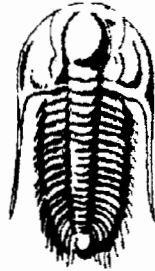


15-109-20819

10-13s-32w
VGS

IND



**TRILOBITE
TESTING, INC.**

Great Plains Energy, Inc.

Wieland #1

10 13 32 Logan,KS

DST # 1

L/KC 'H,I,J,K'

2008.08.20

DRILL STEM TEST REPORT

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

POB 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

10 13 32 Logan,KS

Wieland #1

Start Date: 2008.08.20 @ 06:00:00

End Date: 2008.08.20 @ 13:26:00

Job Ticket #: 32560 DST #: 1

15-109-20819-0000

RECEIVED

SEP 23 2008

KCC WICHITA

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.

POB 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

Wieland #1

10 13 32 Logan,KS

Job Ticket: 32560

DST#: 1

Test Start: 2008.08.20 @ 06:00:00

GENERAL INFORMATION:

Formation: L/KC 'H,I,J,K'

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:17:30

Time Test Ended: 13:26:00

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: 4154.00 ft (KB) To 4270.00 ft (KB) (TVD)

Total Depth: 4270.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3003.00 ft (KB)

2998.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8017 Inside

Press@RunDepth: 53.89 psig @ 4155.00 ft (KB)

Start Date: 2008.08.20

End Date: 2008.08.20

Start Time: 06:00:01

End Time: 13:26:00

Capacity: 7000.00 psig

Last Calib.: 2008.08.20

Time On Btm: 2008.08.20 @ 08:17:15

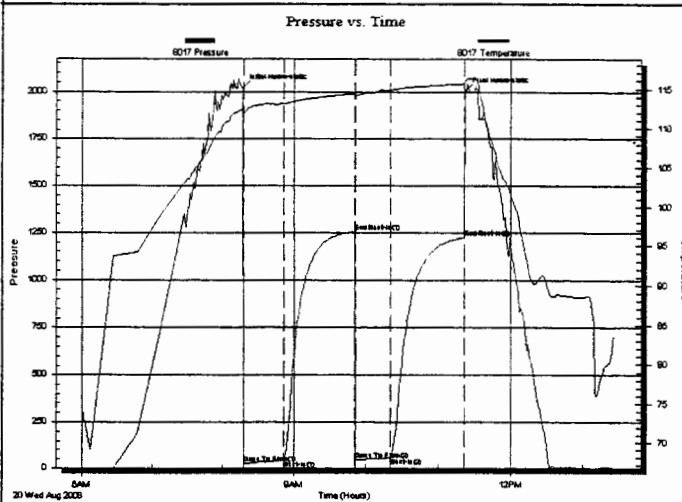
Time Off Btm: 2008.08.20 @ 11:22:15

TEST COMMENT: IF 1 3/4" Blow

ISI No return

FF No blow

FSI No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2017.40	112.38	Initial Hydro-static
1	23.34	111.71	Open To Flow (1)
34	40.07	113.12	Shut-In(1)
94	1255.35	114.38	End Shut-In(1)
95	43.53	114.07	Open To Flow (2)
124	53.89	114.87	Shut-In(2)
184	1226.39	115.65	End Shut-In(2)
185	2002.64	115.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	Oil spotted mud. 100%M	0.30
15.00	Oil scummed mud 100%M	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy, Inc.

Wieland #1

POB 292
Wahoo, NE 68066-0292

10 13 32 Logan,KS

Job Ticket: 32560 **DST#: 1**

ATTN: Richard Bell

Test Start: 2008.08.20 @ 06:00:00

Tool Information

Drill Pipe:	Length: 4034.00 ft	Diameter: 3.80 inches	Volume: 56.59 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 57.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4154.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	116.00 ft			
Tool Length:	144.00 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			4127.00	
Shut In Tool	5.00			4132.00	
Hydraulic tool	5.00			4137.00	
Jars	5.00			4142.00	
Safety Joint	3.00			4145.00	
Packer	5.00			4150.00	28.00 Bottom Of Top Packer
Packer	4.00			4154.00	
Stubb	1.00			4155.00	
Recorder	0.00	8017	Inside	4155.00	
Recorder	0.00	8351	Inside	4155.00	
Perforations	15.00			4170.00	
Change Over Sub	1.00			4171.00	
Drill Pipe	93.00			4264.00	
Change Over Sub	1.00			4265.00	
Bullnose	5.00			4270.00	116.00 Bottom Packers & Anchor

Total Tool Length: 144.00

RECEIVED
SEP 23 2009
KCC WICHITA



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Wieland #1

POB 292
Wahoo, NE 68066-0292

10 13 32 Logan,KS

Job Ticket: 32560 **DST#: 1**

ATTN: Richard Bell

Test Start: 2008.08.20 @ 06:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3600.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

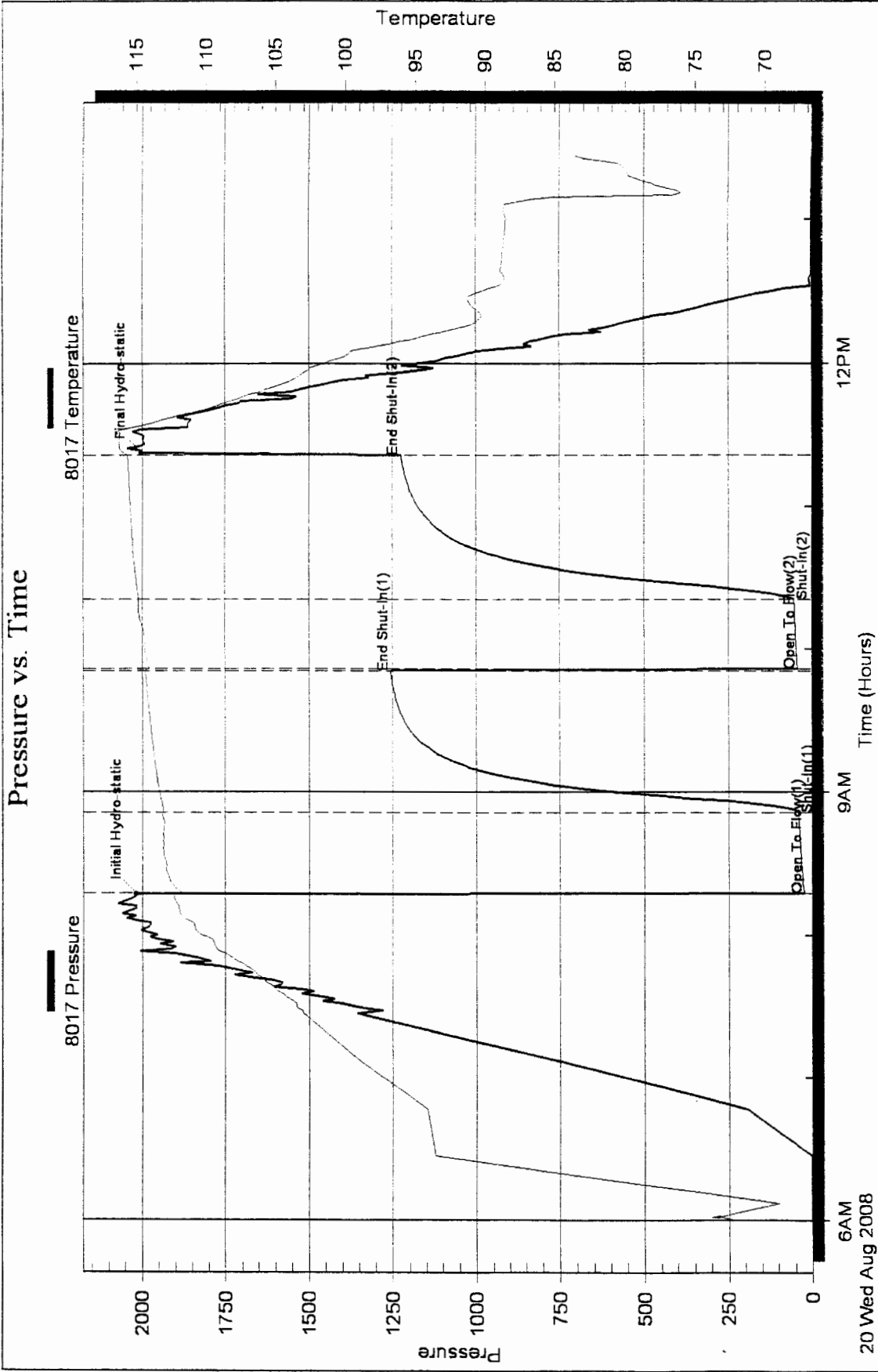
Length ft	Description	Volume bbl
61.00	Oil spotted mud. 100%M	0.300
15.00	Oil scummed mud 100%M	0.074

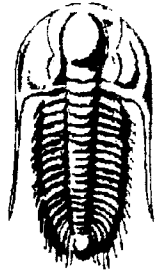
Total Length: 76.00 ft Total Volume: 0.374 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

Great Plains Energy, Inc.

Wieland #1

10 13 32 Logan,KS

DST # 2

LKC 'L'

2008.08.20

DRILL STEM TEST REPORT

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

POB 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

10 13 32 Logan,KS

Wieland #1

Start Date: 2008.08.20 @ 20:39:00

End Date: 2008.08.21 @ 04:10:00

Job Ticket #: 32561 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.

Wieland #1

POB 292
Wahoo, NE 68066-0292

10 13 32 Logan, KS

ATTN: Richard Bell

Job Ticket: 32561

DST#: 2

Test Start: 2008.08.20 @ 20:39:00

GENERAL INFORMATION:

Formation: **LKC 'L'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:16:30

Time Test Ended: 04:10:00

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4267.00 ft (KB) To 4306.00 ft (KB) (TVD)**

Total Depth: 4306.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3003.00 ft (KB)

2998.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8351

Inside

Press@RunDepth: 206.16 psig @ 4268.00 ft (KB)

Start Date: 2008.08.20

End Date:

2008.08.21

Capacity:

7000.00 psig

Start Time: 20:39:01

End Time:

04:10:00

Last Calib.:

2008.08.21

Time On Btm:

2008.08.20 @ 22:16:15

Time Off Btm:

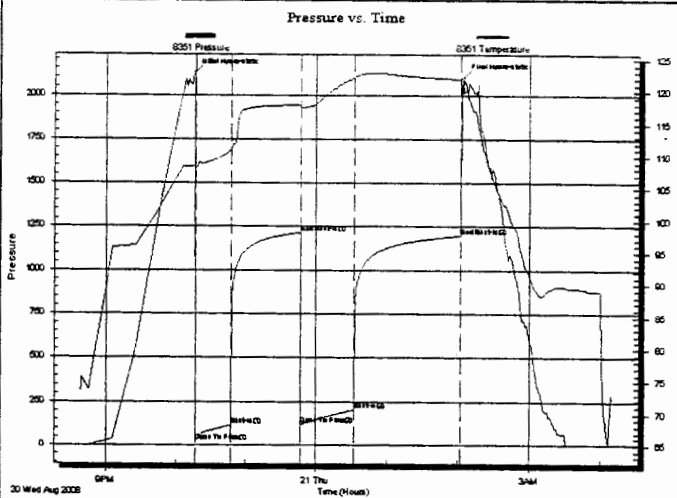
2008.08.21 @ 02:04:45

TEST COMMENT: IF BOB @ 29 min

ISI No return

FF BOB @ 32 min

FSI No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2125.79	108.74	Initial Hydro-static
1	21.62	108.02	Open To Flow (1)
31	118.46	110.97	Shut-in(1)
91	1215.66	117.92	End Shut-in(1)
91	122.31	117.56	Open To Flow (2)
136	206.16	122.18	Shut-in(2)
226	1198.28	122.02	End Shut-in(2)
229	2100.79	119.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
309.00	MCW 30%M 70%W	3.21
62.00	Oil scummed WCM 45%W 55%M	0.87
40.00	SOWCM 1%O 44%W 55%M	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy, Inc.

Wieland #1

POB 292
Wahoo, NE 68066-0292

10 13 32 Logan,KS

Job Ticket: 32561

DST#: 2

ATTN: Richard Bell

Test Start: 2008.08.20 @ 20:39:00

Tool Information

Drill Pipe:	Length: 4129.00 ft	Diameter: 3.80 inches	Volume: 57.92 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 58.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4267.00 ft			Final 85000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	39.00 ft			
Tool Length:	67.00 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			4240.00	
Shut In Tool	5.00			4245.00	
Hydraulic tool	5.00			4250.00	
Jars	5.00			4255.00	
Safety Joint	3.00			4258.00	
Packer	5.00			4263.00	28.00 Bottom Of Top Packer
Packer	4.00			4267.00	
Stubb	1.00			4268.00	
Recorder	0.00	8017	Inside	4268.00	
Recorder	0.00	8351	Inside	4268.00	
Perforations	1.00			4269.00	
Change Over Sub	1.00			4270.00	
Drill Pipe	30.00			4300.00	
Change Over Sub	1.00			4301.00	
Bullnose	5.00			4306.00	39.00 Bottom Packers & Anchor

Total Tool Length: 67.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Wieland #1

POB 292
Wahoo, NE 68066-0292

10 13 32 Logan, KS

ATTN: Richard Bell

Job Ticket: 32561

DST#: 2

Test Start: 2008.08.20 @ 20:39:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 28000 ppm
Viscosity: 63.00 sec/qt	Cushion Volume: bbl	
Water Loss: 6.38 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 4800.00 ppm		
Filter Cake: 2.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
309.00	MCW 30%M 70%W	3.214
62.00	Oil scummedWCM 45%W 55%M	0.870
40.00	SOWCM 1%O 44%W 55%M	0.561

Total Length: 411.00 ft Total Volume: 4.645 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

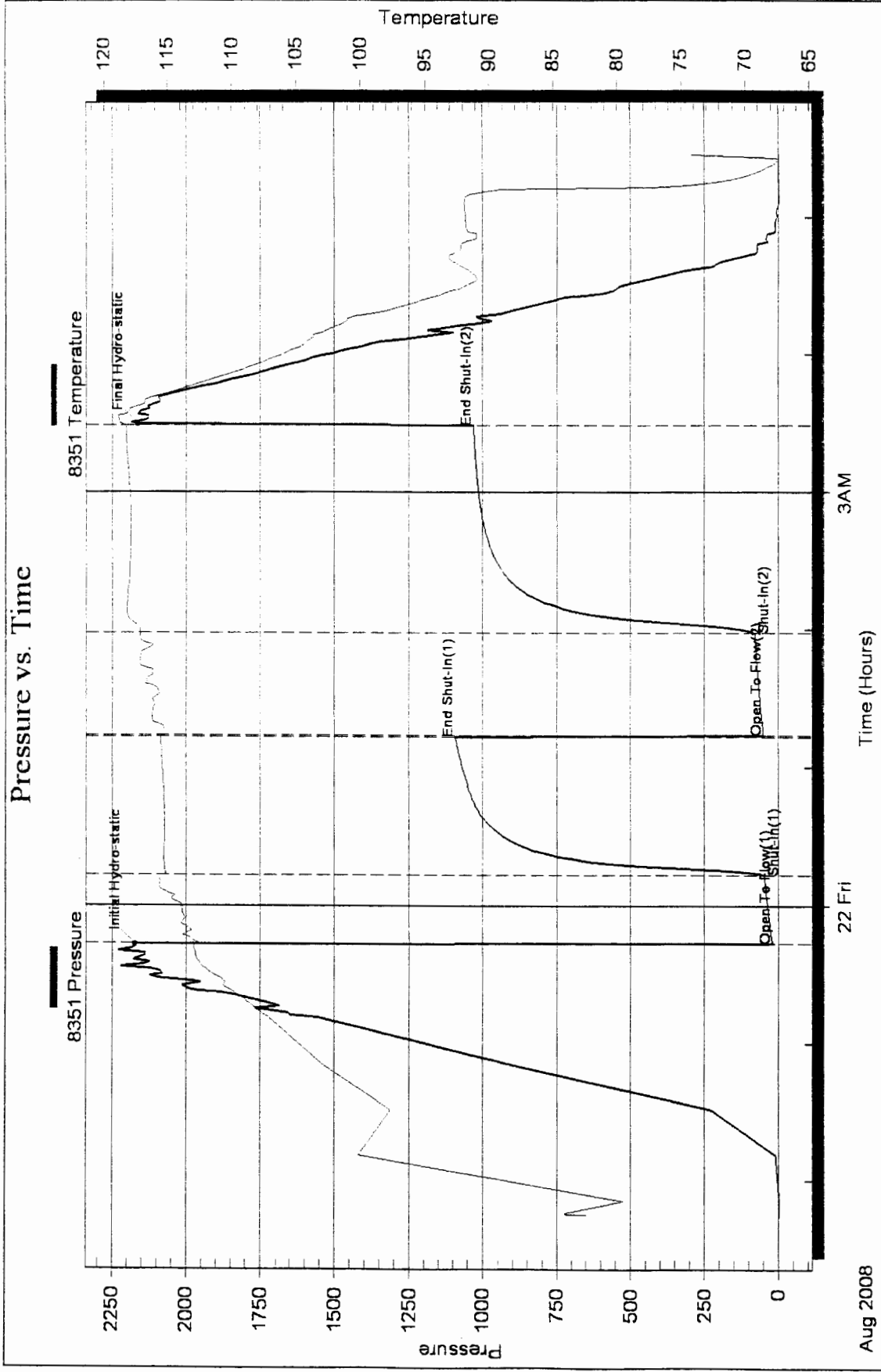
Serial #:

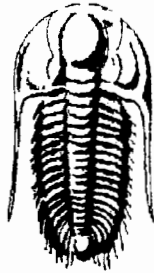
Laboratory Name:

Laboratory Location:

Recovery Comments: RW: .305 @ 60 Degrees F = 28000 chlorides.

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

POB 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

10 13 32 Logan,KS

Wieland #1

Start Date: 2008.08.21 @ 21:44:05

End Date: 2008.08.22 @ 05:26:50

Job Ticket #: 32562 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Great Plains Energy, Inc.

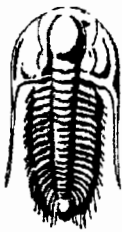
Wieland #1

10 13 32 Logan,KS

DST # 3

Altamont - Pawnee

2008.08.21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy, Inc.

Wieland #1

POB 292
Wahoo, NE 68066-0292

10 13 32 Logan, KS

Job Ticket: 32562 **DST#: 3**

ATTN: Richard Bell

Test Start: 2008.08.21 @ 21:44:05

GENERAL INFORMATION:

Formation: **Altamont - Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:43:20

Time Test Ended: 05:26:50

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4378.00 ft (KB) To 4460.00 ft (KB) (TVD)**

Reference Elevations: 3003.00 ft (KB)

Total Depth: 4460.00 ft (KB) (TVD)

2998.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8351 **Inside**

Press@RunDepth: 77.82 psig @ 4381.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2008.08.21

End Date: 2008.08.22

Last Calib.: 2008.08.22

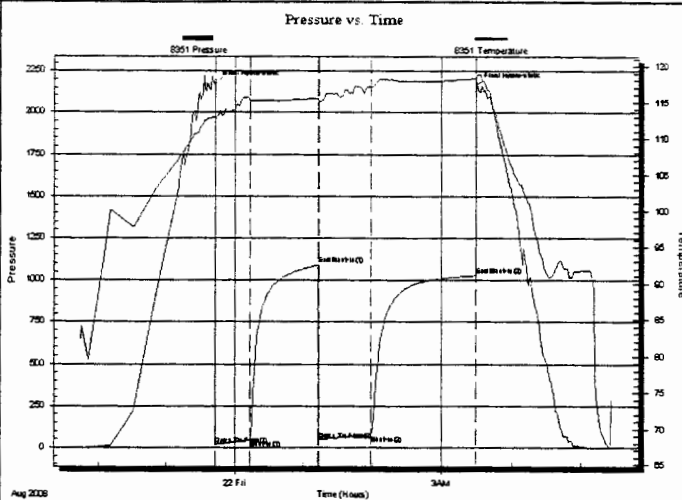
Start Time: 21:44:06

End Time: 05:26:50

Time On Btm: 2008.08.21 @ 23:43:05

Time Off Btm: 2008.08.22 @ 03:29:35

TEST COMMENT: IF 2" Blow
ISI No return
FF 1/2" Blow
FSI No return



PRESSURE SUMMARY

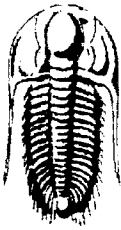
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2172.86	113.00	Initial Hydro-static
1	18.43	112.49	Open To Flow (1)
30	45.29	115.24	Shut-in(1)
90	1091.41	115.54	End Shut-in(1)
91	47.95	115.24	Open To Flow (2)
136	77.82	117.12	Shut-in(2)
226	1028.22	118.26	End Shut-in(2)
227	2161.27	118.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	Oil scummed mud 100%M	0.30
61.00	Oil spotted mud 100%M	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy, Inc.

Wieland #1

POB 292
Wahoo, NE 68066-0292

10 13 32 Logan,KS

Job Ticket: 32562

DST#: 3

ATTN: Richard Bell

Test Start: 2008.08.21 @ 21:44:05

Tool Information

Drill Pipe:	Length: 4254.00 ft	Diameter: 3.80 inches	Volume: 59.67 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 29000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 94000.00 lb
			<u>Total Volume: 60.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4378.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	110.00 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			4351.00	
Shut in Tool	5.00			4356.00	
Hydraulic tool	5.00			4361.00	
Jars	5.00			4366.00	
Safety Joint	3.00			4369.00	
Packer	5.00			4374.00	28.00 Bottom Of Top Packer
Packer	4.00			4378.00	
Stubb	1.00			4379.00	
Perforations	2.00			4381.00	
Recorder	0.00	8017	Inside	4381.00	
Recorder	0.00	8351	Inside	4381.00	
Perforations	10.00			4391.00	
Change Over Sub	1.00			4392.00	
Drill Pipe	62.00			4454.00	
Change Over Sub	1.00			4455.00	
Bullnose	5.00			4460.00	82.00 Bottom Packers & Anchor
Total Tool Length:	110.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Wieland #1

POB 292
Wahoo, NE 68066-0292

10 13 32 Logan, KS

Job Ticket: 32562

DST#: 3

ATTN: Richard Bell

Test Start: 2008.08.21 @ 21:44:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.78 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6700.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	Oil scummed mud 100%M	0.305
61.00	Oil spotted mud 100%M	0.300

Total Length: 123.00 ft Total Volume: 0.605 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

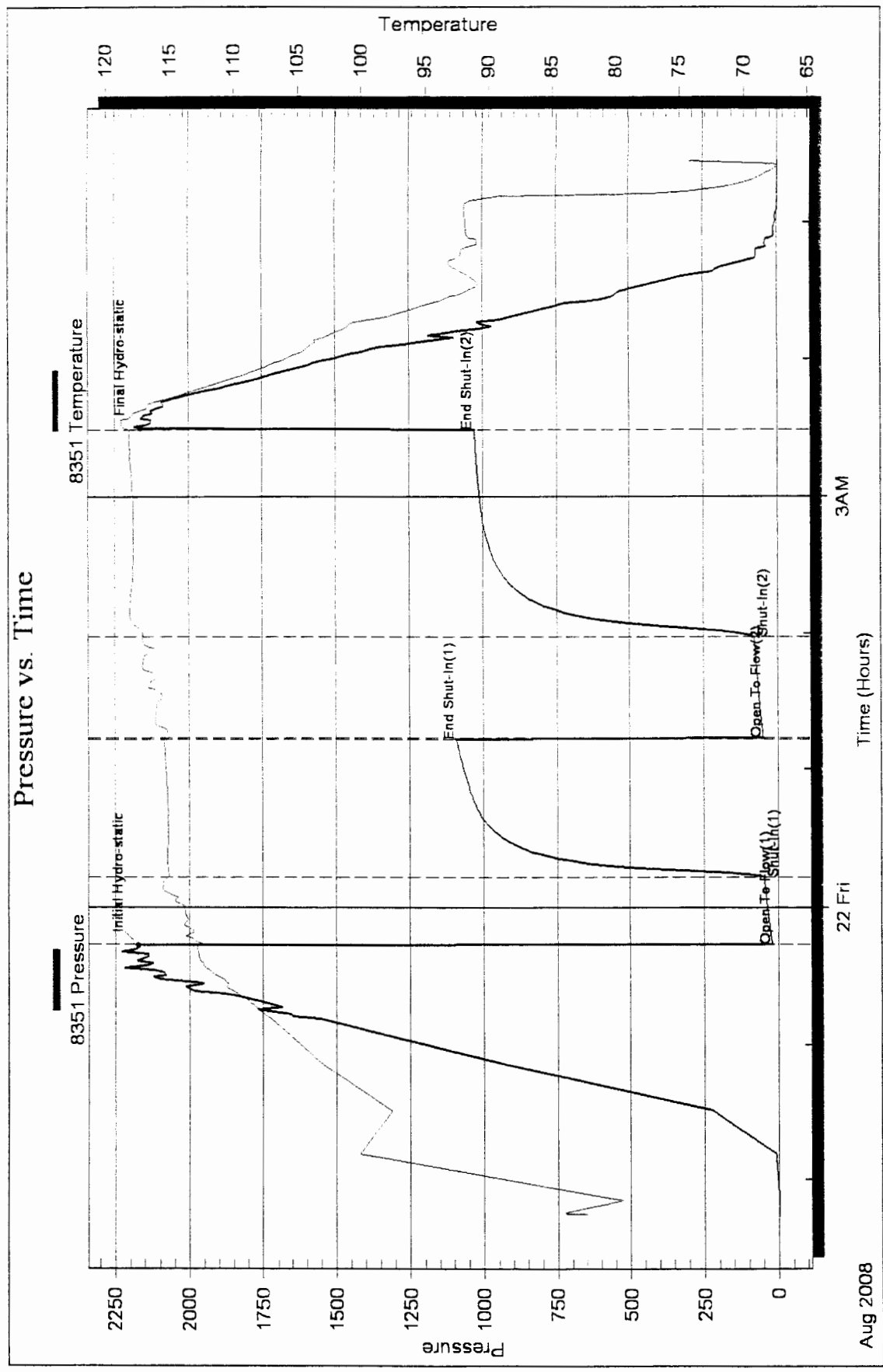
Serial #:

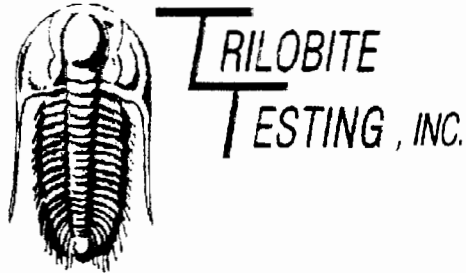
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

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

POB 292
Wahoo, NE 68066-0292

ATTN: Richard Bell

10 13 32 Logan,KS

Wieland #1

Start Date: 2008.08.22 @ 20:07:21

End Date: 2008.08.23 @ 03:02:51

Job Ticket #: 32563 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.

Wieland #1

POB 292
Wahoo, NE 68066-0292

10 13 32 Logan, KS

ATTN: Richard Bell

Job Ticket: 32563

DST#: 4

Test Start: 2008.08.22 @ 20:07:21

GENERAL INFORMATION:

Formation: **Myrik St.- Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:01:36

Time Test Ended: 03:02:51

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **4456.00 ft (KB) To 4585.00 ft (KB) (TVD)**

Reference Elevations: 3003.00 ft (KB)

Total Depth: 4585.00 ft (KB) (TVD)

2998.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8017 Inside

Press@RunDepth: 75.36 psig @ 4460.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2008.08.22

End Date: 2008.08.23

Last Calib.: 2008.08.23

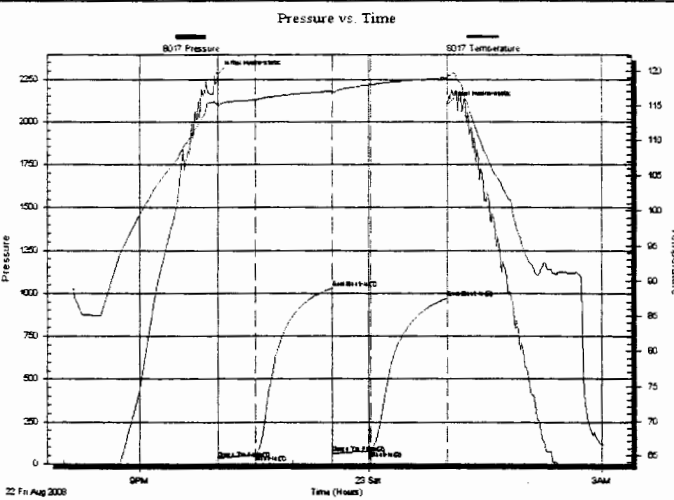
Start Time: 20:07:22

End Time: 03:02:51

Time On Btm: 2008.08.22 @ 22:01:21

Time Off Btm: 2008.08.23 @ 01:01:36

TEST COMMENT: IF 2" Blow
ISI No return
FF No blow
FSI No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2283.71	115.34	Initial Hydro-static
1	26.80	114.65	Open To Flow (1)
30	52.88	115.84	Shut-In(1)
90	1027.96	117.07	End Shut-In(1)
90	58.62	116.80	Open To Flow (2)
120	75.36	117.99	Shut-In(2)
180	971.86	118.97	End Shut-In(2)
181	2102.42	119.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCM 1%O 99%M	0.30
48.00	Oil scummed mud 100%M	0.24

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy, Inc.

Wieland #1

POB 292
Wahoo, NE 68066-0292

10 13 32 Logan,KS

Job Ticket: 32563

DST#: 4

ATTN: Richard Bell

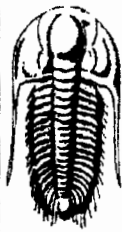
Test Start: 2008.08.22 @ 20:07:21

Tool Information

Drill Pipe:	Length: 4316.00 ft	Diameter: 3.80 inches	Volume: 60.54 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 61.14 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4456.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	129.00 ft			
Tool Length:	157.00 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			4429.00	
Shut In Tool	5.00			4434.00	
Hydraulic tool	5.00			4439.00	
Jars	5.00			4444.00	
Safety Joint	3.00			4447.00	
Packer	5.00			4452.00	28.00 Bottom Of Top Packer
Packer	4.00			4456.00	
Stubb	1.00			4457.00	
Perforations	3.00			4460.00	
Recorder	0.00	8017	Inside	4460.00	
Recorder	0.00	8351	Inside	4460.00	
Perforations	25.00			4485.00	
Change Over Sub	1.00			4486.00	
Drill Pipe	93.00			4579.00	
Change Over Sub	1.00			4580.00	
Bullnose	5.00			4585.00	129.00 Bottom Packers & Anchor
Total Tool Length:	157.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Wieland #1

POB 292
Wahoo, NE 68066-0292

10 13 32 Logan,KS

Job Ticket: 32563

DST#: 4

ATTN: Richard Bell

Test Start: 2008.08.22 @ 20:07:21

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.18 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6400.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	SOCM 1%O 99%M	0.305
48.00	Oil scummed mud 100%M	0.236

Total Length: 110.00 ft Total Volume: 0.541 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

