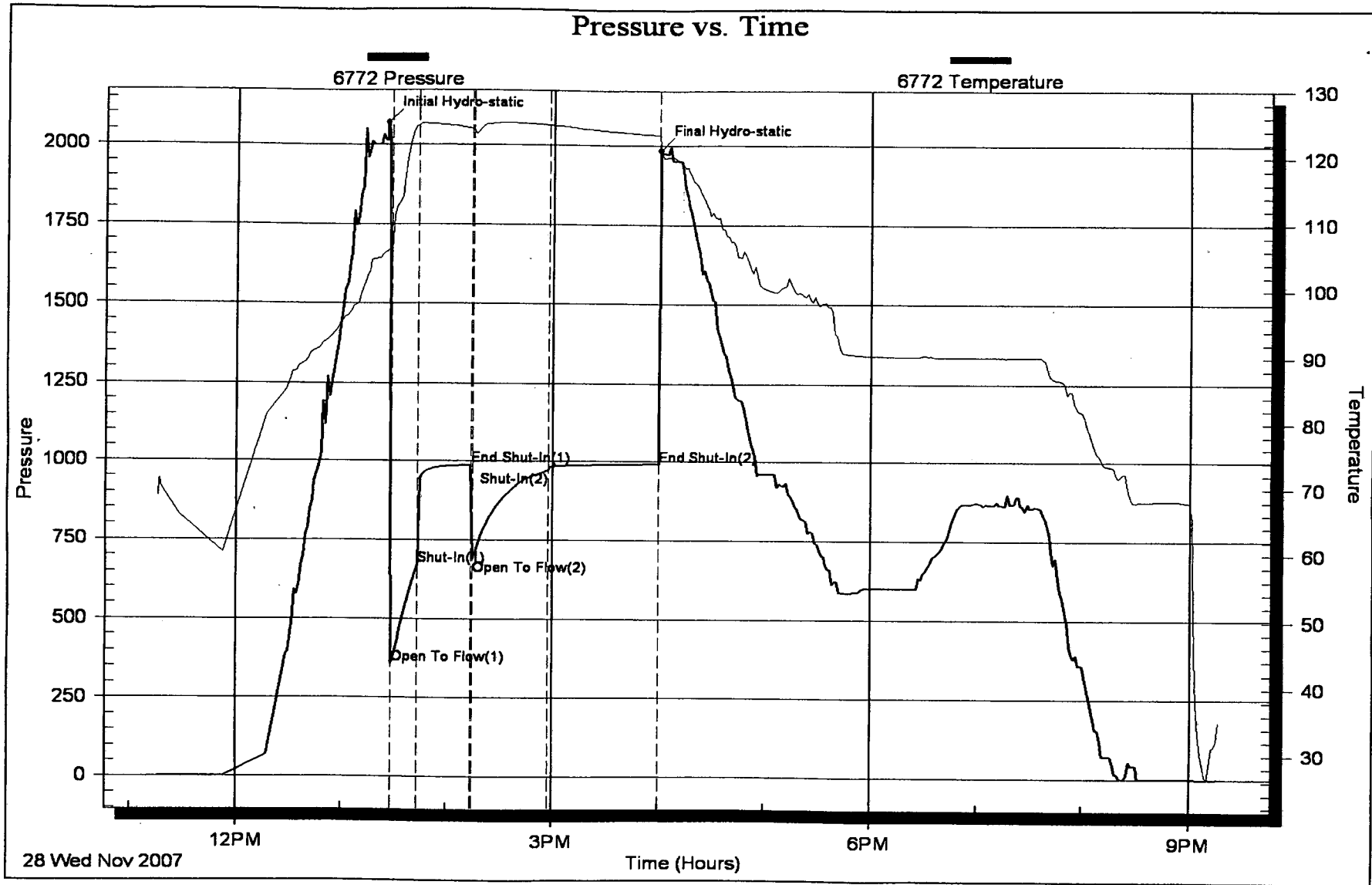
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCW 90%W 10%M	0.590
2242.00	GO 10%G 90%O	30.484

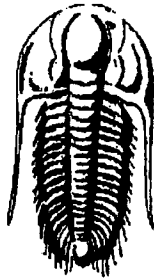
Total Length: 2362.00 ft      Total Volume: 31.074 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





28 Wed Nov 2007

Time (Hours)



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47  
Great Bend KS 67530

ATTN: Rich O Donall

**1 19 30 Lane KS**

**Louise #1**

Start Date: 2007.11.29 @ 10:05:13

End Date: 2007.11.29 @ 18:15:52

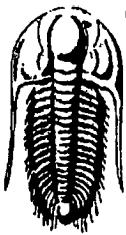
Job Ticket #: 29757                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29757      **DST#: 3**  
Test Start: 2007.11.29 @ 10:05:13

**Tool Information**

Drill Pipe:	Length: 3923.00 ft	Diameter: 3.80 inches	Volume: 55.03 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 226.00 ft	Diameter: 2.25 inches	Volume: 1.11 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 56.14 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4170.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	67.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4144.00	
Shut In Tool	5.00			4149.00	
Hydraulic tool	5.00			4154.00	
Jars	5.00			4159.00	
Safety Joint	2.00			4161.00	
Packer	5.00			4166.00	27.00      Bottom Of Top Packer
Packer	4.00			4170.00	
Stubb	1.00			4171.00	
Recorder	0.00	8353	Inside	4171.00	
Recorder	0.00	6772	Outside	4171.00	
Perforations	2.00			4173.00	
Change Over Sub	1.00			4174.00	
Drill Pipe	30.00			4204.00	
Change Over Sub	1.00			4205.00	
Bullnose	5.00			4210.00	40.00      Bottom Packers & Anchor

**Total Tool Length: 67.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29757      **DST#: 3**  
Test Start: 2007.11.29 @ 10:05:13

### Mud and Cushion Information

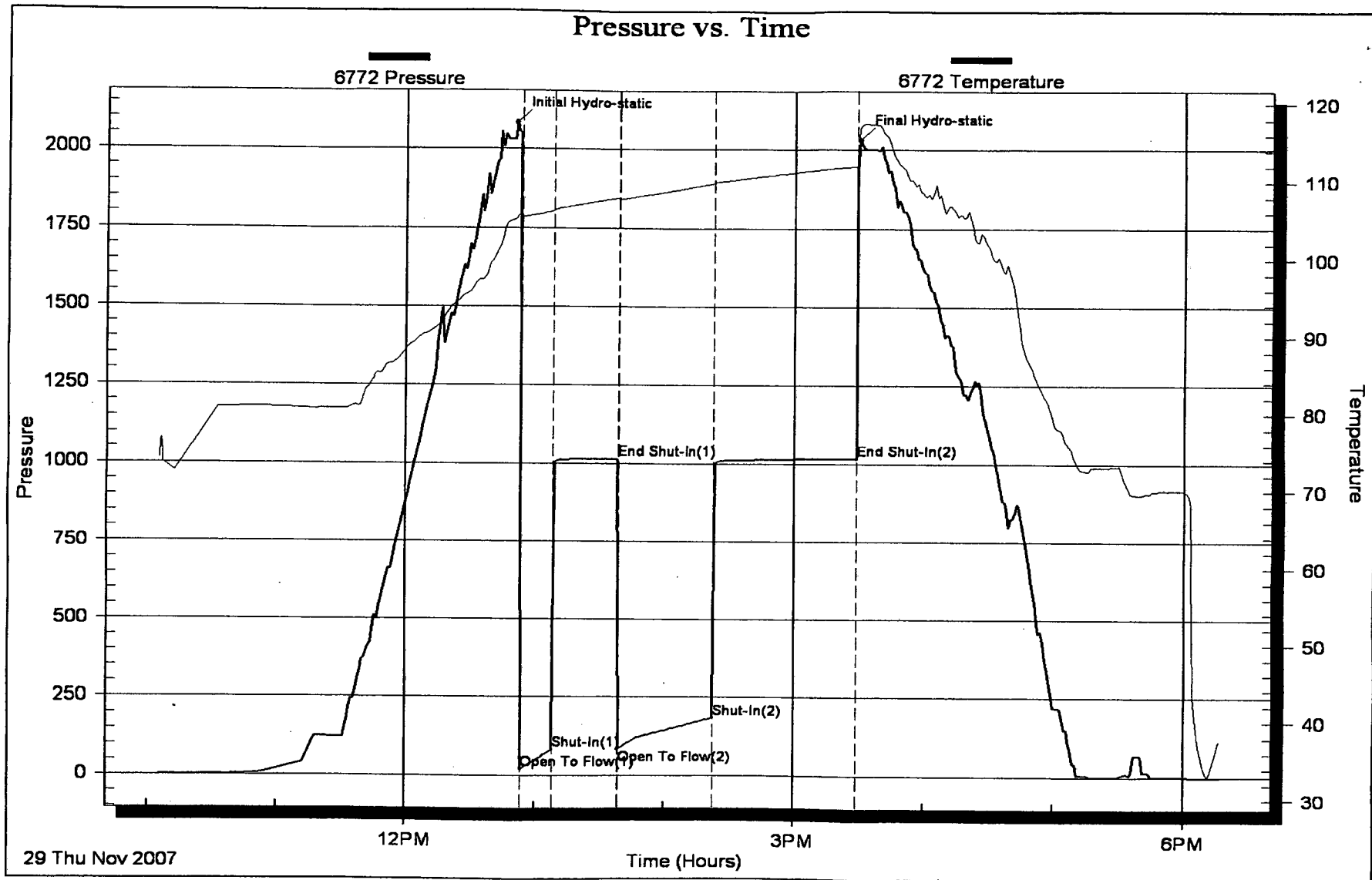
Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 39000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 10.36 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 2500.00 ppm		
Filter Cake: 1.00 inches		

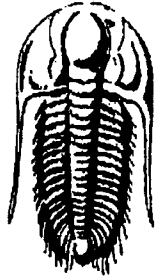
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
226.00	MCW 90%W 10%M	1.111
152.00	MCW 80%W 20%M	2.132
1.00	Free Oil 100%O	0.014

Total Length: 379.00 ft      Total Volume: 3.257 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47  
Great Bend KS 67530

ATTN: Rich O Donall

**1 19 30 Lane KS**

**Louise #1**

Start Date: 2007.11.30 @ 06:02:19

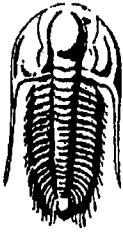
End Date: 2007.11.30 @ 15:43:29

Job Ticket #: 29758                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc  
 PO Box 47  
 Great Bend KS 67530  
 ATTN: Rich O Donall

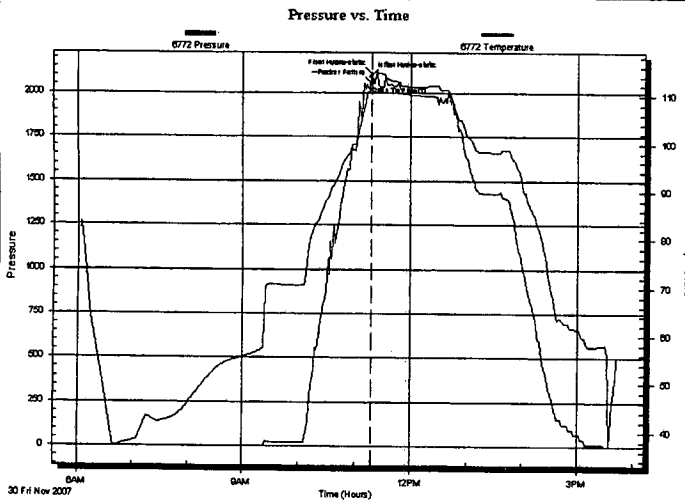
**Louise #1**  
**1 19 30 Lane KS**  
 Job Ticket: 29758 **DST#: 4**  
 Test Start: 2007.11.30 @ 06:02:19

## GENERAL INFORMATION:

Formation: **Lansing J**  
 Deviated: **No Whipstock:** ft (KB)  
 Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: **11:17:58**  
 Tester: **Brandon Turley**  
 Time Test Ended: **15:43:29**  
 Unit No: **35**  
 Interval: **4210.00 ft (KB) To 4237.00 ft (KB) (TVD)**  
 Reference Elevations: **2857.00 ft (KB)**  
 Total Depth: **4237.00 ft (KB) (TVD)**  
**2852.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**  
 KB to GR/CF: **5.00 ft**

**Serial #: 6772 Outside**  
 Press@RunDepth: psig @ **4211.00 ft (KB)** Capacity: **7000.00 psig**  
 Start Date: **2007.11.30** End Date: **2007.11.30** Last Calib.: **2007.11.30**  
 Start Time: **06:02:19** End Time: **15:43:29** Time On Btm: **2007.11.30 @ 11:16:43**  
 Time Off Btm: **2007.11.30 @ 11:18:13**

TEST COMMENT: IF Packers failed at open.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2091.95	111.28	Initial Hydro-static
1	2051.35	111.95	--Packer Failure
2	1986.99	111.99	Open To Flow (1)
2	2106.49	112.35	Final Hydro-static

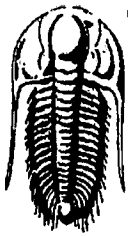
## Recovery

Length (ft)	Description	Volume (bbl)
316.00	M	2.37

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29758      **DST#: 4**  
Test Start: 2007.11.30 @ 06:02:19

**Tool Information**

Drill Pipe:	Length: 3987.00 ft	Diameter: 3.80 inches	Volume: 55.93 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 226.00 ft	Diameter: 2.25 inches	Volume: 1.11 bbl	Weight to Pull Loose:	62000.00 lb
		<b>Total Volume:</b>	<b>57.04 bbl</b>	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4210.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	27.00 ft				
Tool Length:	54.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

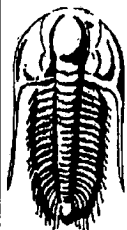
Tool Comments:

**Tool Description**

**Length (ft)    Serial No.    Position    Depth (ft)    Accum. Lengths**

Stubb	1.00			4184.00	
Shut In Tool	5.00			4189.00	
Hydraulic tool	5.00			4194.00	
Jars	5.00			4199.00	
Safety Joint	2.00			4201.00	
Packer	5.00			4206.00	27.00      Bottom Of Top Packer
Packer	4.00			4210.00	
Stubb	1.00			4211.00	
Recorder	0.00	8353	Inside	4211.00	
Recorder	0.00	6772	Outside	4211.00	
Perforations	21.00			4232.00	
Bullnose	5.00			4237.00	27.00      Bottom Packers & Anchor

**Total Tool Length:    54.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29758      **DST#: 4**  
Test Start: 2007.11.30 @ 06:02:19

**Mud and Cushion Information**

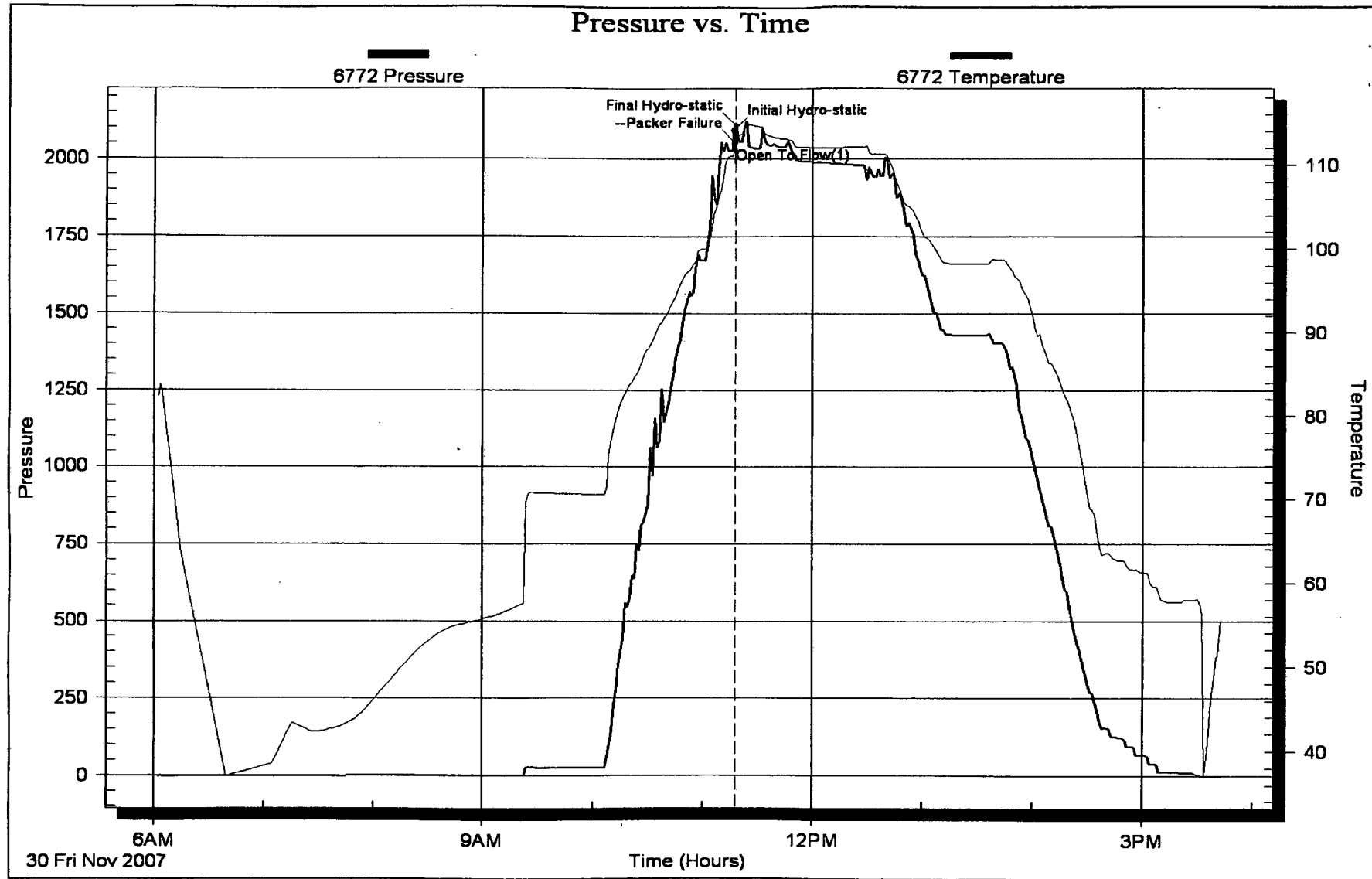
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.37 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 1.00 inches			

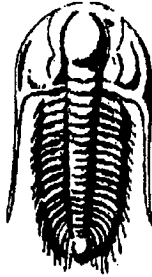
**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
316.00	M	2.374

Total Length: 316.00 ft      Total Volume: 2.374 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47  
Great Bend KS 67530

ATTN: Rich O Donall

**1 19 30 Lane KS**

**Louise #1**

Start Date: 2007.12.01 @ 09:05:55

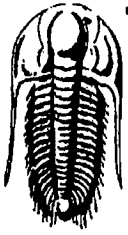
End Date: 2007.12.01 @ 18:39:20

Job Ticket #: 29759                      DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

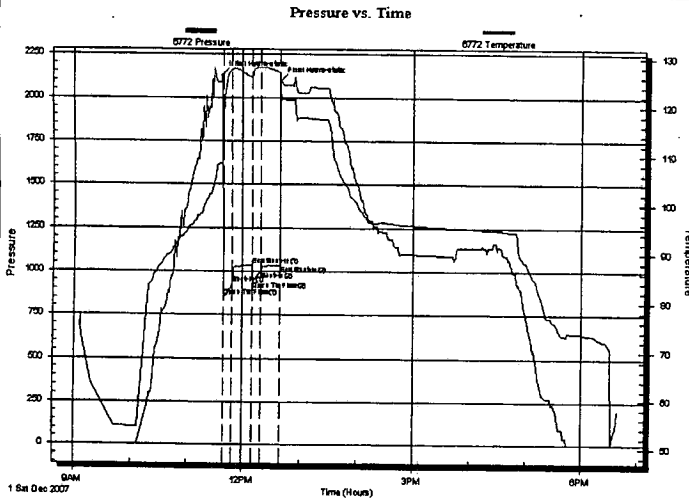
**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29759      **DST#: 5**  
Test Start: 2007.12.01 @ 09:05:55

## GENERAL INFORMATION:

Formation: **Lansing L**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 11:40:05  
Time Test Ended: 18:39:20  
Interval: **4274.00 ft (KB) To 4310.00 ft (KB) (TVD)**  
Total Depth: 4310.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good  
Test Type: Conventional Bottom Hole  
Tester: Brandon Turley  
Unit No: 35  
Reference Elevations: 2857.00 ft (KB)  
2852.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6772      Outside**  
Press@RunDepth: 999.42 psig @ 4275.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2007.12.01      End Date: 2007.12.01      Last Calib.: 2007.12.01  
Start Time: 09:05:55      End Time: 18:39:20      Time On Btm: 2007.12.01 @ 11:37:35  
Time Off Btm: 2007.12.01 @ 12:39:35

TEST COMMENT: IF BOB in 30 sec.  
IS BOB in 10 min.  
FF BOB in 20 sec.  
FS BOB in 12 min.



## PRESSURE SUMMARY

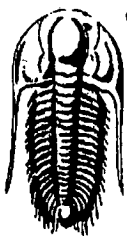
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2128.16	108.39	Initial Hydro-static
3	852.85	117.39	Open To Flow (1)
12	924.96	127.61	Shut-In(1)
32	1033.93	125.96	End Shut-In(1)
33	944.98	125.55	Open To Flow (2)
42	999.42	128.03	Shut-In(2)
62	1033.39	126.94	End Shut-In(2)
62	2093.14	123.67	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCOG 20%G 50%O 30%M	0.59
2533.00	GO 10%G 90%O	34.57

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29759      **DST#: 5**  
Test Start: 2007.12.01 @ 09:05:55

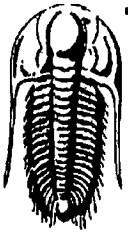
**Tool Information**

Drill Pipe:	Length: 4045.00 ft	Diameter: 3.80 inches	Volume: 56.74 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 226.00 ft	Diameter: 2.25 inches	Volume: 1.11 bbl	Weight to Pull Loose: 90000.00 lb
		<b>Total Volume:</b>	<b>57.85 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4274.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4248.00	
Shut In Tool	5.00			4253.00	
Hydraulic tool	5.00			4258.00	
Jars	5.00			4263.00	
Safety Joint	2.00			4265.00	
Packer	5.00			4270.00	27.00      Bottom Of Top Packer
Packer	4.00			4274.00	
Stubb	1.00			4275.00	
Recorder	0.00	8353	Inside	4275.00	
Recorder	0.00	6772	Outside	4275.00	
Perforations	30.00			4305.00	
Bullnose	5.00			4310.00	36.00      Bottom Packers & Anchor

**Total Tool Length: 63.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Carmen Schmitt Inc  
PO Box 47  
Great Bend KS 67530  
ATTN: Rich O Donall

**Louise #1**  
**1 19 30 Lane KS**  
Job Ticket: 29759      **DST#: 5**  
Test Start: 2007.12.01 @ 09:05:55

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	29 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MCGO 20%G 50%O 30%M	0.590
2533.00	GO 10%G 90%O	34.566

Total Length: 2653.00 ft      Total Volume: 35.156 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

