

15-039-21013

Great Plains Energy Inc

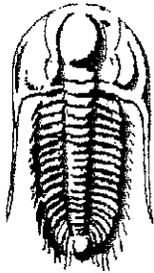
Wasson Brothers Farms #7

36 4 30W Decatur KS

DST # 1

Toronto

2007.08.24



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

PO Box 292
Wahoo NE 68066

ATTN: Richard Bell

36 4 30W Decatur KS

Wasson Brothers Farms #7

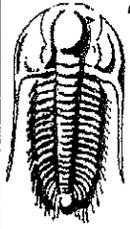
Start Date: 2007.08.24 @ 01:03:00

End Date: 2007.08.24 @ 08:16:30

Job Ticket #: 27849 DST #: 1

15-039-21013
NW SW NE NW
970 FNL 1530 FWL

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

ATTN: Richard Bell

Job Ticket: 27849 **DST#: 1**

Test Start: 2007.08.24 @ 01:03:00

GENERAL INFORMATION:

Formation: **Toronto**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:52:45
 Time Test Ended: 08:16:30

Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37

Interval: **3854.00 ft (KB) To 3900.00 ft (KB) (TVD)**
 Total Depth: 3900.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2830.00 ft (KB)
 2825.00 ft (CF)
 KB to GR/CF: 5.00 ft

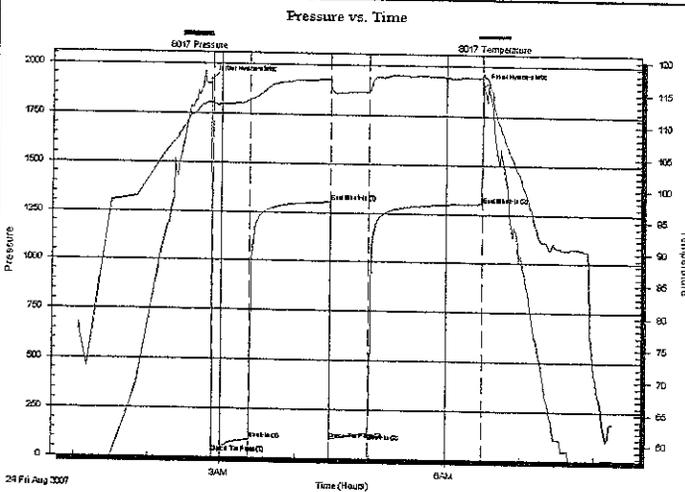
Serial #: 8017

Inside

Press@RunDepth: 131.96 psig @ 3857.00 ft (KB)
 Start Date: 2007.08.24 End Date: 2007.08.24
 Start Time: 01:03:01 End Time: 08:16:30

Capacity: 7000.00 psig
 Last Calib.: 2007.08.24
 Time On Btm: 2007.08.24 @ 02:51:45
 Time Off Btm: 2007.08.24 @ 06:30:15

TEST COMMENT: IF Blow built to 8 1/2 "
 ISI No return
 FF Blow built to 5 "
 FSI No return



PRESSURE SUMMARY

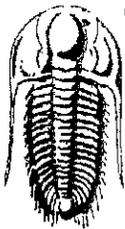
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1919.40	113.50	Initial Hydro-static
1	20.22	112.97	Open To Flow (1)
31	93.67	113.59	Shut-In(1)
96	1305.04	117.05	End Shut-In(1)
97	97.88	116.38	Open To Flow(2)
127	131.96	115.19	Shut-In(2)
218	1303.81	117.54	End Shut-In(2)
219	1899.59	117.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	MCW 25%M 75%W	0.60
120.00	MCW 15%M 85%W	1.68

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

Job Ticket: 27849

DST#: 1

ATTN: Richard Bell

Test Start: 2007.08.24 @ 01:03:00

Tool Information

Drill Pipe:	Length: 3719.00 ft	Diameter: 3.80 inches	Volume: 52.17 bbl	Tool Weight: 1800.00 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: 60000.00 lb
		Total Volume: 52.77 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3854.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	74.00 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			3827.00	
Shut In Tool	5.00			3832.00	
Hydraulic tool	5.00			3837.00	
Jars	5.00			3842.00	
Safety Joint	3.00			3845.00	
Packer	5.00			3850.00	28.00 Bottom Of Top Packer
Packer	4.00			3854.00	
Stubb	1.00			3855.00	
Perforations	2.00			3857.00	
Recorder	0.00	8017	inside	3857.00	
Perforations	5.00			3862.00	
Change Over Sub	1.00			3863.00	
Drill Pipe	31.00			3894.00	
Change Over Sub	1.00			3895.00	
Recorder	0.00	13309	inside	3895.00	
Bullnose	5.00			3900.00	46.00 Bottom Packers & Anchor
Total Tool Length:	74.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

Job Ticket: 27849

DST#: 1

ATTN: Richard Bell

Test Start: 2007.08.24 @ 01:03:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 6.78 in³

Resistivity: 0.00 ohm.m

Salinity: 600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

0 deg API

17000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	MCW 25%M 75%W	0.605
120.00	MCW 15%M 85%W	1.683

Total Length: 243.00 ft Total Volume: 2.288 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

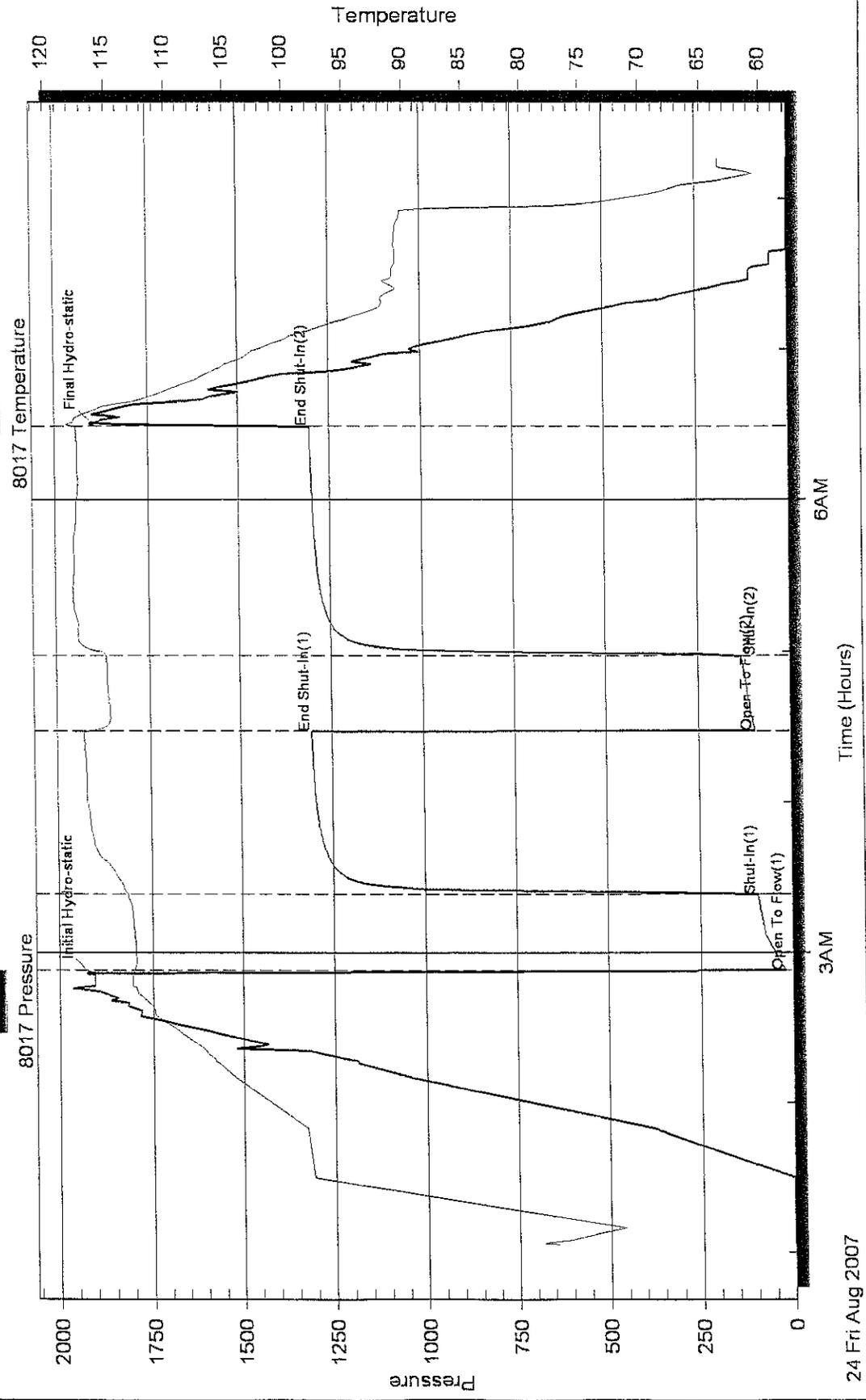
Serial #:

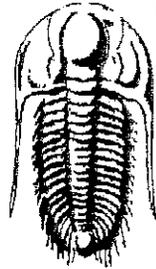
Laboratory Name:

Laboratory Location:

Recovery Comments: RW; .486 @ 62 degrees F = 17000 chlorides.

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

PO Box 292
Wahoo NE 68066

ATTN: Richard Bell

36 4 30W Decatur KS

Wasson Brothers Farms #7

Start Date: 2007.08.24 @ 15:17:00

End Date: 2007.08.24 @ 21:00:00

Job Ticket #: 27850 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Great Plains Energy Inc

Wasson Brothers Farms #7

36 4 30W Decatur KS

DST # 2

LKC "A"

2007.08.24



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

ATTN: Richard Bell

Job Ticket: 27850

DST#: 2

Test Start: 2007.08.24 @ 15:17:00

GENERAL INFORMATION:

Formation: **LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:50:45
 Time Test Ended: 21:00:00

Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37

Interval: **3900.00 ft (KB) To 3920.00 ft (KB) (TVD)**
 Total Depth: 3920.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2830.00 ft (KB)
 2825.00 ft (CF)
 KB to GR/CF: 5.00 ft

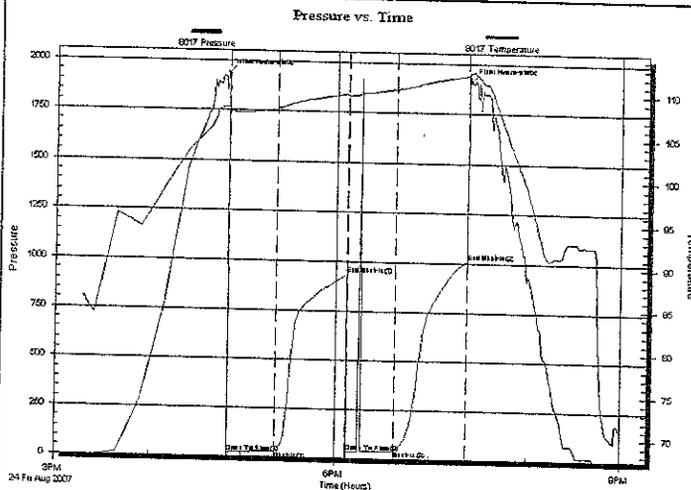
Serial #: 8017

Inside

Press@RunDepth: 40.37 psig @ 3905.00 ft (KB)
 Start Date: 2007.08.24 End Date: 2007.08.24
 Start Time: 15:17:01 End Time: 21:00:00

Capacity: 7000.00 psig
 Last Calib.: 2007.08.24
 Time On Btm: 2007.08.24 @ 16:49:45
 Time Off Btm: 2007.08.24 @ 19:23:45

TEST COMMENT: IF Weak surface blow
 ISI No return
 FF No blow flushed tool @ 7 min. no blow
 FSI No return



PRESSURE SUMMARY

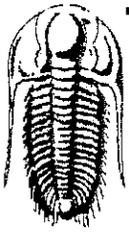
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1935.66	108.32	Initial Hydro-static
1	19.44	107.33	Open To Flow (1)
32	29.78	108.06	Shut-In(1)
77	935.89	109.90	End Shut-In(1)
78	31.64	109.68	Open To Flow (2)
109	40.37	110.56	Shut-In(2)
153	1011.30	112.18	End Shut-In(2)
154	1908.56	112.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 4%O 96%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

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

Job Ticket: 27850

DST#: 2

ATTN: Richard Bell

Test Start: 2007.08.24 @ 15:17:00

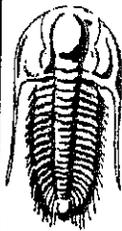
Tool Information

Drill Pipe:	Length: 3778.00 ft	Diameter: 3.80 inches	Volume: 53.00 bbl	Tool Weight: 1800.00 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: 59000.00 lb
		Total Volume: 53.60 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3900.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 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	
Perforations	4.00			3905.00	
Recorder	0.00	8017	Inside	3905.00	
Perforations	10.00			3915.00	
Recorder	0.00	13309	Inside	3915.00	
Bullnose	5.00			3920.00	20.00 Bottom Packers & Anchor

Total Tool Length: 48.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

ATTN: Richard Bell

Job Ticket: 27850 **DST#: 2**

Test Start: 2007.08.24 @ 15:17:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt			
Water Loss: 6.78 in ³			
Resistivity: 0.00 ohm.m			
Salinity: 1200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OCM 4%O 96%M	0.074

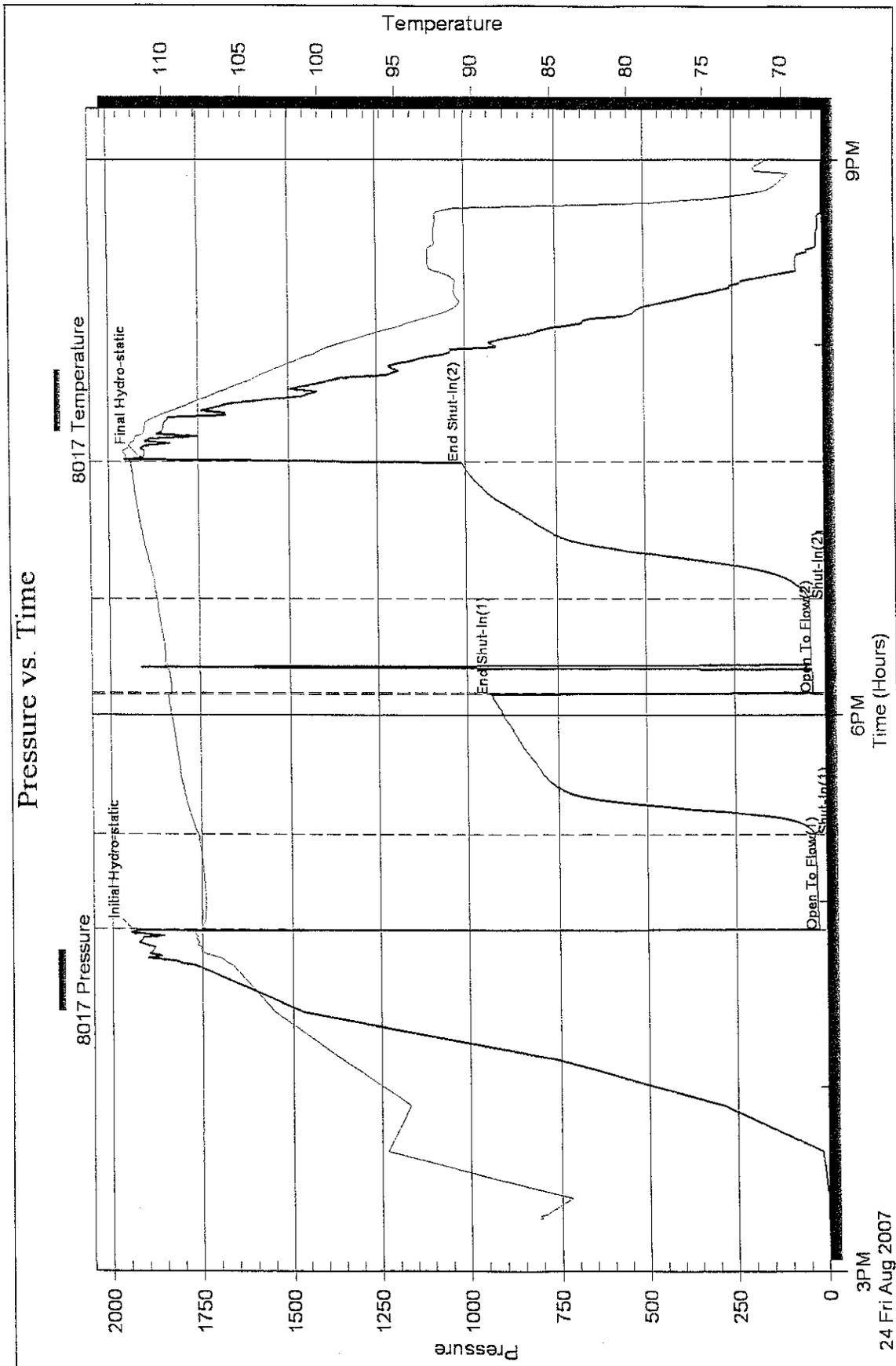
Total Length: 15.00 ft Total Volume: 0.074 bbl

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**

PO Box 292
Wahoo NE 68066

ATTN: Richard Bell

36 4 30W Decatur KS

Wasson Brothers Farms #7

Start Date: 2007.08.25 @ 03:18:00

End Date: 2007.08.25 @ 10:33:15

Job Ticket #: 28726 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Great Plains Energy Inc

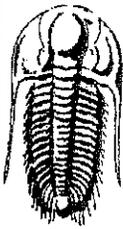
Wasson Brothers Farms #7

36 4 30W Decatur KS

DST # 3

LKC "B"

2007.08.25



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Great Plains Energy Inc

PO Box 292
Wahoo NE 68066

ATTN: Richard Bell

Wasson Brothers Farms #7

36 4 30W Decatur KS

Job Ticket: 28726

DST#: 3

Test Start: 2007.08.25 @ 03:18:00

GENERAL INFORMATION:

Formation: **LKC "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:48:00

Time Test Ended: 10:33:15

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **3920.00 ft (KB) To 3942.00 ft (KB) (TVD)**

Total Depth: 3942.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2830.00 ft (KB)

2825.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8017 Inside

Press@RunDepth: 69.13 psig @ 3923.00 ft (KB)

Start Date: 2007.08.25

End Date:

2007.08.25

Capacity: 7000.00 psig

Start Time: 03:18:01

End Time:

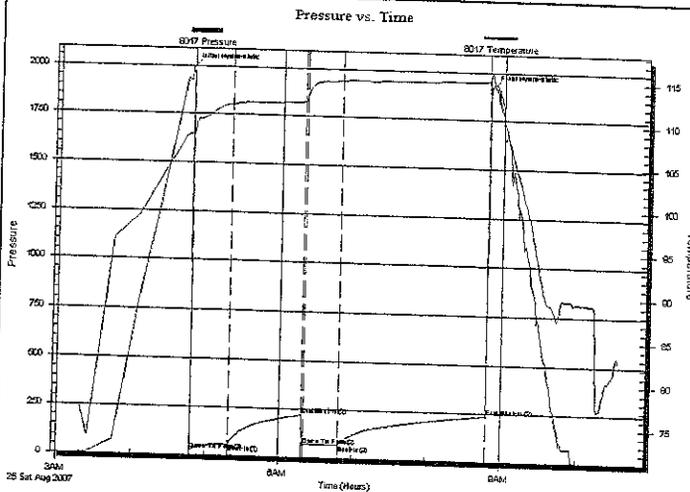
10:33:15

Last Calib.: 2007.08.25

Time On Btm: 2007.08.25 @ 04:46:15

Time Off Btm: 2007.08.25 @ 08:50:00

TEST COMMENT: IF Blow built to 9 1/2 "
ISI Weak return died @ 34 min.
FF Blow built to 8 "
FSI Weak return died @ 40 min.



PRESSURE SUMMARY

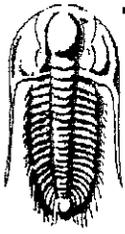
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1994.57	108.18	Initial Hydro-static
2	22.38	108.11	Open To Flow (1)
33	58.94	111.62	Shut-In (1)
93	220.18	112.14	End Shut-In (1)
94	62.11	112.85	Open To Flow (2)
123	69.13	114.75	Shut-In (2)
243	236.41	115.02	End Shut-In (2)
244	1919.93	116.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	GOCM 10%G 35%O 55%M	0.60
32.00	GO 10%G 90%O	0.45

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

Job Ticket: 28726

DST#: 3

ATTN: Richard Bell

Test Start: 2007.08.25 @ 03:18:00

Tool Information

Drill Pipe:	Length: 3782.00 ft	Diameter: 3.80 inches	Volume: 53.05 bbl	Tool Weight: 1800.00 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: 69000.00 lb
			<u>Total Volume: 53.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3920.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	50.00 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			3893.00	
Shut In Tool	5.00			3898.00	
Hydraulic tool	5.00			3903.00	
Jars	5.00			3908.00	
Safety Joint	3.00			3911.00	
Packer	5.00			3916.00	28.00 Bottom Of Top Packer
Packer	4.00			3920.00	
Stubb	1.00			3921.00	
Perforations	2.00			3923.00	
Recorder	0.00	8017	Inside	3923.00	
Perforations	14.00			3937.00	
Recorder	0.00	13309	Inside	3937.00	
Bullnose	5.00			3942.00	22.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

Job Ticket: 28726 **DST#: 3**

ATTN: Richard Bell

Test Start: 2007.08.25 @ 03:18:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 6.77 in⁹

Resistivity: 0.00 ohm.m

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbf

psig

Oil API:

Water Salinity:

28 deg API

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
123.00	GOOM 10%G 35%O 55%M	0.605
32.00	GO 10%G 90%O	0.449

Total Length: 155.00 ft

Total Volume: 1.054 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

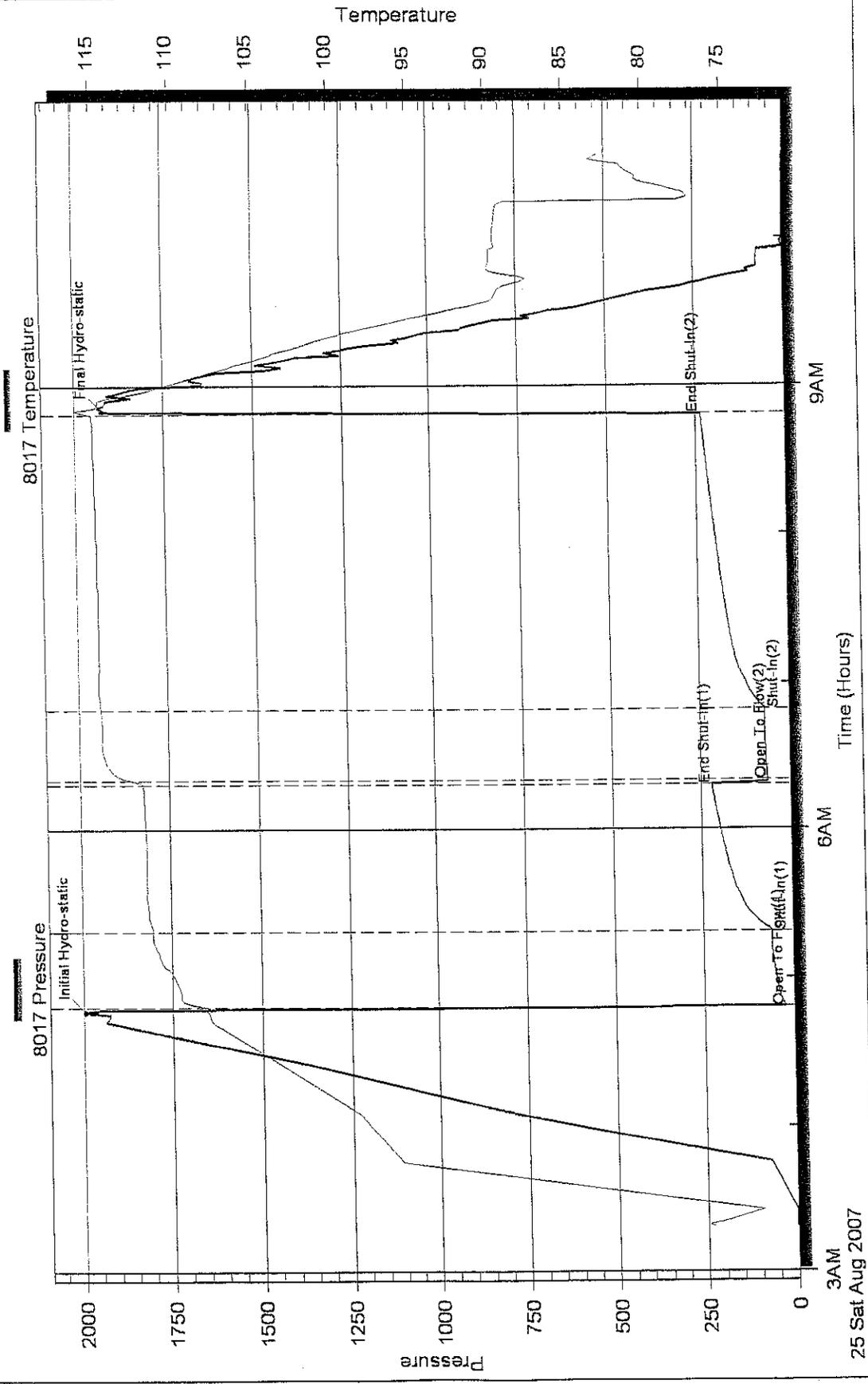
Laboratory Name:

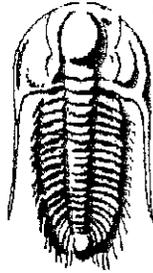
Laboratory Location:

Recovery Comments: 125' GIP

API: 31 @ 90 degrees F = 28

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

PO Box 292
Wahoo NE 68066

ATTN: Richard Bell

36 4 30W Decatur KS

Wasson Brothers Farms #7

Start Date: 2007.08.25 @ 17:49:00

End Date: 2007.08.26 @ 02:10:45

Job Ticket #: 28728 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Plains Energy Inc

Wasson Brothers Farms #7

36 4 30W Decatur KS

DST # 4

LKC "F"

2007.08.25



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Great Plains Energy Inc

PO Box 292
Wahoo NE 68066

ATTN: Richard Bell

Wasson Brothers Farms #7

36 4 30W Decatur KS

Job Ticket: 28728

DST#: 4

Test Start: 2007.08.25 @ 17:49:00

GENERAL INFORMATION:

Formation: **LKC "F"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:16:15
 Time Test Ended: 02:10:45

Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37

Interval: **3968.00 ft (KB) To 3985.00 ft (KB) (TVD)**
 Total Depth: 3985.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2830.00 ft (KB)
 2825.00 ft (CF)
 KB to GR/CF: 5.00 ft

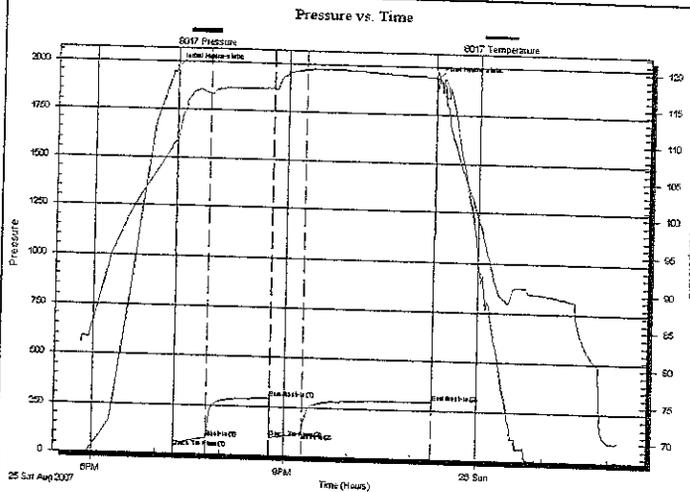
Serial #: 8017

Inside

Press@RunDepth: 118.60 psig @ 3971.00 ft (KB)
 Start Date: 2007.08.25 End Date:
 Start Time: 17:49:01 End Time:

Capacity: 7000.00 psig
 Last Calib.: 2007.08.26
 Time On Btm: 2007.08.25 @ 19:15:15
 Time Off Btm: 2007.08.25 @ 23:19:45

TEST COMMENT: IF BOB @ 14 min.
 ISI Return built to 6 "
 FF BOB @ 8 1/2 min.
 FSI Return built to 8 1/2 "



PRESSURE SUMMARY

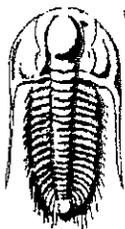
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1970.81	109.56	Initial Hydro-static
1	29.80	109.16	Open To Flow (1)
31	82.78	116.17	Shut-In(1)
91	291.82	117.06	End Shut-In(1)
92	92.88	116.91	Open To Flow (2)
122	118.60	119.74	Shut-In(2)
244	293.01	119.08	End Shut-In(2)
245	1936.77	119.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	GMCO 15%G 35%M 50%O	0.60
158.00	GO 20%G 80%O	2.22

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

Job Ticket: 28728

DST#: 4

ATTN: Richard Bell

Test Start: 2007.08.25 @ 17:49:00

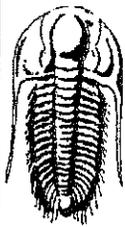
Tool Information

Drill Pipe:	Length: 3845.00 ft	Diameter: 3.80 inches	Volume: 53.94 bbl	Tool Weight: 1800.00 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: 72000.00 lb
			<u>Total Volume: 54.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3968.00 ft			Final 51000.00 lb
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
Change Over Sub	1.00			3941.00	
Shut In Tool	5.00			3946.00	
Hydraulic tool	5.00			3951.00	
Jars	5.00			3956.00	
Safety Joint	3.00			3959.00	
Packer	5.00			3964.00	28.00 Bottom Of Top Packer
Packer	4.00			3968.00	
Stubb	1.00			3969.00	
Perforations	2.00			3971.00	
Recorder	0.00	8017	Inside	3971.00	
Perforations	9.00			3980.00	
Recorder	0.00	13309	Inside	3980.00	
Bulinose	5.00			3985.00	17.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

Job Ticket: 28728 **DST#: 4**

ATTN: Richard Bell

Test Start: 2007.08.25 @ 17:49:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	32 deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	0 ppm
Viscosity: 51.00 sec/qt			
Water Loss: 6.39 in ³			
Resistivity: 0.00 ohm.m			
Salinity: 1200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	GMCO 15%G 35%M 50%O	0.605
158.00	GO 20%G 80%O	2.216

Total Length: 281.00 ft Total Volume: 2.821 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

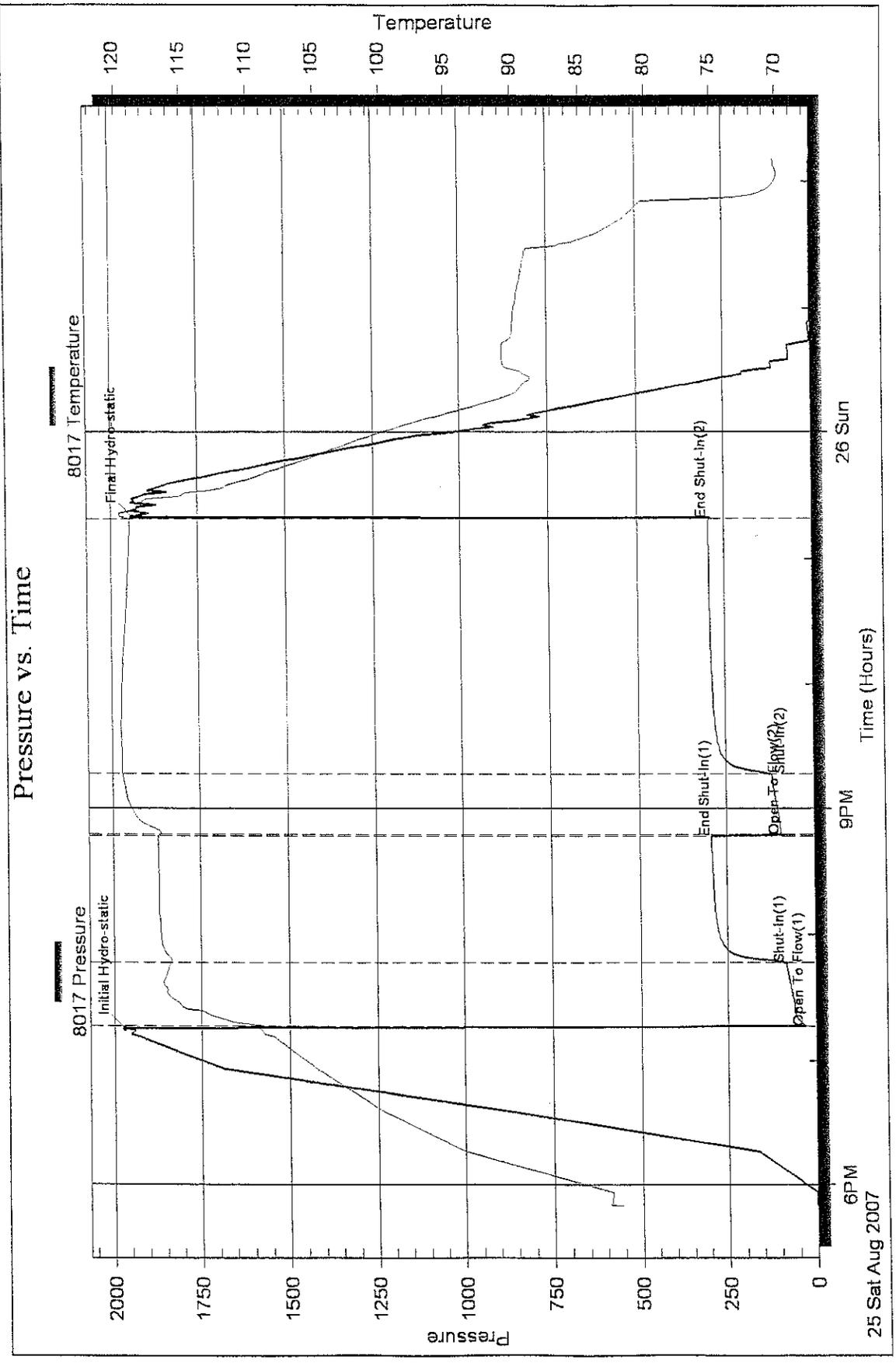
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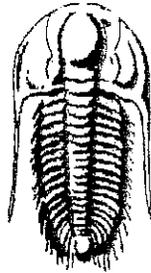
Laboratory Name:

Laboratory Location:

Recovery Comments: 470' GIP

API: 32 @ 80 degrees F =30





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

PO Box 292
Wahoo NE 68066

ATTN: Richard Bell

36 4 30W Decatur KS

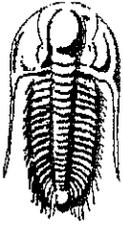
Wasson Brothers Farms #7

Start Date: 2007.08.26 @ 11:10:00

End Date: 2007.08.26 @ 17:55:30

Job Ticket #: 28729 DST #: 5

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Great Plains Energy Inc

PO Box 292
Wahoo NE 68066

ATTN: Richard Bell

Wasson Brothers Farms #7

36 4 30W Decatur KS

Job Ticket: 28729

DST#: 5

Test Start: 2007.08.26 @ 11:10:00

GENERAL INFORMATION:

Formation: **LKC "H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:37:30
 Time Test Ended: 17:55:30
 Interval: **4008.00 ft (KB) To 4034.00 ft (KB) (TVD)**
 Total Depth: 4034.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole
 Tester: Chuck Smith
 Unit No: 37
 Reference Elevations: 2830.00 ft (KB)
 2825.00 ft (CF)
 KB to GR/CF: 5.00 ft

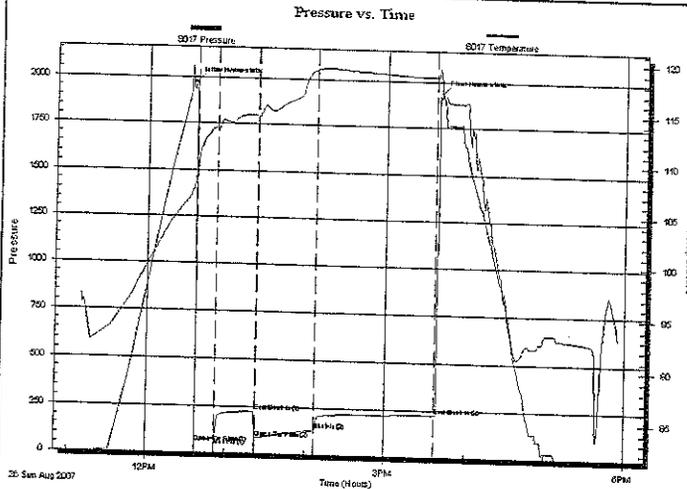
Serial #: **8017**

Inside

Press@RunDepth: 130.08 psig @ 4010.00 ft (KB)
 Start Date: 2007.08.26 End Date: 2007.08.26
 Start Time: 11:10:01 End Time: 17:55:30

Capacity: 7000.00 psig
 Last Calib.: 2007.08.26
 Time On Btm: 2007.08.26 @ 12:35:45
 Time Off Btm: 2007.08.26 @ 15:40:45

TEST COMMENT: IF BOB @ 5 1/2 min.
 ISI Return built to 2 "
 FF BOB @ 10 min.
 FSI Return built to 2 1/2 " receded to 1/2 "



PRESSURE SUMMARY

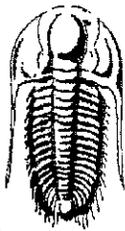
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1977.11	107.97	Initial Hydro-static
2	51.02	108.79	Open To Flow (1)
17	78.13	113.04	Shut-In (1)
47	221.74	114.54	End Shut-In(1)
48	82.72	114.38	Open To Flow (2)
92	130.08	119.14	Shut-In(2)
182	221.55	118.60	End Shut-In(2)
185	1938.48	117.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
184.00	GMCO 25%G 35%M 40%O	1.46
128.00	GO 20%G 80%O	1.80

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

Job Ticket: 28729

DST#: 5

ATTN: Richard Bell

Test Start: 2007.08.26 @ 11:10:00

Tool Information

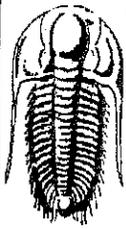
Drill Pipe:	Length: 3876.00 ft	Diameter: 3.80 inches	Volume: 54.37 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 79000.00 lb
			Total Volume: 54.97 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	4008.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 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			3981.00	
Shut In Tool	5.00			3986.00	
Hydraulic tool	5.00			3991.00	
Jars	5.00			3996.00	
Safety Joint	3.00			3999.00	
Packer	5.00			4004.00	28.00 Bottom Of Top Packer
Packer	4.00			4008.00	
Stubb	1.00			4009.00	
Perforations	1.00			4010.00	
Recorder	0.00	8017	Inside	4010.00	
Perforations	19.00			4029.00	
Recorder	0.00	13309	Inside	4029.00	
Bullnose	5.00			4034.00	26.00 Bottom Packers & Anchor

Total Tool Length: 54.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

ATTN: Richard Bell

Job Ticket: 28729

DST#: 5

Test Start: 2007.08.26 @ 11:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 6.39 in³

Resistivity: 0.00 ohm.m

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 32 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
184.00	GMCO 25%G 35%M 40%O	1.461
128.00	GO 20%G 80%O	1.796

Total Length: 312.00 ft Total Volume: 3.257 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

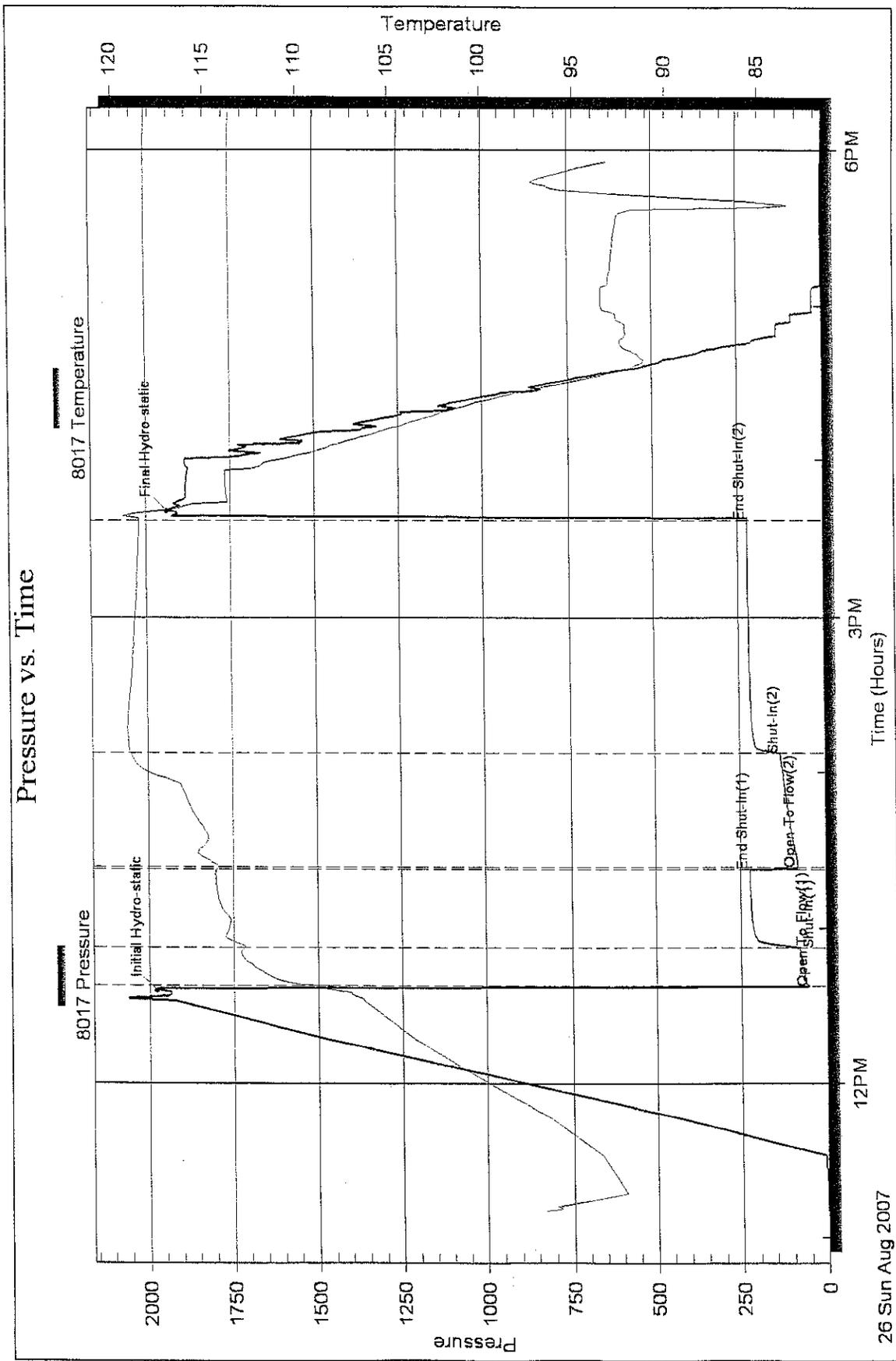
Laboratory Name:

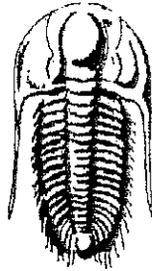
Laboratory Location:

Recovery Comments: 440' GIP

API; 36 @ 100 degrees F = 32

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

PO Box 292
Wahoo NE 68066

ATTN: Richard Bell

36 4 30W Decatur KS

Wasson Brothers Farms #7

Start Date: 2007.08.27 @ 15:13:00

End Date: 2007.08.27 @ 23:30:15

Job Ticket #: 28730 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Plains Energy Inc

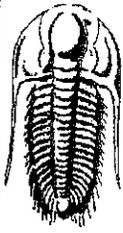
Wasson Brothers Farms #7

36 4 30W Decatur KS

DST # 6

LKC "G"

2007.08.27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Great Plains Energy Inc

PO Box 292
Wahoo NE 68066

ATTN: Richard Bell

Wasson Brothers Farms #7

36 4 30W Decatur KS

Job Ticket: 28730

DST#: 6

Test Start: 2007.08.27 @ 15:13:00

GENERAL INFORMATION:

Formation: **LKC "G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:58:00
 Time Test Ended: 23:30:15

Test Type: Conventional Straddle
 Tester: Chuck Smith
 Unit No: 37

Interval: **3980.00 ft (KB) To 3994.00 ft (KB) (TVD)**
 Total Depth: 4200.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2830.00 ft (KB)
 2825.00 ft (CF)
 KB to GR/CF: 5.00 ft

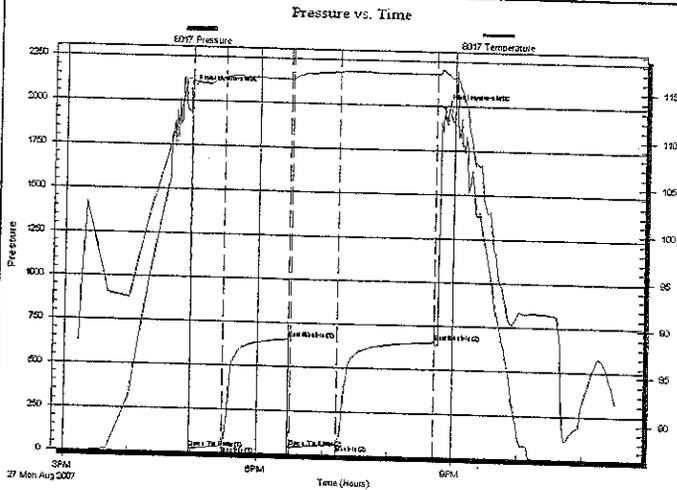
Serial #: **8017**

Inside

Press@RunDepth: 57.55 psig @ 3981.00 ft (KB)
 Start Date: 2007.08.27 End Date: 2007.08.27
 Start Time: 15:13:01 End Time: 23:30:15

Capacity: 7000.00 psig
 Last Calib.: 2007.08.27
 Time On Btm:
 Time Off Btm: 2007.08.27 @ 16:56:45

TEST COMMENT: IF Blow built to 3 "
 ISI No return
 FF Blow built to 2 1/2 "
 FSI No return



PRESSURE SUMMARY

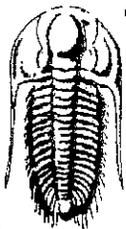
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2066.15	115.87	Final Hydro-static
2	18.73	114.66	Open To Flow (1)
32	34.83	116.00	Shut-In(1)
91	656.02	116.06	End Shut-In(1)
93	37.36	115.96	Open To Flow (2)
137	57.55	116.86	Shut-In(2)
227	655.25	116.86	End Shut-In(2)
234	1991.72	117.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	GWOCM 5%G 10%W 35%O 50%M	0.30
40.00	GWMO 5%G 5%W 45%M 45%O	0.20

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

Job Ticket: 28730 DST#: 6

ATTN: Richard Bell

Test Start: 2007.08.27 @ 15:13:00

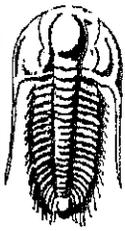
Tool Information

Drill Pipe:	Length: 3848.00 ft	Diameter: 3.80 inches	Volume: 53.98 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 54.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3980.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	3994.00 ft			
Interval between Packers:	14.00 ft			
Tool Length:	248.00 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			3954.00	
Shut In Tool	5.00			3959.00	
Hydraulic tool	5.00			3964.00	
Jars	5.00			3969.00	
Safety Joint	2.00			3971.00	
Packer	5.00			3976.00	27.00 Bottom Of Top Packer
Packer	4.00			3980.00	
Stubb	1.00			3981.00	
Recorder	0.00	8017	Inside	3981.00	
Perforations	9.00			3990.00	
Recorder	0.00	13276	Inside	3990.00	
Blank Off Sub	1.00			3991.00	
top of s packer	3.00			3994.00	14.00 Tool Interval
Packer	1.00			3995.00	
Stubb	1.00			3996.00	
Perforations	13.00			4009.00	
Change Over Sub	1.00			4010.00	
Drill Pipe	185.00			4195.00	
Change Over Sub	1.00			4196.00	
Recorder	0.00	13309	Below	4196.00	
Bullnose	5.00			4201.00	207.00 Bottom Packers & Anchor

Total Tool Length: 248.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy Inc

Wasson Brothers Farms #7

PO Box 292
Wahoo NE 68066

36 4 30W Decatur KS

Job Ticket: 28730

DST#: 6

ATTN: Richard Bell

Test Start: 2007.08.27 @ 15:13:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 63.00 sec/qt

Water Loss: 6.39 in³

Resistivity: 0.00 ohm.m

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	GWOCM 5%G 10%W 35%O 50%M	0.300
40.00	GWMO 5%G 5%W 45%M 45%O	0.197

Total Length: 101.00 ft Total Volume: 0.497 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 30' GIP

Could not get an RW reading.

Pressure vs. Time

