



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1075463

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

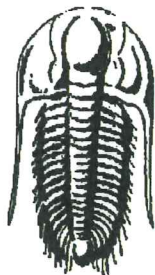
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

6121 S. 58th St. STE- B
Wahoo, NE 68516

ATTN: Rich Bell

16-1s-27w Decatur,KS

Hanchera #1-16

Start Date: 2011.09.06 @ 11:09:00

End Date: 2011.09.06 @ 17:27:45

Job Ticket #: 43770 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

ORIGINAL

Printed: 2011.09.15 @ 10:27:50

Great Plains Energy, Inc.

Hanchera #1-16

16-1s-27w Decatur,KS

DST # 1

LKC "A"

2011.09.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy, Inc.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur,KS

ATTN: Rich Bell

Job Ticket: 43770

DST#: 1

Test Start: 2011.09.06 @ 11:09:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:56:15

Time Test Ended: 17:27:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: **3226.00 ft (KB) To 3277.00 ft (KB) (TVD)**

Reference Elevations: 2581.00 ft (KB)

Total Depth: 3277.00 ft (KB) (TVD)

2576.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 39.28 psig @ 3227.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.06

End Date: 2011.09.06

Last Calib.: 2011.09.06

Start Time: 11:09:05

End Time: 17:27:44

Time On Btm: 2011.09.06 @ 12:56:00

Time Off Btm: 2011.09.06 @ 15:56:15

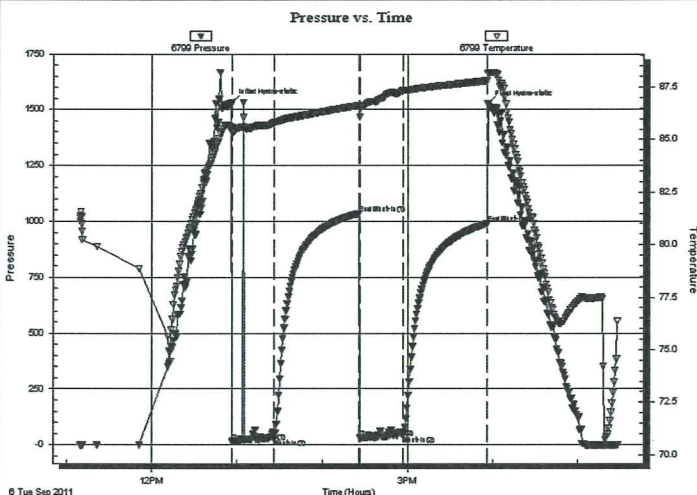
TEST COMMENT: IF- No Blow . Flushed tool at 9 min. Weak surface blow did not build or die.

IS- No Return

FF- No Blow

FS- No Return

PRESSURE SUMMARY



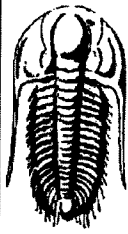
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1533.27	85.60	Initial Hydro-static
1	15.39	85.32	Open To Flow (1)
31	28.62	85.82	Shut-In(1)
90	1035.88	86.64	End Shut-In(1)
91	30.44	86.08	Open To Flow (2)
121	39.28	87.33	Shut-In(2)
180	989.53	87.80	End Shut-In(2)
181	1525.34	88.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100M	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.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur,KS

Job Ticket: 43770

DST#: 1

ATTN: Rich Bell

Test Start: 2011.09.06 @ 11:09:00

Tool Information

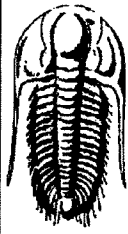
Drill Pipe:	Length: 2710.00 ft	Diameter: 3.80 inches	Volume: 38.01 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 517.00 ft	Diameter: 2.25 inches	Volume: 2.54 bbl	Weight to Pull Loose: 67000.00 lb
			<u>Total Volume: 40.55 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3226.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	80.00 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			3198.00	
Shut In Tool	5.00			3203.00	
Hydraulic tool	5.00			3208.00	
Jars	5.00			3213.00	
Safety Joint	3.00			3216.00	
Packer	5.00			3221.00	29.00 Bottom Of Top Packer
Packer	5.00			3226.00	
Stubb	1.00			3227.00	
Recorder	0.00	8648	Inside	3227.00	
Recorder	0.00	6799	Inside	3227.00	
Perforations	12.00			3239.00	
Change Over Sub	1.00			3240.00	
Drill Pipe	31.00			3271.00	
Change Over Sub	1.00			3272.00	
Bullnose	5.00			3277.00	51.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur,KS

Job Ticket: 43770

DST#: 1

ATTN: Rich Bell

Test Start: 2011.09.06 @ 11:09:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100M	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:

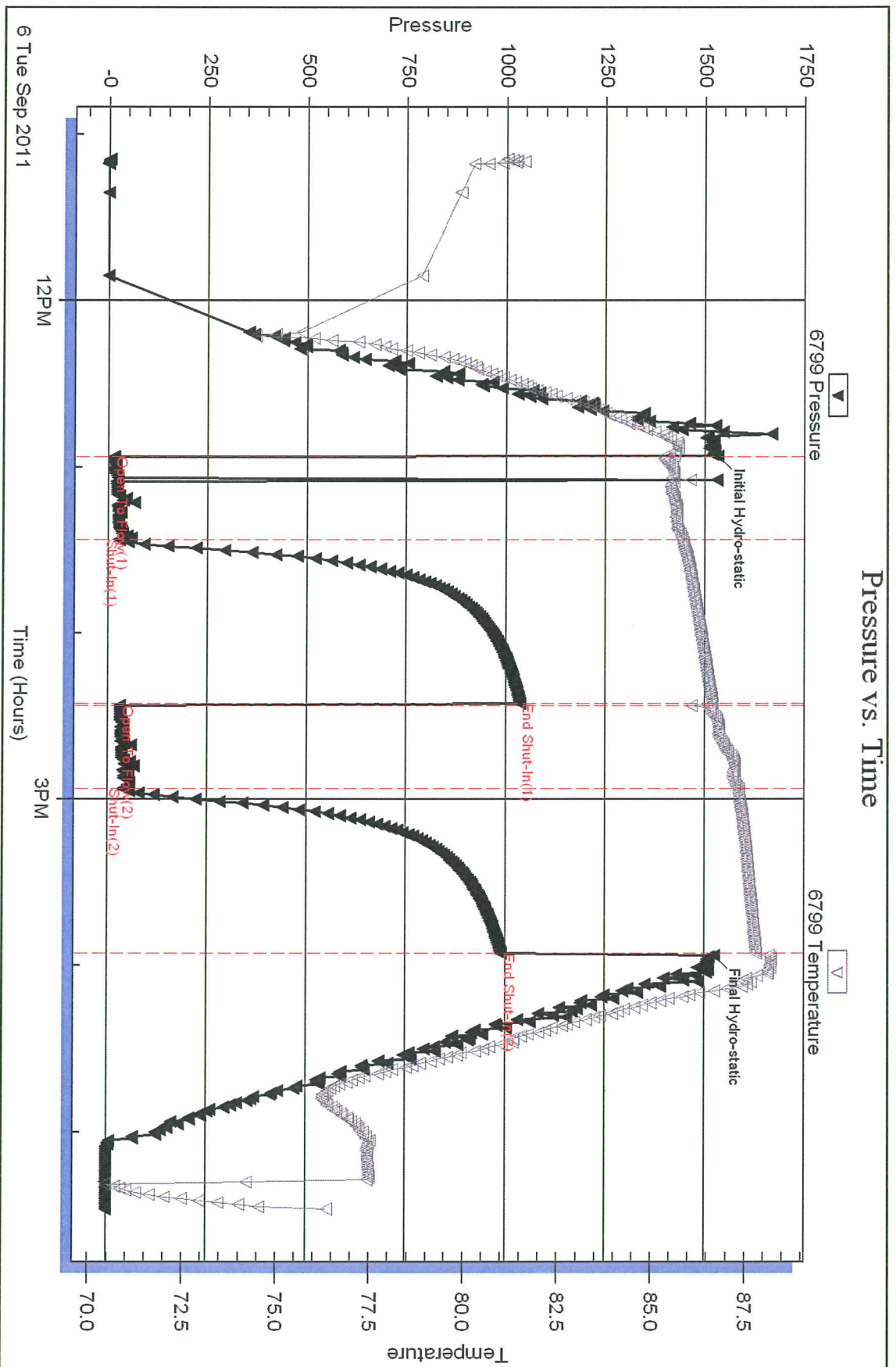
Serial #: 6799

Inside

Great Plains Energy, Inc.

16-1s-27w Decatur, KS

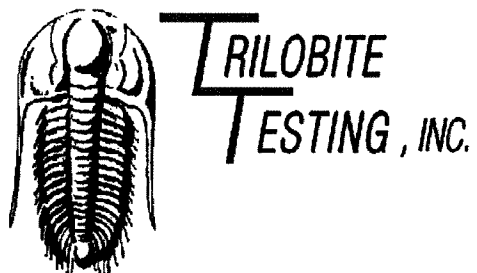
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 43770

Printed: 2011.09.15 @ 10:27:52



DRILL STEM TEST REPORT

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

6121 S. 58th St. STE- B
Wahoo, NE 68516

ATTN: Rich Bell

16-1s-27w Decatur,KS

Hanchera #1-16

Start Date: 2011.09.07 @ 00:49:00

End Date: 2011.09.07 @ 08:31:30

Job Ticket #: 43771 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2011.09.15 @ 10:29:04

Great Plains Energy, Inc.

Hanchera #1-16

16-1s-27w Decatur,KS

DST # 2

LKC "C-D"

2011.09.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy, Inc.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur,KS

ATTN: Rich Bell

Job Ticket: 43771

DST#: 2

Test Start: 2011.09.07 @ 00:49:00

GENERAL INFORMATION:

Formation: **LKC "C-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:25:45

Time Test Ended: 08:31:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: **3276.00 ft (KB) To 3318.00 ft (KB) (TVD)**

Reference Elevations: 2581.00 ft (KB)

Total Depth: 3318.00 ft (KB) (TVD)

2576.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 46.84 psig @ 3277.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.07 End Date: 2011.09.07

Last Calib.: 2011.09.07

Start Time: 00:49:05 End Time: 08:31:29

Time On Btm: 2011.09.07 @ 02:25:00

Time Off Btm: 2011.09.07 @ 06:13:15

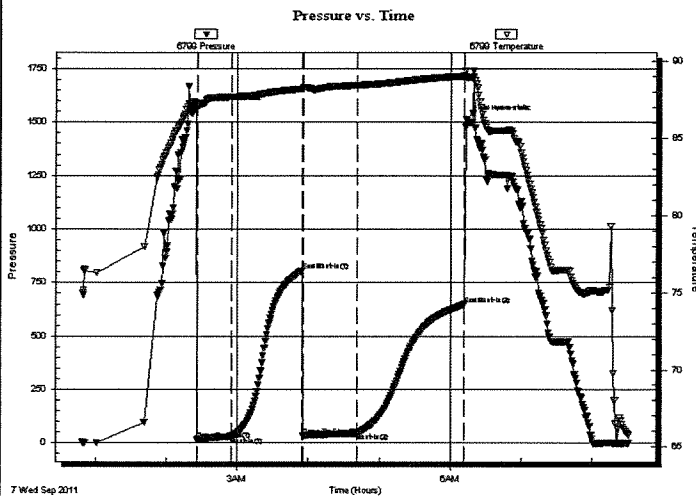
TEST COMMENT: IF- Surface blow built to 2 3/4"

IS- No Return

FF- Surface blow built to 3"

FS- No Return

PRESSURE SUMMARY



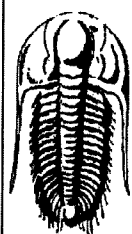
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1558.72	87.33	Initial Hydro-static
1	16.95	87.08	Open To Flow (1)
30	31.06	87.68	Shut-In(1)
90	807.04	88.21	End Shut-In(1)
91	33.18	88.31	Open To Flow (2)
137	46.84	88.44	Shut-In(2)
227	650.11	89.04	End Shut-In(2)
229	1516.19	88.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	OCM 40o 60M	0.34

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy, Inc.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur,KS

Job Ticket: 43771

DST#: 2

ATTN: Rich Bell

Test Start: 2011.09.07 @ 00:49:00

Tool Information

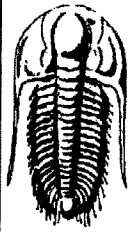
Drill Pipe:	Length: 2740.00 ft	Diameter: 3.80 inches	Volume: 38.43 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 517.00 ft	Diameter: 2.25 inches	Volume: 2.54 bbl	Weight to Pull Loose: 68000.00 lb
		Total Volume:	40.97 bbl	Tool Chased ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3276.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	71.00 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			3248.00	
Shut In Tool	5.00			3253.00	
Hydraulic tool	5.00			3258.00	
Jars	5.00			3263.00	
Safety Joint	3.00			3266.00	
Packer	5.00			3271.00	29.00 Bottom Of Top Packer
Packer	5.00			3276.00	
Stubb	1.00			3277.00	
Recorder	0.00	8648	Inside	3277.00	
Recorder	0.00	6799	Inside	3277.00	
Perforations	5.00			3282.00	
Change Over Sub	1.00			3283.00	
Drill Pipe	31.00			3314.00	
Change Over Sub	1.00			3315.00	
Bullnose	3.00			3318.00	42.00 Bottom Packers & Anchor

Total Tool Length: 71.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur,KS

Job Ticket: 43771

DST#: 2

ATTN: Rich Bell

Test Start: 2011.09.07 @ 00:49:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.58 in³

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 bbf
70.00	OCM 40o 60M	0.344

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: Show of free oil in tool

Serial #: 6799

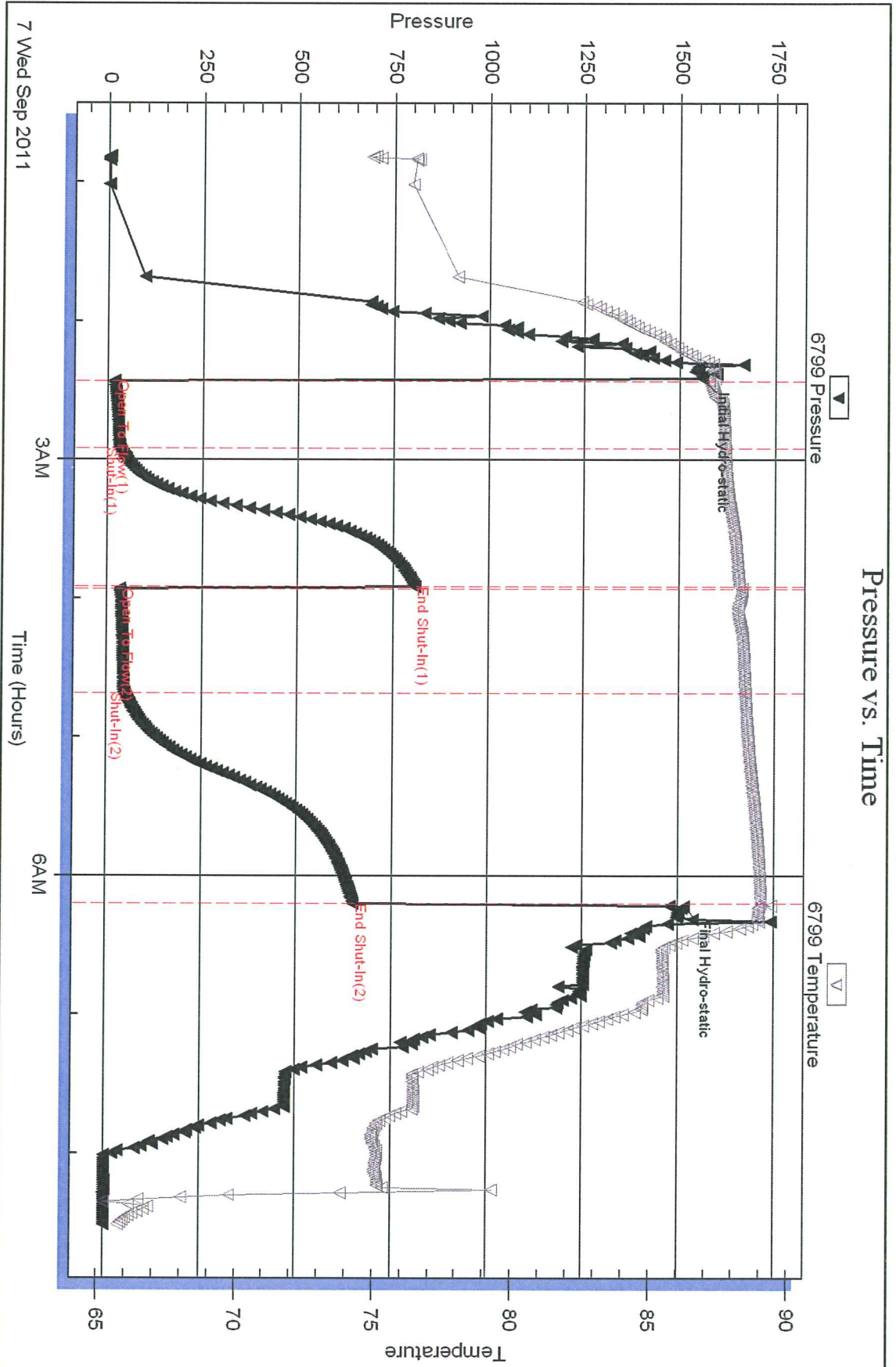
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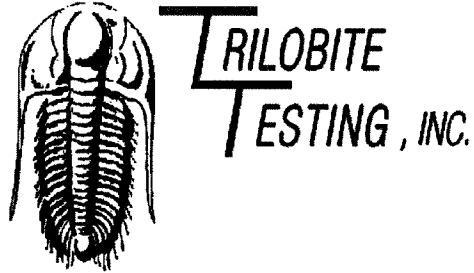
Great Plains Energy, Inc.

16-1s-27w Decatur, KS

DST Test Number: 2

Pressure vs. Time





DRILL STEM TEST REPORT

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

6121 S. 58th St. STE- B
Wahoo, NE 68516

ATTN: Rich Bell

16-1s-27w Decatur,KS

Hanchera #1-16

Start Date: 2011.09.07 @ 15:40:00

End Date: 2011.09.07 @ 22:46:45

Job Ticket #: 43772 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Plains Energy, Inc.

Hanchera #1-16

16-1s-27w Decatur,KS

DST # 3

LKC "F,G,H"

2011.09.07



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy, Inc.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur,KS

ATTN: Rich Bell

Job Ticket: 43772

DST#: 3

Test Start: 2011.09.07 @ 15:40:00

GENERAL INFORMATION:

Formation: **LKC "F,G,H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:28:00

Time Test Ended: 22:46:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: **3318.00 ft (KB) To 3393.00 ft (KB) (TVD)**

Reference Elevations: 2581.00 ft (KB)

Total Depth: 3393.00 ft (KB) (TVD)

2576.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 71.32 psig @ 3319.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.07 End Date: 2011.09.07

Last Calib.: 2011.09.07

Start Time: 15:40:05 End Time: 22:46:44

Time On Btm: 2011.09.07 @ 17:27:30

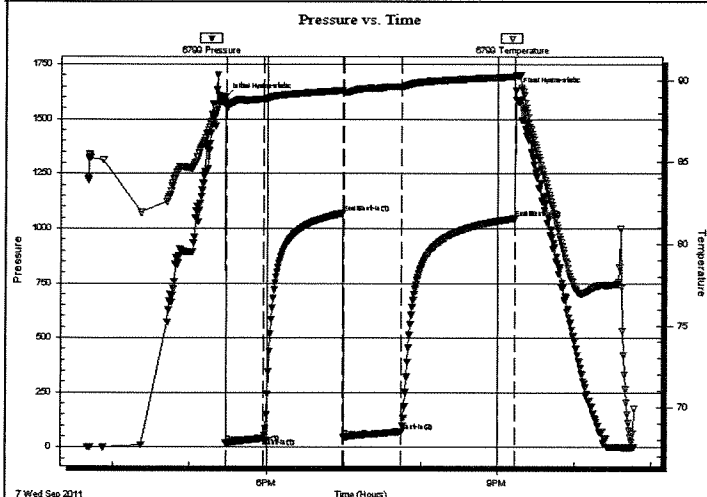
Time Off Btm: 2011.09.07 @ 21:13:45

TEST COMMENT: IF- 1/4" Blow built to 2 1/2"

IS- No Return

FF- Weak Surface blow started at 5 min. Built to 3/4" then died back to 1/8"

FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1602.00	88.72	Initial Hydro-static
1	18.64	88.37	Open To Flow (1)
30	42.67	88.86	Shut-In(1)
92	1069.87	89.39	End Shut-In(1)
92	45.83	89.27	Open To Flow (2)
137	71.32	89.62	Shut-In(2)
226	1046.82	90.22	End Shut-In(2)
227	1628.63	90.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OSM 100M (oil spots)	0.59

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy, Inc.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur, KS

Job Ticket: 43772

DST#: 3

ATTN: Rich Bell

Test Start: 2011.09.07 @ 15:40:00

Tool Information

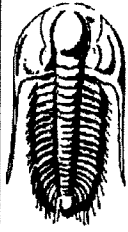
Drill Pipe:	Length: 2804.00 ft	Diameter: 3.80 inches	Volume: 39.33 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 517.00 ft	Diameter: 2.25 inches	Volume: 2.54 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 41.87 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3318.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	104.00 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			3290.00	
Shut In Tool	5.00			3295.00	
Hydraulic tool	5.00			3300.00	
Jars	5.00			3305.00	
Safety Joint	3.00			3308.00	
Packer	5.00			3313.00	29.00 Bottom Of Top Packer
Packer	5.00			3318.00	
Stubb	1.00			3319.00	
Recorder	0.00	8648	Inside	3319.00	
Recorder	0.00	6799	Inside	3319.00	
Perforations	5.00			3324.00	
Change Over Sub	1.00			3325.00	
Drill Pipe	62.00			3387.00	
Change Over Sub	1.00			3388.00	
Bullnose	5.00			3393.00	75.00 Bottom Packers & Anchor

Total Tool Length: 104.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur,KS

Job Ticket: 43772

DST#: 3

ATTN: Rich Bell

Test Start: 2011.09.07 @ 15:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 5.58 in³

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
120.00	OSM 100M (oil spots)	0.590

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

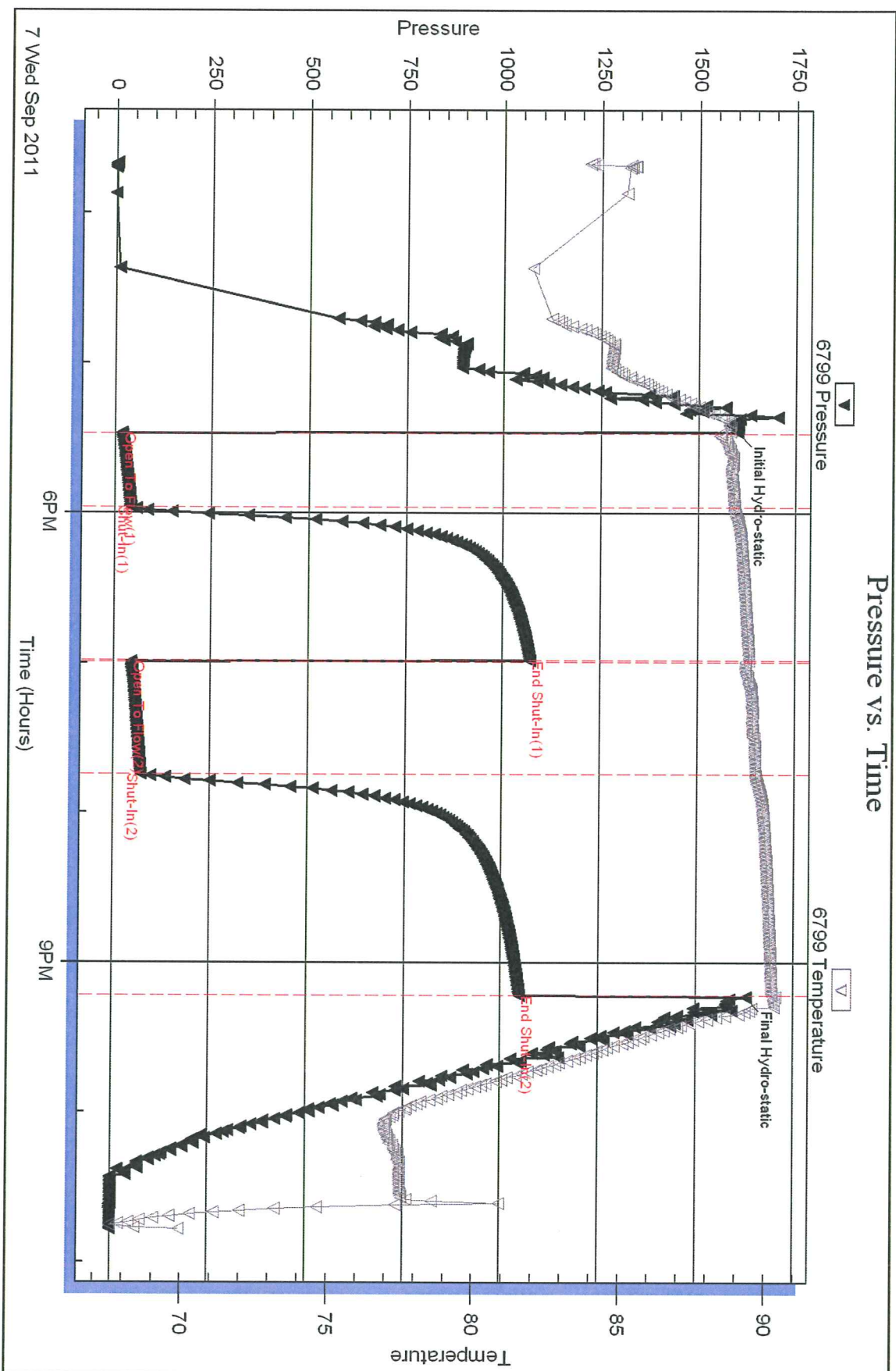
Serial #: 6799

Inside

Great Plains Energy, Inc.

16-1s-27w Decatur, KS

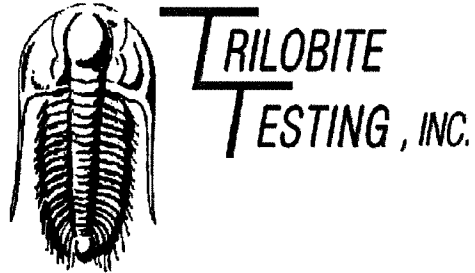
DST Test Number: 3



Triobite Testing, Inc

Ref. No: 43772

Printed: 2011.09.15 @ 10:29:28



DRILL STEM TEST REPORT

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

6121 S. 58th St. STE- B
Wahoo, NE 68516

ATTN: Rich Bell

16-1s-27w Decatur,KS

Hanchera #1-16

Start Date: 2011.09.08 @ 08:00:00

End Date: 2011.09.08 @ 14:51:15

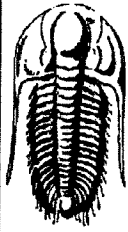
Job Ticket #: 43773 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Great Plains Energy, Inc. Hanchera #1-16 16-1s-27w Decatur,KS DST # 4 LKC "J.K.L." 2011.09.08



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy, Inc.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur,KS

Job Ticket: 43773

DST#: 4

ATTN: Rich Bell

Test Start: 2011.09.08 @ 08:00:00

GENERAL INFORMATION:

Formation: **LKC "J,K,L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:48:30

Time Test Ended: 14:51:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 43

Interval: **3395.00 ft (KB) To 3484.00 ft (KB) (TVD)**

Reference Elevations: 2581.00 ft (KB)

Total Depth: 3484.00 ft (KB) (TVD)

2576.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6799

Inside

Press@RunDepth: 22.43 psig @ 3396.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.08

End Date:

2011.09.08

Last Calib.: 2011.09.08

Start Time: 08:00:05

End Time:

14:51:14

Time On Btm: 2011.09.08 @ 09:48:15

Time Off Btm: 2011.09.08 @ 12:50:30

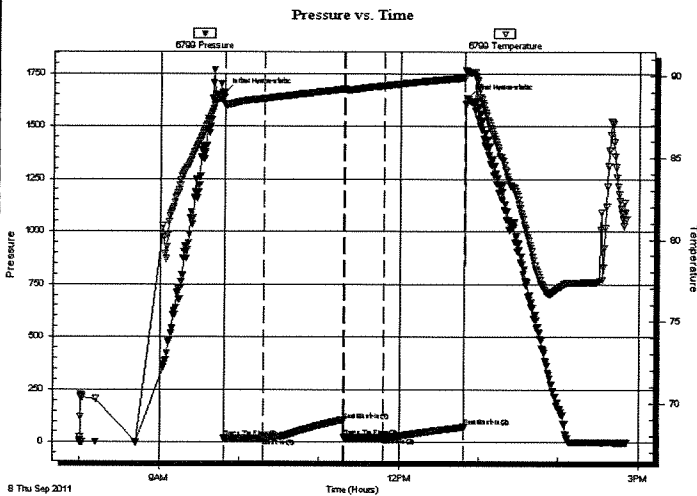
TEST COMMENT: IF- 1/8" Blow built to 1/2". Blow began to die at 25 min.

IS- No Return

FF- No Blow

FS- No Return

PRESSURE SUMMARY



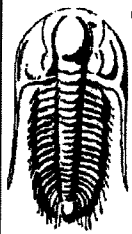
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.29	88.68	Initial Hydro-static
1	18.59	88.21	Open To Flow (1)
30	20.90	88.62	Shut-In(1)
90	104.05	89.20	End Shut-In(1)
91	21.92	89.18	Open To Flow (2)
120	22.43	89.41	Shut-In(2)
181	72.43	89.90	End Shut-In(2)
183	1633.78	90.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy, Inc.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur, KS

Job Ticket: 43773

DST#: 4

ATTN: Rich Bell

Test Start: 2011.09.08 @ 08:00:00

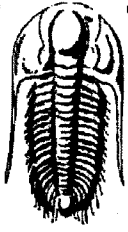
Tool Information

Drill Pipe:	Length: 2864.00 ft	Diameter: 3.80 inches	Volume: 40.17 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: 25000.00 lb
Drill Collar:	Length: 517.00 ft	Diameter: 2.25 inches	Volume: 2.54 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	42.71 bbl	Tool Chased: ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3395.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	118.00 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			3367.00	
Shut In Tool	5.00			3372.00	
Hydraulic tool	5.00			3377.00	
Jars	5.00			3382.00	
Safety Joint	3.00			3385.00	
Packer	5.00			3390.00	29.00 Bottom Of Top Packer
Packer	5.00			3395.00	
Stubb	1.00			3396.00	
Recorder	0.00	8648	Inside	3396.00	
Recorder	0.00	6799	Inside	3396.00	
Perforations	19.00			3415.00	
Change Over Sub	1.00			3416.00	
Drill Pipe	62.00			3478.00	
Change Over Sub	1.00			3479.00	
Bullnose	5.00			3484.00	89.00 Bottom Packers & Anchor
Total Tool Length:	118.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Hanchera #1-16

6121 S. 58th St. STE- B
Wahoo, NE 68516

16-1s-27w Decatur,KS

Job Ticket: 43773

DST#: 4

ATTN: Rich Bell

Test Start: 2011.09.08 @ 08:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.98 in³

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 bbf
5.00	Mud 100M	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

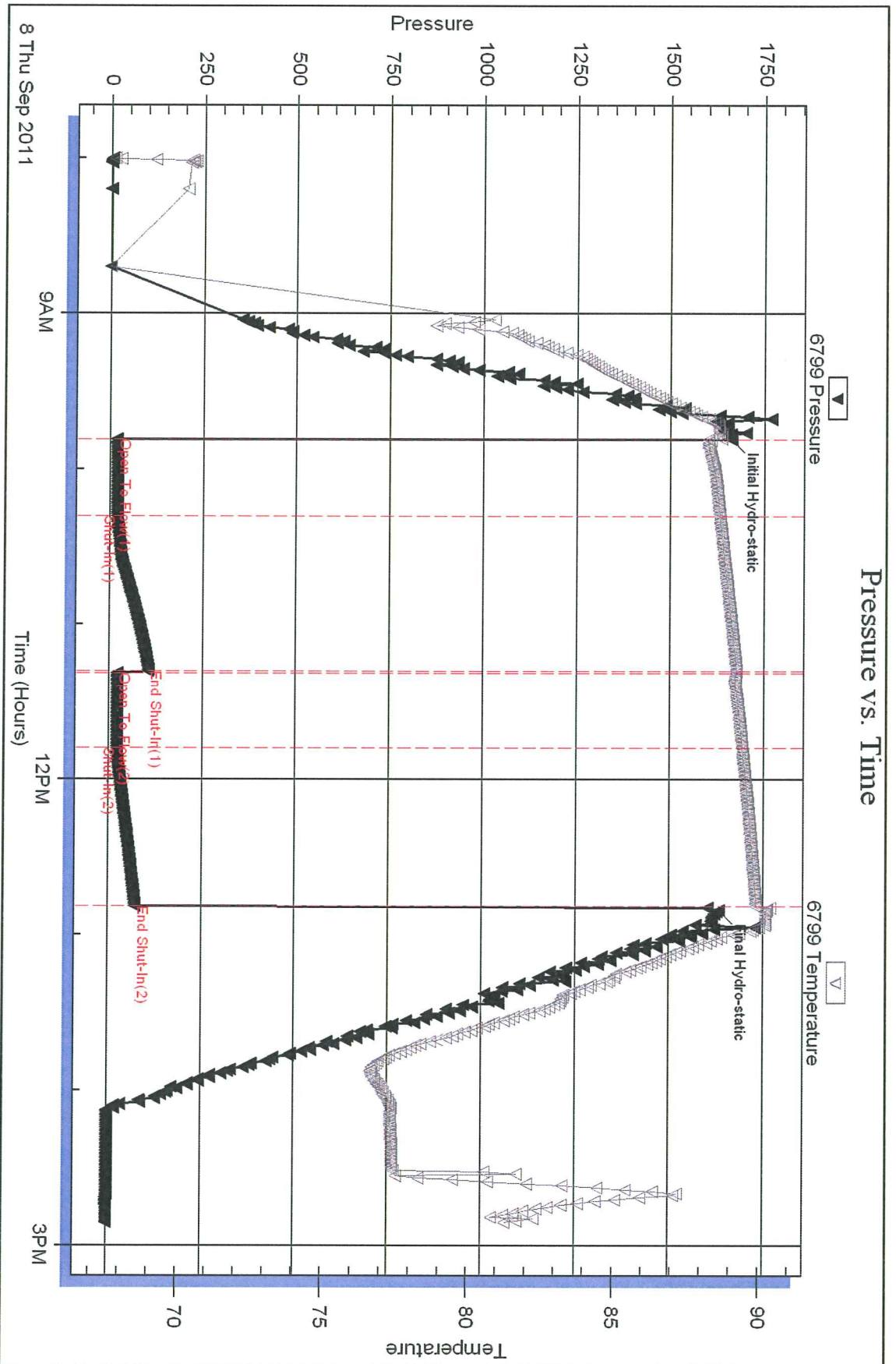
Serial #: 6799

Inside

Great Plains Energy, Inc.

16-1s-27w Decatur, KS

DST Test Number: 4



Triblodge Testing, Inc

Ref. No: 43773

Printed: 2011.09.15 @ 10:29:45

ALLIED CEMENTING CO., LLC. 043492

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Dakley

DATE <u>9-9-11</u>	SEC. <u>16</u>	TWP. <u>15</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00am</u>	JOB FINISH <u>11:30am</u>
LEASE <u>Hancheta</u>	WELL # <u>1-16</u>	LOCATION <u>Oberlin 8E 10N</u>	COUNTY <u>Decatur</u>	STATE <u>KS</u>			
OLD OR <u>NEW</u> (Circle one)		<u>1/4 E Sinto</u>					

CONTRACTOR murf'n 3

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D.

CASING SIZE 4 1/2 DEPTH 3632.11

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL Port collar DEPTH 1979.96

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 38.96

CEMENT LEFT IN CSG. 38.96

PERFS.

DISPLACEMENT 57.21

OWNER same

CEMENT

AMOUNT ORDERED 180 sks com

100 salt 20 gel 500 gal WFR-2

1 gal cla-pro

COMMON 180 sks @ 16.25 = 2925.00

POZMIX @

GEL 3 sks @ 21.25 = 63.75

CHLORIDE @

ASC @

salt 18 sks @ 23.25 = 418.50

cla-pro 1 gal @ 31.25

500 gal WFR-2 @ 1.27 = 635.00

HANDLING 20 sks @ 2.25 = 45.00

MILEAGE 114 sk/mile = 1768.80

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

~~#404-281~~ HELPER Jerry

BULK TRUCK

404 DRIVER Larene

BULK TRUCK

DRIVER

REMARKS:

Pump 500 gal WFR-2 1000L
KCL water Plug Rot hole
mouse mix cement down
4 1/2 casing wash pump and
line clean start displacement
550# lift land plug 1300#
float held.

Thank you

CHARGE TO: Great plains

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL _____

SERVICE

DEPTH OF JOB 3632.11

PUMP TRUCK CHARGE 2225.00

EXTRA FOOTAGE @

MILEAGE 90 miles X 2 @ 7.00 = 1260.00

MANIFOLD head @ 300.00

light vehicle @ 400 = 640.00

TOTAL 4185.00

PLUG & FLOAT EQUIPMENT

4 1/2

1 AF4 float shoe @ 327.00

1 catch down plug Assy @ 233.00

2 baskets @ 220.00 = 540.00

10 centralizer @ 48.00 = 480.00

40 reciprocating scrubbers @ 74.00 = 2960.00

1 port collar @ 2485.00

TOTAL 7025.00

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME: Preston L. Dreiling

SIGNATURE [Signature]



24 S. Lincoln Street
 P.O. Box 31
 Russell, KS 67665-2906

Voice: (817) 546-7282

Fax: (817) 246-3361

INVOICE

Invoice Number: 128534

Invoice Date: Sep 2, 2011

Page: 1

SEP 11

Federal Tax I.D.#: 20-5975804

Bill To:
 Great Plains Energy, Inc.
 P.O. Box 292
 429 N. Linden
 Wahoo, NE 68066

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
GrPIEn	Hanchera #1-16	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Sep 2, 2011	10/2/11

Quantity	Item	Description	Unit Price	Amount
185.00	MAT	Class A Common	16.25	3,006.25
4.00	MAT	Gel	21.25	85.00
7.00	MAT	Chloride	58.20	407.40
196.00	SER	Handling	2.25	441.00
80.00	SER	Mileage	21.56	1,724.80
1.00	SER	Surface	1,125.00	1,125.00
160.00	SER	Heavy Vehicle Mileage	7.00	1,120.00
1.00	SER	Manifold Head Rental	200.00	200.00
160.00	SER	Light Vehicle Mileage	4.00	640.00
1.00	EQP	8 5/8 Plug	92.00	92.00
1.00	CEMENTER	Alan Ryan		
1.00	OPER ASSIST	Earl Rebardek		
1.00	OPER ASSIST	Chris Helpingstine		

BC

RN

ALL PRICES ARE NET, PAYABLE
 30 DAYS FOLLOWING DATE OF
 INVOICE 1 1/2% CHARGED
 THEREAFTER. IF ACCOUNT IS
 CURRENT, TAKE DISCOUNT OF

\$ 1768.45

ONLY IF PAID ON OR BEFORE
 Sep 27, 2011

Subtotal	8,841.45
Sales Tax	262.12
Total Invoice Amount	9,103.57
Payment/Credit Applied	
TOTAL	9,103.57

AS

