

35-4s-30w

ms

Great Plains Energy Inc.

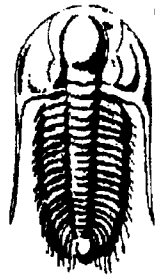
Sauvage #9

35 4s 30w Decatur KS

DST # 1

Toronto - LKC "A"

2008.11.26



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc.**

PO Box 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

35 4s 30w Decatur KS

Sauvage #9

Start Date: 2008.11.26 @ 23:06:00

End Date: 2008.11.27 @ 07:32:00

Job Ticket #: 33295 DST #: 1

15 039 21080-0000

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

Great Plains Energy Inc.

PO Box 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

Sauvage #9

35 4s 30w Decatur KS

Job Ticket: 33295

DST#: 1

Test Start: 2008.11.26 @ 23:06:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**

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

Time Tool Opened: 01:32:30

Time Test Ended: 07:32:00

Test Type: **Conventional Bottom Hole**

Tester: **James Winder**

Unit No: **36**

Interval: **3893.00 ft (KB) To 3957.00 ft (KB) (TVD)**

Total Depth: **3957.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2856.00 ft (KB)**

2851.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: **94.54 psig @ 3894.00 ft (KB)**

Start Date: **2008.11.26**

End Date:

2008.11.27

Capacity: **7000.00 psig**

Last Calib.: **2008.11.27**

Start Time: **23:06:05**

End Time:

07:31:59

Time On Btm: **2008.11.27 @ 01:32:00**

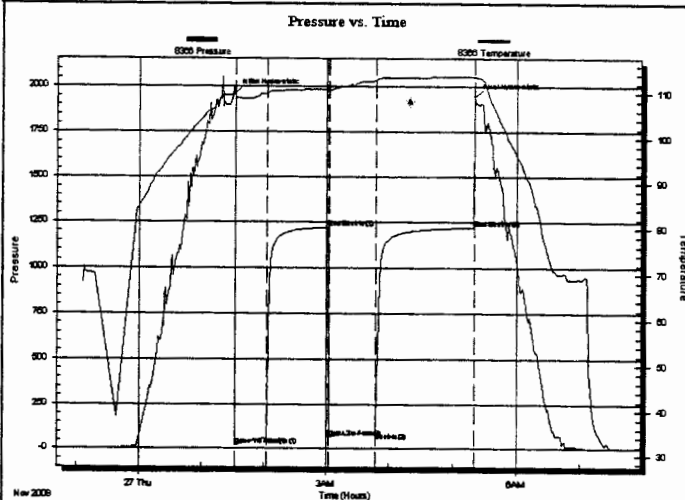
Time Off Btm: **2008.11.27 @ 05:20:30**

TEST COMMENT: IF: Blow built to 3 1/4"

IS: Bled off, No blow back

FF: At 10 min. blow started and built to 3"

FS: Bled off, No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1963.10	109.69	Initial Hydro-static
1	19.02	109.16	Open To Flow (1)
31	64.51	109.90	Shut-In(1)
90	1220.81	110.86	End Shut-In(1)
91	68.17	110.24	Open To Flow (2)
135	94.54	112.66	Shut-In(2)
228	1219.44	113.64	End Shut-In(2)
229	1945.44	113.65	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	WCM w/oil specks 67%w, 33%w	0.60
35.00	Mud w/oil specks 100%w	0.49
0.00	RW = .477 @ 33.3 deg F	0.00
0.00	Chlorides = 30,500 ppm	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc.

Sauvage #9

PO Box 292
Wahoo, NE 68066-0292

35 4s 30w Decatur KS

Job Ticket: 33295

DST#: 1

ATTN: Richard Bell

Test Start: 2008.11.26 @ 23:06:00

Tool Information

Drill Pipe:	Length: 3776.00 ft	Diameter: 3.80 inches	Volume: 52.97 bbl	Tool Weight:	2000.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	65000.00 lb
		Total Volume:	53.57 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	34.00 ft			String Weight: Initial	54000.00 lb
Depth to Top Packer:	3893.00 ft			Final	54000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	92.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3870.00	
HYD S.I. Tool	5.00			3875.00	
Jars	5.00			3880.00	
Safety Joint	3.00			3883.00	
Packer	5.00			3888.00	28.00 Bottom Of Top Packer
Packer	5.00			3893.00	
Stubb	1.00			3894.00	
Recorder	0.00	8366	Inside	3894.00	
Recorder	0.00	8320	Inside	3894.00	
Perforations	22.00			3916.00	
Blank Spacing	33.00			3949.00	
Perforations	5.00			3954.00	
Bullnose	3.00			3957.00	64.00 Bottom Packers & Anchor

Total Tool Length: 92.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc.

Sauvage #9

PO Box 292
Wahoo, NE 68066-0292

35 4s 30w Decatur KS

Job Ticket: 33295 **DST#: 1**

ATTN: Richard Bell

Test Start: 2008.11.26 @ 23:06:00

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: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	WCM w/oil specks 67%m, 33%w	0.605
35.00	Mud w/oil specks 100%m	0.491
0.00	RW = .477 @ 33.3 deg F	0.000
0.00	Chlorides = 30,500 ppm	0.000

Total Length: 158.00 ft

Total Volume: 1.096 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

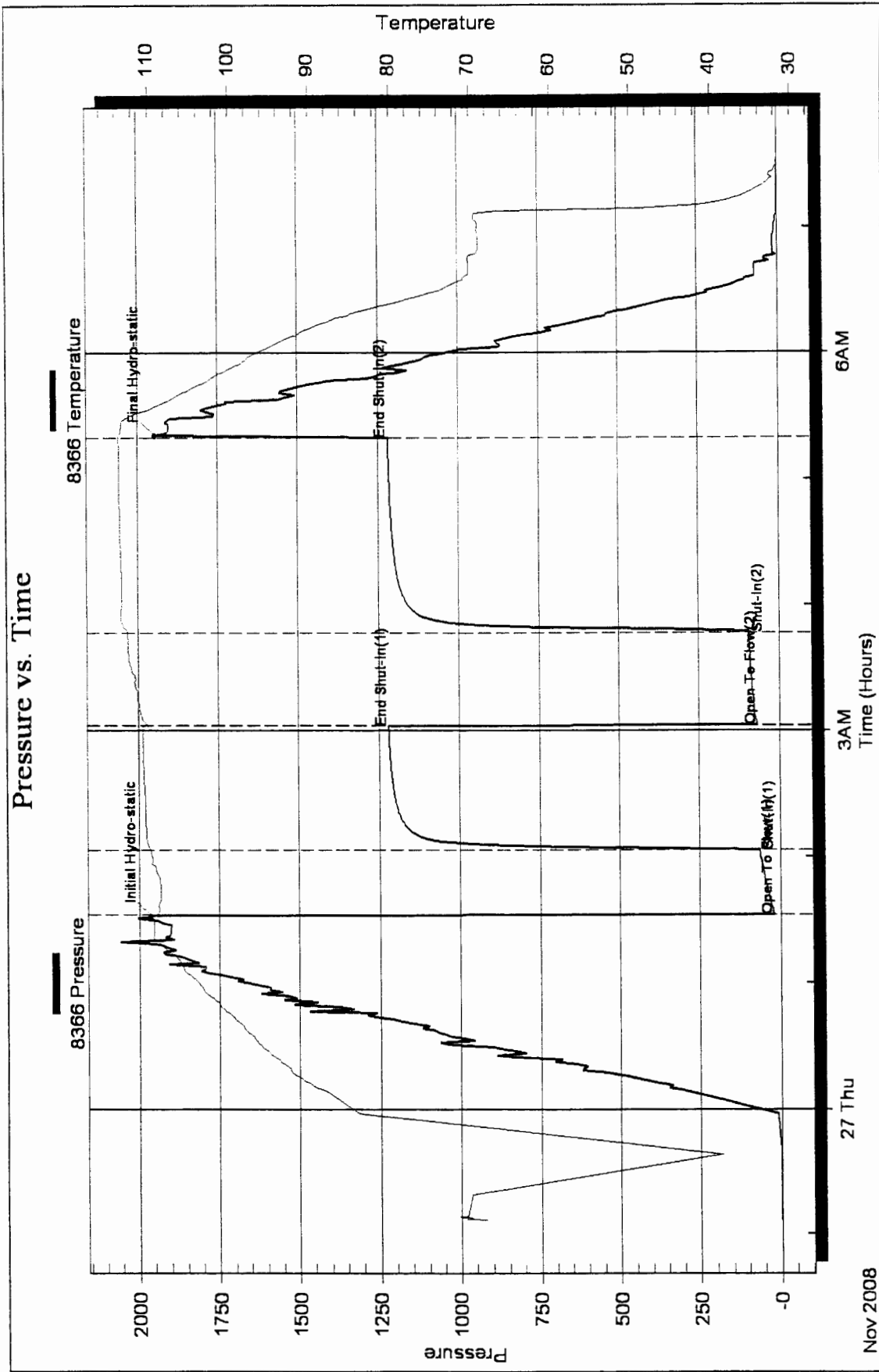
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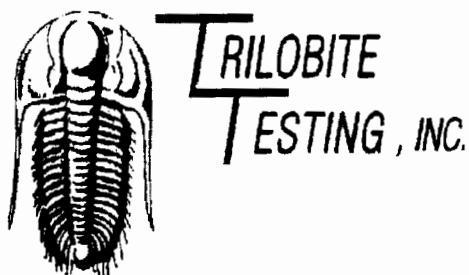
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc.**

PO Box 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

35 4s 30w Decatur KS

Sauvage #9

Start Date: 2008.11.27 @ 14:04:00

End Date: 2008.11.27 @ 20:43:30

Job Ticket #: 33296 DST #: 2

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy Inc.

PO Box 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

Sauvage #9

35 4s 30w Decatur KS

Job Ticket: 33296

DST#: 2

Test Start: 2008.11.27 @ 14:04:00

GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:54:30

Time Test Ended: 20:43:30

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 36

Interval: **3956.00 ft (KB) To 3973.00 ft (KB) (TVD)**

Total Depth: 3973.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2856.00 ft (KB)

2851.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 29.03 psig @ 3957.00 ft (KB)

Start Date: 2008.11.27

End Date:

2008.11.27

Start Time: 14:04:05

End Time:

20:43:29

Capacity: 7000.00 psig

Last Calib.: 2008.11.27

Time On Btm: 2008.11.27 @ 15:54:00

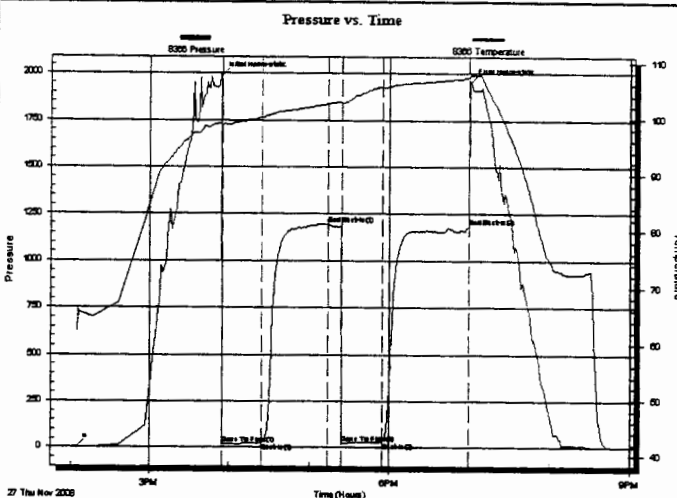
Time Off Btm: 2008.11.27 @ 19:00:59

TEST COMMENT: IF: Blow built to 1"

IS: Bled off, Surface blow back last 15 min. ??

FF: Surface blow through open

FSI: Bled off, No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	-0.12	62.35	a
110	1987.73	99.00	Initial Hydro-static
111	16.97	98.57	Open To Flow (1)
141	22.70	100.23	Shut-In(1)
190	1195.23	102.55	End Shut-In(1)
201	23.85	102.56	Open To Flow (2)
231	29.03	105.56	Shut-In(2)
296	1183.07	107.20	End Shut-In(2)
297	1954.13	107.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Mud w/trace of oil 100% m	0.12

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc.

Sauvage #9

PO Box 292
Wahoo, NE 68066-0292

35 4s 30w Decatur KS

Job Ticket: 33296

DST#: 2

ATTN: Richard Bell

Test Start: 2008.11.27 @ 14:04:00

Tool Information

Drill Pipe: Length: 3838.00 ft Diameter: 3.80 inches Volume: 53.84 bbl
Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl
Drill Collar: Length: 123.00 ft Diameter: 2.25 inches Volume: 0.60 bbl
Total Volume: 54.44 bbl

Tool Weight: 2000.00 lb
Weight set on Packer: 25000.00 lb
Weight to Pull Loose: 74000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 55000.00 lb
Final 55000.00 lb

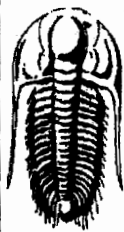
Drill Pipe Above KB: 33.00 ft
Depth to Top Packer: 3956.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 17.00 ft
Tool Length: 45.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3933.00	
HYD S.I. Tool	5.00			3938.00	
Jars	5.00			3943.00	
Safety Joint	3.00			3946.00	
Packer	5.00			3951.00	28.00 Bottom Of Top Packer
Packer	5.00			3956.00	
Stubb	1.00			3957.00	
Recorder	0.00	8366	Inside	3957.00	
Recorder	0.00	8320	Inside	3957.00	
Perforations	13.00			3970.00	
Bullnose	3.00			3973.00	17.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc.

Sauvage #9

PO Box 292
Wahoo, NE 68066-0292

35 4s 30w Decatur KS

Job Ticket: 33296 **DST#: 2**

ATTN: Richard Bell

Test Start: 2008.11.27 @ 14:04:00

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: 54.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Mud w/trace of oil 100% _m	0.123

Total Length: 25.00 ft Total Volume: 0.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

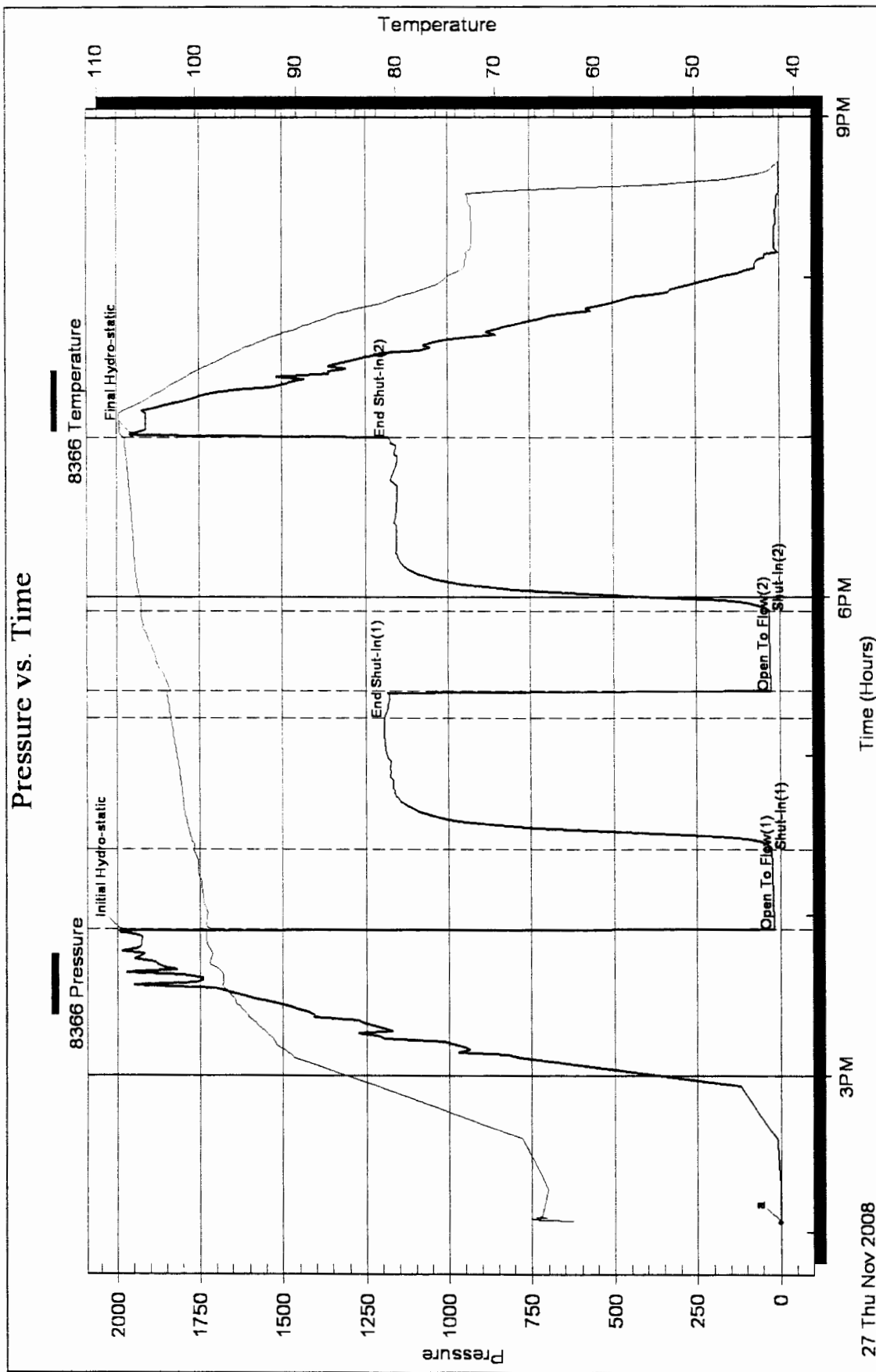
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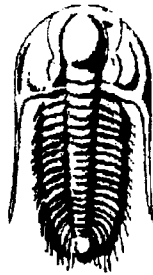
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc.**

PO Box 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

35 4s 30w Decatur KS

Sauvage #9

Start Date: 2008.11.28 @ 06:12:00

End Date: 2008.11.28 @ 14:55:00

Job Ticket #: 33297 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Great Plains Energy Inc.

Sauvage #9

35 4s 30w Decatur KS

DST # 3

LKC "F-G"

2008.11.28

DRILL STEM TEST REPORT

Great Plains Energy Inc.

Sauvage #9

PO Box 292
Wahoo, NE 68066-0292

35 4s 30w Decatur KS

Job Ticket: 33297

DST#: 3

ATTN: Richard Bell

Test Start: 2008.11.28 @ 06:12:00

GENERAL INFORMATION:

Formation: LKC "F-G"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:32:30

Time Test Ended: 14:55:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 36

Interval: 3989.00 ft (KB) To 4026.00 ft (KB) (TVD)

Total Depth: 4026.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2856.00 ft (KB)

2851.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 44.57 psig @ 3990.00 ft (KB)

Start Date: 2008.11.28

End Date:

2008.11.28

Start Time: 06:12:05

End Time:

14:55:00

Capacity: 7000.00 psig

Last Calib.: 2008.11.28

Time On Btrn: 2008.11.28 @ 08:32:00

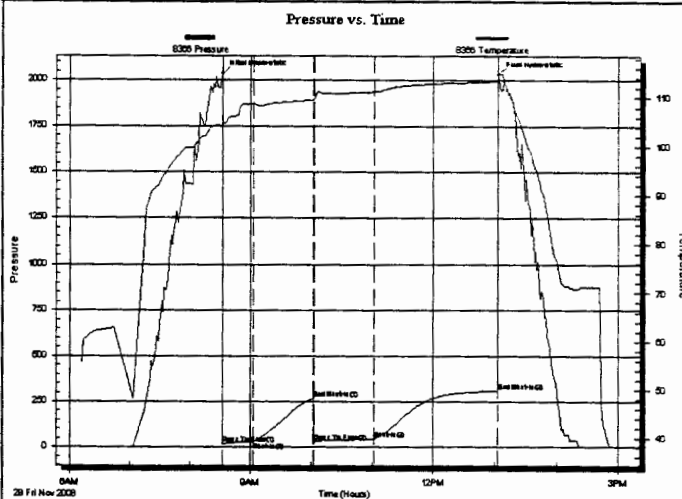
Time Off Btrn: 2008.11.28 @ 13:02:59

TEST COMMENT: IF: Blow built to 2 3/4"

ISI: Bled off, No blow back

FF: Blow started at 2 1/2" and built to 7 1/2"

FSI: Bled off, No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2034.51	104.43	Initial Hydro-static
1	17.86	104.29	Open To Flow (1)
31	29.34	108.73	Shut-In(1)
90	267.86	109.58	End Shut-In(1)
91	27.84	109.87	Open To Flow (2)
150	44.57	111.23	Shut-In(2)
271	308.27	113.45	End Shut-In(2)
271	2030.83	114.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GOM 62%w, 33%o, 5%g	0.30
6.00	Clean Oil 97%o, 3%g	0.03
0.00	60' GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc.

Sauvage #9

PO Box 292
Wahoo, NE 68066-0292

35 4s 30w Decatur KS

Job Ticket: 33297

DST#: 3

ATTN: Richard Bell

Test Start: 2008.11.28 @ 06:12:00

Tool Information

Drill Pipe:	Length: 3870.00 ft	Diameter: 3.80 inches	Volume: 54.29 bbl	Tool Weight:	2000.00 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	54.89 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3989.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	65.00 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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S.I. Tool	5.00		3966.00	
HYD S.I. Tool	5.00		3971.00	
Jars	5.00		3976.00	
Safety Joint	3.00		3979.00	
Packer	5.00		3984.00	28.00 Bottom Of Top Packer
Packer	5.00		3989.00	
Stubb	1.00		3990.00	
Recorder	0.00	8366 Inside	3990.00	
Recorder	0.00	8320 Inside	3990.00	
Perforations	33.00		4023.00	
Bullnose	3.00		4026.00	37.00 Bottom Packers & Anchor

Total Tool Length: 65.00

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc.

Sauvage #9

PO Box 292
Wahoo, NE 68066-0292

35 4s 30w Decatur KS

Job Ticket: 33297

DST#: 3

ATTN: Richard Bell

Test Start: 2008.11.28 @ 06:12:00

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: 62.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GOM 62% _m , 33% _o , 5% _g	0.295
6.00	Clean Oil 97% _o , 3% _g	0.030
0.00	60' GIP	0.000

Total Length: 66.00 ft

Total Volume: 0.325 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

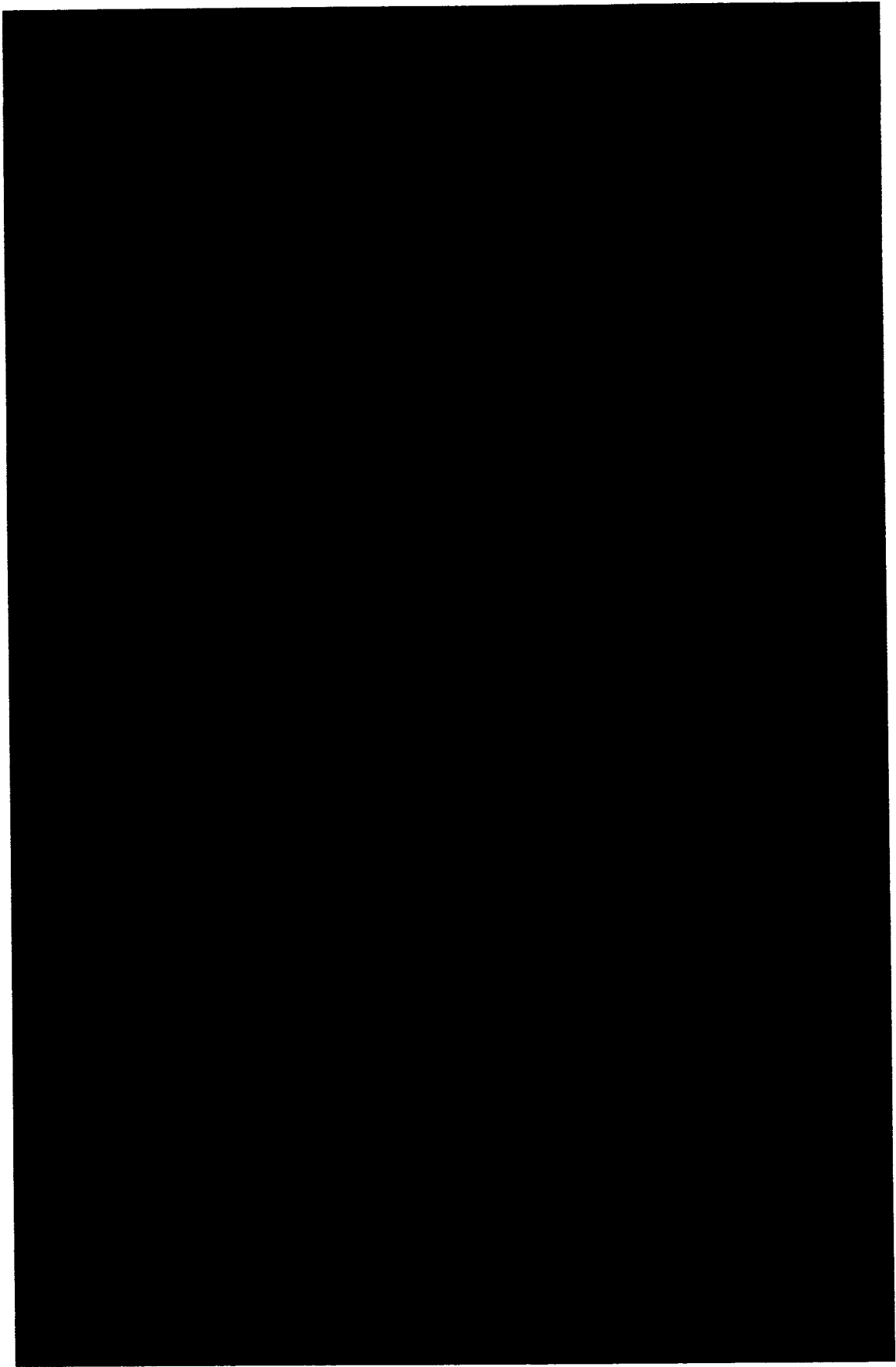
Serial #: 8366

Inside

Great Plains Energy Inc.

35 4s 30w Decatur KS

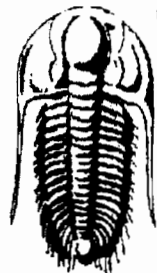
DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 33297

Printed: 2008.12.09 @ 12:23:25 Page 5



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc.**

PO Box 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

35 4s 30w Decatur KS

Sauvage #9

Start Date: 2008.11.29 @ 18:17:30

End Date: 2008.11.30 @ 03:51:30

Job Ticket #: 33298 DST #: 4

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Great Plains Energy Inc.

PO Box 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

Sauvage #9

35 4s 30w Decatur KS

Job Ticket: 33298 DST#: 4

Test Start: 2008.11.29 @ 18:17:30

GENERAL INFORMATION:

Formation: LKC "H, J, K"

Deviated: No Whipstock ft (KB)

Time Tool Opened: 20:31:00

Time Test Ended: 03:51:30

Test Type: Conventional Straddle

Tester: James Winder

Unit No: 36

Interval: 4030.00 ft (KB) To 4120.00 ft (KB) (TVD)

Total Depth: 4200.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2856.00 ft (KB)

2851.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 280.50 psig @ 4031.00 ft (KB)

Start Date: 2008.11.29

End Date: 2008.11.30

Start Time: 18:17:35

End Time: 03:51:30

Capacity: 7000.00 psig

Last Calib.: 2008.11.30

Time On Btm: 2008.11.29 @ 20:30:30

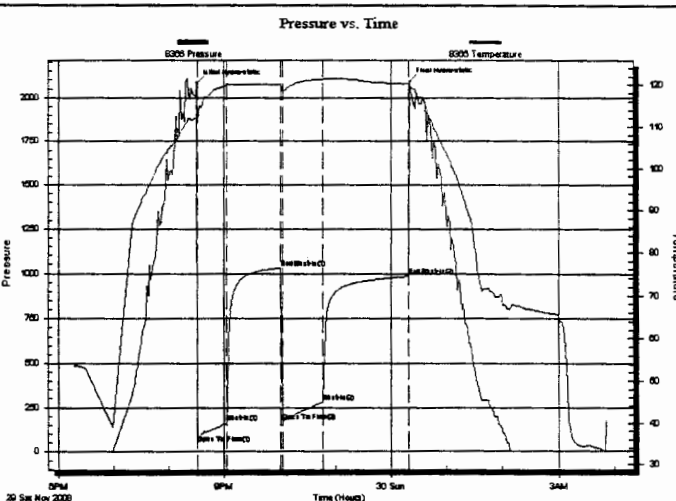
Time Off Btm: 2008.11.30 @ 00:20:29

TEST COMMENT: IF: Blow built to BOB in 8 min.

IS: Bled off, No blow back

FF: Blow built to BOB in 11 1/2 min.

FSI: Bled off, Blow back built to BOB in 45 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2081.54	111.78	Initial Hydro-static
1	46.92	111.06	Open To Flow (1)
33	164.45	119.86	Shut-In (1)
92	1031.33	120.10	End Shut-In (1)
93	174.17	118.32	Open To Flow (2)
137	280.50	121.32	Shut-In (2)
229	985.62	120.26	End Shut-In (2)
230	2090.95	119.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	SOMCW 90%w, 8%m, 2%o	1.49
63.00	SGOMCW 81%w, 13%m, 5%o, 1%g	0.88
126.00	GOCMW 40%w, 33%m, 15%g, 12%o	1.77
126.00	GWCOM 41%w, 32%o, 16%g, 11%w	1.77
103.00	CGO 80%o, 20%g	1.44
0.00	335' GP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc.

Sauvage #9

PO Box 292
Wahoo, NE 68066-0292

35 4s 30w Decatur KS

Job Ticket: 33298

DST#: 4

ATTN: Richard Bell

Test Start: 2008.11.29 @ 18:17:30

Tool Information

Drill Pipe:	Length: 3904.00 ft	Diameter: 3.80 inches	Volume: 54.76 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 35000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 68000.00 lb
		Total Volume: 55.36 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4030.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	4120.00 ft			
Interval between Packers:	90.00 ft			
Tool Length:	198.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

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

S.I. Tool	5.00			4007.00	
HYD S.I. Tool	5.00			4012.00	
Jars	5.00			4017.00	
Safety Joint	3.00			4020.00	
Packer	5.00			4025.00	28.00 Bottom Of Top Packer
Packer	5.00			4030.00	
Stubb	1.00			4031.00	
Recorder	0.00	8366	Inside	4031.00	
Perforations	14.00			4045.00	
Blank Spacing	65.00			4110.00	
Perforations	5.00			4115.00	
Recorder	0.00	7457	Inside	4115.00	
Blank Off Sub	1.00			4116.00	
Blank Spacing	4.00			4120.00	90.00 Tool Interval
Packer	0.00			4120.00	
Stubb	1.00			4121.00	
Perforations	10.00			4131.00	
Recorder	0.00	8320	Inside	4131.00	
Blank Spacing	64.00			4195.00	
Perforations	2.00			4197.00	
Bullnose	3.00			4200.00	80.00 Bottom Packers & Anchor

Total Tool Length: 198.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc.

Sauvage #9

PO Box 292
Wahoo, NE 68066-0292

35 4s 30w Decatur KS

Job Ticket: 33298

DST#: 4

ATTN: Richard Bell

Test Start: 2008.11.29 @ 18:17:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	SOMCW 90%w, 8%m, 2%o	1.489
63.00	SGOMCW 81%w, 13%m, 5%o, 1%g	0.884
126.00	GOCMW 40%w, 33%m, 15%g, 12%o	1.767
126.00	GWCOM 41%m, 32%o, 16%g, 11%w	1.767
103.00	CGO 80%o, 20%g	1.445
0.00	335' GIP	0.000

Total Length: 604.00 ft

Total Volume: 7.352 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 31.6 api @ 34 deg F Corrected Gravity = 34.2 api

RW = .178 @ 38.4 deg F Chlorides = 80,000 ppm

Pressure vs. Time

