

5-065-23145

Carmen Schmitt, Inc.

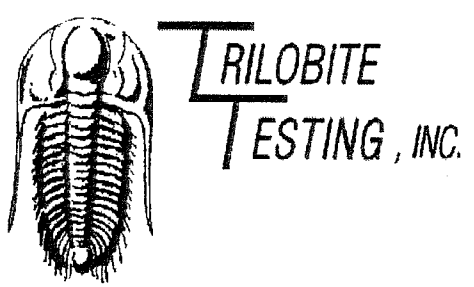
Geyer #1

34-10s-24w

DST # 1

Toronto

2006.02.21



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

34-10s-24w

Geyer #1

Start Date: 2006.02.21 @ 20:50:11

End Date: 2006.02.22 @ 02:12:11

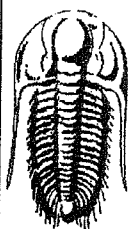
Job Ticket #: 23526 DST #: 1

15-065-23145-00-00

E2 NE SE
1980 FSL 330 FEL

RECEIVED
MAR 28 2006
KCC WICHITA

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: Jacob Porter

Geyer #1

34-10s-24w

Job Ticket: 23526

DST#: 1

Test Start: 2006.02.21 @ 20:50:11

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 23:10:56

Time Test Ended: 02:12:11

Test Type: **Conventional Bottom Hole**

Tester: **Michael Armbrister**

Unit No: **1**

Interval: **3676.00 ft (KB) To 3712.00 ft (KB) (TVD)**

Total Depth: **3712.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2367.00 ft (KB)**

2362.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8166

Inside

Press@RunDepth: **17.94 psig @ 3677.00 ft (KB)**

Start Date: **2006.02.21**

End Date:

2006.02.22

Start Time: **20:50:12**

End Time:

02:12:11

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

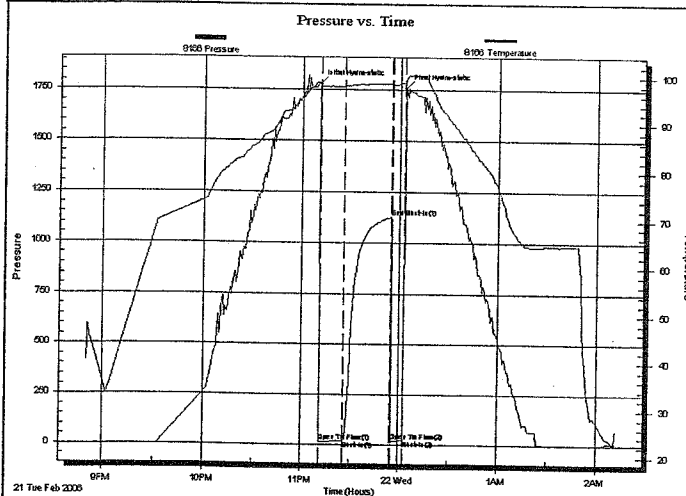
Time On Btm: **2006.02.21 @ 23:10:26**

Time Off Btm: **2006.02.22 @ 00:03:26**

TEST COMMENT: **IF- weak surface blow**

IS- No blow

FF- No blow



PRESSURE SUMMARY

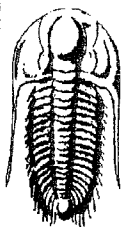
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.59	98.55	Initial Hydro-static
1	13.95	98.02	Open To Flow (1)
16	17.94	98.04	Shut-In(1)
45	1126.68	98.61	End Shut-In(1)
46	19.05	98.35	Open To Flow (2)
53	21.26	98.76	Shut-In(2)
53	1760.72	99.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Drilling mud	0.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Geyer #1
34-10s-24w
Job Ticket: 23526 **DST#: 1**
Test Start: 2006.02.21 @ 20:50:11

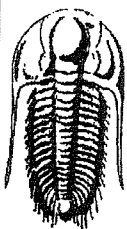
Tool Information

Drill Pipe:	Length: 3487.00 ft	Diameter: 3.80 inches	Volume: 48.91 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	40000.00 lb
			Total Volume: 49.82 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	31000.00 lb
Depth to Top Packer:	3676.00 ft			Final	31000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	36.00 ft				
Tool Length:	56.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3661.00	
Hydraulic tool	5.00			3666.00	
Packer	5.00			3671.00	20.00 Bottom Of Top Packer
Packer	5.00			3676.00	
Stubb	1.00			3677.00	
Recorder	0.00	8166	Inside	3677.00	
Perforations	32.00			3709.00	
Recorder	0.00	11020	Inside	3709.00	
Bullnose	3.00			3712.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

Geyer #1

PO Box 47
Great Bend KS 67530

34-10s-24w

Job Ticket: 23526

DST#: 1

ATTN: Jacob Porter

Test Start: 2006.02.21 @ 20:50:11

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Drilling mud	0.010

Total Length:

2.00 ft

Total Volume:

0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

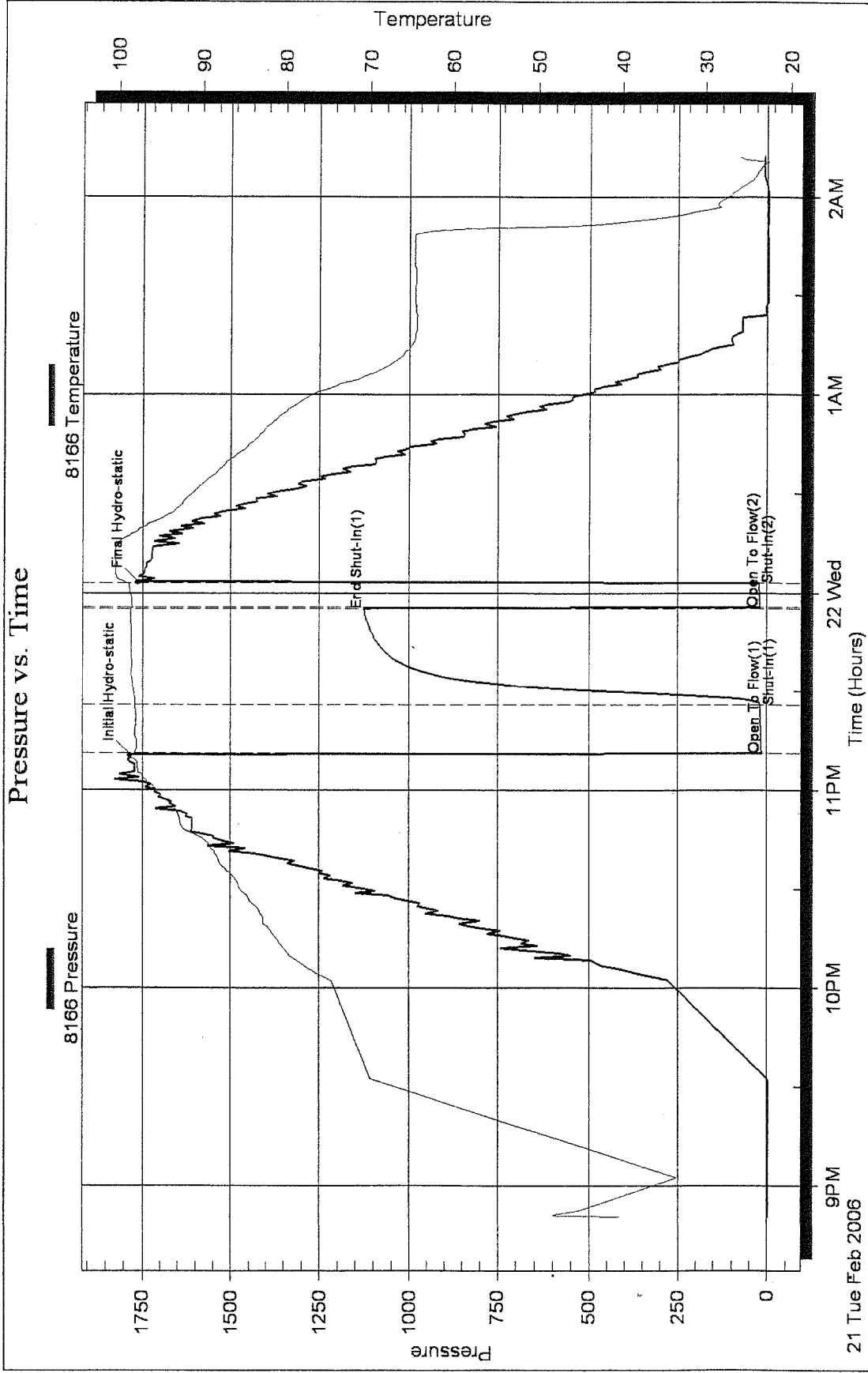
Serial #:

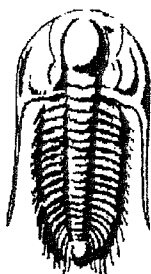
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

34-10s-24w

Geyer #1

Start Date: 2006.02.22 @ 14:15:34

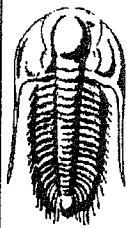
End Date: 2006.02.22 @ 22:12:19

Job Ticket #: 23627 DST #: 2

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: Jacob Porter

Geyer #1

34-10s-24w

Job Ticket: 23627

DST#: 2

Test Start: 2006.02.22 @ 14:15:34

GENERAL INFORMATION:

Formation: **Lans BC**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 16:10:04

Time Test Ended: 22:12:19

Test Type: **Conventional Bottom Hole**

Tester: **Michael Armbrister**

Unit No: **1**

Interval: **3736.00 ft (KB) To 3786.00 ft (KB) (TVD)**

Total Depth: **3786.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2367.00 ft (KB)**

2362.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8166

Inside

Press@RunDepth: **102.02 psig @ 3773.00 ft (KB)**

Start Date: **2006.02.22**

End Date:

2006.02.22

Start Time: **14:15:35**

End Time:

22:12:19

Capacity: **7000.00 psig**

Last Calib.: **2006.02.22**

Time On Btm: **2006.02.22 @ 16:09:49**

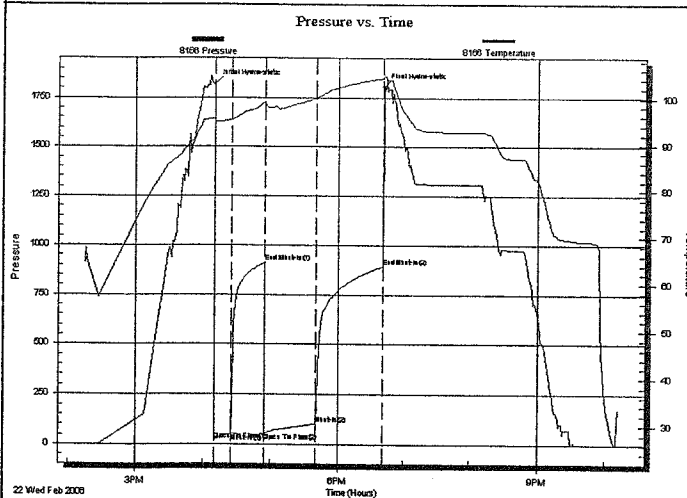
Time Off Btm: **2006.02.22 @ 18:41:19**

TEST COMMENT: IF- Slow building blow to 2"

IS- No blow

FF- Weak surface blow

FS- No Blow



PRESSURE SUMMARY

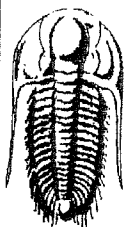
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1820.31	95.74	Initial Hydro-static
1	19.91	95.20	Open To Flow (1)
15	51.10	95.42	Shut-In(1)
45	911.41	99.25	End Shut-In(1)
45	55.41	98.87	Open To Flow (2)
90	102.02	100.03	Shut-In(2)
151	892.80	104.43	End Shut-In(2)
152	1806.45	104.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	Slightly Oil cut Mud	0.74

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

Geyer #1

PO Box 47
Great Bend KS 67530

34-10s-24w

Job Ticket: 23627

DST#: 2

ATTN: Jacob Porter

Test Start: 2006.02.22 @ 14:15:34

Tool Information

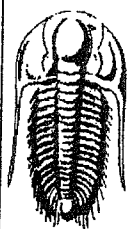
Drill Pipe:	Length: 3548.00 ft	Diameter: 3.80 inches	Volume: 49.77 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	31000.00 lb
		Total Volume:	50.68 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial	31000.00 lb
Depth to Top Packer:	3736.00 ft			Final	31000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	50.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3721.00	
Hydraulic tool	5.00			3726.00	
Packer	5.00			3731.00	20.00 Bottom Of Top Packer
Packer	5.00			3736.00	
Stubb	1.00			3737.00	
Perforations	3.00			3740.00	
Change Over Sub	1.00			3741.00	
Drill Pipe	31.00			3772.00	
Change Over Sub	1.00			3773.00	
Recorder	0.00	8166	Inside	3773.00	
Perforations	10.00			3783.00	
Recorder	0.00	11020	Inside	3783.00	
Bullnose	3.00			3786.00	50.00 Bottom Packers & Anchor

Total Tool Length: 70.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

Geyer #1

PO Box 47
Great Bend KS 67530

34-10s-24w

Job Ticket: 23627

DST#: 2

ATTN: Jacob Porter

Test Start: 2006.02.22 @ 14:15:34

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 6.09 in³

Resistivity: ohm.m

Salinity: 1200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	Slightly Oil cut Mud	0.738

Total Length: 150.00 ft

Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

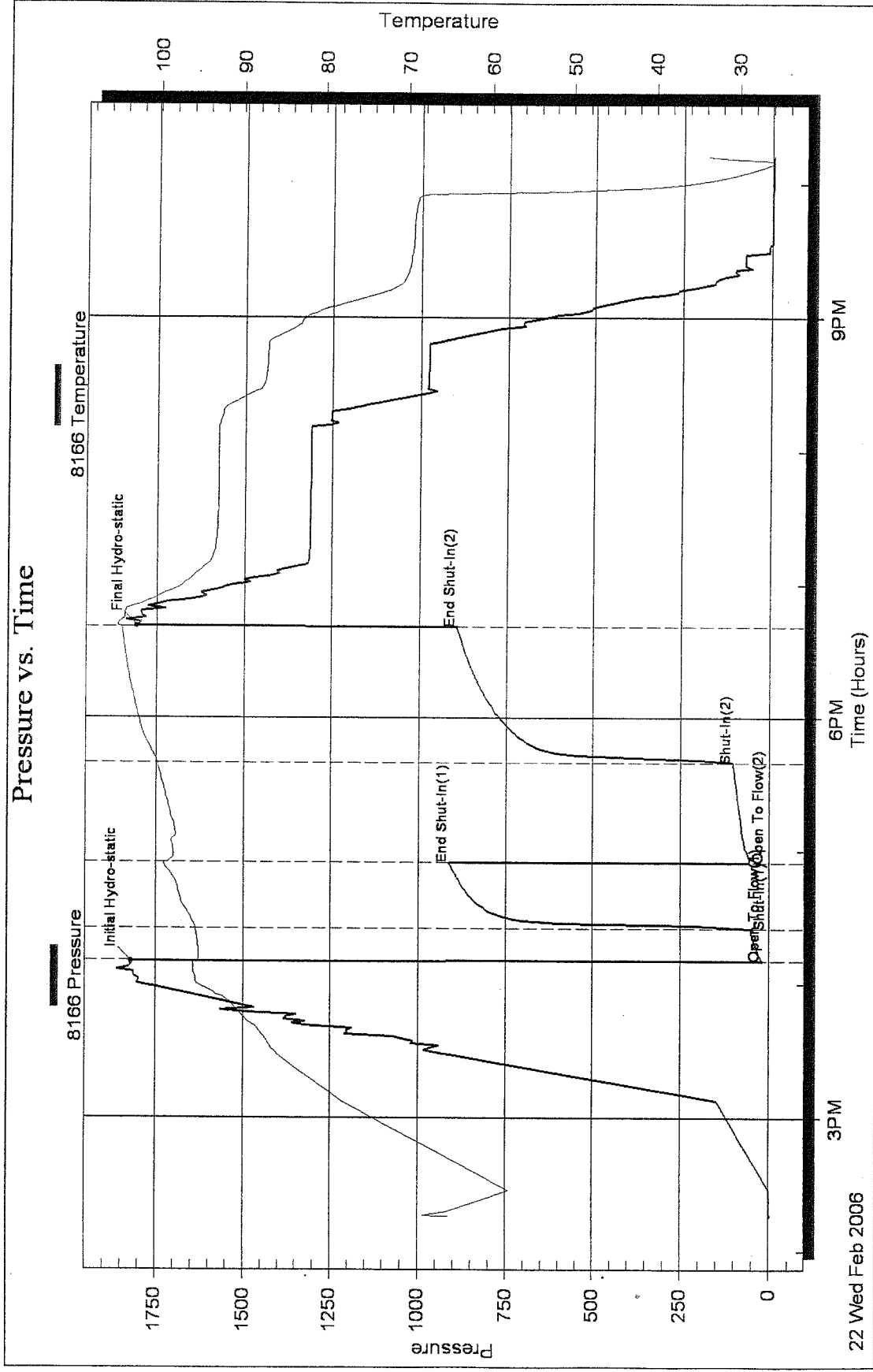
Serial #: 8166

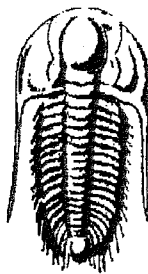
Inside

Carmen Schmitt, Inc.

34-10s-24w

DST Test Number: 2





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

34-10s-24w

Geyer #1

Start Date: 2006.02.23 @ 14:15:38

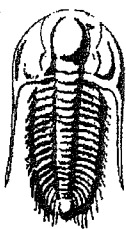
End Date: 2006.02.23 @ 20:29:38

Job Ticket #: 23628 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

Carmen Schmitt, Inc.
PO Box 47
Great Bend KS 67530
ATTN: Jacob Porter

Geyer #1

34-10s-24w

Job Ticket: 23628

DST#: 3

Test Start: 2006.02.23 @ 14:15:38

GENERAL INFORMATION:

Formation: **LKC- H-I**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 15:52:08

Time Test Ended: 20:29:38

Test Type: **Conventional Bottom Hole**

Tester: **Michael Armbrister**

Unit No: **1**

Interval: **3832.00 ft (KB) To 3890.00 ft (KB) (TVD)**

Total Depth: **3890.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2367.00 ft (KB)**

2362.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8166

Inside

Press@RunDepth: **87.01 psig @ 3871.00 ft (KB)**

Start Date: **2006.02.23**

End Date:

2006.02.23

Start Time: **14:15:39**

End Time:

20:29:38

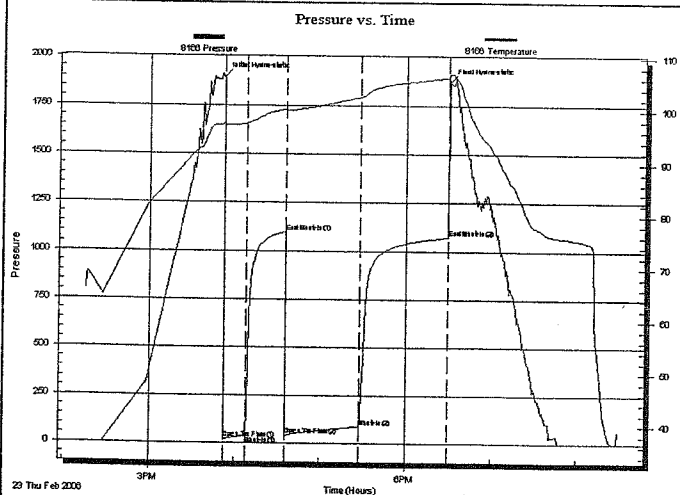
Capacity: **7000.00 psig**

Last Calib.: **2006.02.23**

Time On Btm: **2006.02.23 @ 15:51:38**

Time Off Btm: **2006.02.23 @ 18:30:23**

TEST COMMENT: IF- Slow building 2" Blow
IS- No blow
FF- Weak surface blow
FS- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1895.49	97.66	Initial Hydro-static
1	18.23	96.66	Open To Flow (1)
16	36.92	97.45	Shut-In(1)
44	1098.84	100.19	End Shut-In(1)
44	39.40	99.74	Open To Flow (2)
96	87.01	102.48	Shut-In(2)
159	1073.36	106.23	End Shut-In(2)
159	1872.87	106.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Drilling mud	0.64

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

Geyer #1

PO Box 47
Great Bend KS 67530

34-10s-24w

Job Ticket: 23628

DST#: 3

ATTN: Jacob Porter

Test Start: 2006.02.23 @ 14:15:38

Tool Information

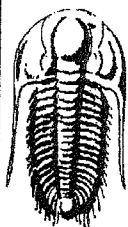
Drill Pipe:	Length: 3646.00 ft	Diameter: 3.80 inches	Volume: 51.14 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 40000.00 lb
		Total Volume: 52.05 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3832.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	78.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3817.00	
Hydraulic tool	5.00			3822.00	
Packer	5.00			3827.00	20.00 Bottom Of Top Packer
Packer	5.00			3832.00	
Stubb	1.00			3833.00	
Perforations	5.00			3838.00	
Change Over Sub	1.00			3839.00	
Drill Pipe	31.00			3870.00	
Change Over Sub	1.00			3871.00	
Recorder	0.00	8166	Inside	3871.00	
Perforations	16.00			3887.00	
Recorder	0.00	11020	Inside	3887.00	
Bullnose	3.00			3890.00	58.00 Bottom Packers & Anchor

Total Tool Length: 78.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

Geyer #1

PO Box 47
Great Bend KS 67530

34-10s-24w

Job Ticket: 23628

DST#: 3

ATTN: Jacob Porter

Test Start: 2006.02.23 @ 14:15:38

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Drilling mud	0.639

Total Length: 130.00 ft

Total Volume: 0.639 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

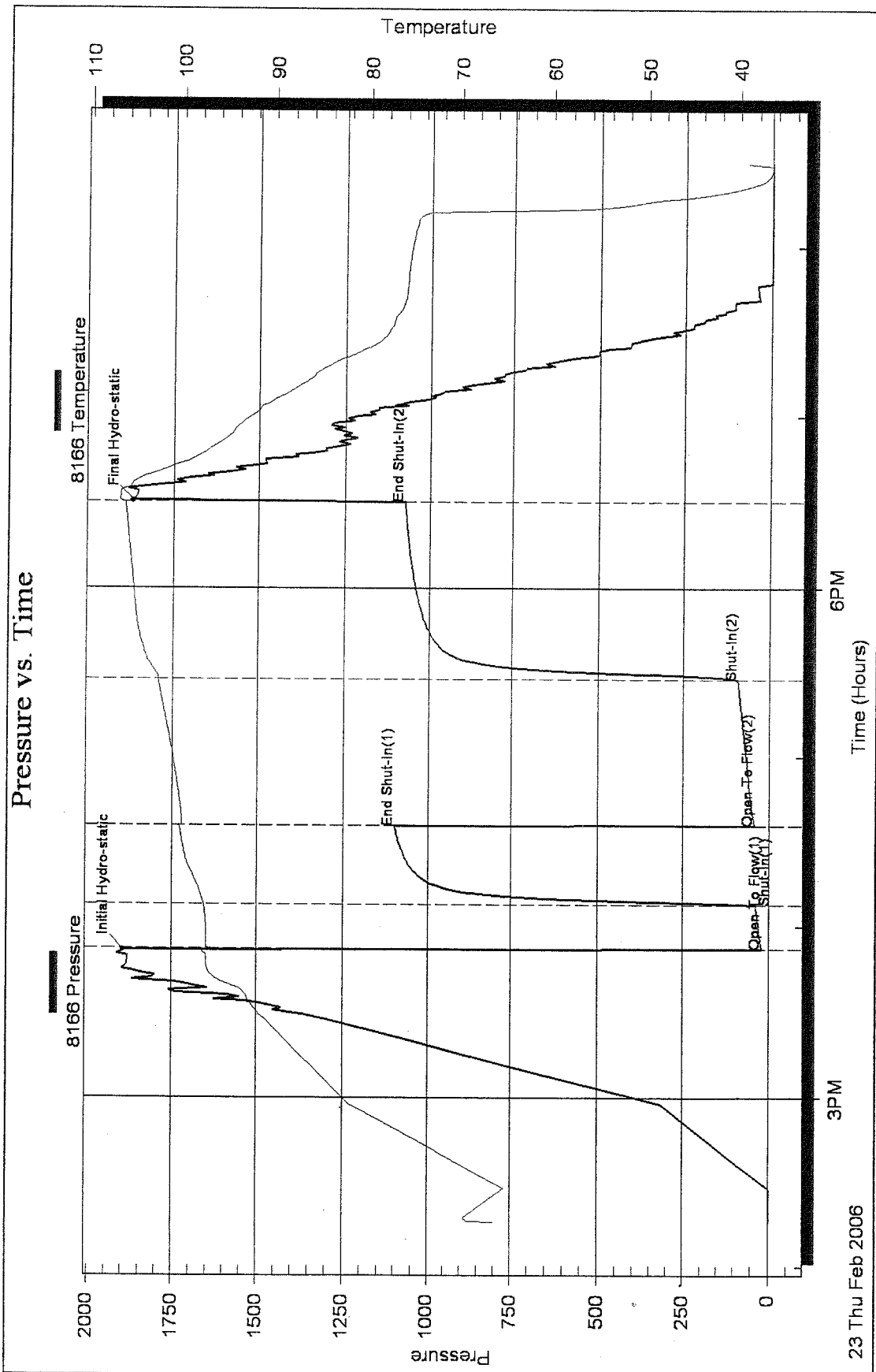
Serial #:

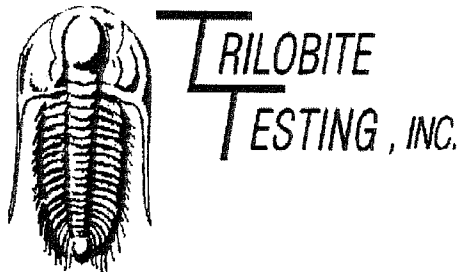
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

34-10s-24w

Geyer #1

Start Date: 2006.02.24 @ 06:44:32

End Date: 2006.02.24 @ 11:54:17

Job Ticket #: 24622 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: Jacob Porter

Geyer #1

34-10s-24w

Job Ticket: 24622

DST#: 4

Test Start: 2006.02.24 @ 06:44:32

GENERAL INFORMATION:

Formation: L,Kc "I-K"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:54:17

Time Test Ended: 11:54:17

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 1

Interval: 3864.00 ft (KB) To 3935.00 ft (KB) (TVD)

Total Depth: 3712.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2367.00 ft (KB)

2362.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8166

Inside

Press@RunDepth: 18.90 psig @ 3870.00 ft (KB)

Start Date: 2006.02.24

End Date:

2006.02.24

Start Time: 06:44:33

End Time:

11:54:17

Capacity: 7000.00 psig

Last Calib.: 2006.02.24

Time On Btm: 2006.02.24 @ 08:54:02

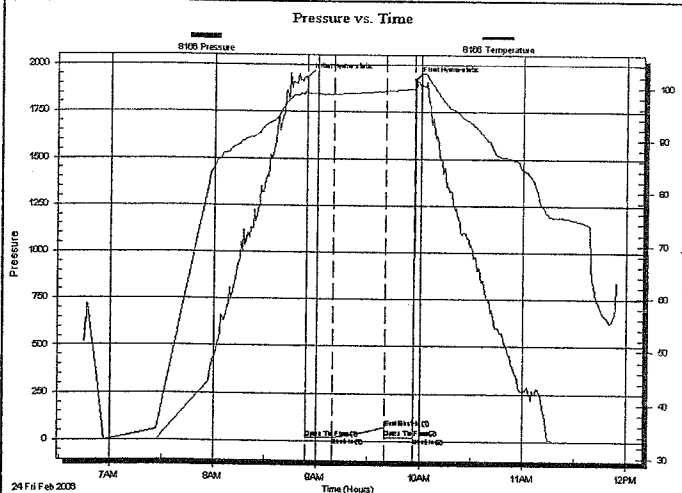
Time Off Btm: 2006.02.24 @ 09:56:17

TEST COMMENT: IF-0.5" but died

IS-No Blow

FF-No Blow

FSI-Pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1933.50	99.37	Initial Hydro-static
1	17.63	98.82	Open To Flow (1)
16	18.90	98.70	Shut-In(1)
46	70.96	99.31	End Shut-In(1)
46	19.57	99.30	Open To Flow (2)
62	20.33	99.79	Shut-In(2)
63	1919.78	100.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Drilling mud	0.01

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

Geyer #1

PO Box 47
Great Bend KS 67530

34-10s-24w

Job Ticket: 24622

DST#: 4

ATTN: Jacob Porter

Test Start: 2006.02.24 @ 06:44:32

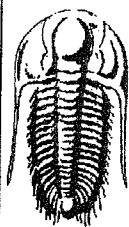
Tool Information

Drill Pipe:	Length: 3670.00 ft	Diameter: 3.80 inches	Volume: 51.48 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	52.39 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3864.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	71.00 ft				
Tool Length:	98.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3842.00	
Hydraulic tool	5.00			3847.00	
Jars	5.00			3852.00	
Safety Joint	2.00			3854.00	
Packer	5.00			3859.00	27.00 Bottom Of Top Packer
Packer	5.00			3864.00	
Stubb	1.00			3865.00	
Perforations	4.00			3869.00	
Change Over Sub	1.00			3870.00	
Recorder	0.00	8166	Inside	3870.00	
Blank Spacing	31.00			3901.00	
Change Over Sub	1.00			3902.00	
Inside	30.00			3932.00	
Recorder	0.00	11020	Inside	3932.00	
Bullnose	3.00			3935.00	71.00 Bottom Packers & Anchor

Total Tool Length: 98.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

Geyer #1

PO Box 47
Great Bend KS 67530

34-10s-24w

Job Ticket: 24622

DST#: 4

ATTN: Jacob Porter

Test Start: 2006.02.24 @ 06:44:32

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Drilling mud	0.015

Total Length: 3.00 ft

Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8166

Inside Carmen Schmitt, Inc.

34-10s-24w

DST Test Number: 4

