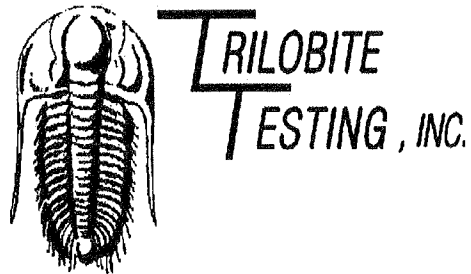


15-009-25306

36-16s-15w

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DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Bob Schreiber

36-16s-15w Barton KS

Schaffer #3

Start Date: 2009.02.21 @ 18:22:43

End Date: 2009.02.22 @ 00:32:43

Job Ticket #: 36094 DST #: 1

KANSAS CORPORATION COMMISSION

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

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Carmen Schmitt, Inc

Schaffer #3

36-16s-15w Barton KS

DST # 1

Topeka

2009.02.21



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

PO Box 47
Great Bend, KS 67530

ATTN: Bob Schreiber

Schaffer #3

36-16s-15w Barton KS

Job Ticket: 36094

DST#: 1

Test Start: 2009.02.21 @ 18:22:43

GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:29:43

Time Test Ended: 00:32:43

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: 3094.00 ft (KB) To 3174.00 ft (KB) (TVD)

Total Depth: 3174.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1997.00 ft (KB)

1992.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 174.76 psig @ 3098.00 ft (KB)

Start Date: 2009.02.21

End Date:

2009.02.22

Start Time: 18:22:45

End Time:

00:32:43

Capacity: 7000.00 psig

Last Calib.: 2009.02.22

Time On Btm: 2009.02.21 @ 20:29:13

Time Off Btm: 2009.02.21 @ 23:00:43

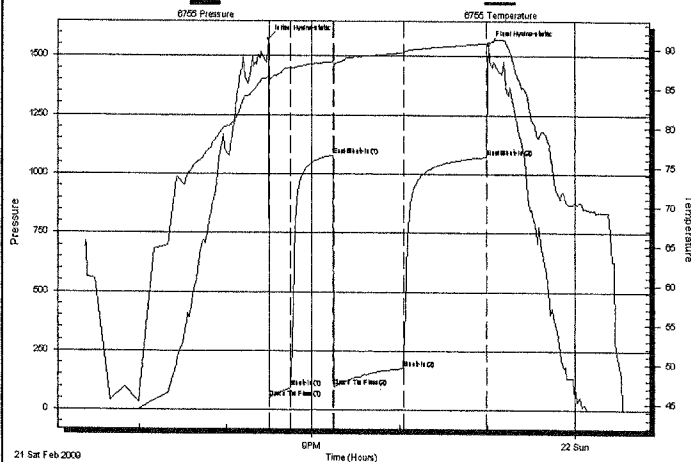
TEST COMMENT: IFP-Fair Blow ,Built to 7"

ISI-Dead

FFP-Good Blow ,BOB in 34 Min.

FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

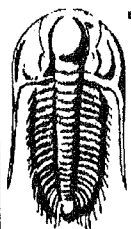
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1571.77	86.46	Initial Hydro-static
1	48.31	85.53	Open To Flow (1)
16	94.13	87.57	Shut-In(1)
46	1078.81	88.39	End Shut-In(1)
46	98.91	87.86	Open To Flow (2)
93	174.76	89.55	Shut-In(2)
151	1072.81	90.77	End Shut-In(2)
152	1548.92	90.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
275.00	Watery Mud	1.62

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc

Schaffer #3

PO Box 47
Great Bend, KS 67530

36-16s-15w Barton KS

Job Ticket: 36094

DST#: 1

ATTN: Bob Schreiber

Test Start: 2009.02.21 @ 18:22:43

Tool Information

Drill Pipe:	Length: 2825.00 ft	Diameter: 3.80 inches	Volume: 39.63 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	48000.00 lb
		Total Volume:	40.84 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3094.00 ft			Final	45000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	80.00 ft				
Tool Length:	108.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

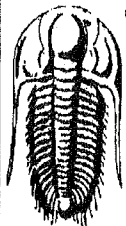
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3067.00	
Shut In Tool	5.00			3072.00	
Hydraulic tool	5.00			3077.00	
Jars	5.00			3082.00	
Safety Joint	2.00			3084.00	
Packer	5.00			3089.00	28.00 Bottom Of Top Packer
Packer	5.00			3094.00	
Stubb	1.00			3095.00	
Perforations	2.00			3097.00	
Recorder	0.00	8360	Inside	3097.00	
Change Over Sub	1.00			3098.00	
Recorder	0.00	6755	Inside	3098.00	
Blank Spacing	62.00			3160.00	
Change Over Sub	1.00			3161.00	
Perforations	10.00			3171.00	
Bullnose	3.00			3174.00	80.00 Bottom Packers & Anchor
Total Tool Length:		108.00			

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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc

Schaffer #3

PO Box 47
Great Bend, KS 67530

36-16s-15w Barton KS

Job Ticket: 36094

DST#: 1

ATTN: Bob Schreiber

Test Start: 2009.02.21 @ 18:22:43

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 8.76 in³

Resistivity: ohm.m

Salinity: 3900.00 ppm

Filter Cake: 0.06 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity: 95000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
275.00	Watery Mud	1.617

Total Length: 275.00 ft Total Volume: 1.617 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .253 @ 23F 95000

DST Test Number: 1

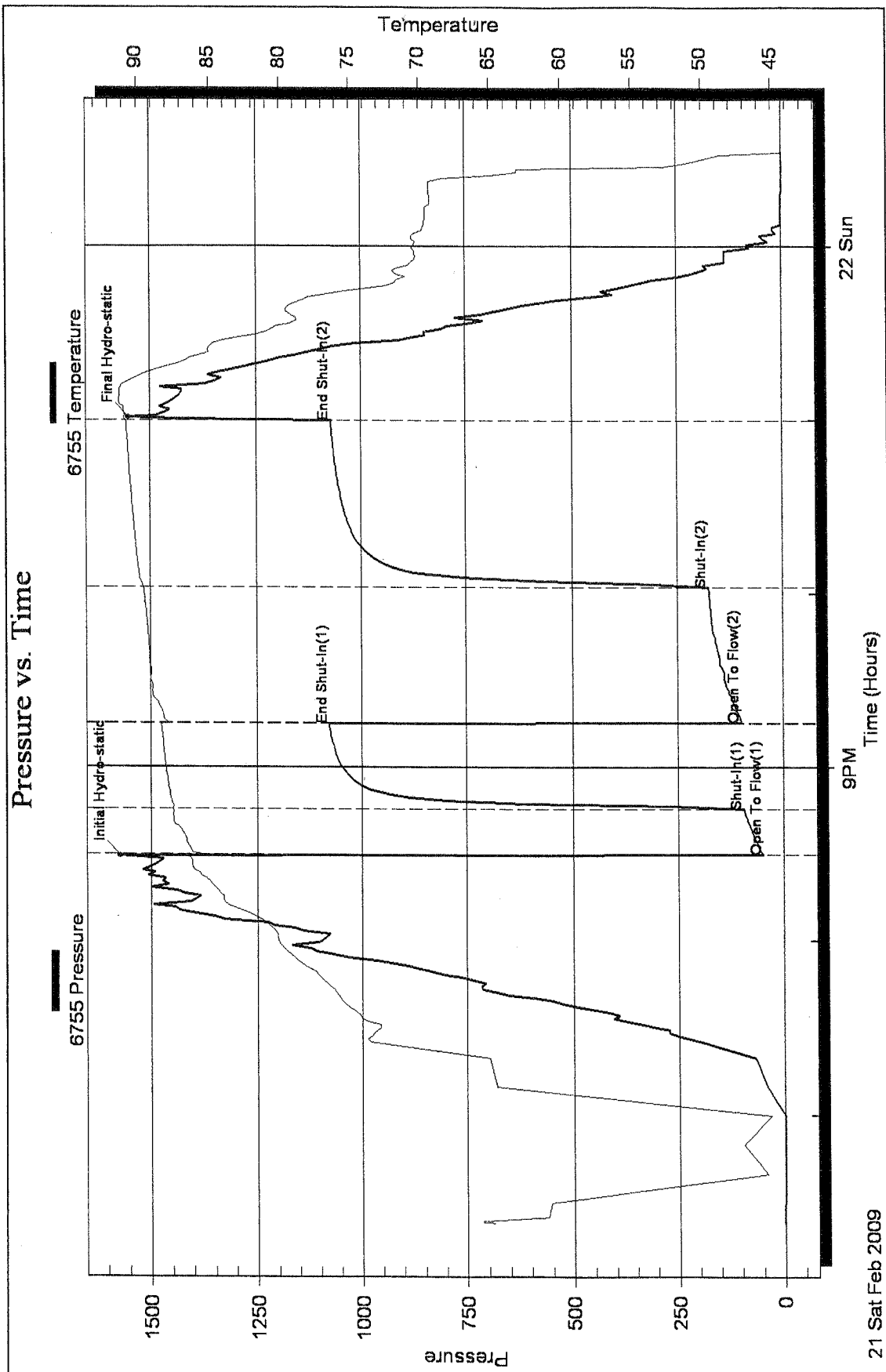
36-16s-15w Barton KS

Carmen Schnitt, Inc

Inside

Serial #: 6755

Pressure vs. Time



Ref. No: 36094

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Carmen Schmitt, Inc

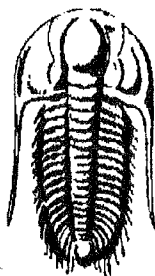
Schaffer #3

36-16s-15w Barton KS

DST # 2

LKC

2009.02.22



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DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Bob Schreiber

36-16s-15w Barton KS

Schaffer #3

Start Date: 2009.02.22 @ 10:35:07

End Date: 2009.02.22 @ 16:34:37

Job Ticket #: 36095 DST #: 2

Trilobite Testing, Inc

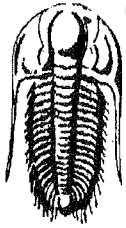
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ph: 785-625-4778 fax: 785-625-5620

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc

PO Box 47
Great Bend, KS 67530

ATTN: Bob Schreiber

Schaffer #3

36-16s-15w Barton KS

Job Ticket: 36095

DST#: 2

Test Start: 2009.02.22 @ 10:35:07

GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:00:37

Time Test Ended: 16:34:37

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3186.00 ft (KB) To 3270.00 ft (KB) (TVD)**

Total Depth: 3270.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1997.00 ft (KB)

1992.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 300.52 psig @ 3189.00 ft (KB)

Start Date: 2009.02.22

End Date:

2009.02.22

Start Time: 10:35:09

End Time:

16:34:37

Capacity: 7000.00 psig

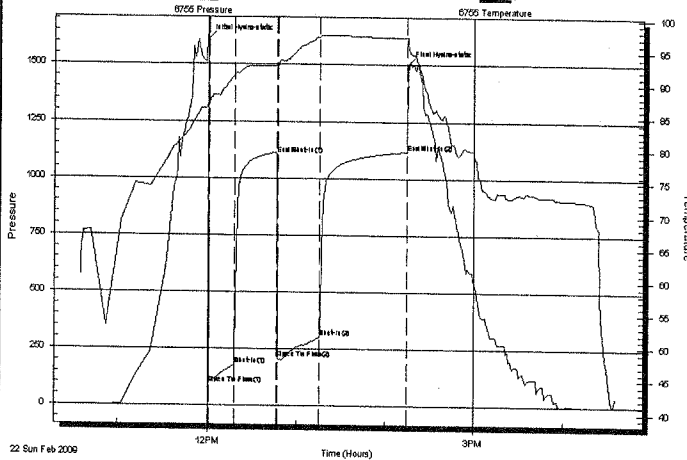
Last Calib.: 2009.02.22

Time On Btm: 2009.02.22 @ 12:00:07

Time Off Btm: 2009.02.22 @ 14:15:07

TEST COMMENT: IFP-Strong, BOB in 1 Min.
ISI-Blow back Built to 5-1/2"
FFP-Strong, BOB in 1-1/2 Min, Gas To Surface in 20 Min.
FSI-Blowback BOB in 10 Min.

Pressure vs. Time



PRESSURE SUMMARY

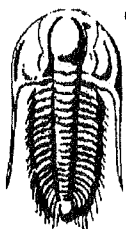
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1610.30	87.03	Initial Hydro-static
1	95.21	86.95	Open To Flow (1)
18	177.73	91.30	Shut-In(1)
47	1105.93	92.77	End Shut-In(1)
47	207.60	92.56	Open To Flow (2)
75	300.52	97.19	Shut-In(2)
135	1117.48	97.10	End Shut-In(2)
135	1499.98	97.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
480.00	GassyMWCO-25%G-60%O-10%W-5%M	4.49
155.00	GassyHOCM-25%G-50%O-25%M	2.17

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc

Schaffer #3

PO Box 47
Great Bend, KS 67530

36-16s-15w Barton KS

ATTN: Bob Schreiber

Job Ticket: 36095

DST#: 2

Test Start: 2009.02.22 @ 10:35:07

Tool Information

Drill Pipe:	Length: 2926.00 ft	Diameter: 3.80 inches	Volume: 41.04 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	48000.00 lb
			Total Volume: 42.25 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3186.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	84.00 ft				
Tool Length:	105.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

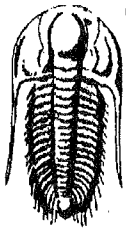
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3166.00	
Shut In Tool	5.00			3171.00	
Hydraulic tool	5.00			3176.00	
Packer	5.00			3181.00	21.00 Bottom Of Top Packer
Packer	5.00			3186.00	
Stubb	1.00			3187.00	
Perforations	1.00			3188.00	
Recorder	0.00	8360	Inside	3188.00	
Change Over Sub	1.00			3189.00	
Recorder	0.00	6755	Inside	3189.00	
Blank Spacing	62.00			3251.00	
Change Over Sub	1.00			3252.00	
Perforations	15.00			3267.00	
Bullnose	3.00			3270.00	84.00 Bottom Packers & Anchor

Total Tool Length: 105.00

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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc

Schaffer #3

PO Box 47
Great Bend, KS 67530

36-16s-15w Barton KS

Job Ticket: 36095

DST#: 2

ATTN: Bob Schreiber

Test Start: 2009.02.22 @ 10:35:07

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 9.97 in³

Resistivity: ohm.m

Salinity: 6800.00 ppm

Filter Cake: 0.06 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 48 deg API

Water Salinity: 35000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
480.00	GassyMVCO-25%G-60%O-10%W-5%M	4.492
155.00	GassyHOCM-25%G-50%O-25%M	2.174

Total Length: 635.00 ft Total Volume: 6.666 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

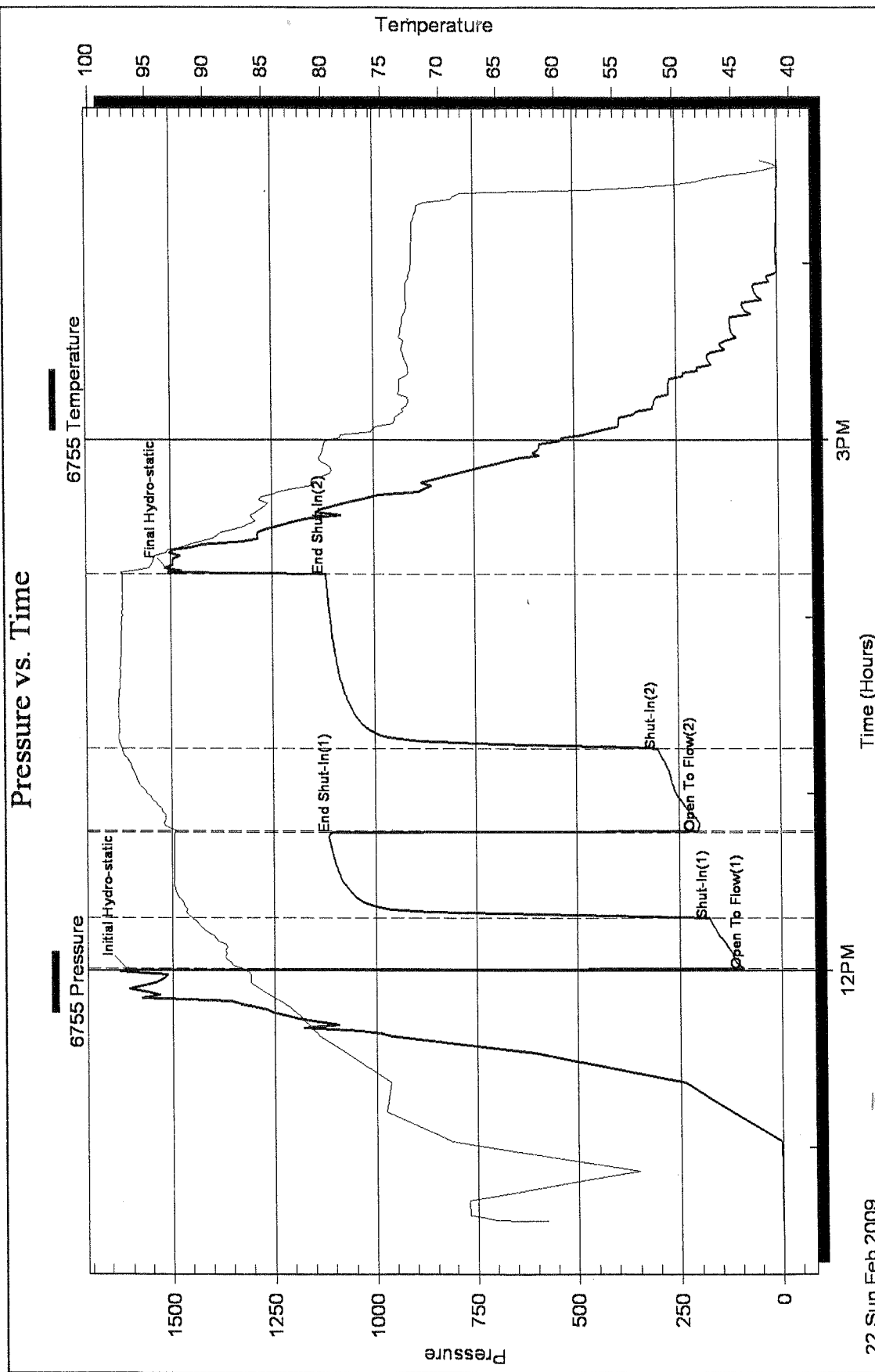
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .329 @ 50F 35000

Pressure vs. Time



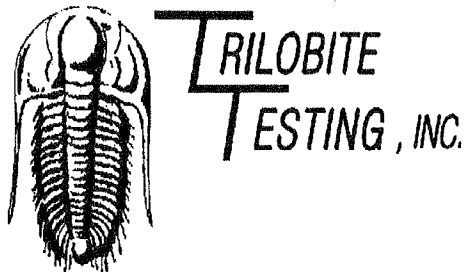
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Ref. No: 36095



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DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Bob Schreiber

36-16s-15w Barton KS

Schaffer #3

Start Date: 2009.02.23 @ 10:14:17

End Date: 2009.02.23 @ 14:39:47

Job Ticket #: 36096 DST #: 3

Trilobite Testing, Inc

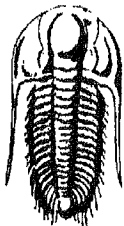
PO Box 1733 Hays, KS 67601

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

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc

PO Box 47
Great Bend, KS 67530

ATTN: Bob Schreiber

Schaffer #3

36-16s-15w Barton KS

Job Ticket: 36096

DST#: 3

Test Start: 2009.02.23 @ 10:14:17

GENERAL INFORMATION:

Formation: **Conglomerate**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:53:47

Time Test Ended: 14:39:47

Interval: **3472.00 ft (KB) To 3504.00 ft (KB) (TVD)**

Total Depth: 3504.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Reference Elevations: 1997.00 ft (KB)

1992.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755 Inside

Press@RunDepth: 44.31 psig @ 3476.00 ft (KB)

Start Date: 2009.02.23

End Date: 2009.02.23

Start Time: 10:14:19

End Time: 14:39:47

Capacity: 7000.00 psig

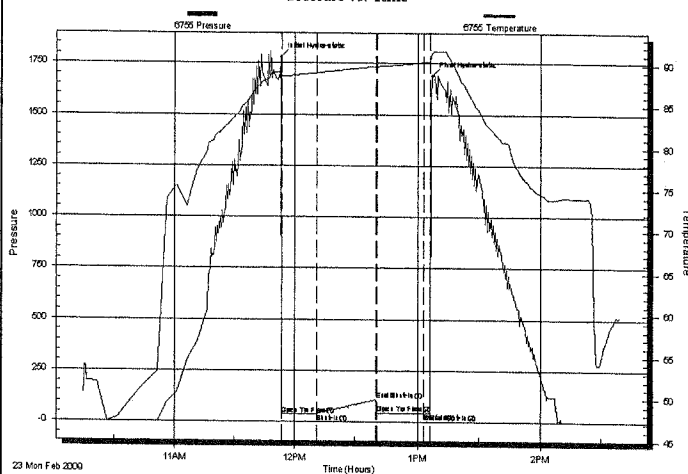
Last Calib.: 2009.02.23

Time On Btm: 2009.02.23 @ 11:53:17

Time Off Btm: 2009.02.23 @ 13:07:17

TEST COMMENT: IFP-Weak Surface Blow
ISI-Dead
FFP-Weak Surface Blow, Shut in and Pulled Tool

Pressure vs. Time



PRESSURE SUMMARY

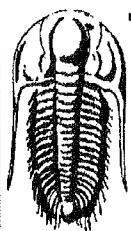
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1778.09	89.04	Initial Hydro-static
1	35.73	88.52	Open To Flow (1)
18	40.59	88.99	Shut-In(1)
47	109.37	89.79	End Shut-In(1)
48	41.77	89.77	Open To Flow (2)
70	42.30	90.28	Shut-In(2)
73	44.31	90.37	End Shut-In(2)
74	1689.15	91.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
8.00	Drilling Mud	0.04

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc

Schaffer #3

PO Box 47
Great Bend, KS 67530

36-16s-15w Barton KS

ATTN: Bob Schreiber

Job Ticket: 36096

DST#: 3

Test Start: 2009.02.23 @ 10:14:17

Tool Information

Drill Pipe:	Length: 3237.00 ft	Diameter: 3.80 inches	Volume: 45.41 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	50000.00 lb
		Total Volume:	46.62 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3472.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	53.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3452.00	
Shut In Tool	5.00			3457.00	
Hydraulic tool	5.00			3462.00	
Packer	5.00			3467.00	21.00 Bottom Of Top Packer
Packer	5.00			3472.00	
Stubb	1.00			3473.00	
Perforations	3.00			3476.00	
Recorder	0.00	8360	Inside	3476.00	
Recorder	0.00	6755	Inside	3476.00	
Perforations	25.00			3501.00	
Bullnose	3.00			3504.00	32.00 Bottom Packers & Anchor

Total Tool Length: 53.00

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DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc

Schaffer #3

PO Box 47
Great Bend, KS 67530

36-16s-15w Barton KS

Job Ticket: 36096

DST#: 3

ATTN: Bob Schreiber

Test Start: 2009.02.23 @ 10:14:17

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 10.18 in³

Resistivity: ohm.m

Salinity: 7400.00 ppm

Filter Cake: 0.06 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
8.00	Drilling Mud	0.039

Total Length: 8.00 ft

Total Volume: 0.039 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 3

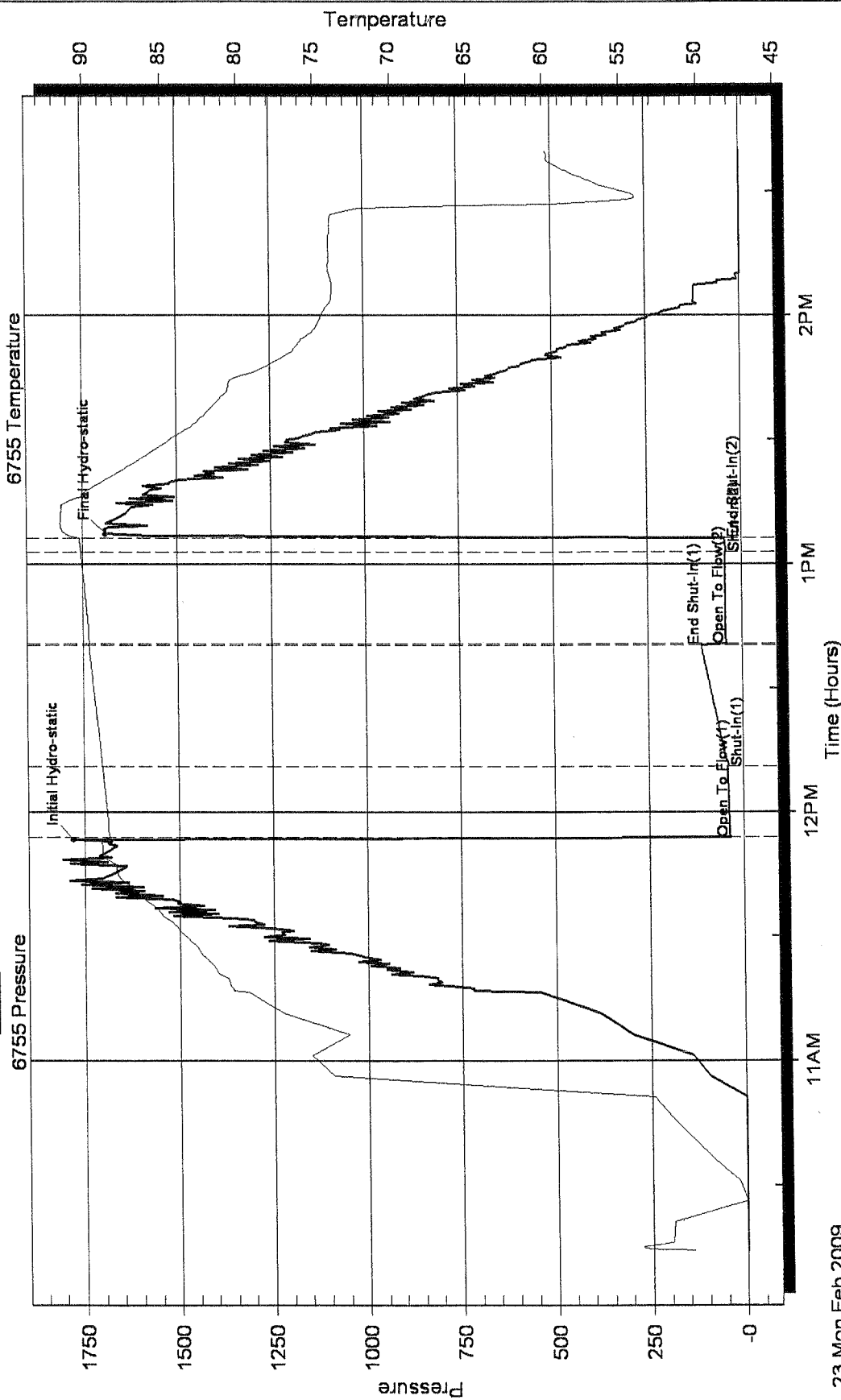
36-16s-15w Barton KS

Carmen Schmitt, Inc

Inside

Serial #: 6755

Pressure vs. Time



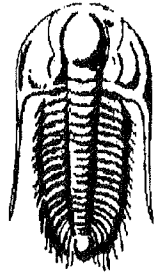
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DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

ATTN: Bob Schreiber

36-16s-15w Barton KS

Schaffer #3

Start Date: 2009.02.23 @ 20:10:50

End Date: 2009.02.24 @ 00:39:50

Job Ticket #: 36097 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

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DRILL STEM TEST REPORT

Carmen Schmitt, Inc

PO Box 47
Great Bend, KS 67530

ATTN: Bob Schreiber

Schaffer #3

36-16s-15w Barton KS

Job Ticket: 36097

DST#: 4

Test Start: 2009.02.23 @ 20:10:50

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:02:20

Time Test Ended: 00:39:50

Interval: **3472.00 ft (KB) To 3512.00 ft (KB) (TVD)**

Total Depth: 3512.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Reference Elevations: 1997.00 ft (KB)

1992.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8360

Inside

Press@RunDepth: 29.33 psig @ 3476.00 ft (KB)

Start Date: 2009.02.23

End Date:

2009.02.24

Start Time: 20:10:52

End Time:

00:39:50

Capacity: 7000.00 psig

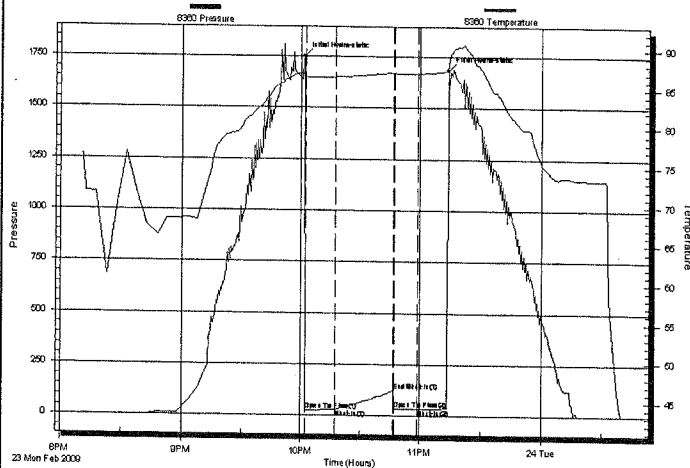
Last Calib.: 2009.02.24

Time On Btm: 2009.02.23 @ 22:01:50

Time Off Btm: 2009.02.23 @ 23:13:50

TEST COMMENT: IFP-Weak Surface Blow ,Dead in 10 Min.
ISI-Dead
FFP-Weak Surface Blow ,Building to 1/2"
FSI-Shut in And Pulled Tool

Pressure vs. Time



PRESSURE SUMMARY

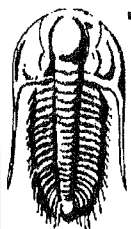
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1751.83	87.00	Initial Hydro-static
1	24.47	86.58	Open To Flow (1)
16	29.33	86.52	Shut-In(1)
45	125.38	87.11	End Shut-In(1)
46	33.31	87.07	Open To Flow (2)
57	35.01	86.99	Shut-In(2)
72	1685.30	88.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud W/Oil Specs in top Of Tool	0.05

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: Bob Schreiber

Schaffer #3

36-16s-15w Barton KS

Job Ticket: 36097

DST#: 4

Test Start: 2009.02.23 @ 20:10:50

Tool Information

Drill Pipe:	Length: 3241.00 ft	Diameter: 3.80 inches	Volume: 45.46 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	48000.00 lb
		Total Volume:	46.67 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3472.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	58.00 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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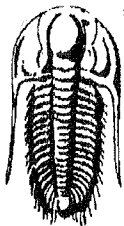
Change Over Sub	1.00			3455.00	
Shut In Tool	5.00			3460.00	
Safety Joint	2.00			3462.00	
Packer	5.00			3467.00	18.00 Bottom Of Top Packer
Packer	5.00			3472.00	
Stubb	1.00			3473.00	
Perforations	3.00			3476.00	
Recorder	0.00	8360	Inside	3476.00	
Change Over Sub	1.00			3477.00	
Recorder	0.00	6755	Inside	3477.00	
Blank Spacing	31.00			3508.00	
Change Over Sub	1.00			3509.00	
Bullnose	3.00			3512.00	40.00 Bottom Packers & Anchor

Total Tool Length: 58.00

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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc

Schaffer #3

PO Box 47
Great Bend, KS 67530

36-16s-15w Barton KS

Job Ticket: 36097

DST#: 4

ATTN: Bob Schreiber

Test Start: 2009.02.23 @ 20:10:50

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7400.00 ppm

Filter Cake: 0.06 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud W/Oil Specs in top Of Tool	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

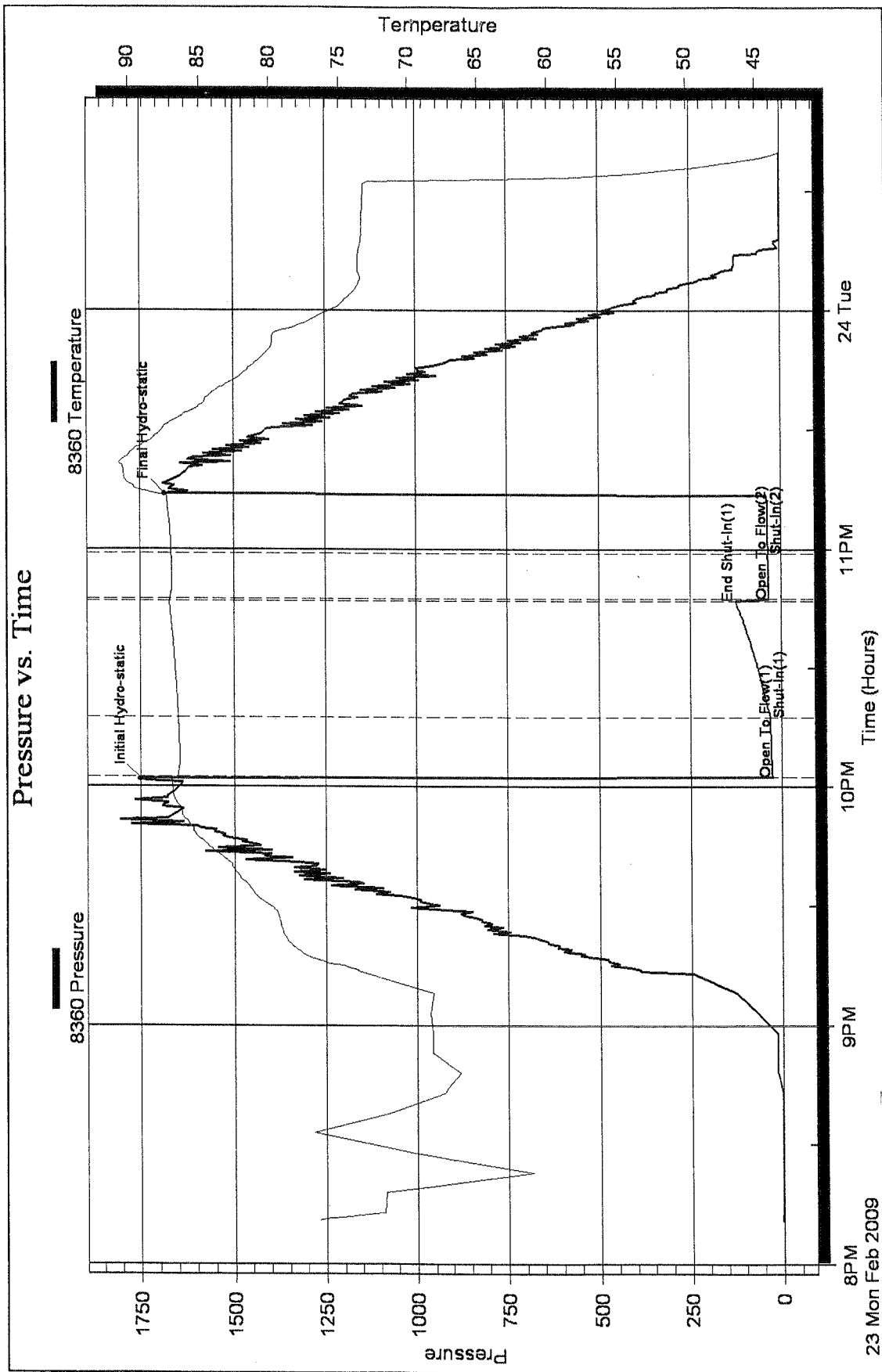
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Ref. No: 36097

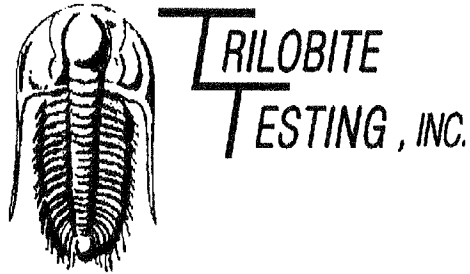
Printed: 2009.02.25 @ 10:00:02 Page 5

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Triobite Testing, Inc



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc**

PO Box 47
Great Bend, KS 67530

CONFIDENTIAL
MAY 11 2009
KCC

ATTN: Bob Schreiber

36-16s-15w Barton KS

Schaffer #3

Start Date: 2009.02.24 @ 06:23:09

End Date: 2009.02.24 @ 12:52:39

Job Ticket #: 36098 DST #: 5

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Trilobite Testing, Inc
PO Box 1733 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: Bob Schreiber

Schaffer #3

36-16s-15w Barton KS

Job Ticket: 36098

DST#: 5

Test Start: 2009.02.24 @ 06:23:09

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:06:39

Time Test Ended: 12:52:39

Test Type: Conventional Bottom Hole

Tester: Jason McLemore

Unit No: 32

Interval: **3507.00 ft (KB) To 3517.00 ft (KB) (TVD)**

Total Depth: 3517.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 1997.00 ft (KB)

1992.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 299.52 psig @ 3509.00 ft (KB)

Start Date: 2009.02.24

End Date:

2009.02.24

Capacity: 7000.00 psig

Last Calib.: 2009.02.24

Start Time: 06:23:11

End Time:

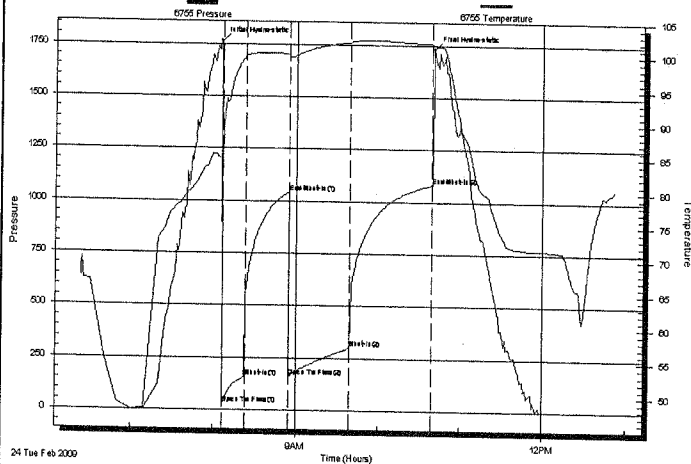
12:52:39

Time On Btm: 2009.02.24 @ 08:06:09

Time Off Btm: 2009.02.24 @ 10:40:39

TEST COMMENT: IFF-Strong, BOB in 5 Min.
ISI-Blow back Built to 1/4"
FFP-Strong, BOB in 5 Mn.
FSI-Intermittant Surface Blow back

Pressure vs. Time



PRESSURE SUMMARY

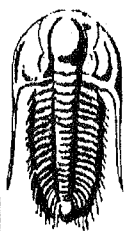
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1764.06	84.80	Initial Hydro-static
1	27.02	84.26	Open To Flow (1)
17	156.91	99.56	Shut-In (1)
48	1041.16	100.15	End Shut-In (1)
49	162.63	99.78	Open To Flow (2)
93	299.52	101.94	Shut-In (2)
153	1081.72	101.79	End Shut-In (2)
155	1731.84	101.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
600.00	Gassy Muddy Water	6.18
20.00	Muddy Water W/Oil Specks	0.28

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.

Schaffer #3

PO Box 47
Great Bend, KS 67530

36-16s-15w Barton KS

Job Ticket: 36098

DST#: 5

ATTN: Bob Schreiber

Test Start: 2009.02.24 @ 06:23:09

Tool Information

Drill Pipe:	Length: 3270.00 ft	Diameter: 3.80 inches	Volume: 45.87 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 246.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose:	50000.00 lb
			Total Volume: 47.08 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	45000.00 lb
Depth to Top Packer:	3507.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	31.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

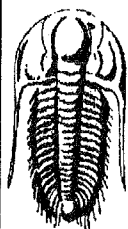
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3487.00	
Shut In Tool	5.00			3492.00	
Hydraulic tool	5.00			3497.00	
Packer	5.00			3502.00	21.00 Bottom Of Top Packer
Packer	5.00			3507.00	
Stubb	1.00			3508.00	
Perforations	1.00			3509.00	
Recorder	0.00	8360	Inside	3509.00	
Recorder	0.00	6755	Inside	3509.00	
Perforations	5.00			3514.00	
Bullnose	3.00			3517.00	10.00 Bottom Packers & Anchor

Total Tool Length: 31.00

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc

Schaffer #3

PO Box 47
Great Bend, KS 67530

36-16s-15w Barton KS

Job Ticket: 36098

DST#: 5

ATTN: Bob Schreiber

Test Start: 2009.02.24 @ 06:23:09

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 8.76 in³

Resistivity: ohm.m

Salinity: 3900.00 ppm

Filter Cake: 0.06 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity: 28000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
600.00	Gassy Muddy Water	6.175
20.00	Muddy Water W/Oil Specks	0.281

Total Length: 620.00 ft

Total Volume: 6.456 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

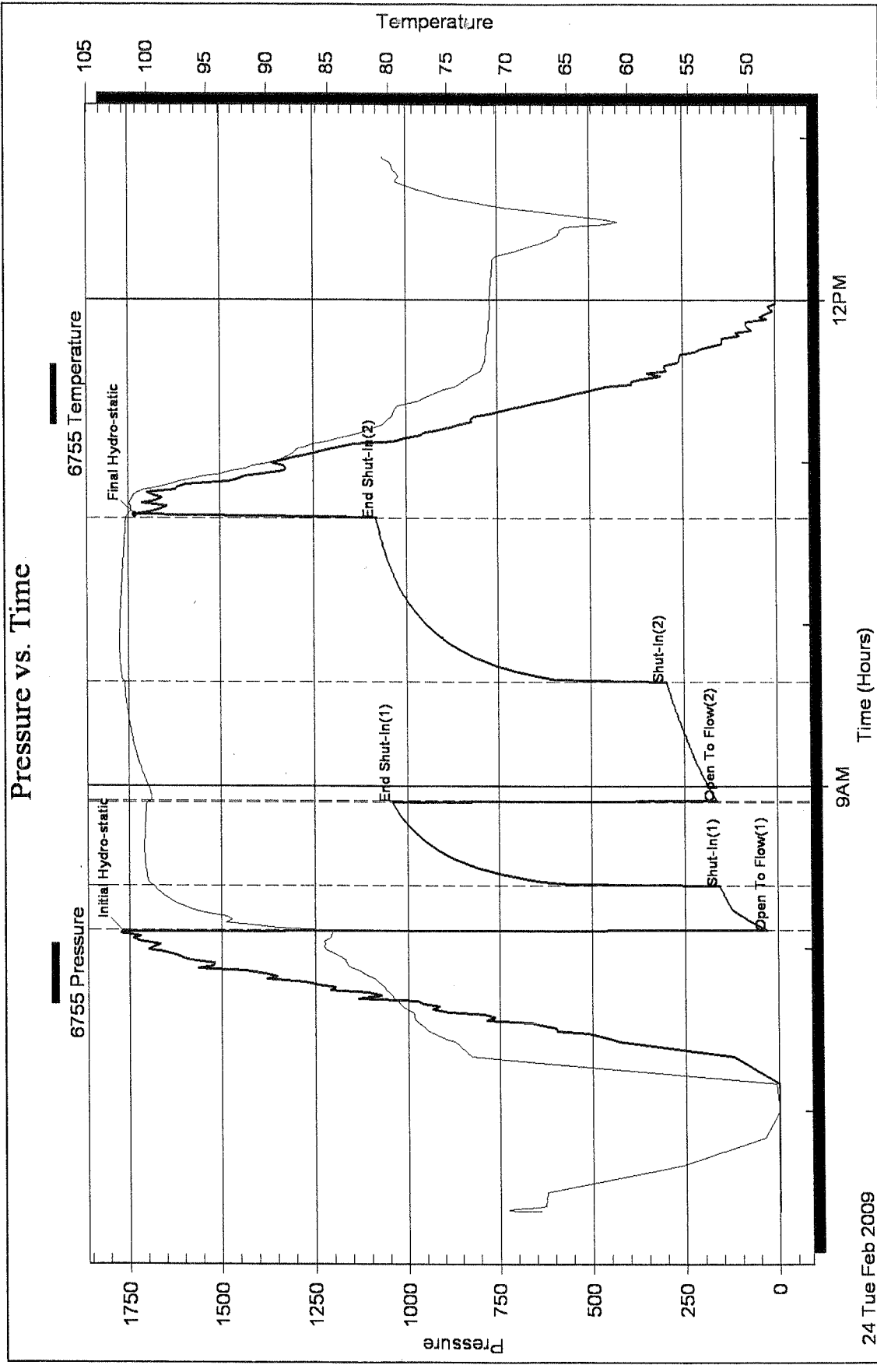
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



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Trilobite Testing, Inc

Ref. No: 36098