

## DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

PO Box 292  
Wahoo NE 68066

ATTN: Richard Bell

**35 4 30 Decatur KS**

**Sauvage #5**

Start Date: 2006.11.18 @ 14:41:04

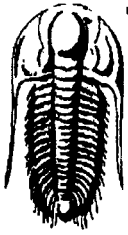
End Date: 2006.11.18 @ 19:40:58

Job Ticket #: 26609                      DST #: 1

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

**Sauvage #5**

PO Box 292  
Wahoo NE 68066

**35 4 30 Decatur KS**

Job Ticket: 26609

**DST#: 1**

ATTN: Richard Bell

Test Start: 2006.11.18 @ 14:41:04

## GENERAL INFORMATION:

Formation: **Toronto**  
 Deviated: **No Whipstock:** ft (KB)  
 Time Tool Opened: 16:04:14  
 Time Test Ended: 19:40:58

Test Type: **Conventional Bottom Hole**  
 Tester: **Shane McBride**  
 Unit No: **W&W #4**

Interval: **3873.00 ft (KB) To 3916.00 ft (KB) (TVD)**  
 Total Depth: **3916.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

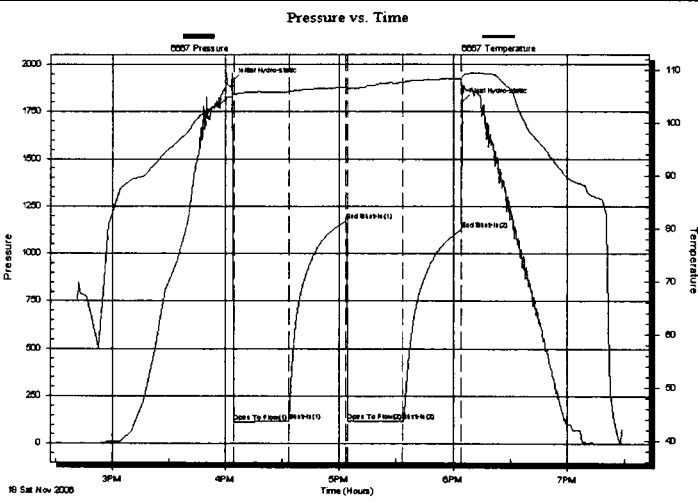
Reference Elevations: **2838.00 ft (KB)**  
**2833.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

**Serial #: 6667** **Inside**

Press@RunDepth: **120.01 psig @ 3879.00 ft (KB)**  
 Start Date: **2006.11.18** End Date: **2006.11.18**  
 Start Time: **14:41:04** End Time: **19:28:58**

Capacity: **7000.00 psig**  
 Last Calib.: **2006.11.18**  
 Time On Btm: **2006.11.18 @ 16:03:29**  
 Time Off Btm: **2006.11.18 @ 18:04:44**

**TEST COMMENT:** Mud dropped 40' @ open bled off mud blow no blow  
 No return  
 No blow  
 No return



## PRESSURE SUMMARY

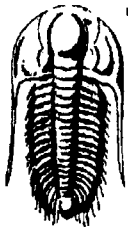
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1906.30	105.35	Initial Hydro-static
1	112.62	105.40	Open To Flow (1)
31	117.24	105.92	Shut-In (1)
61	1173.07	106.75	End Shut-In (1)
62	119.35	106.48	Open To Flow (2)
91	120.01	107.64	Shut-In (2)
121	1129.23	108.42	End Shut-In (2)
122	1802.51	108.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
210.00	Mud	1.84

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

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**TOOL DIAGRAM**

Great Plains Energy Inc

**Sauvage #5**

PO Box 292  
Wahoo NE 68066

**35 4 30 Decatur KS**

ATTN: Richard Bell

Job Ticket: 26609

**DST#: 1**

Test Start: 2006.11.18 @ 14:41:04

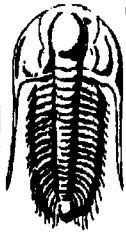
**Tool Information**

Drill Pipe:	Length: 3750.00 ft	Diameter: 3.80 inches	Volume: 52.60 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 53.20 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3873.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3852.00	
Hydraulic tool	5.00			3857.00	
Jars	5.00			3862.00	
Safety Joint	2.00			3864.00	
Packer	5.00			3869.00	26.00 Bottom Of Top Packer
Packer	4.00		Inside	3873.00	
Stubb	1.00			3874.00	
Perforations	4.00			3878.00	
Change Over Sub	1.00			3879.00	
Recorder	0.00	6667	Inside	3879.00	
Drill Pipe	31.00			3910.00	
Change Over Sub	1.00			3911.00	
Recorder	0.00	11058		3911.00	
Bullnose	5.00			3916.00	43.00 Bottom Packers & Anchor

**Total Tool Length: 69.00**



**TRILOBITE**  
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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Great Plains Energy Inc

**Sauvage #5**

PO Box 292  
Wahoo NE 68066

**35 4 30 Decatur KS**

Job Ticket: 26609

**DST#: 1**

ATTN: Richard Bell

Test Start: 2006.11.18 @ 14:41:04

## 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: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	Mud	1.843

Total Length: 210.00 ft

Total Volume: 1.843 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

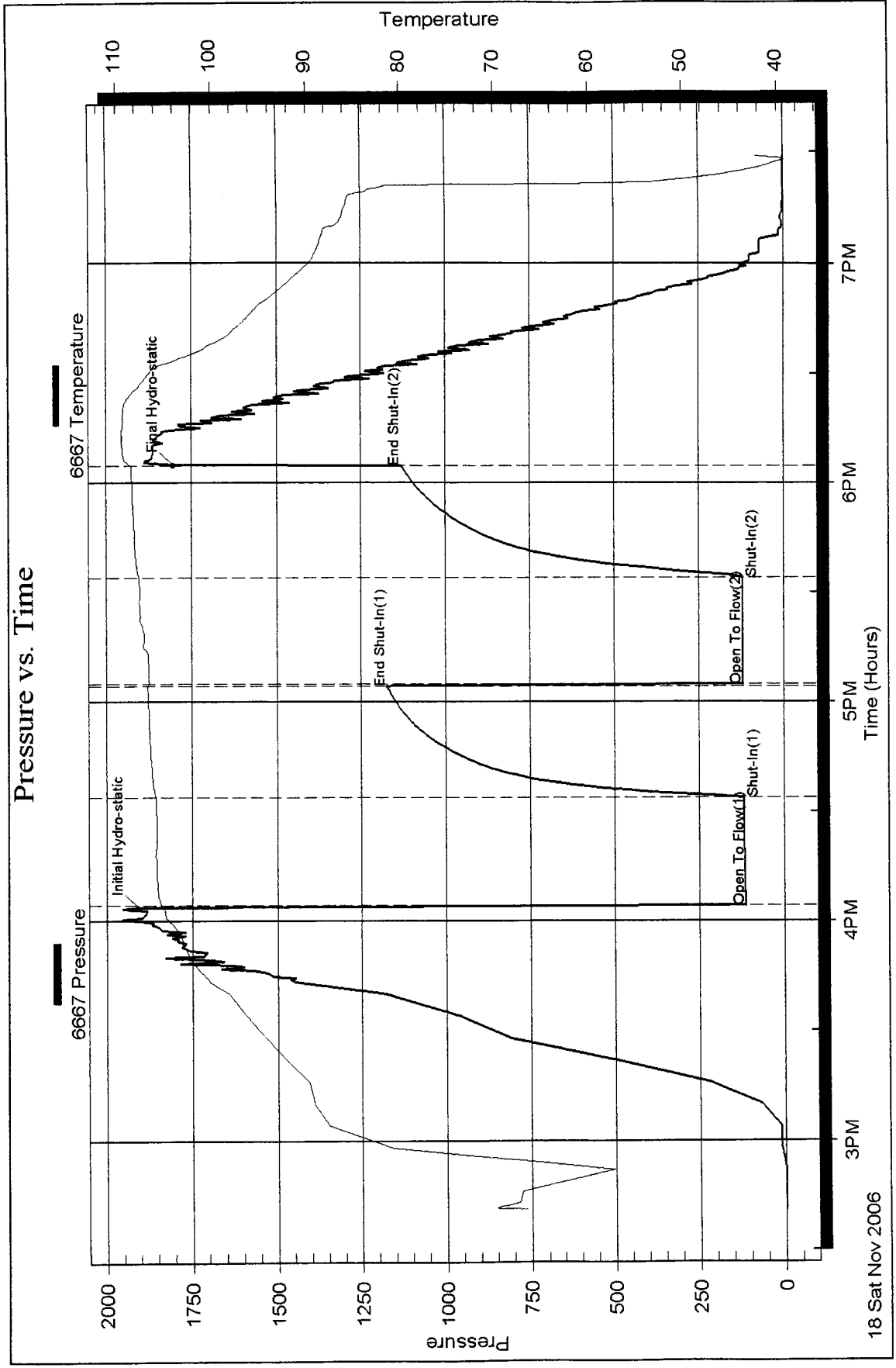
Serial #: 6667

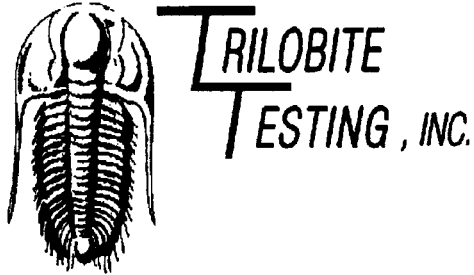
Inside

Great Plains Energy Inc

35 4 30 Decatur KS

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

PO Box 292  
Wahoo NE 68066

ATTN: Richard Bell

**35 4 30 Decatur KS**

**Sauvage #5**

Start Date: 2006.11.19 @ 01:20:05

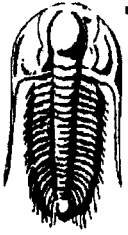
End Date: 2006.11.19 @ 05:10:00

Job Ticket #: 26610                      DST #: 2

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# DRILL STEM TEST REPORT

Great Plains Energy Inc

**Sauvage #5**

PO Box 292  
Wahoo NE 68066

**35 4 30 Decatur KS**

Job Ticket: 26610

**DST#: 2**

ATTN: Richard Bell

Test Start: 2006.11.19 @ 01:20:05

## GENERAL INFORMATION:

Formation: **B**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 03:20:00  
 Time Test Ended: 05:10:00

Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: W&W #4

Interval: **3932.00 ft (KB) To 3952.00 ft (KB) (TVD)**  
 Total Depth: 3952.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair

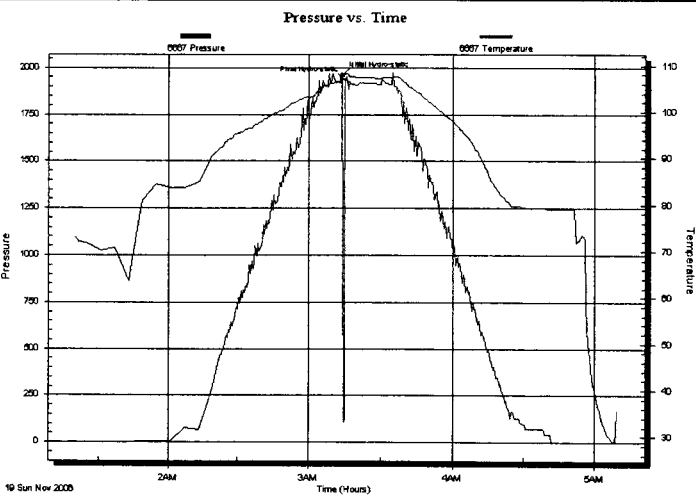
Reference Elevations: 2838.00 ft (KB)  
 2833.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6667** Inside

Press@RunDepth: psig @ 3933.00 ft (KB)  
 Start Date: 2006.11.19 End Date: 2006.11.19  
 Start Time: 01:20:05 End Time: 05:10:00

Capacity: 7000.00 psig  
 Last Calib.: 2006.11.19  
 Time On Btm: 2006.11.19 @ 03:13:45  
 Time Off Btm: 2006.11.19 @ 03:15:00

TEST COMMENT: Packers failed @ open reset failed again pull tool



## PRESSURE SUMMARY

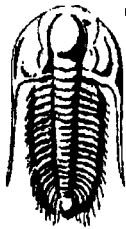
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1959.64	108.51	Initial Hydro-static
2	1933.94	108.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	Mud	3.11

## 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 #5**

PO Box 292  
Wahoo NE 68066

**35 4 30 Decatur KS**

Job Ticket: 26610

**DST#: 2**

ATTN: Richard Bell

Test Start: 2006.11.19 @ 01:20:05

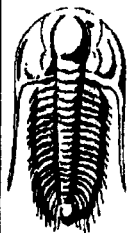
**Tool Information**

Drill Pipe:	Length: 3812.00 ft	Diameter: 3.80 inches	Volume: 53.47 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 54.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3932.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3911.00	
Hydraulic tool	5.00			3916.00	
Jars	5.00			3921.00	
Safety Joint	2.00			3923.00	
Packer	5.00			3928.00	26.00 Bottom Of Top Packer
Packer	4.00		Inside	3932.00	
Stubb	1.00			3933.00	
Recorder	0.00	6667	Inside	3933.00	
Perforations	14.00			3947.00	
Recorder	0.00	11058		3947.00	
Bullnose	5.00			3952.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 46.00**



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**FLUID SUMMARY**

Great Plains Energy Inc

**Sauvage #5**

PO Box 292  
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**35 4 30 Decatur KS**

Job Ticket: 26610

**DST#: 2**

ATTN: Richard Bell

Test Start: 2006.11.19 @ 01:20:05

## 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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	Mud	3.106

Total Length: 300.00 ft

Total Volume: 3.106 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

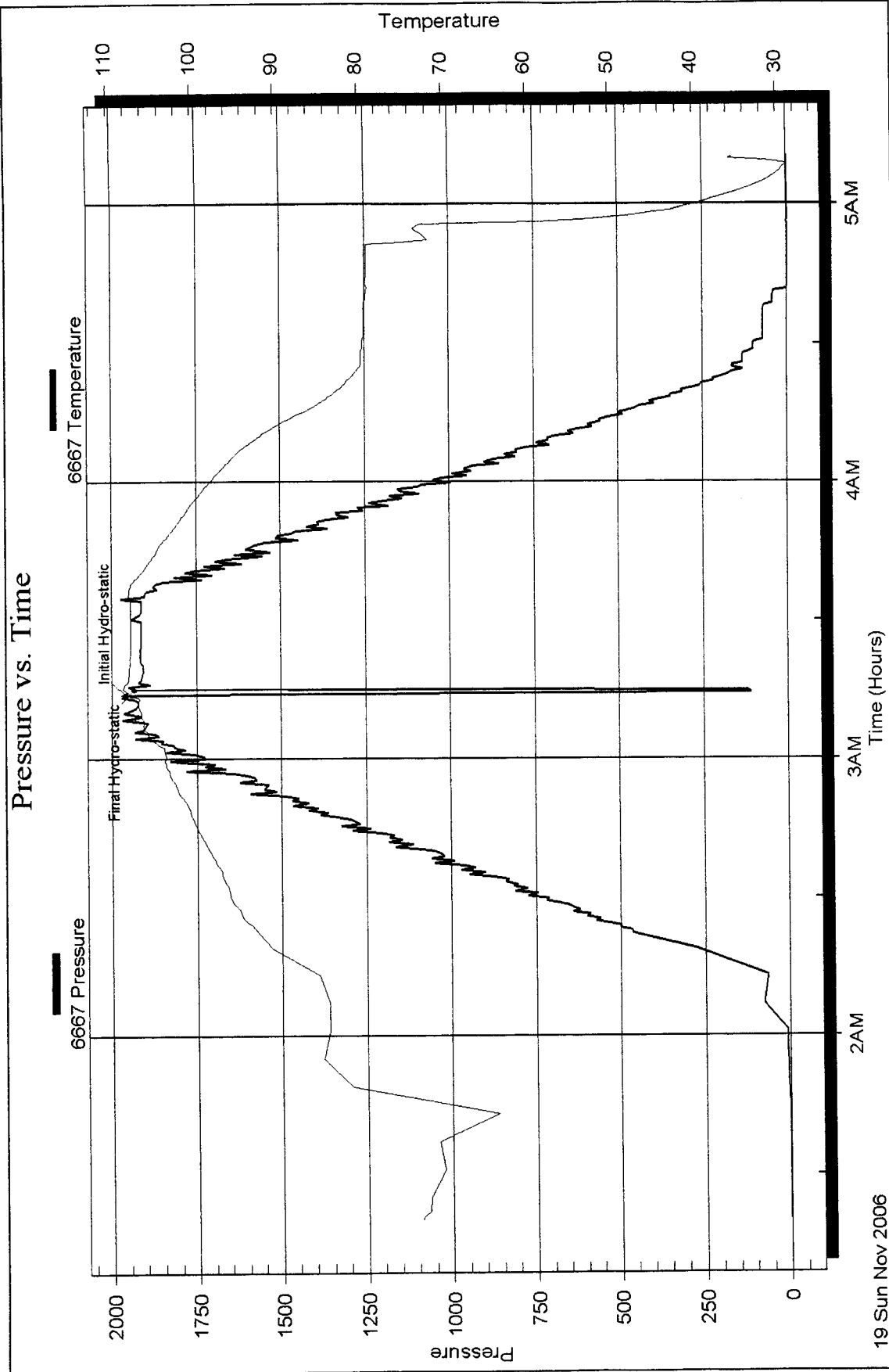
Serial #:

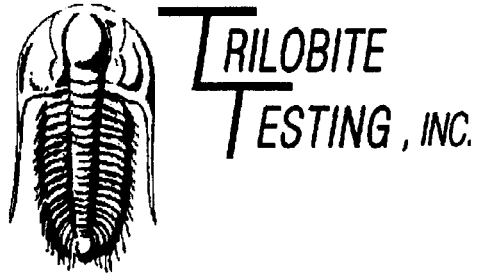
Laboratory Name:

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

**35 4 30 Decatur KS**

**Sauvage #5**

Start Date: 2006.11.19 @ 09:10:34

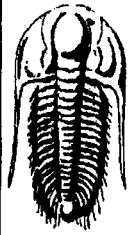
End Date: 2006.11.19 @ 15:30:28

Job Ticket #: 26611                      DST #: 3

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**Sauvage #5**

PO Box 292  
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**35 4 30 Decatur KS**

Job Ticket: 26611

**DST#: 3**

ATTN: Richard Bell

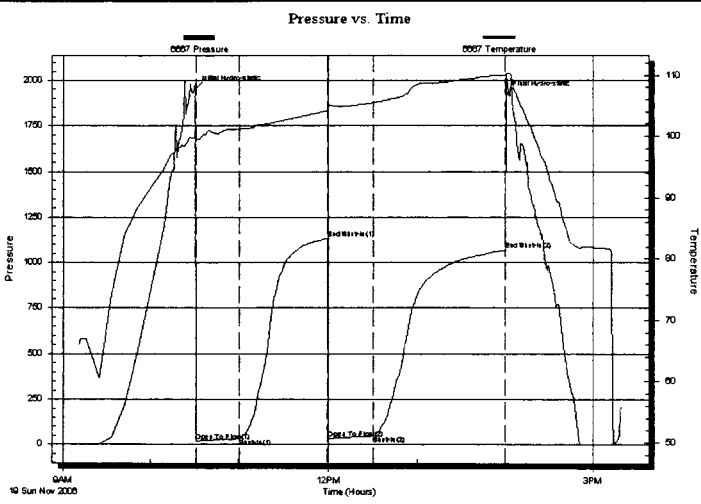
Test Start: 2006.11.19 @ 09:10:34

## GENERAL INFORMATION:

Formation: **B**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 10:30:59  
 Time Test Ended: 15:30:28  
 Interval: **3930.00 ft (KB) To 3952.00 ft (KB) (TVD)**  
 Total Depth: 3952.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: W&W #4  
 Reference Elevations: 2838.00 ft (KB)  
 2833.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6667** **Inside**  
 Press@RunDepth: 47.50 psig @ 3931.00 ft (KB) Capacity: 7000.00 psig  
 Start Date: 2006.11.19 End Date: 2006.11.19 Last Calib.: 2006.11.19  
 Start Time: 09:10:34 End Time: 15:19:28 Time On Btm: 2006.11.19 @ 10:30:29  
 Time Off Btm: 2006.11.19 @ 14:00:43

TEST COMMENT: 2" blow  
 No return  
 2" blow  
 No return



## PRESSURE SUMMARY

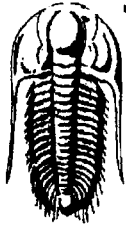
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.46	99.88	Initial Hydro-static
1	16.40	99.51	Open To Flow (1)
30	31.49	101.19	Shut-In(1)
89	1133.71	104.15	End Shut-In(1)
90	33.04	104.95	Open To Flow(2)
120	47.50	105.49	Shut-In(2)
210	1067.82	110.00	End Shut-In(2)
211	1920.09	110.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	Free Oil 100%O	0.01
68.00	MCO 50%M 50%O	0.33

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Great Plains Energy Inc

**Sauvage #5**

PO Box 292  
Wahoo NE 68066

**35 4 30 Decatur KS**

ATTN: Richard Bell

Job Ticket: 26611

**DST#: 3**

Test Start: 2006.11.19 @ 09:10:34

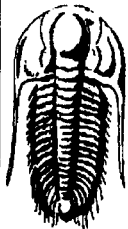
**Tool Information**

Drill Pipe:	Length: 3812.00 ft	Diameter: 3.80 inches	Volume: 53.47 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 54.07 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3930.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 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
Shut In Tool	5.00			3909.00	
Hydraulic tool	5.00			3914.00	
Jars	5.00			3919.00	
Safety Joint	2.00			3921.00	
Packer	5.00			3926.00	26.00 Bottom Of Top Packer
Packer	4.00		Inside	3930.00	
Stubb	1.00			3931.00	
Recorder	0.00	6667	Inside	3931.00	
Perforations	16.00			3947.00	
Recorder	0.00	11058	Outside	3947.00	
Bullnose	5.00			3952.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 48.00**



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**35 4 30 Decatur KS**

Job Ticket: 26611

**DST#: 3**

ATTN: Richard Bell

Test Start: 2006.11.19 @ 09:10:34

## 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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Free Oil 100%O	0.010
68.00	MCO 50%M 50%O	0.334

Total Length: 70.00 ft      Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6667

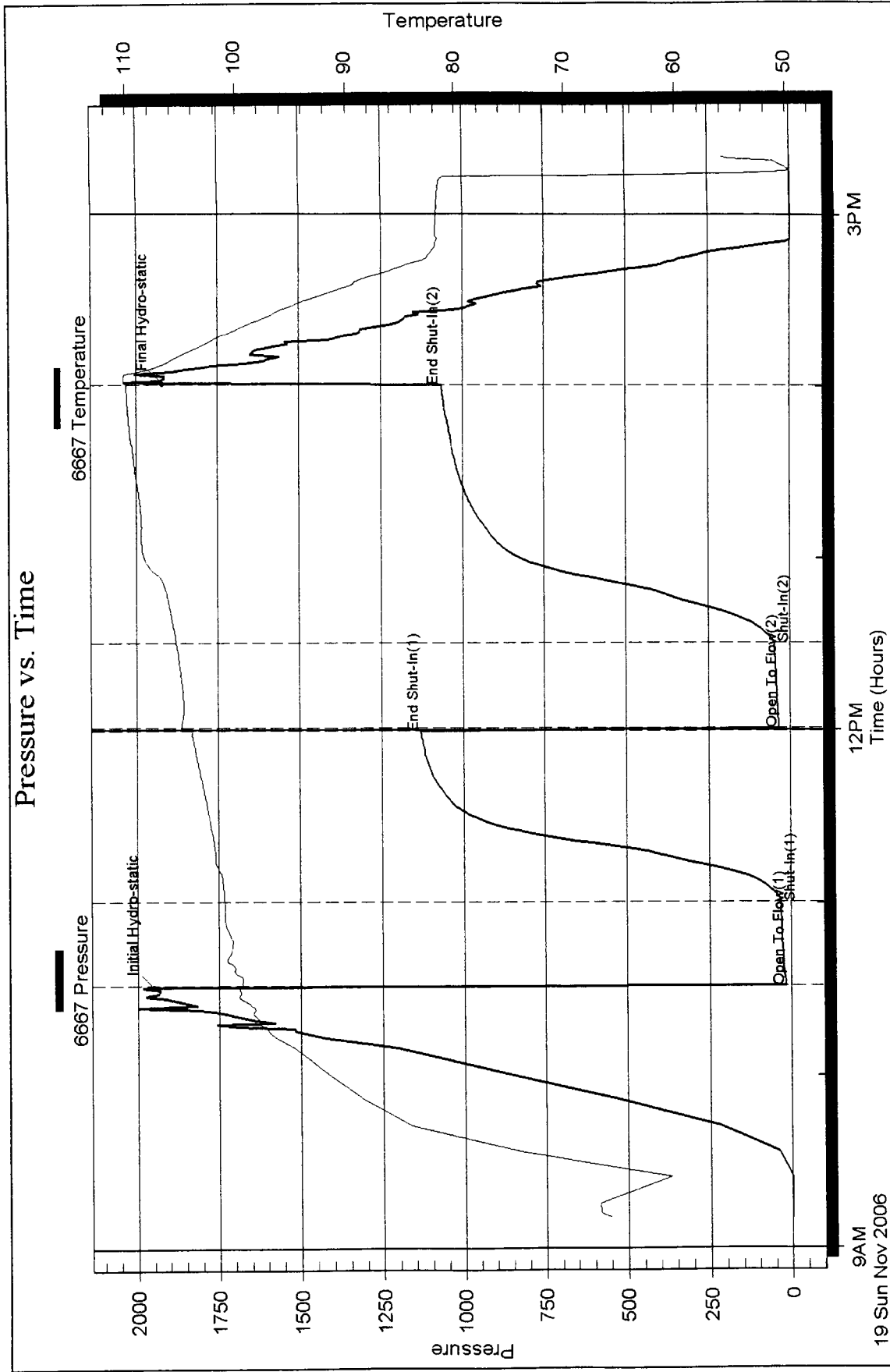
Inside

Great Plains Energy Inc

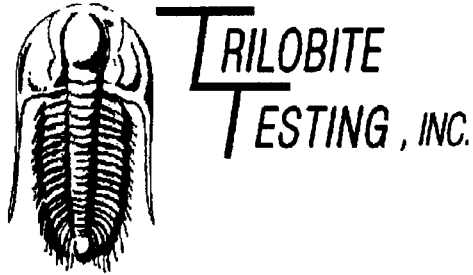
35 4 30 Decatur KS

DST Test Number: 3

### Pressure vs. Time



9AM 12PM 3PM  
Time (Hours)



## DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

PO Box 292  
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ATTN: Richard Bell

**35 4 30 Decatur KS**

**Sauvage #5**

Start Date: 2006.11.19 @ 21:35:09

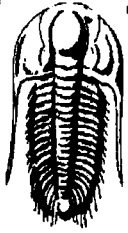
End Date: 2006.11.20 @ 05:00:18

Job Ticket #: 26612                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



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# DRILL STEM TEST REPORT

Great Plains Energy Inc

**Sauvage #5**

PO Box 292  
Wahoo NE 68066

**35 4 30 Decatur KS**

Job Ticket: 26612 **DST#: 4**

ATTN: Richard Bell

Test Start: 2006.11.19 @ 21:35:09

## GENERAL INFORMATION:

Formation: **F**  
 Deviated: **No** Whipstock: **ft (KB)**  
 Time Tool Opened: 22:52:49  
 Time Test Ended: 05:00:18

Test Type: **Conventional Bottom Hole**  
 Tester: **Shane McBride**  
 Unit No: **W&W #4**

Interval: **3972.00 ft (KB) To 3995.00 ft (KB) (TVD)**  
 Total Depth: **3995.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2838.00 ft (KB)**  
**2833.00 ft (CF)**  
 KB to GR/CF: **5.00 ft**

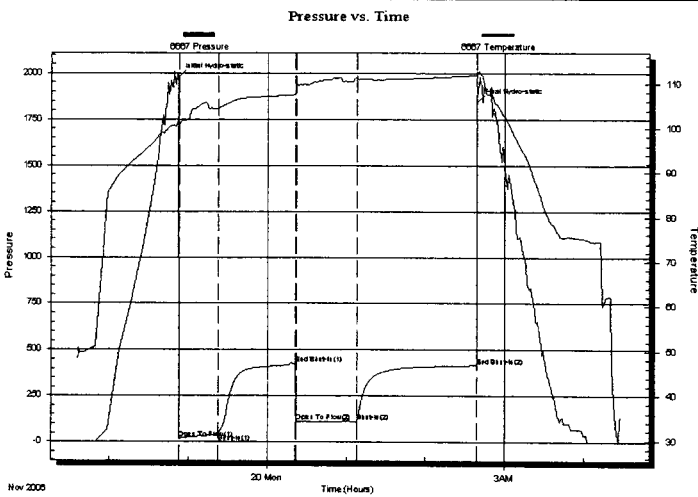
## Serial #: 6667

**Inside**

Press@RunDepth: **112.64 psig @ 3973.00 ft (KB)**  
 Start Date: **2006.11.19** End Date: **2006.11.20**  
 Start Time: **21:35:09** End Time: **04:28:18**

Capacity: **7000.00 psig**  
 Last Calib.: **2006.11.20**  
 Time On Btm: **2006.11.19 @ 22:52:34**  
 Time Off Btm: **2006.11.20 @ 02:39:18**

TEST COMMENT: **1/4 " @ open built to 3 "**  
**No return**  
**8 " @ open died back to 1 "**  
**No return**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1979.90	101.53	Initial Hydro-static
1	15.23	100.67	Open To Flow (1)
30	40.90	104.41	Shut-In (1)
89	425.62	107.50	End Shut-In (1)
90	111.05	109.76	Open To Flow (2)
135	112.64	111.35	Shut-In (2)
227	416.18	111.86	End Shut-In (2)
227	1844.84	112.78	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	OCM 15%O 85%M	1.42
40.00	MCO 35%M 65%O	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  
PO Box 292  
Wahoo NE 68066  
ATTN: Richard Bell

**Sauvage #5**  
**35 4 30 Decatur KS**  
Job Ticket: 26612      **DST#: 4**  
Test Start: 2006.11.19 @ 21:35:09

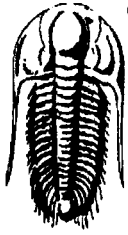
**Tool Information**

Drill Pipe:	Length: 3843.00 ft	Diameter: 3.80 inches	Volume: 53.91 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 250000.0 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 54.51 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3972.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3951.00	
Hydraulic tool	5.00			3956.00	
Jars	5.00			3961.00	
Safety Joint	2.00			3963.00	
Packer	5.00			3968.00	26.00      Bottom Of Top Packer
Packer	4.00		Inside	3972.00	
Stubb	1.00			3973.00	
Recorder	0.00	6667	Inside	3973.00	
Perforations	4.00			3977.00	
Recorder	0.00	11058	Outside	3977.00	
Bullnose	5.00			3982.00	10.00      Bottom Packers & Anchor

**Total Tool Length: 36.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Great Plains Energy Inc

**Sauvage #5**

PO Box 292  
Wahoo NE 68066

**35 4 30 Decatur KS**

Job Ticket: 26612

**DST#: 4**

ATTN: Richard Bell

Test Start: 2006.11.19 @ 21:35:09

## 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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	OCM 15%O 85%M	1.423
40.00	MCO 35%M 65%O	0.561

Total Length: 220.00 ft

Total Volume: 1.984 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6667

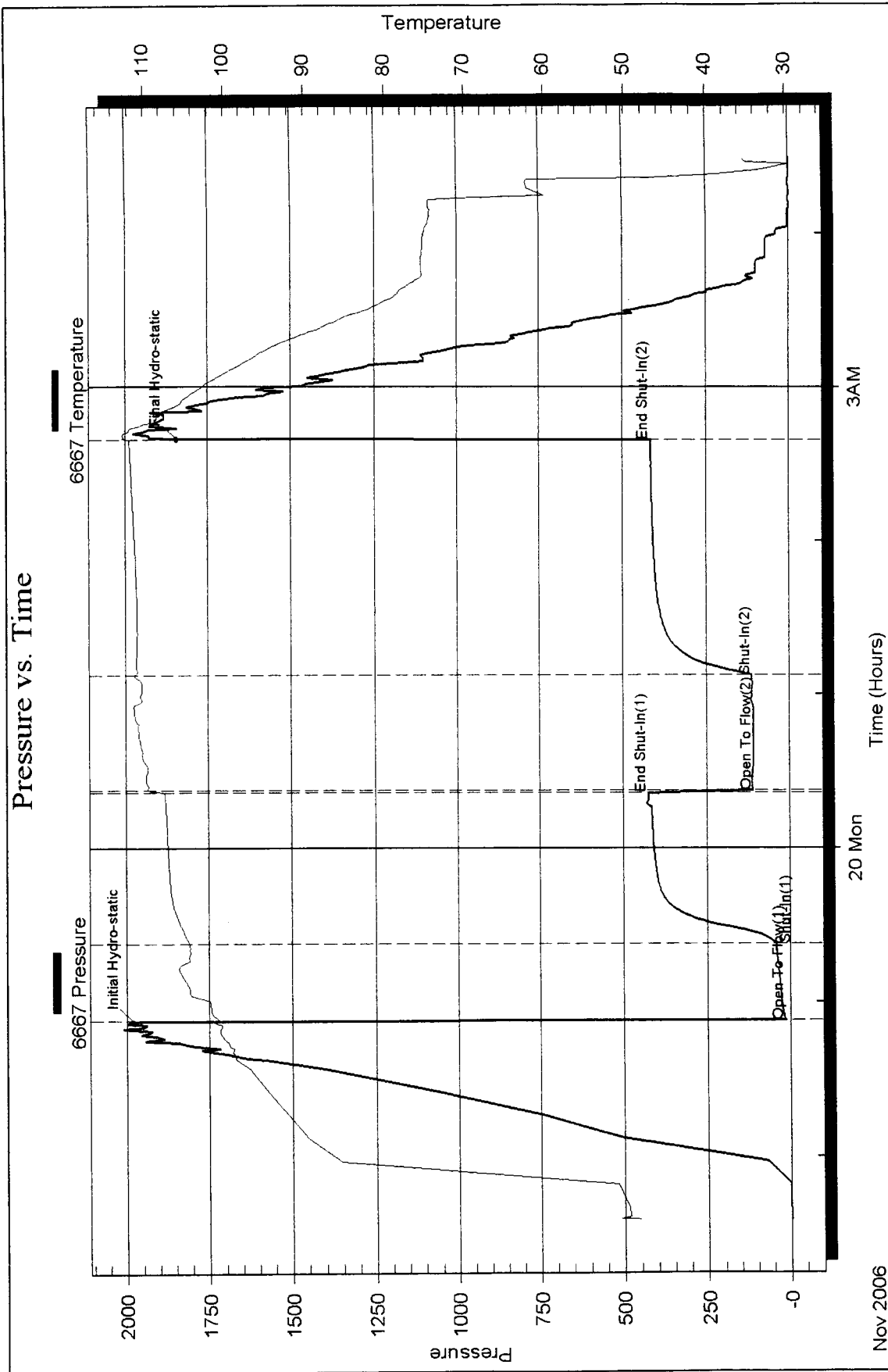
Inside

Great Plains Energy Inc

35 4 30 Decatur KS

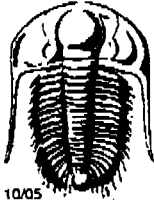
DST Test Number: 4

### Pressure vs. Time









# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

## 26609

### Test Ticket

Well Name & No. <u>Savage #5</u>	Test No. <u># 1</u>	Date <u>11/18/06</u>
Company <u>Great Plains Energy Inc.</u>	Zone Tested <u>Taranto</u>	
Address _____	Elevation <u>2838</u> KB <u>2833</u> GL	
Co. Rep / Geo. <u>Richard Bell</u>	Rig <u>12210 #4</u>	
Location: Sec. <u>35</u> Twp. <u>4s</u> Rge. <u>30w</u> Co. <u>Decatur</u> State <u>Ks</u>		
Comment: <u>15' of 6 1/2" drill pipe</u>	Release date / time: _____	

Interval Tested <u>3873</u> <u>3916</u>	Initial Str Wt./Lbs. <u>46000</u>	Unseated Str Wt./Lbs. <u>49000</u>
Anchor Length <u>43</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>65000</u>
Top Packer Depth <u>3868</u>	Tool Weight <u>1400</u>	
Bottom Packer Depth <u>3873</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3916</u>	Wt. Pipe Run _____	Drill Collar Run <u>121'</u>
Mud Wt. <u>9.0</u> LCM <u>To</u> Vis. <u>6.1</u> WL <u>10.5</u>	Drill Pipe Size <u>4 1/2 x 4</u>	Ft. Run <u>3750'</u>
Blow Description <u>1st blow 4' or so (break off mud) blow</u>		
<u>7th return</u>		
<u>7th blow</u>		
<u>7th return</u>		

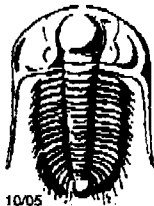
Recovery - Total Feet <u>210</u>	GIP _____	Ft. in DC <u>121'</u>	Ft. in DP <u>287'</u>
Rec. <u>210'</u> Feet of <u>1142</u>	%gas _____	%oil _____	%water _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____
BHT <u>108</u> °F Gravity _____	API D @ _____	°F Corrected Gravity _____	API _____
RW _____ @ _____ °F	Chlorides _____ ppm Recovery _____	Chlorides <u>1500</u> ppm System	

	AK-1	Alpine	Recorder No.	Test	
(A) Initial Hydrostatic Mud	<u>1754</u> PSI		<u>6667</u>	<u>1100</u>	
(B) First Initial Flow Pressure	<u>112</u> PSI		<u>3878</u>	<u>250</u>	
(C) First Final Flow Pressure	<u>117</u> PSI		<u>11058</u>	<u>75</u>	
(D) Initial Shut-In Pressure	<u>1173</u> PSI		<u>3911</u>	<u>N/C</u>	
(E) Second Initial Flow Pressure	<u>119</u> PSI				
(F) Second Final Flow Pressure	<u>120</u> PSI				
(G) Final Shut-In Pressure	<u>1129</u> PSI	Initial Opening <u>30</u>			
(Q) Final Hydrostatic Mud	<u>1890</u> PSI	Initial Shut-In <u>30</u>			

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Richard Bell  
 Our Representative [Signature]

Final Flow	<u>30</u>	Ruined Packer	<u>50</u>
Final Shut-In	<u>30</u>	Mileage <u>26609</u>	<u>50</u>
T-On Location	<u>13:00</u> <u>pm</u>	Sub Total:	
T-Started	<u>14:40</u> <u>pm</u>	Std. By	<u>11475</u>
T-Open	<u>16:03</u> <u>pm</u>	Acc. Chg:	
T-Pulled	<u>18:03</u> <u>pm</u>	Other:	
T-Out	<u>19:40</u> <u>pm</u>	Total:	



# TRILOBITE TESTING INC.

## 26610

P.O. Box 362 • Hays, Kansas 67601

### Test Ticket

Well Name & No. <u>Savage #5</u>	Test No. <u>#2</u>	Date <u>11/19/06</u>
Company <u>Great Plains Energy Inc.</u>	Zone Tested <u>B</u>	
Address _____	Elevation <u>2838</u>	KB <u>2833</u> GL _____
Co. Rep / Geo. <u>Richard Bell</u>	Rig <u>W3W #4</u>	
Location: Sec. <u>35</u> Twp. <u>4</u> Rge. <u>30</u>	Co. <u>Dodder</u>	State <u>Ks</u>
Comment: _____	Release date / time: _____	

Interval Tested <u>3922</u>	<u>3932</u>	Initial Str Wt./Lbs. <u>48,000</u>	Unseated Str Wt./Lbs. <u>49,000</u>
Anchor Length _____	<u>20</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>50,000</u>
Top Packer Depth _____	<u>3927</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____	<u>3932</u>	Hole Size 7 7/8" <input checked="" type="checkbox"/>	Rubber Size 6 3/4" <input checked="" type="checkbox"/>
Total Depth _____	<u>3952</u>	Wt. Pipe Run _____	Drill Collar Run <u>121'</u>
Mud Wt. <u>9.2</u> LCM <u>1 1/2</u> Vis. <u>5A</u> WL <u>1.8</u>		Drill Pipe Size <u>4 1/2 KH</u>	Ft. Run <u>3812</u>
Blow Description <u>Packer failed on run lost failed again Pull Tool</u>			

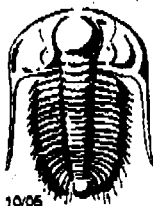
Recovery - Total Feet <u>300'</u>	GIP _____	Ft. in DC <u>121</u>	Ft. in DP <u>179</u>
Rec. <u>300'</u> Feet of <u>mud</u>	%gas _____	%oil _____	%water <u>100</u> %mud _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____ %mud _____
Rec. _____ Feet of _____	%gas _____	%oil _____	%water _____ %mud _____
BHT _____ 'F Gravity _____	'API D @ _____	'F Corrected Gravity _____	'API _____
RW _____ @ _____ 'F	Chlorides _____ ppm Recovery _____	Chlorides <u>1200</u>	ppm System _____

(A) Initial Hydrostatic Mud _____	AK-1 <u>1959</u> Alpine PSI	Recorder No. <u>6667</u>	Test <u>X</u> <u>900</u>
(B) First Initial Flow Pressure _____	PSI	(depth) <u>3933</u>	Jars <u>X</u> <u>250</u>
(C) First Final Flow Pressure _____	PSI	Recorder No. <u>11058</u>	Safety Jtr <u>X</u> <u>75</u>
(D) Initial Shut-In Pressure _____	PSI	(depth) <u>3947</u>	Circ Sub <u>X</u> <u>w/c</u>
(E) Second Initial Flow Pressure _____	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure _____	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure _____	PSI	Initial Opening _____	Ext. Packer _____
(Q) Final Hydrostatic Mud _____	<u>1933</u> PSI	Initial Shut-In _____	Shale Packer _____

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Approved By <u>Richard Bell</u>	T-On Location <u>00:50 A.M.</u>	Sub Total: _____
	T-Started <u>01:20 A.M.</u>	Std. By <u>\$1275</u>
	T-Open <u>03:20 A.M.</u>	Acc. Chg: _____
	T-Pulled <u>02:25 A.M.</u>	Other: _____
	T-Out <u>05:10 A.M.</u>	Total: _____

Our Representative [Signature]



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26611

## Test Ticket

Well Name & No. <u>Savage #5</u>	Test No. <u>#3</u>	Date <u>11/19/06</u>
Company <u>Great Plains Energy Inc.</u>	Zone Tested <u>B</u>	
Address _____	Elevation <u>2838</u>	KB <u>2833</u> GL
Co. Rep / Geo. <u>Richard Bell</u>	Rig <u>W3W # 4</u>	
Location: Sec. <u>35</u> Twp. <u>4s</u> Rge. <u>30W</u> Co. <u>Decatur</u> State <u>Ks</u>	Release date / time: _____	
Comment: _____		

Interval Tested <u>3730</u>	<u>3752</u>	Initial Str Wt./Lbs. <u>46,000</u>	Unseated Str Wt./Lbs. <u>49,000</u>
Anchor Length _____	<u>22</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>65,000</u>
Top Packer Depth _____	<u>3925</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth _____	<u>3930</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth _____	<u>3952</u>	Wt. Pipe Run _____	Drill Collar Run <u>121'</u>
Mud Wt. <u>9.2</u> LCM <u>1 1/2</u> Vis. <u>56</u> WL <u>6.4</u>		Drill Pipe Size <u>4 1/2 X 4</u>	Ft. Run <u>3821</u>
Blow Description <u>1/2" in @ open built to 2"</u> <u>No return</u>			
<u>1/2" in @ open built to 2"</u> <u>No return</u>			

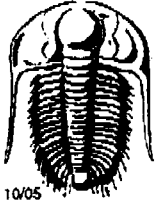
Recovery - Total Feet <u>70'</u>	GIP _____	Ft. in DC <u>70'</u>	Ft. in DP _____
Rec. <u>2'</u>	Feet of <u>free oil</u>	%gas <u>100</u> %oil _____ %water _____ %mud _____	
Rec. <u>68'</u>	Feet of <u>1100</u>	%gas <u>50</u> %oil _____ %water <u>50</u> %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____	Feet of _____	%gas _____ %oil _____ %water _____ %mud _____	
BHT <u>110'</u>	'F Gravity _____	'API D @ _____	'F Corrected Gravity _____ 'API _____
RW _____ @ _____ 'F	Chlorides _____ ppm	Recovery _____	Chlorides <u>1200</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1956</u>	Alpine PSI	Recorder No. <u>1667</u>	Test <u>X</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>16</u>	PSI	(depth) <u>3931</u>	Jars <u>X</u>	<u>250</u>
(C) First Final Flow Pressure	<u>31</u>	PSI	Recorder No. <u>11058</u>	Safety Jt <u>X</u>	<u>75</u>
(D) Initial Shut-In Pressure	<u>1133</u>	PSI	(depth) <u>3947</u>	Circ Sub <u>X</u>	<u>116</u>
(E) Second Initial Flow Pressure	<u>33</u>	PSI	Recorder No. _____	Sampler _____	
(F) Second Final Flow Pressure	<u>47</u>	PSI	(depth) _____	Straddle _____	
(G) Final Shut-In Pressure	<u>1667</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____	
(Q) Final Hydrostatic Mud	<u>1938</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer <u>X</u>	<u>200</u>
			Final Flow <u>30</u>	Ruined Packer _____	
			Final Shut-In <u>90</u>	Mileage <u>X</u>	<u>50</u>

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Approved By Richard Bell  
Our Representative [Signature]

T-On Location	<u>08:45 A.M.</u>	Sub Total: _____
T-Started	<u>09:10 A.M.</u>	Std. By <u>\$1675</u>
T-Open	<u>10:20 A.M.</u>	Acc. Chg: _____
T-Pulled	<u>11:00 P.M.</u>	Other: _____
T-Out	<u>15:30 P.M.</u>	Total: _____



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26512

## Test Ticket

Well Name & No. <u>Savage #5</u>	Test No. <u>#4</u>	Date <u>11/20/06</u>
Company <u>Great Plains Energy Inc</u>	Zone Tested <u>F</u>	
Address _____	Elevation <u>2835</u> KB <u>2833</u> GL	
Co. Rep / Geo. <u>Richard Bell</u>	Rig <u>W3W #4</u>	
Location: Sec. <u>35</u> Twp. <u>4s</u> Rge. <u>30W</u> Co. <u>Decatur</u> State <u>Ks</u>		
Comment: _____	Release date / time: <u>1</u>	

Interval Tested <u>3972</u> <u>3995</u>	Initial Str Wt./Lbs. <u>41000</u>	Unseated Str Wt./Lbs. <u>49000</u>
Anchor Length <u>23</u>	Wt. Set Lbs. <u>25000</u>	Wt. Pulled Loose/Lbs. <u>70000</u>
Top Packer Depth <u>3967</u>	Tool Weight <u>1300</u>	
Bottom Packer Depth <u>3972</u>	Hole Size 7 7/8" <input checked="" type="checkbox"/>	Rubber Size 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>3975</u>	Wt. Pipe Run _____	Drill Collar Run <u>121</u>
Mud Wt. <u>7.2</u> LCM <u>1 1/2</u> Vis. <u>56</u> WL <u>6.1</u>	Drill Pipe Size <u>4 1/2 X H</u>	Ft. Run <u>3543</u>

Blow Description 14" in built to 3 1/2"  
No return  
8" in @ open died back to 1 1/2"  
No return

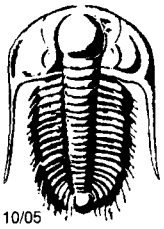
Recovery - Total Feet <u>220'</u> GIP _____	Ft. in DC <u>121</u>	Ft. in DP <u>99'</u>
Rec. <u>40'</u> Feet of <u>11700</u>	%gas <u>65</u> %oil _____	%water <u>35</u> %mud _____
Rec. <u>150'</u> Feet of <u>DC in</u>	%gas <u>15</u> %oil _____	%water <u>85</u> %mud _____
Rec. _____ Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>112°</u> °F Gravity _____ °API D @ _____ °F Corrected Gravity _____ °API		
RW _____ @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides <u>1200</u> ppm System		

(A) Initial Hydrostatic Mud <u>2506</u> PSI	Recorder No. <u>6667</u>	Test <u>X</u> <u>1100</u>
(B) First Initial Flow Pressure <u>15</u> PSI	(depth) <u>3973</u>	Jars <u>X</u> <u>250</u>
(C) First Final Flow Pressure <u>40</u> PSI	Recorder No. <u>11058</u>	Safety Jt <u>X</u> <u>75</u>
(D) Initial Shut-In Pressure <u>425</u> PSI	(depth) <u>3990</u>	Circ Sub <u>X</u> <u>N/C</u>
(E) Second Initial Flow Pressure <u>111</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure <u>112</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure <u>116</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud <u>1727</u> PSI	Initial Shut-In <u>600</u>	Shale Packer <u>X</u> <u>200</u>

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Approved By Richard Bell  
 Our Representative [Signature]

Final Flow <u>15</u>	Final Shut-In <u>90</u>	T-On Location <u>21:00 P.m.</u>	Sub Total _____
T-Started <u>21:35 P.m.</u>	T-Open <u>23:10 P.m.</u>	T-Pulled <u>02:55 AM</u>	T-Out <u>05:00 AM</u>
T-Open _____	T-Pulled _____	T-Out _____	Total: <u>\$1875</u>



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26609

9564 ✓

## Test Ticket

Well Name & No. Savage #5 Test No. #1 Date 11/18/06  
 Company Great Plains Energy Inc. Zone Tested Toronto  
 Address P.O. Box 292 Washoe Neb 68046 Elevation 2838 KB 2833 GL  
 Co. Rep / Geo. Richard Bell Rig W&W-Hel  
 Location: Sec. 35 Twp. 4s Rge. 30w Co. Decatur State Ks  
 Comment: 15' of fill on bottom Release date / time: \_\_\_\_\_

Interval Tested 3873 3916 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 49,000  
 Anchor Length \_\_\_\_\_ 43 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000  
 Top Packer Depth \_\_\_\_\_ 3868 Tool Weight 1,500  
 Bottom Packer Depth \_\_\_\_\_ 3873 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth \_\_\_\_\_ 3916 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 121'  
 Mud Wt. 9.0 LCM To Vis. 61 WL 6.8 Drill Pipe Size 4 1/4" X 4 Ft. Run 3750'  
 Blow Description Mud dropped 40' @ open (Bkd off mud blow) No blow  
No return  
No blow  
No return

Recovery - Total Feet 210 GIP \_\_\_\_\_ Ft. in DC 121' Ft. in DP ~~85~~ 85  
 Rec. 210' Feet of MUD %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 108 °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 1500 ppm System

	AK-1	Alpine	Recorder No.	Test x
(A) Initial Hydrostatic Mud	<u>1954</u>	PSI	<u>6667</u>	<u>\$ 1100.00</u>
(B) First Initial Flow Pressure	<u>112</u>	PSI (depth)	<u>3878</u>	Jars x <u>\$ 250.00</u>
(C) First Final Flow Pressure	<u>117</u>	PSI (depth)	<u>11058</u>	Safety Jt x <u>\$ 75.00</u>
(D) Initial Shut-In Pressure	<u>1173</u>	PSI (depth)	<u>3911</u>	Circ Sub x <u>NIL</u>
(E) Second Initial Flow Pressure	<u>119</u>	PSI (depth)		Sampler _____
(F) Second Final Flow Pressure	<u>120</u>	PSI (depth)		Straddle _____
(G) Final Shut-In Pressure	<u>1129</u>	PSI	<u>Initial Opening 30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1890</u>	PSI	<u>Initial Shut-In 30</u>	Shale Packer _____
			<u>Final Flow 30</u>	Ruined Packer <u>50</u>
			<u>Final Shut-In 30</u>	Mileage <u>40 miles \$ 250.00</u>
			<u>T-On Location 13:00 PM</u>	Sub Total: <u>\$ 1475.00</u>
			<u>T-Started 14:40 PM</u>	Std. By _____
			<u>T-Open 16:03 PM</u>	Acc. Chg: <u>1475</u>
			<u>T-Pulled 18:03 PM</u>	Other: _____
			<u>T-Out 19:40 PM</u>	Total: <u>\$ 1475.00</u>

Approved By Richard Bell  
 Our Representative [Signature]

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**CHART PAGE**

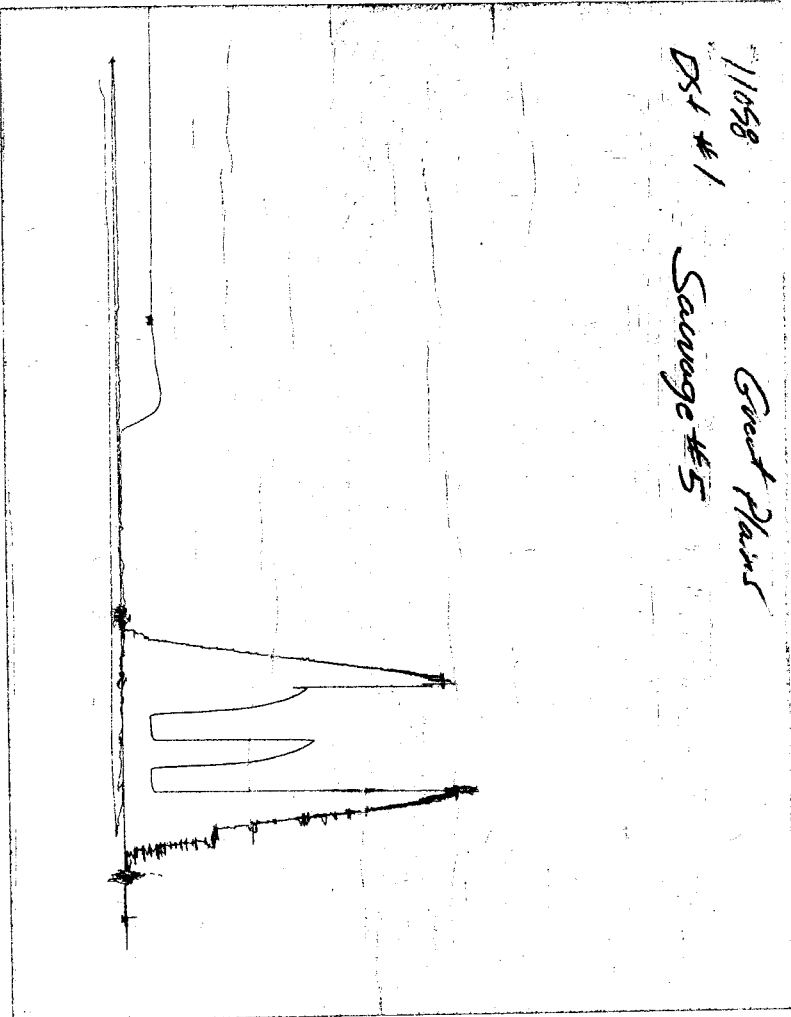
This is a photocopy of the actual AK-1 recorder chart.

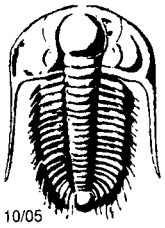
11058

Great Plains

DS1 #1

Savage #5





# TRILOBITE TESTING INC.

26610

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

Well Name & No. Sauvage #5 Test No. #2 Date 11/19/06  
 Company Great Plains Energy Inc. Zone Tested B  
 Address P.O. Box 292 Wahoo Neb 68066 Elevation 2838 KB 2833 GL  
 Co. Rep / Geo. Richard Bell Rig W3LW #4  
 Location: Sec. 35 Twp. 4 Rge. 30 Co. Deatur State Ks  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3932 3952 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 49,000  
 Anchor Length \_\_\_\_\_ 20 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000  
 Top Packer Depth \_\_\_\_\_ 3927 Tool Weight 1500  
 Bottom Packer Depth \_\_\_\_\_ 3932 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth \_\_\_\_\_ 3952 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 121'  
 Mud Wt. 9.2 LCM 1 1/2 Vis. 56 WL 6.8 Drill Pipe Size 4 1/2 X 14 Ft. Run 3812  
 Blow Description Packers failed @ open Reset failed again Pull Tool

Recovery - Total Feet 300' GIP \_\_\_\_\_ Ft. in DC 121 Ft. in DP 179  
 Rec. \_\_\_\_\_ Feet of Mud %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water 100 %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 1200 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1959	PSI	Recorder No.	<u>6667</u>	Test x	<u>\$ 900.00</u>
(B) First Initial Flow Pressure				PSI	(depth)	<u>3933</u>	Jar x	<u>\$ 250.00</u>
(C) First Final Flow Pressure				PSI	Recorder No.	<u>11058</u>	Safety Jt x	<u>\$ 75.00</u>
(D) Initial Shut-In Pressure				PSI	(depth)	<u>3947</u>	Circ Sub x	<u>n/c</u>
(E) Second Initial Flow Pressure				PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure				PSI	(depth)		Straddle	
(G) Final Shut-In Pressure				PSI	Initial Opening		Ext. Packer	
(Q) Final Hydrostatic Mud			<u>1933</u>	PSI	Initial Shut-In		Shale Packer	
TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.					Final Flow		Ruined Packer	
					Final Shut-In		Mileage x 40 RT	<u>\$ 50.00</u>
					T-On Location	<u>00:50 A.M.</u>	Sub Total:	<u>\$ 1275.00</u>
					T-Started	<u>01:20 A.M.</u>	Std. By	
T-Open	<u>03:20 A.M.</u>	Acc. Chg:						
T-Pulled	<u>03:25 A.M.</u>	Other:						
T-Out	<u>05:10 A.M.</u>	Total:	<u>\$ 1275.00</u>					

Approved By Richard Bell  
 Our Representative [Signature]

**CHART PAGE**

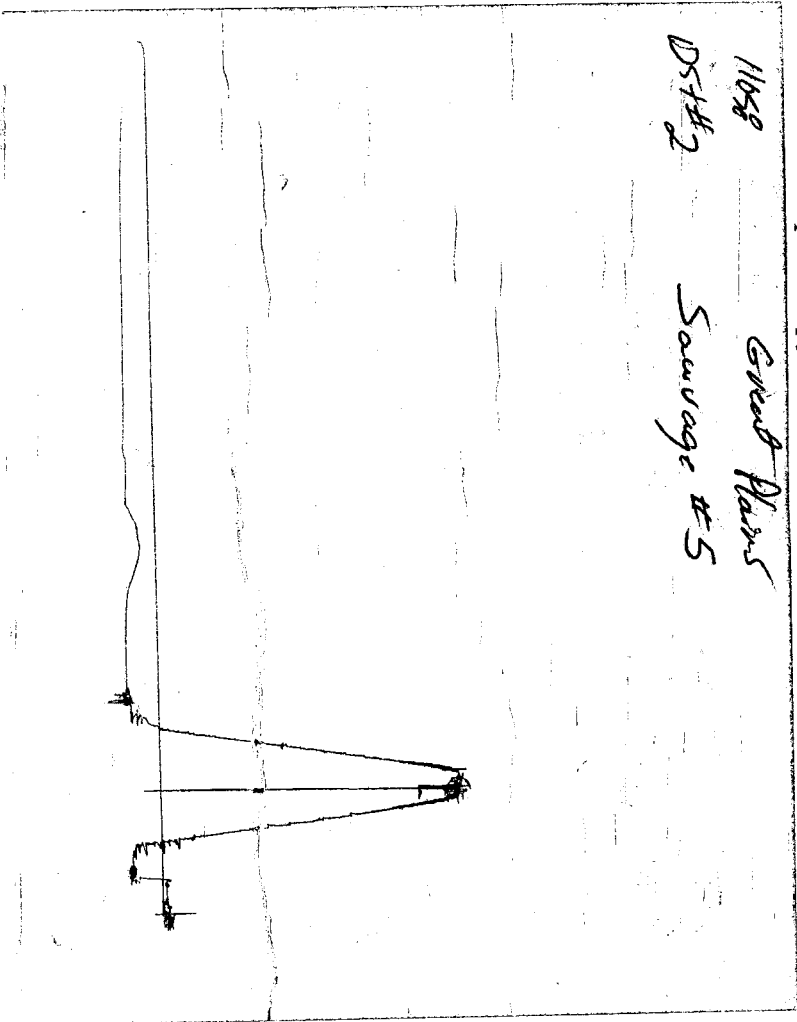
This is a photocopy of the actual AK-1 recorder chart.

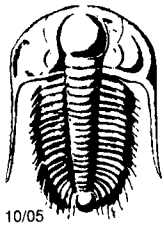
11/5/58

Great Plains

DST #2

Sawage #5





# TRILOBITE TESTING INC.

26611

P.O. Box 362 • Hays, Kansas 67601

## Test Ticket

Well Name & No. Savage #5 Test No. #3 Date 11/19/04  
 Company Great Plains Energy Inc. Zone Tested B  
 Address P.O. Box 2912 Wuhoo Ncb 68046 Elevation 2838 KB 2833 GL  
 Co. Rep / Geo. Richard Bell Rig W&W # 4  
 Location: Sec. 35 Twp. 4E Rge. 30W Co. Decatur State Ks  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3730 3952 Initial Str Wt./Lbs. 48,000 Unseated Str Wt./Lbs. 49,000  
 Anchor Length \_\_\_\_\_ 22 Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 65,000  
 Top Packer Depth \_\_\_\_\_ 3925 Tool Weight 1500  
 Bottom Packer Depth \_\_\_\_\_ 3930 Hole Size 7 7/8"  Rubber Size 6 3/4"   
 Total Depth \_\_\_\_\_ 3952 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 121'  
 Mud Wt. 9.2 LCM 1/2 Vis. 56 WL 6.4 Drill Pipe Size 4 1/2 X H Ft. Run 3812'  
 Blow Description 1/2" in @ open built to 2" in  
No return  
1/2" in @ open built to 2" in.  
No return

Recovery - Total Feet 70' GIP \_\_\_\_\_ Ft. in DC 70' Ft. in DP \_\_\_\_\_  
 Rec. 2' Feet of free oil %gas 100 %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. 68' Feet of MCO %gas 50 %oil \_\_\_\_\_ %water 50 %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud \_\_\_\_\_  
 BHT 110° °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 1200 ppm System

	AK-1	Alpine	Recorder No.	Test x
(A) Initial Hydrostatic Mud	<u>1986</u>	PSI	<u>6667</u>	<u>\$ 1100.00</u>
(B) First Initial Flow Pressure	<u>14</u>	PSI	(depth) <u>3931</u>	Jars x <u>250.00</u>
(C) First Final Flow Pressure	<u>31</u>	PSI	Recorder No. <u>11058</u>	Safety Jt x <u>75.00</u>
(D) Initial Shut-In Pressure	<u>1133</u>	PSI	(depth) <u>3947</u>	Circ Sub x <u>N/C</u>
(E) Second Initial Flow Pressure	<u>33</u>	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>47</u>	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>1067</u>	PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1938</u>	PSI	Initial Shut-In <u>60</u>	Shale Packer x <u>\$ 200.00</u>

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Approved By Richard Bell  
 Our Representative [Signature]  
 T-Started 08:45 A.M. T-Open 10:30 A.M.  
 T-On Location 08:45 A.M. T-Pulled 14:00 P.M.  
 T-Out 15:30 P.M. Total: \$ 1675.00

CHART PAGE

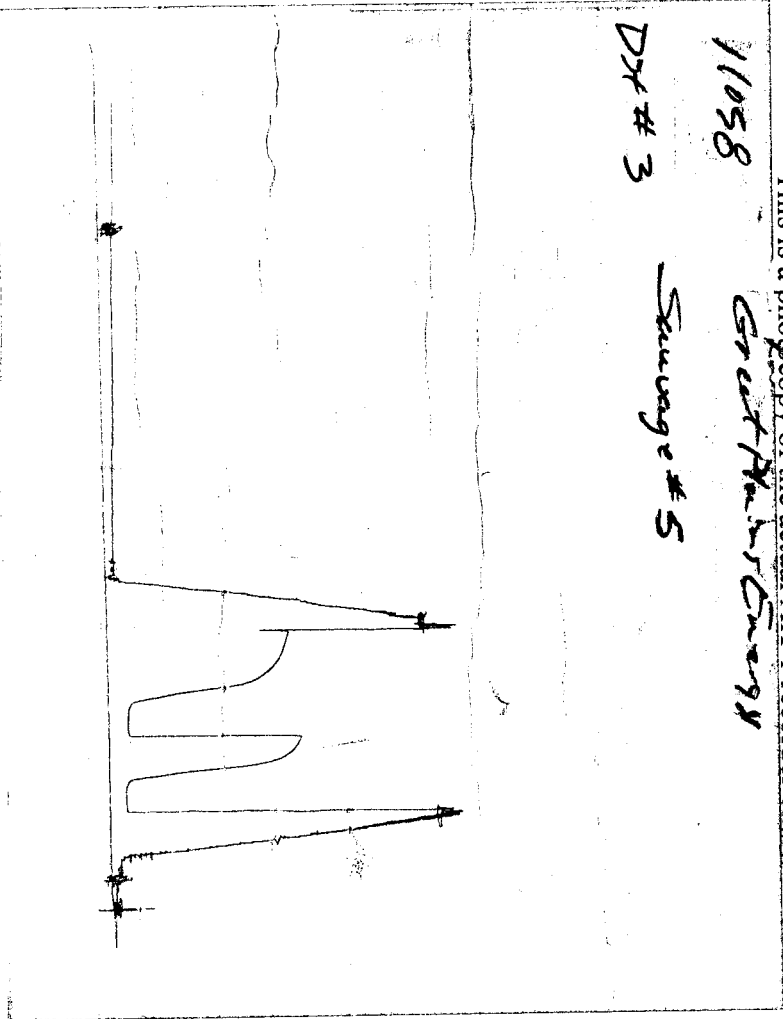
This is a photocopy of the actual AK-1 recorder chart.

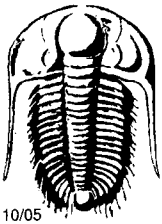
11058

Great Lakes Energy

DY # 3

Seepage # 5





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

26612

## Test Ticket

Well Name & No. Savage #5 Test No. #4 Date 11/20/06  
 Company Great Plains Energy Inc Zone Tested F  
 Address P.O. Box 297 Wahoo, Neb 68066 Elevation 2838 KB 2833 GL  
 Co. Rep / Geo. Richard Bell Rig W3W #4  
 Location: Sec. 35 Twp. 4s Rge. 30W Co. DeCATUR State K3  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3972 3995 Initial Str Wt./Lbs. 48000 Unseated Str Wt./Lbs. 49000  
 Anchor Length \_\_\_\_\_ 23 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 70000  
 Top Packer Depth \_\_\_\_\_ 3967 Tool Weight 1500  
 Bottom Packer Depth \_\_\_\_\_ 3972 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth \_\_\_\_\_ 3995 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 121'  
 Mud Wt. 9.2 LCM 1 1/2 Vis. 60 WL 6.4 Drill Pipe Size 4 1/2 x 4 Ft. Run 3843  
 Blow Description 1/4" in built to 3 1/4"

No return  
8" in @ open died back to 1" in.  
No return

Recovery - Total Feet	<u>220'</u>	GIP	_____	Ft. in DC	<u>121</u>	Ft. in DP	<u>99'</u>
Rec.	<u>40'</u>	Feet of	<u>MCO</u>	%gas	<u>65</u>	%oil	<u>35</u>
Rec.	<u>180'</u>	Feet of	<u>OCM</u>	%gas	<u>15</u>	%oil	<u>85</u>
Rec.	_____	Feet of	_____	%gas	_____	%oil	_____
Rec.	_____	Feet of	_____	%gas	_____	%oil	_____
Rec.	_____	Feet of	_____	%gas	_____	%oil	_____
BHT	<u>112°</u>	*F Gravity	_____	*API D @	_____	*F Corrected Gravity	_____
RW	_____	@	_____	*F Chlorides	_____	ppm Recovery	_____
				Chlorides	<u>1200</u>	ppm System	_____

(A) Initial Hydrostatic Mud	AK-1	Alpine	2006	PSI	Recorder No.	<u>6667</u>	Test X	<u>\$1100.00</u>
(B) First Initial Flow Pressure			<u>15</u>	PSI	(depth)	<u>3973</u>	Jars X	<u>250.00</u>
(C) First Final Flow Pressure			<u>40</u>	PSI	Recorder No.	<u>11058</u>	Safety Jt. X	<u>75.00</u>
(D) Initial Shut-In Pressure			<u>425</u>	PSI	(depth)	<u>3990</u>	Circ Sub X	<u>N/C</u>
(E) Second Initial Flow Pressure			<u>111</u>	PSI	Recorder No.	_____	Sampler	_____
(F) Second Final Flow Pressure			<u>112</u>	PSI	(depth)	_____	Straddle	_____
(G) Final Shut-In Pressure			<u>416</u>	PSI	Initial Opening	<u>30</u>	Ext. Packer	_____
(Q) Final Hydrostatic Mud			<u>1927</u>	PSI	Initial Shut-In	<u>600</u>	Shale Packer X	<u>\$200.00</u>

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Approved By	<u>Richard Bell</u>	T-Started	<u>21:35 P.M.</u>	Std. By	_____
Our Representative	<u>[Signature]</u>	T-Open	<u>23:10 P.M.</u>	Acc. Chg:	_____
		T-Pulled	<u>02:55 A.M.</u>	Other:	_____
		T-Out	<u>05:00 A.M.</u>	Total:	<u>\$1925.00</u>

