

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy Inc**

429 N Linden
PO Box 292
Wahoo NE 68066

ATTN: Rich Bell

36 4S 30W Decatur KS

Wasson Brothers Farms #6

Start Date: 2006.11.12 @ 18:08:20

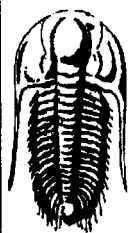
End Date: 2006.11.13 @ 01:42:59

Job Ticket #: 26043 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

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429 N Linden
PO Box 292
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ATTN: Rich Bell

Wasson Brothers Farms #6

36 4S 30W Decatur KS

Job Ticket: 26043

DST#: 1

Test Start: 2006.11.12 @ 18:08:20

GENERAL INFORMATION:

Formation: **Lansing-Kansas City**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:09:30

Time Test Ended: 01:42:59

Test Type: Conventional Straddle

Tester: Jake Fahrenbruch

Unit No: 22

Interval: **3980.00 ft (KB) To 4011.00 ft (KB) (TVD)**

Total Depth: 4198.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2839.00 ft (KB)

2834.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 22.01 psig @ 3981.00 ft (KB)

Start Date: 2006.11.12

End Date:

2006.11.13

Start Time: 18:08:22

End Time:

01:43:00

Capacity: 7000.00 psig

Last Calib.: 2006.11.13

Time On Btm: 2006.11.12 @ 20:09:20

Time Off Btm: 2006.11.12 @ 23:10:40

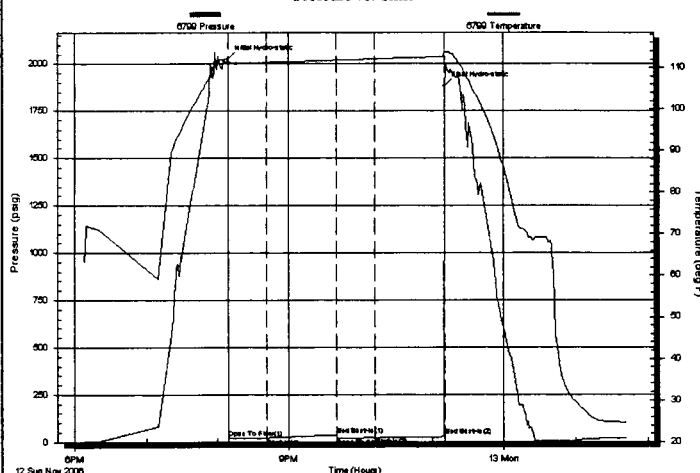
TEST COMMENT: IF Weak blow built to .5 " @ 15 min. slowly died off

ISI No blow back

FF No blow

FSI No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2025.78	112.12	Initial Hydro-static
1	20.33	111.10	Open To Flow (1)
33	21.45	111.30	Shut-In (1)
91	36.33	111.80	End Shut-In (1)
91	21.40	111.80	Open To Flow (2)
123	22.01	112.09	Shut-In (2)
182	27.25	112.62	End Shut-In (2)
182	1882.89	114.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

Gas Rates

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

Great Plains Energy Inc

429 N Linden
PO Box 292
Wahoo NE 68066
ATTN: Rich Bell

Wasson Brothers Farms #6

36 4S 30W Decatur KS

Job Ticket: 26043

DST#: 1

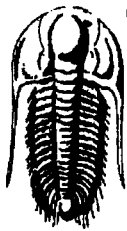
Test Start: 2006.11.12 @ 18:08:20

Tool Information

Drill Pipe:	Length: 3600.00 ft	Diameter: 3.80 inches	Volume: 50.50 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: 20000.00 lb
Drill Collar:	Length: 362.00 ft	Diameter: 2.25 inches	Volume: 1.78 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	52.28 bbl	Tool Chased 1.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	3980.00 ft			Final 67000.00 lb
Depth to Bottom Packer:	4011.00 ft			
Interval between Packers:	31.00 ft			
Tool Length:	196.00 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			3957.00		
Hydraulic tool	5.00			3962.00		
Jars	5.00			3967.00		
Safety Joint	3.00			3970.00		
Packer	5.00			3975.00	28.00	Bottom Of Top Packer
Packer	5.00			3980.00		
Stubb	1.00			3981.00		
Recorder	0.00	6799	Inside	3981.00		
Perforations	27.00			4008.00		
Recorder	0.00	10270	Outside	4008.00		
Blank Off Sub	3.00			4011.00	31.00	Tool Interval
Packer	3.00			4014.00		
Perforations	5.00			4019.00		
Blank Spacing	126.00			4145.00		
Recorder	0.00	3354	Fluid	4145.00		
Bullnose	3.00			4148.00	137.00	Bottom Packers & Anchor
Total Tool Length:		196.00				



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FLUID SUMMARY

Great Plains Energy Inc

Wasson Brothers Farms #6

429 N Linden
PO Box 292
Wahoo NE 68066
ATTN: Rich Bell

36 4S 30W Decatur KS

Job Ticket: 26043 **DST#: 1**

Test Start: 2006.11.12 @ 18:08:20

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 0.04 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.010

Total Length: 2.00 ft

Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

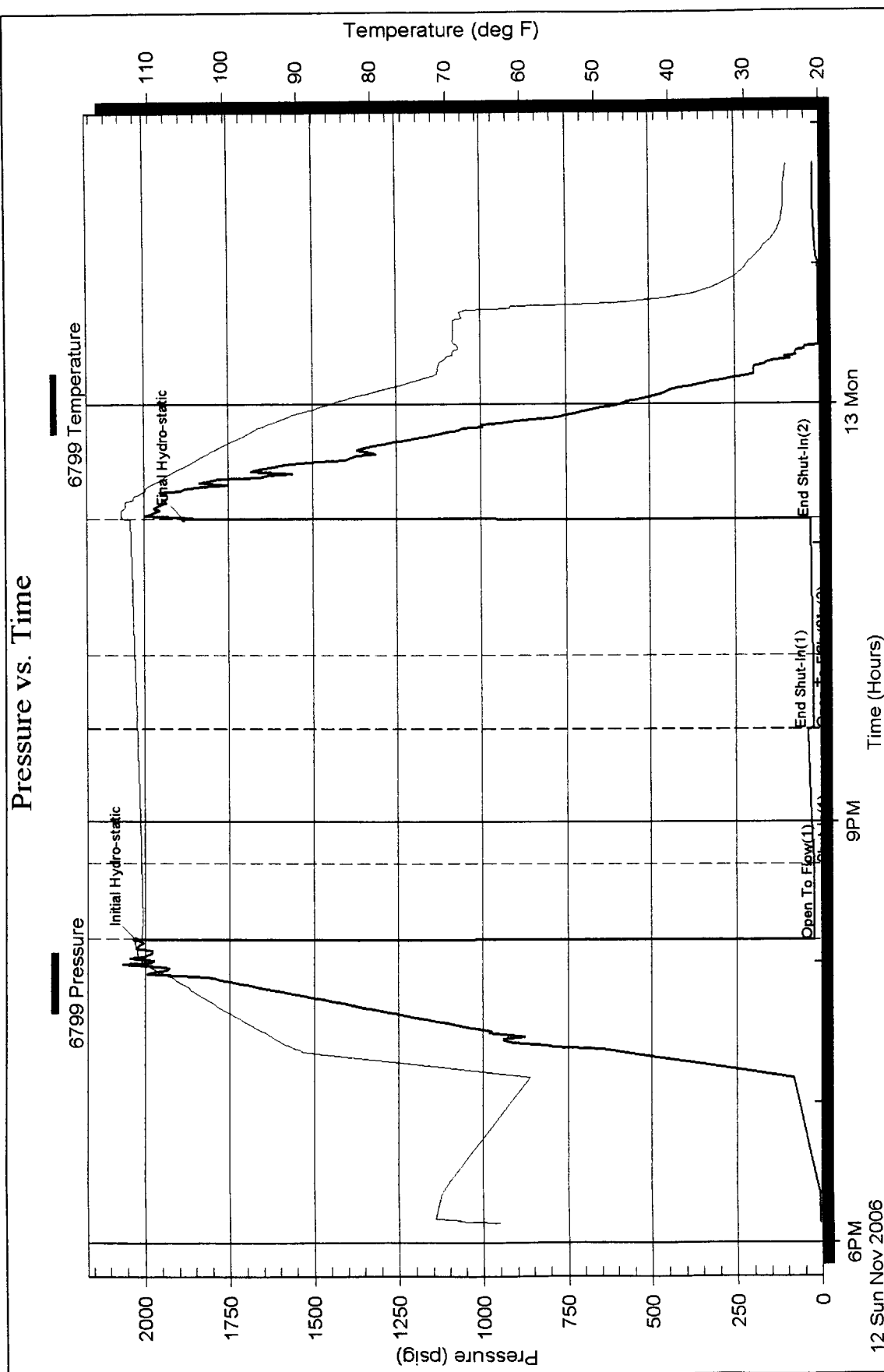
DST Test Number: 1

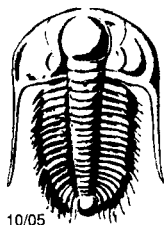
36 4S 30W Decatur KS

Great Plains Energy Inc

Inside

Serial #: 6799





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

9575 ✓

26043-

Test Ticket

Well Name & No. Wasson Brothers Farms #6 Test No. 1 Date 11-12-06
 Company Great Plains Energy, Inc. Zone Tested LKC "F"
 Address 429 N Linden, P.O. Box 292, Wahoo, NE 68066 Elevation 2839 KB 2834 GL
 Co. Rep / Geo. Rich Bell Rig WW #4
 Location: Sec. 36 Twp. 4s Rge. 30w Co. Decatur State Kansas
 Comment: _____ Release date / time: _____

Interval Tested 3980-4011 Initial Str Wt./Lbs. 67,000* Unseated Str Wt./Lbs. 67,000
 Anchor Length 31 Wt. Set Lbs. 20000* Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 3975-3980 Tool Weight 2500*
 Bottom Packer Depth 4011 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES
 Total Depth 4198 Wt. Pipe Run NONE Drill Collar Run 362
 Mud Wt. 9.3 LCM 1/2" Vis. 58 WL 6.4 Drill Pipe Size 4 1/2" X 14 Ft. Run ~~3600~~ 3600
 Blow Description IF: Weak blow built to 1/2" @ 15 min, slowly died off.

IS: No blowback.

FF: No blow.

FS: No blowback.

Recovery - Total Feet 2 GIP 0 Ft. in DC 2 Ft. in DP 0
 Rec. 2 Feet of Dry 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 112.62 °F Gravity NA °API D @ _____ °F Corrected Gravity _____ °API
 RW NC @ _____ °F Chlorides _____ ppm Recovery _____ Chlorides 800 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	2009	PSI	Recorder No.	6799	Test ★ 1200-
(B) First Initial Flow Pressure	20	PSI	(depth)	3981	Jars ★ 250
(C) First Final Flow Pressure	21	PSI	Recorder No.	10270	Safety Jt. ★ 75
(D) Initial Shut-In Pressure	36	PSI	(depth)	4011	Circ Sub ★ NC
(E) Second Initial Flow Pressure	21	PSI	Recorder No.	3354	Sampler —
(F) Second Final Flow Pressure	22	PSI	(depth)	4195	Straddle ★ 600
(G) Final Shut-In Pressure	27	PSI	Initial Opening	30	Ext. Packer —
(Q) Final Hydrostatic Mud	2010	PSI	Initial Shut-In	60	Shale Packer —
			Final Flow	30	Ruined Packer —
			Final Shut-In	60	Mileage 37 R.T. 46.2
			T-On Location	16:45	Sub Total: _____
			T-Started	18:09 1H 10M	Std. By _____
			T-Open	20:	Acc. Chg: _____
			T-Pulled	23:	Other: _____
			T-Out	01:00	Total: _____

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 Jacob E. Johnson
Thank you

CHART PAGE

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

Wasson Bro #6
Great Plains
Dist #1
Serial #10270 3980-901
JF

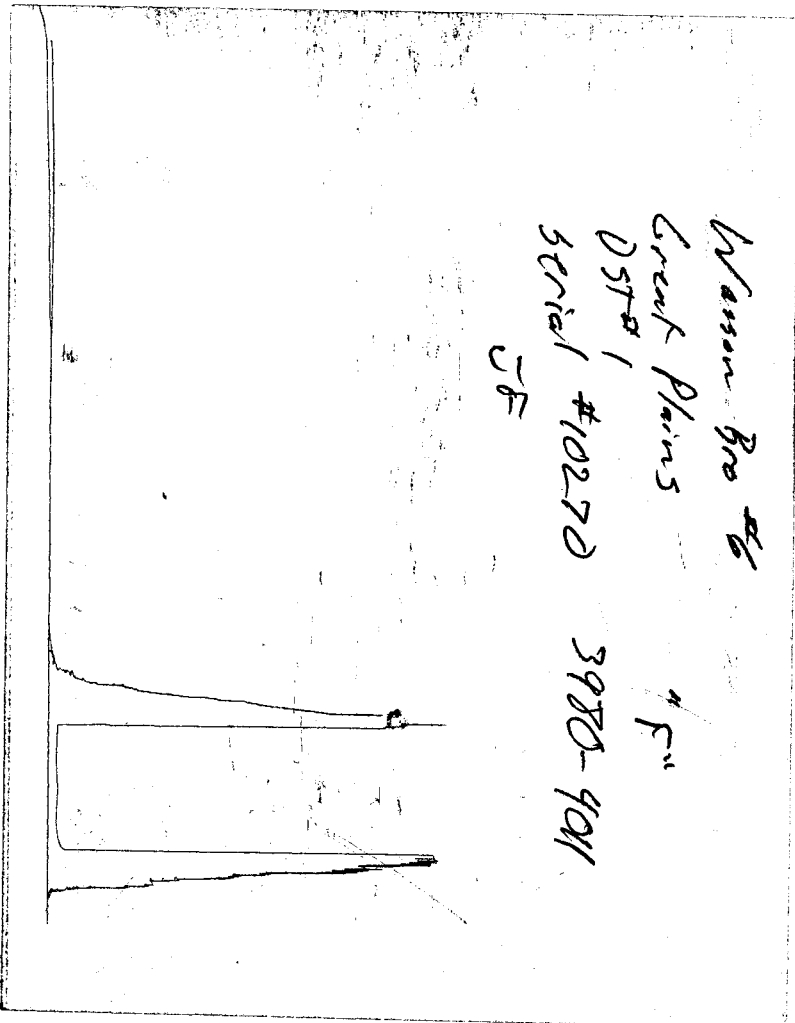


CHART PAGE

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

Wason Bore #6

Great Plains

'P"

DST #1 11-13-06

3980-4000

Shadelle recorder

Serial #3354

JF

