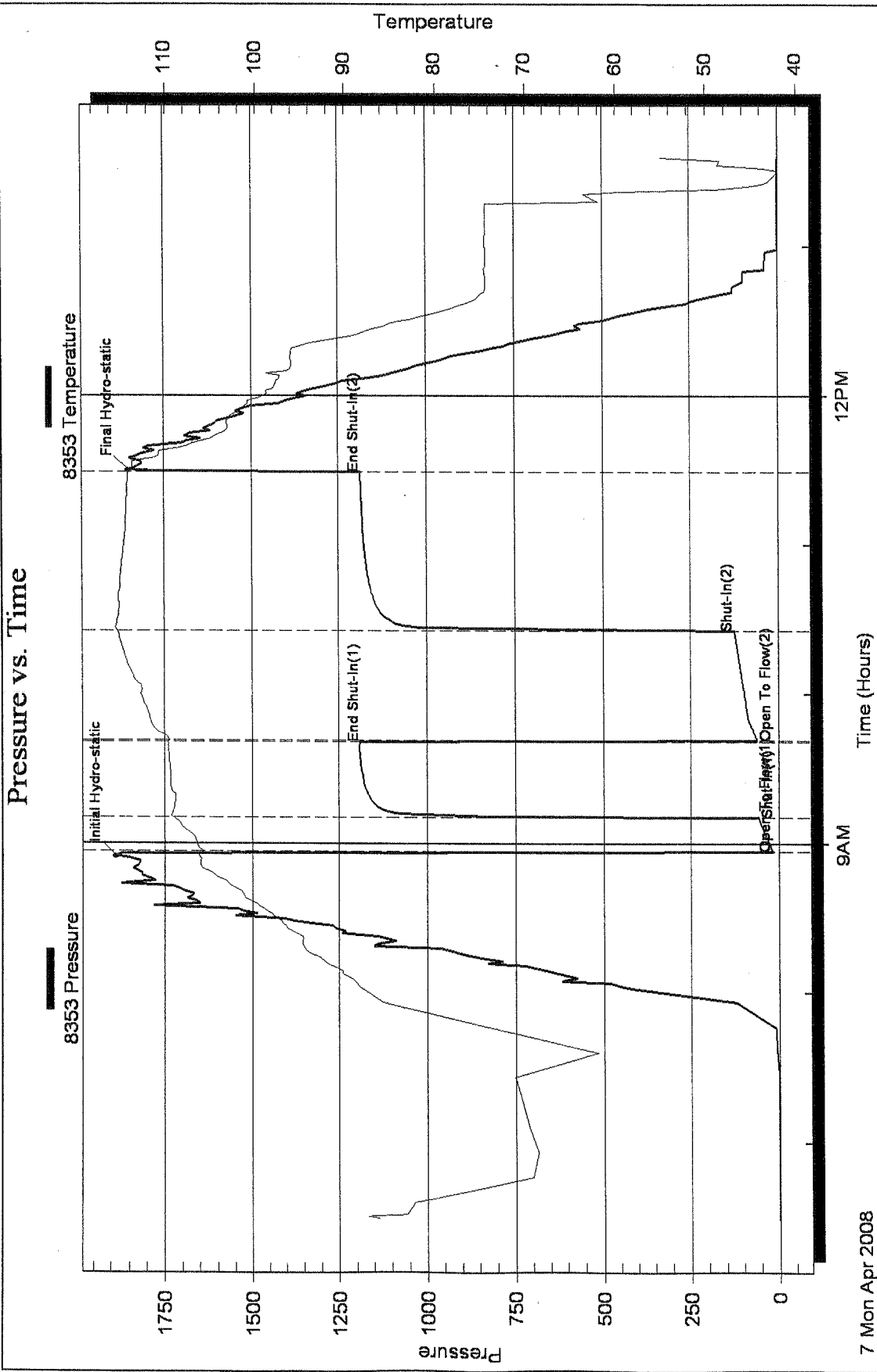
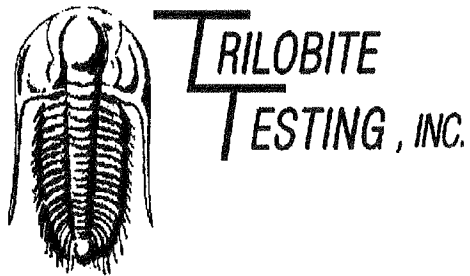


Carmen Schmitt
Riley 1

14-13S-34W
15-109-20807

This is all the RCC sent on dst (i)





DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt Inc**

PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

14 13S 34W Logan KS

Riley #1

Start Date: 2008.04.07 @ 21:19:20

End Date: 2008.04.08 @ 03:03:14

Job Ticket #: 29935 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Carmen Schmitt Inc

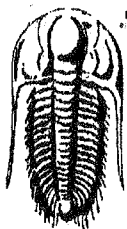
Riley #1

14 13S 34W Logan KS

DST # 2

Lans. C

2008.04.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt Inc

Riley #1

PO Box 47
Great Bend KS 67530

14 13S 34W Logan KS

Job Ticket: 29935 **DST#: 2**

ATTN: Jacob Porter

Test Start: 2008.04.07 @ 21:19:20

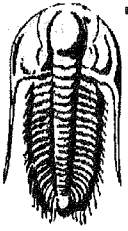
Tool Information

Drill Pipe:	Length: 3709.00 ft	Diameter: 3.80 inches	Volume: 52.03 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: 25000.00 lb
Drill Collar:	Length: 155.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 52.79 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3863.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3836.00	
Shut In Tool	5.00			3841.00	
Hydraulic tool	5.00			3846.00	
Jars	5.00			3851.00	
Safety Joint	3.00			3854.00	
Packer	5.00			3859.00	28.00 Bottom Of Top Packer
Packer	4.00			3863.00	
Stubb	1.00			3864.00	
Recorder	0.00	8353	Inside	3864.00	
Recorder	0.00	6741	Inside	3864.00	
Perforations	21.00			3885.00	
Bullnose	5.00			3890.00	27.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Riley #1
14 13S 34W Logan KS
Job Ticket: 29935 **DST#: 2**
Test Start: 2008.04.07 @ 21:19:20

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: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.53 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4100.00 ppm			
Filter Cake: 1.00 inches			

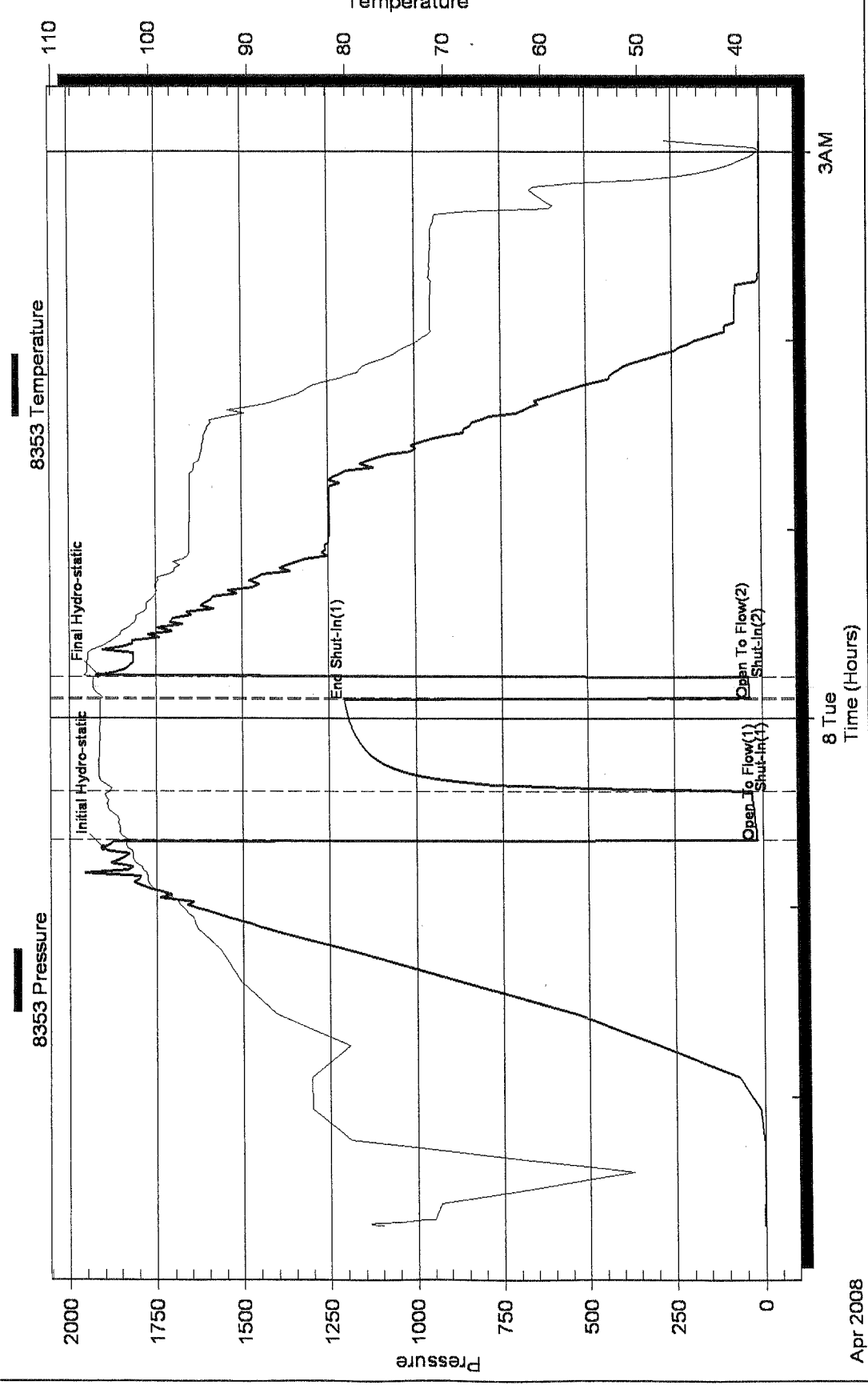
Recovery Information

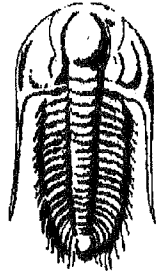
Recovery Table

Length ft	Description	Volume bbl
10.00	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:

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

14 13S 34W Logan KS

Riley #1

Start Date: 2008.04.08 @ 12:09:21

End Date: 2008.04.08 @ 18:52:45

Job Ticket #: 29936 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Carmen Schmitt Inc

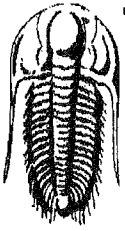
Riley #1

14 13S 34W Logan KS

DST # 3

Lans. E-F

2008.04.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

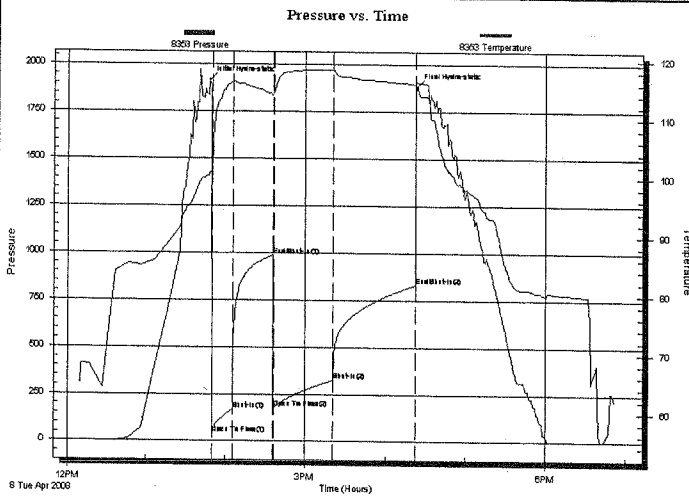
Riley #1
14 13S 34W Logan KS
Job Ticket: 29936 **DST#: 3**
Test Start: 2008.04.08 @ 12:09:21

GENERAL INFORMATION:

Formation: **Lans. E-F**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:50:16
Time Test Ended: 18:52:45
Interval: **3900.00 ft (KB) To 3925.00 ft (KB) (TVD)**
Total Depth: 3925.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 25
Reference Elevations: 2912.00 ft (KB)
2907.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8353 **Inside**
Press@RunDepth: 323.49 psig @ 3901.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.04.08 End Date: 2008.04.08 Last Calib.: 2008.04.08
Start Time: 12:09:21 End Time: 18:52:45 Time On Btm: 2008.04.08 @ 13:48:16
Time Off Btm: 2008.04.08 @ 16:22:46

TEST COMMENT: IF BOB in 5 mins.
IS Surface blow for 4 mins.
FF BOB in 8 mins.
FS No return



PRESSURE SUMMARY

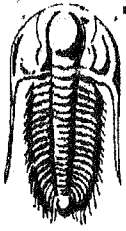
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1917.10	100.82	Initial Hydro-static
2	37.46	100.46	Open To Flow (1)
18	167.50	116.35	Shut-In(1)
48	987.28	114.21	End Shut-In(1)
48	176.46	114.25	Open To Flow (2)
93	323.49	118.38	Shut-In(2)
154	830.63	115.97	End Shut-In(2)
155	1883.74	116.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100%M	0.10
600.00	SMCW 95%W 5%M	7.19
30.00	WCM 40%W 60%M	0.42
0.00	GIP 0	0.00

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: Jacob Porter

Riley #1
14 13S 34W Logan KS
Job Ticket: 29936 **DST#: 3**
Test Start: 2008.04.08 @ 12:09:21

Tool Information

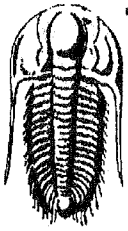
Drill Pipe:	Length: 3739.00 ft	Diameter: 3.80 inches	Volume: 52.45 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 155.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 90000.00 lb
		<u>Total Volume: 53.21 bbl</u>		Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3900.00 ft			Final 69000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3873.00	
Shut In Tool	5.00			3878.00	
Hydraulic tool	5.00			3883.00	
Jars	5.00			3888.00	
Safety Joint	3.00			3891.00	
Packer	5.00			3896.00	28.00 Bottom Of Top Packer
Packer	4.00			3900.00	
Stubb	1.00			3901.00	
Recorder	0.00	8353	Inside	3901.00	
Recorder	0.00	6741	Inside	3901.00	
Perforations	19.00			3920.00	
Bullnose	5.00			3925.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Riley #1
14 13S 34W Logan KS
Job Ticket: 29936 **DST#: 3**
Test Start: 2008.04.08 @ 12:09:21

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:	90000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.34 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5600.00 ppm			
Filter Cake: 1.00 inches			

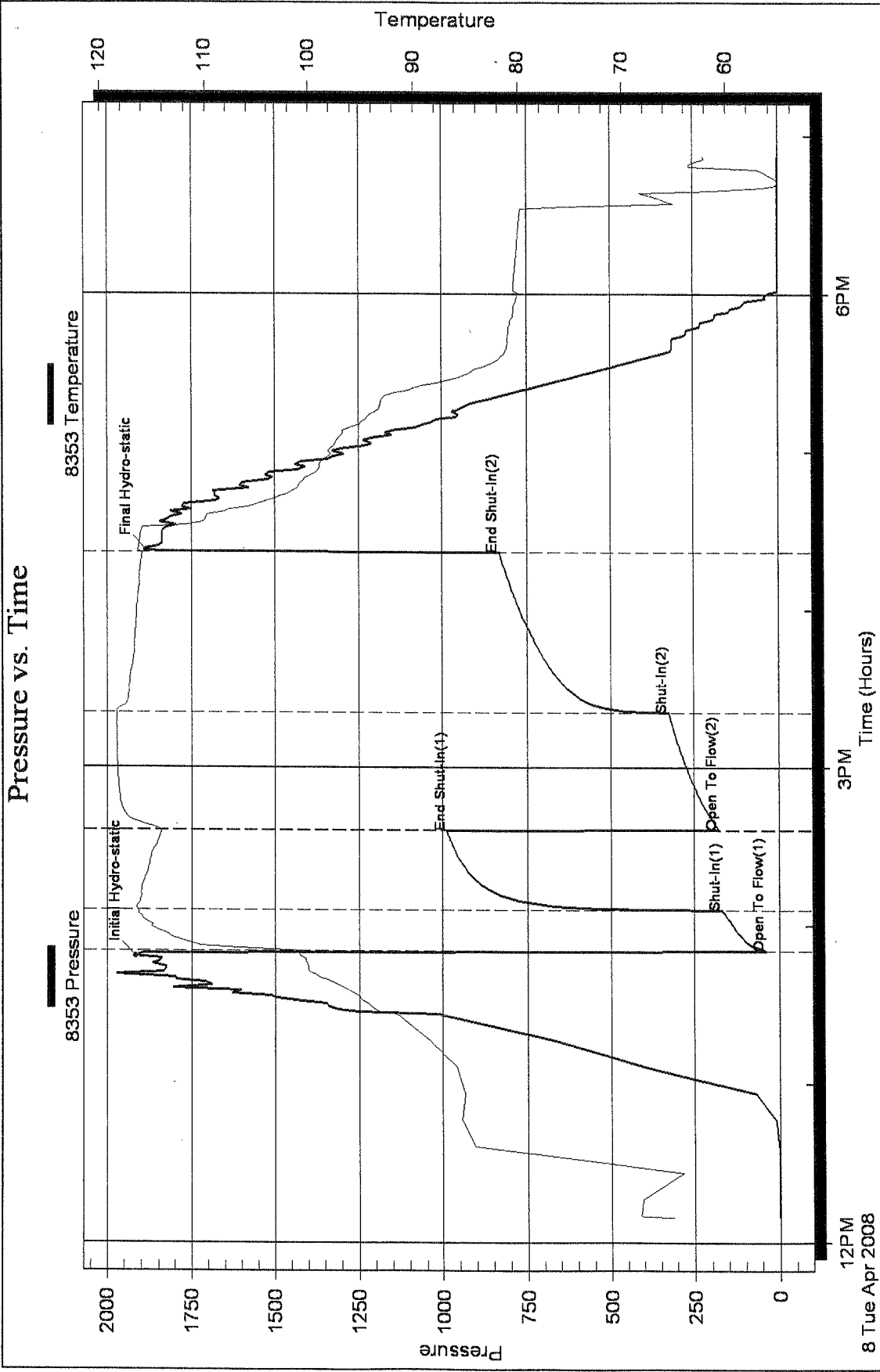
Recovery Information

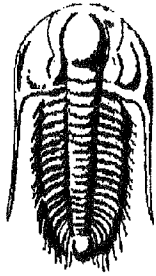
Recovery Table

Length ft	Description	Volume bbl
20.00	100%M	0.098
600.00	SMCW 95%W 5%M	7.187
30.00	WCM 40%W 60%M	0.421
0.00	GIP 0	0.000

Total Length: 650.00 ft Total Volume: 7.706 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

14 13S 34W Logan KS

Riley #1

Start Date: 2008.04.09 @ 08:33:12

End Date: 2008.04.09 @ 13:49:06

Job Ticket #: 29937 DST #: 4

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Carmen Schmitt Inc

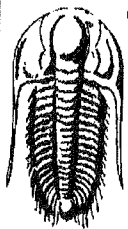
Riley #1

14 13S 34W Logan KS

DST # 4

Lans. H

2008.04.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

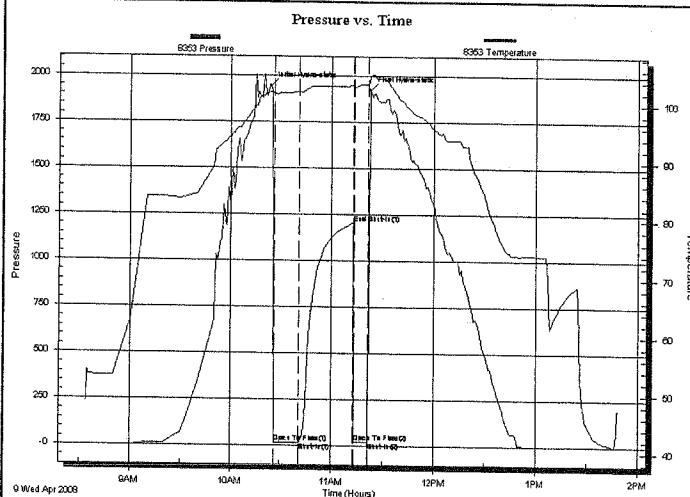
Riley #1
14 13S 34W Logan KS
Job Ticket: 29937 **DST#: 4**
Test Start: 2008.04.09 @ 08:33:12

GENERAL INFORMATION:

Formation: **Lans. H**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 10:26:07
Time Test Ended: 13:49:06
Test Type: **Conventional Bottom Hole**
Tester: **Brandon Domsch**
Unit No: **25**
Interval: 3964.00 ft (KB) To 4000.00 ft (KB) (TVD)
Reference Elevations: 2912.00 ft (KB)
Total Depth: **4000.00 ft (KB) (TVD)** 2907.00 ft (CF)
Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: 5.00 ft

Serial #: 8353 Inside
Press@RunDepth: 19.51 psig @ 3965.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.04.09 End Date: 2008.04.09 Last Calib.: 2008.04.09
Start Time: 08:33:12 End Time: 13:49:05 Time On Btm: 2008.04.09 @ 10:24:07
Time Off Btm: 2008.04.09 @ 11:22:07

TEST COMMENT: IF Built to 1/4 "
IS No return
FF Very weak surface blow for 6 mins.
FS NA



PRESSURE SUMMARY

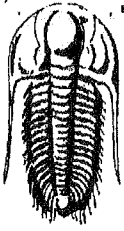
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1944.68	102.15	Initial Hydro-static
2	16.01	101.82	Open To Flow (1)
17	19.51	102.17	Shut-In(1)
49	1205.01	103.34	End Shut-In(1)
49	21.63	103.08	Open To Flow (2)
57	23.61	103.44	Shut-In(2)
58	1924.40	104.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%M	0.02

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: Jacob Porter

Riley #1
14 13S 34W Logan KS
Job Ticket: 29937 **DST#: 4**
Test Start: 2008.04.09 @ 08:33:12

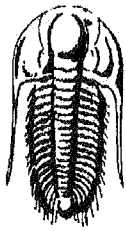
Tool Information

Drill Pipe:	Length: 3800.00 ft	Diameter: 3.80 inches	Volume: 53.30 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: 25000.00 lb
Drill Collar:	Length: 155.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 54.06 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3964.00 ft			Final 66000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3937.00	
Shut In Tool	5.00			3942.00	
Hydraulic tool	5.00			3947.00	
Jars	5.00			3952.00	
Safety Joint	3.00			3955.00	
Packer	5.00			3960.00	28.00 Bottom Of Top Packer
Packer	4.00			3964.00	
Stubb	1.00			3965.00	
Recorder	0.00	8353	Inside	3965.00	
Recorder	0.00	6741	Inside	3965.00	
Perforations	30.00			3995.00	
Bullnose	5.00			4000.00	36.00 Bottom Packers & Anchor

Total Tool Length: 64.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Riley #1
14 13S 34W Logan KS
Job Ticket: 29937 DST#: 4
Test Start: 2008.04.09 @ 08:33:12

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: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.75 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: 2.00 inches			

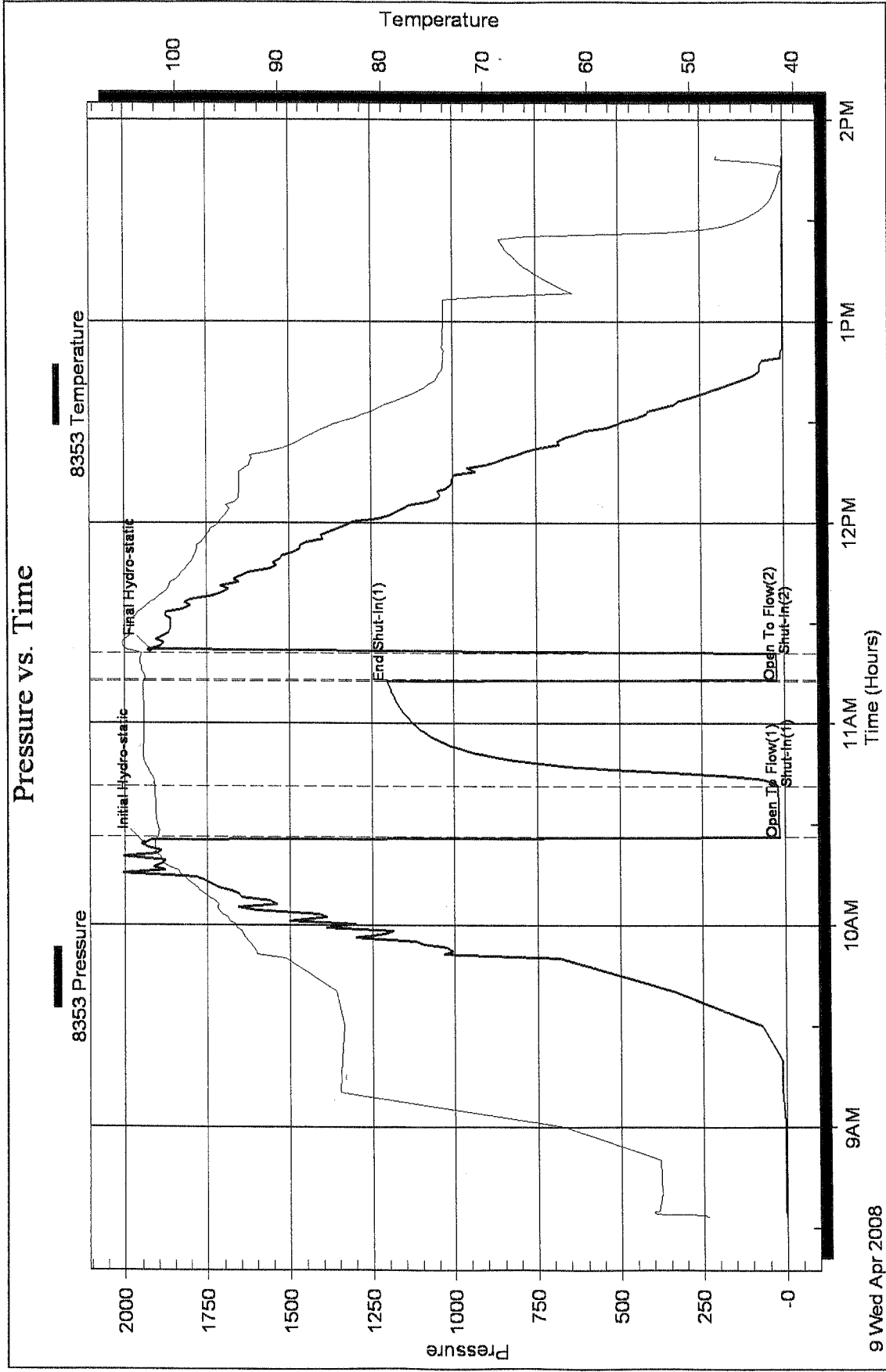
Recovery Information

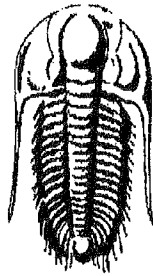
Recovery Table

Length ft	Description	Volume bbl
5.00	100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 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

14 13S 34W Logan KS

Riley #1

Start Date: 2008.04.09 @ 22:53:43

End Date: 2008.04.10 @ 07:14:07

Job Ticket #: 29938 DST #: 5

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Carmen Schmitt Inc

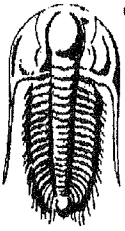
Riley #1

14 13S 34W Logan KS

DST # 5

Lans. 1

2008.04.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

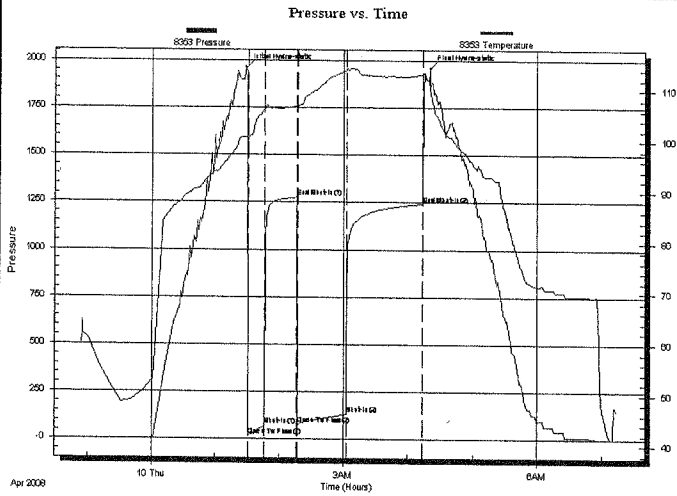
Riley #1
14 13S 34W Logan KS
Job Ticket: 29938 **DST#: 5**
Test Start: 2008.04.09 @ 22:53:43

GENERAL INFORMATION:

Formation: **Lans. I**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 01:31:08
Time Test Ended: 07:14:07
Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 25
Interval: **3999.00 ft (KB) To 4030.00 ft (KB) (TVD)**
Reference Elevations: 2912.00 ft (KB)
Total Depth: 4030.00 ft (KB) (TVD) 2907.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8353 Inside
Press@RunDepth: 132.79 psig @ 4000.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.04.09 End Date: 2008.04.10 Last Calib.: 2008.04.10
Start Time: 22:53:43 End Time: 07:14:07 Time On Btm: 2008.04.10 @ 01:29:08
Time Off Btm: 2008.04.10 @ 04:20:37

TEST COMMENT: IF Built to 4 1/2 "
IS No return
FF BOB in 43 mins.
FS No return



PRESSURE SUMMARY

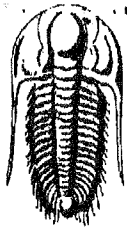
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1959.00	100.84	Initial Hydro-static
2	18.43	100.32	Open To Flow (1)
17	71.06	106.16	Shut-In(1)
47	1275.25	106.96	End Shut-In(1)
48	76.42	106.87	Open To Flow (2)
94	132.79	114.01	Shut-In(2)
165	1241.74	113.09	End Shut-In(2)
172	1956.87	110.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100%M	0.10
178.00	MCW 70%W 30%M	1.27
61.00	WCM 55%W 45%M	0.86
0.00	GIP0	0.00

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: Jacob Porter

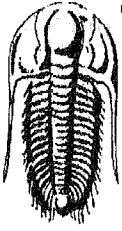
Riley #1
14 13S 34W Logan KS
Job Ticket: 29938 **DST#: 5**
Test Start: 2008.04.09 @ 22:53:43

Tool Information

Drill Pipe:	Length: 3830.00 ft	Diameter: 3.80 inches	Volume: 53.72 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: 25000.00 lb
Drill Collar:	Length: 155.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 54.48 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3999.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3972.00	
Shut In Tool	5.00			3977.00	
Hydraulic tool	5.00			3982.00	
Jars	5.00			3987.00	
Safety Joint	3.00			3990.00	
Packer	5.00			3995.00	28.00 Bottom Of Top Packer
Packer	4.00			3999.00	
Stubb	1.00			4000.00	
Recorder	0.00	8353	Inside	4000.00	
Recorder	0.00	6741	Inside	4000.00	
Perforations	25.00			4025.00	
Bullnose	5.00			4030.00	31.00 Bottom Packers & Anchor
Total Tool Length:	59.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Riley #1
14 13S 34W Logan KS
Job Ticket: 29938 **DST#: 5**
Test Start: 2008.04.09 @ 22:53:43

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:	55000 ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.37 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 9000.00 ppm			
Filter Cake: 2.00 inches			

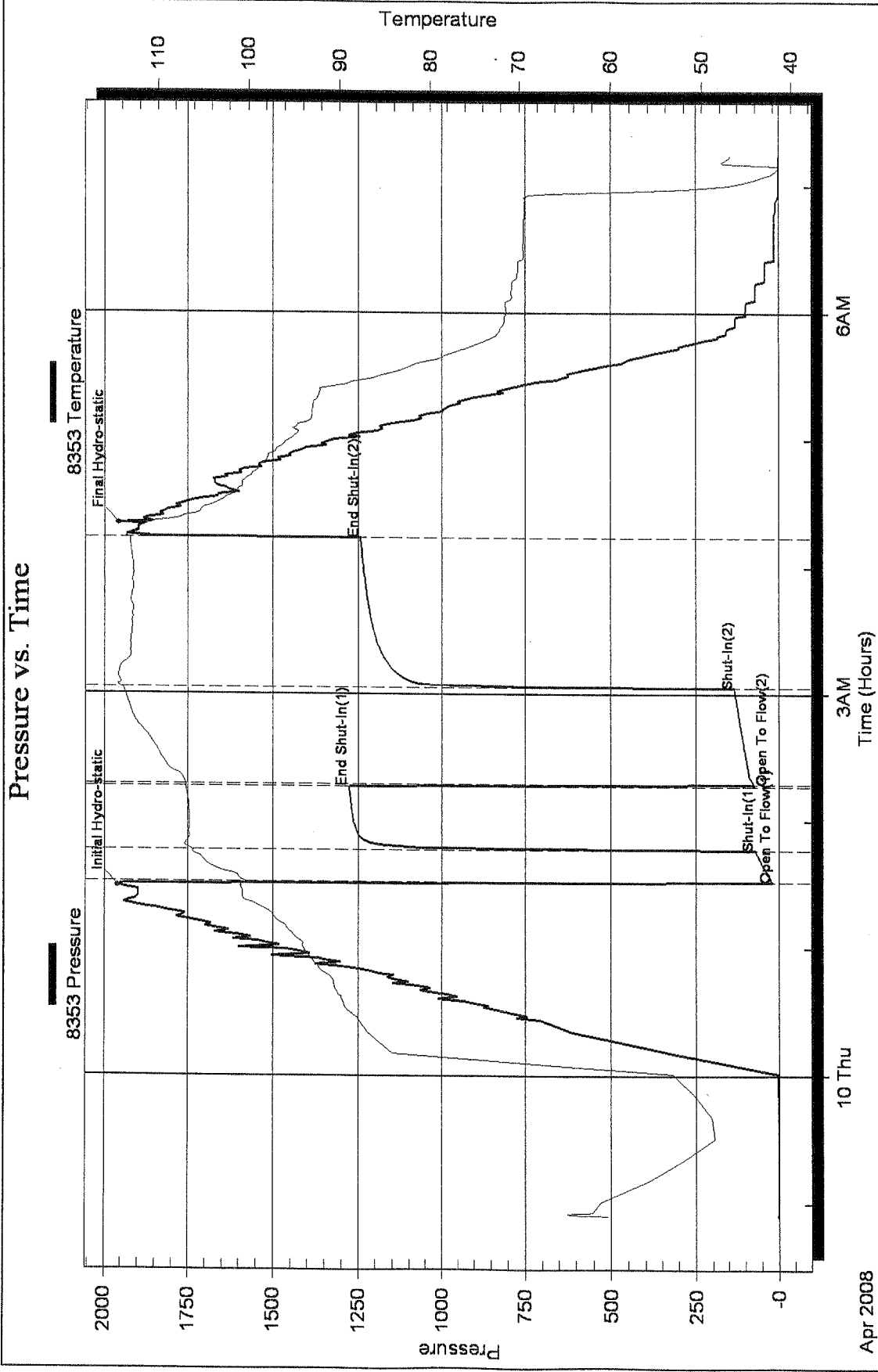
Recovery Information

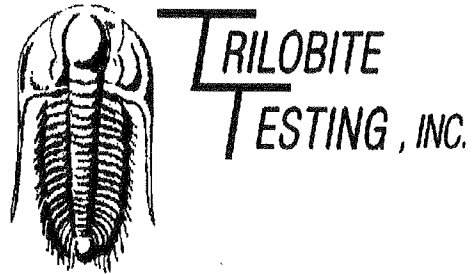
Recovery Table

Length ft	Description	Volume bbl
20.00	100%M	0.098
178.00	M/W 70%W 30%M	1.267
61.00	WCM 55%W 45%M	0.856
0.00	GIP 0	0.000

Total Length: 259.00 ft Total Volume: 2.221 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

14 13S 34W Logan KS

Riley #1

Start Date: 2008.04.10 @ 19:39:01

End Date: 2008.04.11 @ 04:52:41

Job Ticket #: 29491 DST #: 6

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Carmen Schmitt Inc

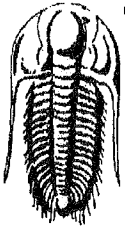
Riley #1

14 13S 34W Logan KS

DST # 6

Lans, J-K

2008.04.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

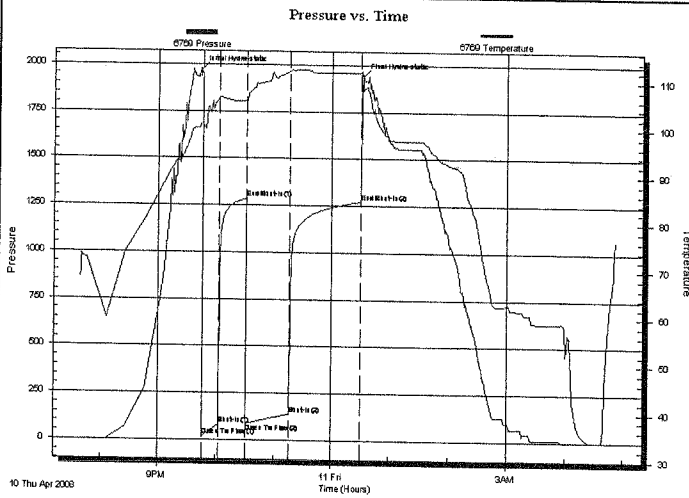
Riley #1
14 13S 34W Logan KS
Job Ticket: 29491 DST#: 6
Test Start: 2008.04.10 @ 19:39:01

GENERAL INFORMATION:

Formation: **Lans. J-K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:46:11
Time Test Ended: 04:52:41
Test Type: Conventional Bottom Hole
Tester: Brandon Domsch
Unit No: 25
Interval: **4040.00 ft (KB) To 4100.00 ft (KB) (TVD)**
Total Depth: 4100.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 2912.00 ft (KB)
2907.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6769 Inside
Press@RunDepth: 139.57 psig @ 4041.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.04.10 End Date: 2008.04.11 Last Calib.: 2008.04.11
Start Time: 19:39:01 End Time: 04:52:41 Time On Btm: 2008.04.10 @ 21:44:26
Time Off Btm: 2008.04.11 @ 00:32:25

TEST COMMENT: IF Built to 4 1/2 "
IS No return
FF Built to 9 1/2 "
FS No return



PRESSURE SUMMARY

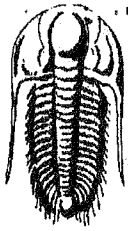
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1969.56	100.91	Initial Hydro-static
2	18.70	99.81	Open To Flow (1)
19	81.51	106.26	Shut-In (1)
47	1283.88	105.80	End Shut-In (1)
47	87.26	105.36	Open To Flow (2)
92	139.57	112.05	Shut-In (2)
166	1270.11	111.82	End Shut-In (2)
168	1937.46	107.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	100%M	0.22
204.00	WCM 25%W 75%M	1.86
30.00	SWCM 10%W 90%M	0.42
0.00	GIP 0	0.00

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: Jacob Porter

Riley #1
14 13S 34W Logan KS
Job Ticket: 29491 **DST#: 6**
Test Start: 2008.04.10 @ 19:39:01

Tool Information

Drill Pipe:	Length: 3890.00 ft	Diameter: 3.80 inches	Volume: 54.57 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: 25000.00 lb
Drill Collar:	Length: 155.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 55.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4040.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

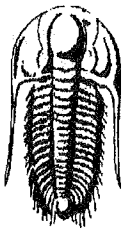
Tool Comments:

Tool Description

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

Change Over Sub	1.00			4013.00	
Shut In Tool	5.00			4018.00	
Hydraulic tool	5.00			4023.00	
Jars	5.00			4028.00	
Safety Joint	3.00			4031.00	
Packer	5.00			4036.00	28.00 Bottom Of Top Packer
Packer	4.00			4040.00	
Stubb	1.00			4041.00	
Recorder	0.00	6769	Inside	4041.00	
Recorder	0.00	6772	Inside	4041.00	
Perforations	22.00			4063.00	
Change Over Sub	1.00			4064.00	
Drill Pipe	30.00			4094.00	
Change Over Sub	1.00			4095.00	
Bullnose	5.00			4100.00	60.00 Bottom Packers & Anchor

Total Tool Length: 88.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt Inc
PO Box 47
Great Bend KS 67530

ATTN: Jacob Porter

Riley #1
14 13S 34W Logan KS
Job Ticket: 29491 **DST#: 6**
Test Start: 2008.04.10 @ 19:39:01

Mud and Cushion Information

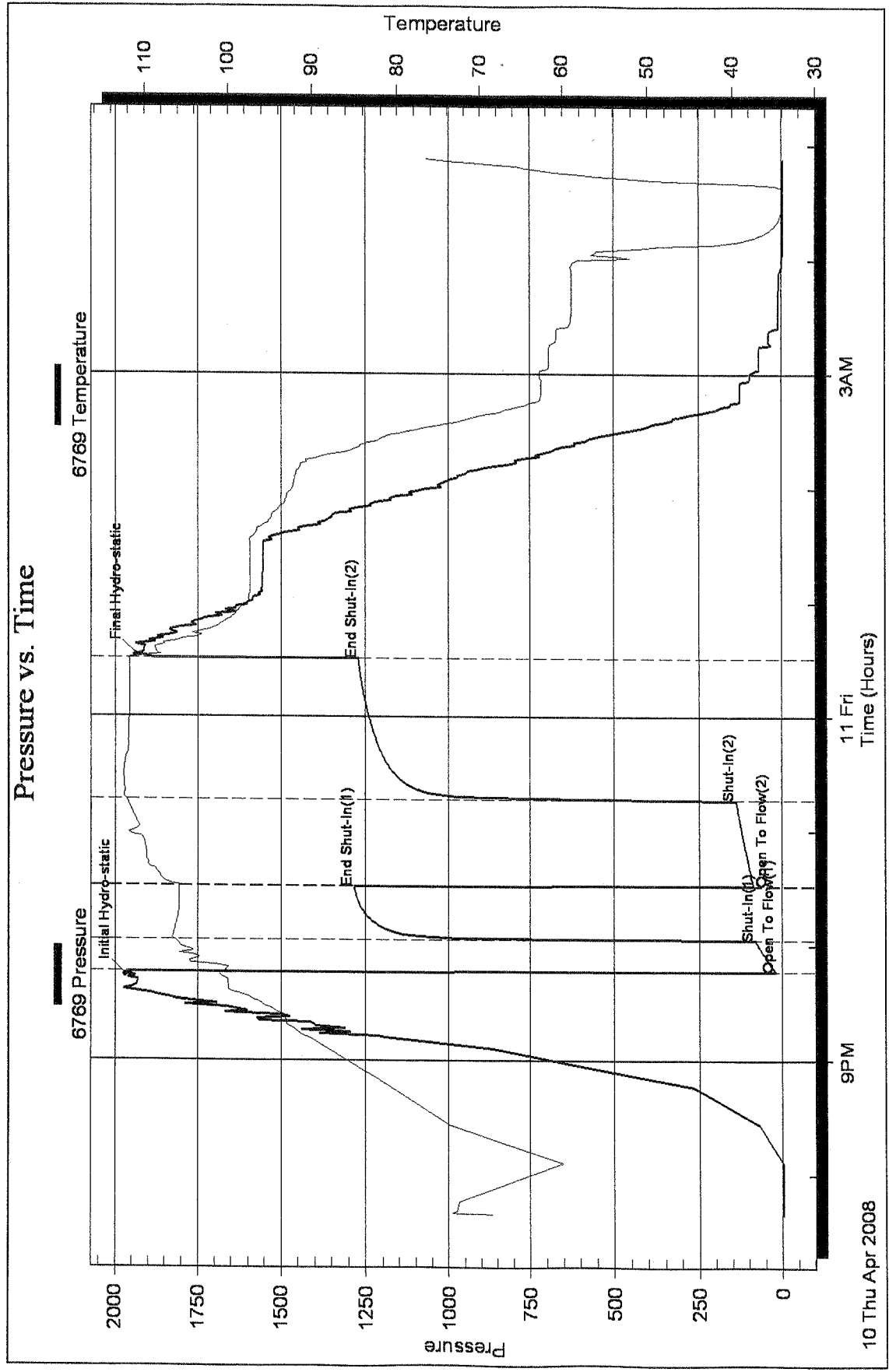
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	34000 ppm
Viscosity: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.36 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8800.00 ppm			
Filter Cake: 1.00 inches			

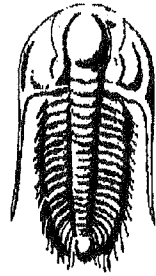
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	100%M	0.221
204.00	WCM 25%W 75%M	1.860
30.00	SWCM 10%W 90%M	0.421
0.00	GIP 0	0.000

Total Length: 279.00 ft Total Volume: 2.502 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: Jacob Porter

14 13S 34W Logan KS

Riley #1

Start Date: 2008.04.12 @ 20:55:38

End Date: 2008.04.13 @ 03:15:32

Job Ticket #: 29939 DST #: 7

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Carmen Schmitt Inc

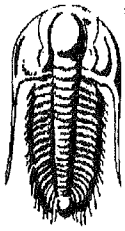
Riley #1

14 13S 34W Logan KS

DST # 7

Cherokee - Johnson

2008.04.12



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

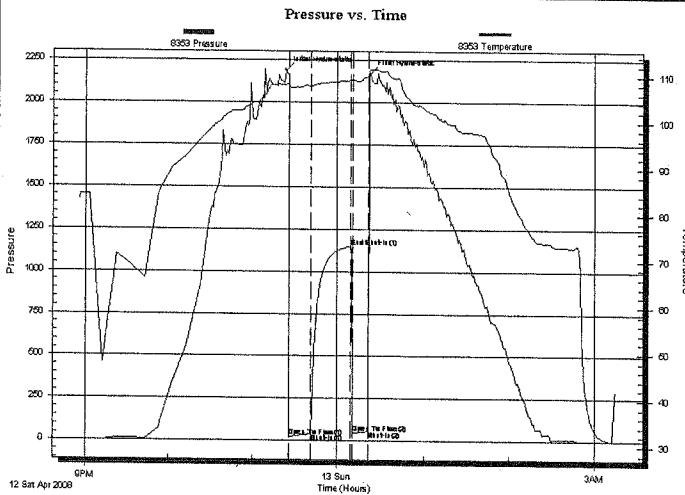
Riley #1
14 13S 34W Logan KS
 Job Ticket: 29939 **DST#: 7**
 Test Start: 2008.04.12 @ 20:55:38

GENERAL INFORMATION:

Formation: **Cherokee - Johnson**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 23:26:33
 Tester: Brandon Domsch
 Time Test Ended: 03:15:32
 Unit No: 25
 Interval: **4318.00 ft (KB) To 4435.00 ft (KB) (TVD)**
 Reference Elevations: 2912.00 ft (KB)
 Total Depth: 4435.00 ft (KB) (TVD)
 2907.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8353 **Inside**
 Press@RunDepth: 40.46 psig @ 4319.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2008.04.12 End Date: 2008.04.13 Last Calib.: 2008.04.13
 Start Time: 20:55:38 End Time: 03:15:32 Time On Btm: 2008.04.12 @ 23:24:03
 Time Off Btm: 2008.04.13 @ 00:22:33

TEST COMMENT: IF Built to 1 1/2 "
 IS No return
 FF Built to 1/2 "
 FS N/A



PRESSURE SUMMARY

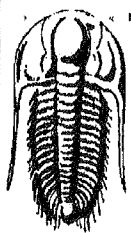
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2187.01	108.14	Initial Hydro-static
3	23.14	107.64	Open To Flow (1)
18	40.46	107.71	Shut-In(1)
46	1147.82	109.01	End Shut-In(1)
47	45.61	109.18	Open To Flow (2)
57	57.02	109.86	Shut-In(2)
59	2167.11	111.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	100%M	0.32

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: Jacob Porter

Riley #1
14 13S 34W Logan KS
Job Ticket: 29939 **DST#: 7**
Test Start: 2008.04.12 @ 20:55:38

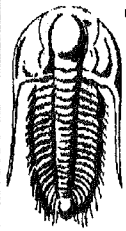
Tool Information

Drill Pipe:	Length: 4166.00 ft	Diameter: 3.80 inches	Volume: 58.44 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: 25000.00 lb
Drill Collar:	Length: 155.00 ft	Diameter: 2.25 inches	Volume: 0.76 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 59.20 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4318.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	117.00 ft			
Tool Length:	145.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4291.00	
Shut In Tool	5.00			4296.00	
Hydraulic tool	5.00			4301.00	
Jars	5.00			4306.00	
Safety Joint	3.00			4309.00	
Packer	5.00			4314.00	28.00 Bottom Of Top Packer
Packer	4.00			4318.00	
Stubb	1.00			4319.00	
Recorder	0.00	8353	Inside	4319.00	
Recorder	0.00	6741	Inside	4319.00	
Perforations	18.00			4337.00	
Change Over Sub	1.00			4338.00	
Drill Pipe	91.00			4429.00	
Change Over Sub	1.00			4430.00	
Bullnose	5.00			4435.00	117.00 Bottom Packers & Anchor

Total Tool Length: 145.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Riley #1
14 13S 34W Logan KS
Job Ticket: 29939 DST#: 7
Test Start: 2008.04.12 @ 20:55:38

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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.96 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 9900.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	100%M	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

