

REMIT TO  
 RR 1 BOX 90 D  
 HOXIE, KS 67740

**SCHIPPERS OIL FIELD SERVICE L.L.C.**

NO 000621

DATE	SEC.	RANGE/TWP.	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
					COUNTY	STATE
LEASE			WELL#			

CONTRACTOR	OWNER			
TYPE OF JOB				
HOLE SIZE	T.D.	CEMENT		
CASING SIZE	DEPTH	AMOUNT ORDERED		
TUBING SIZE	DEPTH			
DRILL PIPE	DEPTH			
TOOL	DEPTH			
PRES. MAX	MINIMUM	COMMON		
DISPLACEMENT	SHOE JOINT	POZMIX		
CEMENT LEFT IN CSG.		GEL		
PERFS		CHLORIDE		
		ASC		
EQUIPMENT				
PUMP TRUCK				
#				
BULK TRUCK				
#				
BULK TRUCK				
#				
		HANDLING		
		MILEAGE		
				TOTAL

REMARKS	SERVICE		
	DEPT OF JOB		
	PUMP TRUCK CHARGE		
	EXTRA FOOTAGE		
	MILEAGE		
	MANIFOLD		
			TOTAL

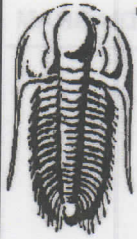
CHARGES TO:	
STREET	STATE
CITY	ZIP

To: Schippers Oil Field Services L.L.C.  
 You are hereby requested to rent cementing equipment and furnish staff to assist owner 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 and understand the "TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
	TOTAL
TAX	
TOTAL CHARGE	
DISCOUNT (IF PAID IN 20 DAYS)	

SIGNATURE

PRINTED NAME



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

Dan Haffner

**8-9s-27w Sheridan, KS**

RR 2 Boxx 49  
Hoxie KS 67740-9524

**Niermeier #1-8**

Job Ticket: 63517

**DST#: 1**

ATTN: Dan Haffner, Bruce A

Test Start: 2018.03.06 @ 06:00:42

## GENERAL INFORMATION:

Formation: **Toronto - LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:26:22

Time Test Ended: 20:55:52

Interval: **3800.00 ft (KB) To 3854.00 ft (KB) (TVD)**

Total Depth: 3854.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Ray Schwager

Unit No: 77

Reference Elevations: 2704.00 ft (KB)

2697.00 ft (CF)

KB to GR/CF: 7.00 ft

**Serial #: 8673**

**Outside**

Press@RunDepth: psig @ 3802.00 ft (KB)

Start Date: 2018.03.06 End Date: 2018.03.06

Start Time: 06:00:22 End Time: 20:55:32

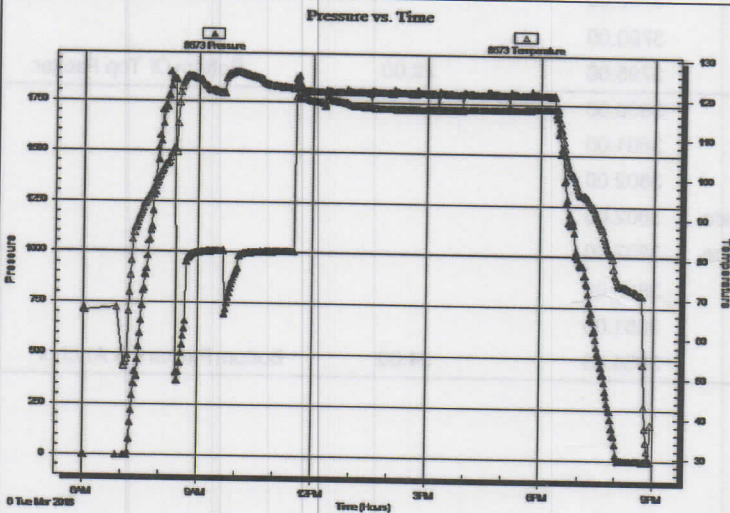
Capacity: 8000.00 psig

Last Calib.: 2018.03.06

Time On Btm:

Time Off Btm:

TEST COMMENT: 15-IFP-BOB in 30 sec  
60-ISIP-surface blow back  
15-FFP-BOB in 1 min 30 sec  
90--FSIP-surface blow back



## PRESSURE SUMMARY

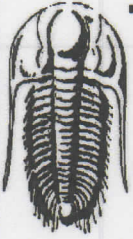
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
350.00	Muddy water 35%M65%W	3.82
1650.00	Water	23.15

## Gas Rates

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Dan Haffner  
 RR 2 Boxx 49  
 Hoxie KS 67740-9524  
 ATTN: Dan Haffner, Bruce A

**8-9s-27w Sheridan,KS**  
**Niermeier #1-8**  
 Job Ticket: 63518      **DST#: 2**  
 Test Start: 2018.03.07 @ 06:26:00

## GENERAL INFORMATION:

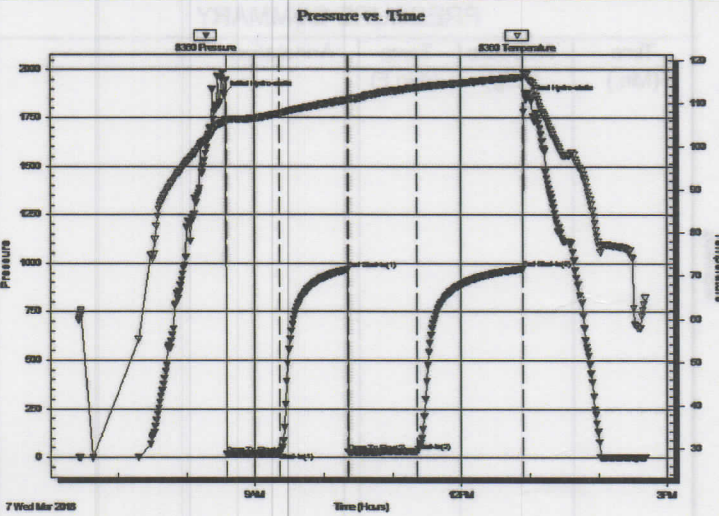
Formation: **LKC "D"**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 08:35:25  
 Time Test Ended: 14:40:39  
 Interval: **3864.00 ft (KB) To 3890.00 ft (KB) (TVD)**  
 Total Depth: 3890.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Ray Schwager  
 Unit No: 77  
 Reference Elevations: 2704.00 ft (KB)  
 2697.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 8360

Inside

Press@RunDepth: 33.26 psig @ 3866.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2018.03.07      End Date: 2018.03.07      Last Calib.: 2018.03.07  
 Start Time: 06:26:00      End Time: 14:40:39      Time On Btm: 2018.03.07 @ 08:33:25  
 Time Off Btm: 2018.03.07 @ 12:56:54

TEST COMMENT: 45-IFP-weak blow thru-out 1/2" to 1 3/4" blow  
 60-ISIP-no blow back  
 60-FFP-surface blow thru-out  
 90-FSIP-no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1871.00	105.55	Initial Hydro-static
2	16.10	105.55	Open To Flow (1)
49	24.46	107.52	Shut-In(1)
108	966.66	110.78	End Shut-In(1)
108	27.27	110.51	Open To Flow (2)
168	33.26	113.64	Shut-In(2)
261	971.30	116.15	End Shut-In(2)
264	1848.71	116.86	Final Hydro-static

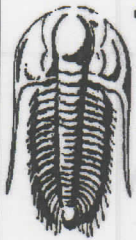
## Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mud w/show of oil in tool	0.20

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Dan Haffner  
RR 2 Boxx 49  
Hoxie KS 67740-9524  
ATTN: Dan Haffner, Bruce A

**8-9s-27w Sheridan,KS**  
**Niermeier #1-8**  
Job Ticket: 63520      **DST#: 4**  
Test Start: 2018.03.10 @ 11:30:46

## GENERAL INFORMATION:

Formation: **LKC "K"**  
Deviated: No Whipstock:      ft (KB)  
Time Tool Opened: 13:00:11  
Time Test Ended: 17:54:25  
**Interval: 3980.00 ft (KB) To 4042.00 ft (KB) (TVD)**  
Total Depth: 4439.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Straddle (Reset)  
Tester: Ray Schwager  
Unit No: 77  
Reference Elevations: 2704.00 ft (KB)  
2697.00 ft (CF)  
KB to GR/CF: 7.00 ft

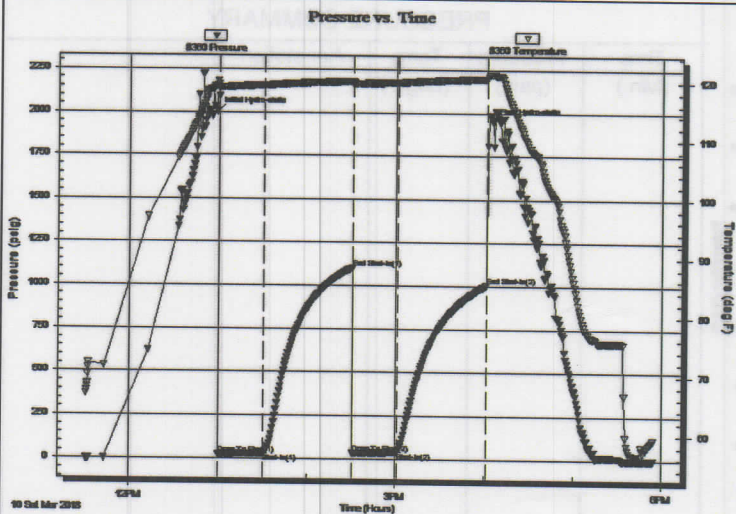
## Serial #: 8360

Inside

Press@RunDepth: 42.20 psig @ 3990.00 ft (KB)  
Start Date: 2018.03.10      End Date: 2018.03.10  
Start Time: 11:30:46      End Time: 17:54:25

Capacity: 8000.00 psig  
Last Calib.: 2018.03.10  
Time On Btm: 2018.03.10 @ 12:58:26  
Time Off Btm: 2018.03.10 @ 16:04:55

TEST COMMENT: 30-IFP-weak blow thru-out 1/4" to 1" blow  
60-ISIP-no blow  
30-FFP-no blow  
60-FSIP-no blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2003.02	119.21	Initial Hydro-static
2	24.42	118.75	Open To Flow (1)
33	32.75	119.30	Shut-In(1)
92	1100.15	120.00	End Shut-In(1)
93	35.49	119.53	Open To Flow (2)
123	42.20	119.81	Shut-In(2)
183	1004.70	120.54	End Shut-In(2)
187	1950.35	121.19	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud	0.05

\* Recovery from multiple tests

## Gas Rates

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

Schippers Oilfield Services LLC

1255 E HWY 24  
Hoxie, KS 67740

Phone # 785-675-8974  
Fax # 785-675-9938

sosllc@ruraltel.net

# Invoice

Date 3/7/2018  
Invoice # 621

Bill To
Dan Haffner RR 2 Hoxie KS 67740

Ship To

P.O. # NEIERMEIER 1-8  
Terms Net 30

Ship Date 3/7/2018  
Due Date 4/6/2018  
Other

Item	Description	Qty	Price	Amount
Cement	Common	180	18.00	3,240.00
Gel			22.00	22.00
chloride	calcium chloride	10	52.00	520.00
Handling of mater...	per sack	193	2.10	405.30
Mileage and labor		12	15.44	185.28
PUMP TRUCK CHA...	TRI-PLEX PUMP CHARGE		1,050.00	1,050.00
PUMP TRUCK MILE...	TO AND FROM LOCATION	12	6.00	72.00

*20% discount if paid in 20 days*

<b>Subtotal</b>	\$5,494.58
<b>Sales Tax (8.5%)</b>	\$321.47
<b>Total</b>	\$5,816.05
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$5,816.05

Schippers Oilfield Services LLC

Well Name: Niermeier 1-8  
 Surface Location: Sec. 08 - T09S - R27 W  
 Bottom Location:  
 API: 15-179-21443-00-00  
 License Number: 32593  
 Spud Date: 3/2/2018 Time: 7:00 AM  
 Region: Mid Continent  
 Drilling Completed: 3/10/2018 Time: 1:00 AM  
 Surface Coordinates: 1815' FSL & 575' FWL  
 Bottom Hole Coordinates:  
 Ground Elevation: 2697.00ft  
 K.B. Elevation: 2704.00ft  
 Logged Interval: 3400.00ft To: 0.00ft  
 Total Depth: 4439.00ft  
 Formation: Lansing-Kansas City  
 Drilling Fluid Type: Chemical/Fresh Water Gel

LOGGED BY

**Ard Consulting Services**  
**Bruce B. Ard**

6000 10th Street  
 Great Bend, KS 67530

Company: A.C.S. - Ard Consulting Services  
 Address: 6000 10th Street  
 Great Bend, KS  
 67530  
 Phone Nbr: 620-357-1849  
 Logged By: Geologist

Name: Bruce B. Ard - KPG # 220

OPERATOR

Company: Dan Haffner  
 Address: RR # 2 P.O.Box 49  
 Hoxie, Ks  
 67740  
 Contact Geologist: Bruce B. Ard  
 Contact Phone Nbr: 620-357-1849  
 Well Name: Niermeier 1-8  
 Location: Sec. 08 - T09S - R27 W  
 API: 15-179-21443-00-00  
 Pool: Sheridan County  
 State: Kansas  
 Field: Wildcatt  
 Country: USA

CONTRACTOR

Contractor: STP Drilling Company  
 Rig #: 1  
 Rig Type: mud rotary  
 Spud Date: 3/2/2018 Time: 7:00 AM  
 TD Date: 3/10/2018 Time: 1:00 AM  
 Rig Release: Time:

ELEVATIONS

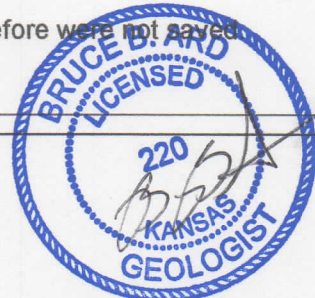
K.B. Elevation: 2704.00ft Ground Elevation: 2697.00ft  
 K.B. to Ground: 7.00ft

NOTES

After review of the Open Hole Logs, DST results and Geological Report, it was recommended and agreed upon by all interested parties to cease drilling of the Niermeier 1-8 test well to abandon as a dry hole.

The drilling samples were not requested by the Kansas Geological Survey and therefore were not saved.

Respectfully Submitted, Bruce B. Ard - KPG # 220



**Dan Haffner**  
 DAILY DRILLING REPORT

DATE	7:00 AM DEPTH	Last 24 Hour Operations
3/5/2018	3427	call depth @ 3200, displaced @ 3269, drilling ahead, Howard @ 3538, Topeka @ 3590, Heebner @ 3803, Toronto @ 3821, cfs @ 3833, Lansing @ 3832, cfs @ 3854, samples warrant test
3/6/2018	3854	short trip 35 stands, CTCH, drop survey, strap out for DST #1, make up tool, TIH w/tool, testing wait 6.5 hrs on wind, TOH w/tool, break down tool, TIH, CTCH
3/7/2018	3890	resume drilling, C zone @ 3871, cfs @ 3866, D zone @ 3883, cfs @ 3890, samples warrant test, TOH for DST #2, make up tool, TIH w/tool, testing, TOH w/tool, break down tool, TIH, CTCH, resume drilling, E/F zone @ 3905, cfs @ 3910, G zone @ 3923, Muncie Creek @ 3954, H zone @ 3956, cfs @ 3973
3/8/2018	4042	I zone @ 3996, cfs @ 3996, J zone @ 4014, cfs @ 4012, K zone @ 4034, cfs @ 4042, snls warrant