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SEP 17 2009

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
October 2008
Form Must Be Typed

KCC WICHITA

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33629

Name: Great Plains Energy, Inc.

Address 1: PO Box 292

Address 2: _____

City: Wahoo State: NE Zip: 68066 + _____

Contact Person: Dan Blankenau

Phone: (402) 277-5336

CONTRACTOR: License # 30606

Name: Murfin Drilling Company, Inc.

Wellsite Geologist: Richard Bell

Purchaser: MVP

Designate Type of Completion:

- New Well Re-Entry Workover
 - Oil SWD SLOW
 - Gas ENHR SIGW
 - CM (Coal Bed Methane) Temp. Abd.
 - Dry Other _____
- (Core, WSW, Expl., Cathodic, 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

Plug Back: _____ Plug Back Total Depth _____

Commingled Docket No.: _____

Dual Completion Docket No.: _____

Other (SWD or Enhr.?) Docket No.: _____

<u>10/11/08</u>	<u>10/18/08</u>	<u>1/14/09</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-137-20493-00-00

Spot Description: _____

N2 NE SE NE Sec. 26 Twp. 5 S. R. 23 East West

1500 Feet from North / South Line of Section

330 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Norton

Lease Name: Spings Well #: 1

Field Name: Wildcat

Producing Formation: Lansing

Elevation: Ground: 2293' Kelly Bushing: 2298'

Total Depth: 3965' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 218' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 1936 Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Air II NOR 9-29-09
(Data must be collected from the Reserve Pit)

Chloride content: 1500 ppm Fluid volume: 1100 bbls

Dewatering method used: Air dried then back filled.

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License No.: _____

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

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Signature]

Title: President Date: 9/15/09

Subscribed and sworn to before me this 15th day of Sept

2009

Notary Public: Carol J. Medina

Date Commission Expires: 2/5/10



KCC Office Use ONLY

N Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

____ UIC Distribution

Operator Name: Great Plains Energy, Inc. Lease Name: Spings Well #: 1
 Sec. 26 Twp. 5 S. R. 23 East West County: Norton

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Compensated Density/Neutron, Dual Induction, Micro, Frac Finder ✓	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1902</td> <td>+396</td> </tr> <tr> <td>Base</td> <td>1931</td> <td>+367</td> </tr> <tr> <td>Topeka</td> <td>3230</td> <td>-932</td> </tr> <tr> <td>Heebner</td> <td>3431</td> <td>-1133</td> </tr> <tr> <td>Lansing</td> <td>3474</td> <td>-1176</td> </tr> <tr> <td>BKC</td> <td>3657</td> <td>-1359</td> </tr> </table>	Name	Top	Datum	Anhydrite	1902	+396	Base	1931	+367	Topeka	3230	-932	Heebner	3431	-1133	Lansing	3474	-1176	BKC	3657	-1359
Name	Top	Datum																				
Anhydrite	1902	+396																				
Base	1931	+367																				
Topeka	3230	-932																				
Heebner	3431	-1133																				
Lansing	3474	-1176																				
BKC	3657	-1359																				

CASING RECORD <input checked="" 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
Surface	12 1/2"	8 5/8"	23	218'	Common	160	3%cc, 2% gel
Production	7 7/8"	5 1/2"	15.5	3783'	ASC	200	10% NaCl/2%KCL

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
				RECEIVED SEP 17 2009 KCC WICHITA

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
8	3502'-3508' LKC "B"	250 gal 15% MA	
8	3586'-3590' LKC "H"	250 gal 15% MA, 750 gal 28% NE/FE	
8	3634'-3637' LKC "K"	250 gal 15% MA, 750 gal 28% NE/FE, 1500 gal 28% NE/FE	

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3650'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>2/3/09</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. <u>8</u>	Gas Mcf	Water Bbls. _____ Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3634'-3637' LKC "K"</u>
--	---	--

ALLIED CEMENTING CO., LLC. 35033

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

SERVICE POINT:

*Russell
Moon*

DATE <i>10-18-08</i>	SEC. <i>26</i>	TWP. <i>5 S</i>	RANGE <i>23 W</i>	CALLED OUT	ON LOCATION	JOB START <i>12:00</i>	JOB FINISH <i>1:00 PM</i>
LEASE <i>SPRINGS</i>	WELL # <i>1</i>	LOCATION <i>NORTON S. TO Hwy 9</i>			COUNTY <i>NORTON</i>	STATE <i>Kansas</i>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)		<i>1 1/2 S 1 1/2 E INTO</i>					

CONTRACTOR *MURFIN Rig #3*

TYPE OF JOB *PRODUCTION STRING*

HOLE SIZE *7 7/8* T.D. *3965*

CASING SIZE *5 1/2 New* DEPTH *3783'*

TUBING SIZE *15.5 #* DEPTH

DRILL PIPE DEPTH

TOOL *Latch Down Plug* DEPTH *3741*

PRES. MAX *1500 #* MINIMUM

MEAS. LINE SHOE JOINT *42.76*

CEMENT LEFT IN CSG. *42.76*

PERFS.

DISPLACEMENT *89 1/4 / BBL*

OWNER

CEMENT

AMOUNT ORDERED *200 SK ASC 10% SALT*

2 Gal KCL

500 GAL WFR-2

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC 200	@	16.70	3340.00
Salt 18	@	21.25	382.50
WFR-2 500	@	1.10	550.00
KCL 2 Gal	@	30.40	60.80
	@		
	@		
	@		
	@		
HANDLING 236	@	2.25	531.00
MILEAGE .10 / sk / mile			2006.00
TOTAL			6870.30

EQUIPMENT

PUMP TRUCK CEMENTER *Gilman*

398 HELPER *Gray*

BULK TRUCK

345 DRIVER *BOB*

BULK TRUCK

DRIVER

REMARKS:

Port Collar on JT # 44 (1920)

Land Latch Down Plug @ 1500 # (held)

30 SK @ Rathole

15 SK @ mouse hole *THANKS*

CHARGE TO: *GREAT PLAINS ENERGY INC.*

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			1957.00
EXTRA FOOTAGE	@		
MILEAGE 85	@	7.00	595.00
MANIFOLD	@		
	@		
	@		
TOTAL			2,552.00

Weatherford

PLUG & FLOAT EQUIPMENT

Guide Shoe			186.00
AFU INSERT	@		285.00
Latch Down Plug ASSY	@		449.00
Red-Port Collar	@		1917.00
2- BASKETS	@	181.00	362.00
8- CENTRALIZERS	@	55.00	440.00
TOTAL			3,639.00

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.

PRINTED NAME *Resista L. Drelich*

SIGNATURE *R. L. Drelich*

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

RECEIVED

SEP 17 2009

KCC WICHITA

*Faxed
10-19-09*

Red-

ALLIED CEMENTING CO., LLC. 043794

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

SERVICE POINT: OKAYEY

DATE <u>10-11-08</u>	SEC <u>26</u>	TWP <u>55</u>	RANGE <u>23W</u>	CALLED OUT	ON LOCATION <u>4:30 PM</u>	JOB START <u>5:30 PM</u>	JOB FINISH <u>6:00 AM</u>
LEASE <u>SPRINGS</u>	WELL # <u>1</u>	LOCATION <u>SOUTH OF NORTON HWYS 283</u>			COUNTY <u>NORTON</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			<u>+9-25-1/2 E INTO</u>				

CONTRACTOR MURFIN DALG R26 #3

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4' T.D. 218'

CASING SIZE 8 5/8' DEPTH 218'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

DISPLACEMENT 13 BBLs

OWNER SAME

CEMENT AMOUNT ORDERED 160 SKS COM 3% CC 2% GEI

COMMON	<u>160 SKS</u>	@	<u>15.45</u>	<u>2472</u>	<u>00</u>
POZMIX		@			
GEL	<u>3 SKS</u>	@	<u>20.80</u>	<u>62</u>	<u>40</u>
CHLORIDE	<u>5 SKS</u>	@	<u>58.20</u>	<u>291</u>	<u>00</u>
ASC		@			
		@			
		@			
		@			
		@			
		@			
		@			
HANDLING	<u>168 SKS</u>	@	<u>2.40</u>	<u>403</u>	<u>20</u>
MILEAGE	<u>104 PER SK / MILE</u>			<u>1344</u>	<u>00</u>
TOTAL				<u>4572</u>	<u>60</u>

EQUIPMENT

PUMP TRUCK # 422 CEMENTER TERRY
HELPER WAYNE

BULK TRUCK # 377 DRIVER JERRY

BULK TRUCK # _____ DRIVER _____

REMARKS:

CEMENT did circulate

3 BBLs To PET

THANK YOU

CHARGE TO: GREAT PLAINS ENERGY, INC

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>218</u>		
PUMP TRUCK CHARGE			<u>1618</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>80 MC</u>	@	<u>7.00</u>
MANIFOLD		@	
<u>Head Rental</u>		@	<u>113</u>
TOTAL			<u>1691</u>

PLUG & FLOAT EQUIPMENT

<u>8 5/8" SURFACE PLUG</u>			<u>68</u>
	@		
	@		
	@		
	@		
TOTAL			<u>68</u>

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.

PRINTED NAME _____

SIGNATURE Keith Van Pelt

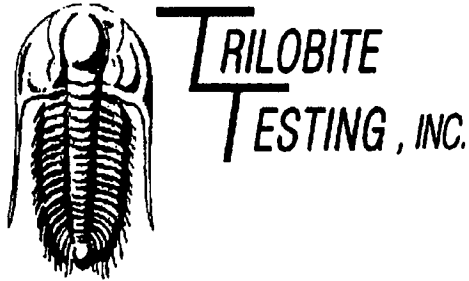
SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____

RECEIVED PAID IN 30 DAYS
SEP 17 2009
KCC WICHITA

RECEIVED
SEP 17 2009
KCC WICHITA



DRILL STEM TEST REPORT

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

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

ATTN: Richard Bell

26 5s 23w Norton KS

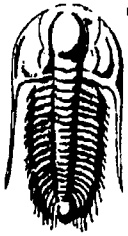
Springs #1

Start Date: 2008.10.14 @ 20:40:00

End Date: 2008.10.15 @ 04:04:30

Job Ticket #: 33431 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy, Inc.

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

ATTN: Richard Bell

Springs #1

26 5s 23w Norton KS

Job Ticket: 33431

DST#: 1

Test Start: 2008.10.14 @ 20:40:00

GENERAL INFORMATION:

Formation: **LKC B,C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:38:40

Time Test Ended: 04:04:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreuzer

Unit No: 30

Interval: **3488.00 ft (KB) To 3530.00 ft (KB) (TVD)**

Total Depth: 3530.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2298.00 ft (KB)

2294.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8356

Inside

Press@RunDepth: 100.18 psig @ 3490.00 ft (KB)

Start Date: 2008.10.14

End Date:

2008.10.15

Capacity: 7000.00 psig

Last Calib.: 2008.10.15

Start Time: 20:40:05

End Time:

04:04:29

Time On Btm: 2008.10.14 @ 22:38:30

Time Off Btm: 2008.10.15 @ 02:20:09

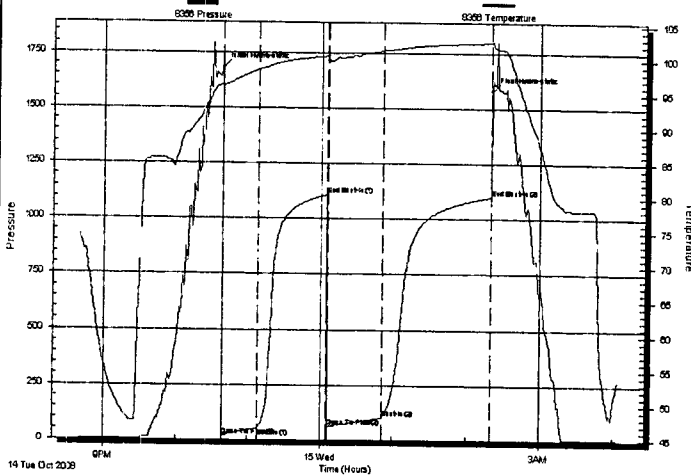
TEST COMMENT: IF: Weak blow built to 2in. in 30 mins.

IS: No blow.

FF: No blow.

FSI: No blow.

Pressure vs. Time



PRESSURE SUMMARY

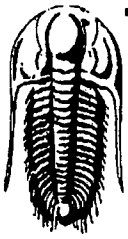
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1681.93	96.53	Initial Hydro-static
1	18.66	95.69	Open To Flow (1)
29	52.66	98.60	Shut-In(1)
87	1107.55	100.58	End Shut-In(1)
87	60.77	100.37	Open To Flow (:2)
133	100.18	101.38	Shut-In(2)
222	1099.60	102.61	End Shut-In(2)
222	1580.35	102.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	mud	0.89

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy, Inc.

Springs #1

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

26 5s 23w Norton KS

Job Ticket: 33431

DST#: 1

ATTN: Richard Bell

Test Start: 2008.10.14 @ 20:40:00

Tool Information

Drill Pipe:	Length: 2880.00 ft	Diameter: 3.80 inches	Volume: 40.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 588.00 ft	Diameter: 2.25 inches	Volume: 2.89 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume:	43.29 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3488.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	42.00 ft			
Tool Length:	70.00 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			3465.00	
Hydraulic tool	5.00			3470.00	
Jars	5.00			3475.00	
Safety Joint	3.00			3478.00	
Packer	5.00			3483.00	28.00 Bottom Of Top Packer
Packer	5.00			3488.00	
Stubb	1.00			3489.00	
Change Over Sub	1.00			3490.00	
Recorder	0.00	8166	Inside	3490.00	
Recorder	0.00	8356	Inside	3490.00	
Blank Spacing	32.00			3522.00	
Perforations	5.00			3527.00	
Bullnose	3.00			3530.00	42.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Springs #1

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

26 5s 23w Norton KS

Job Ticket: 33431

DST#: 1

ATTN: Richard Bell

Test Start: 2008.10.14 @ 20:40:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 5.96 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	mud	0.885

Total Length: 180.00 ft Total Volume: 0.885 bbl

Num Fluid Samples: 0

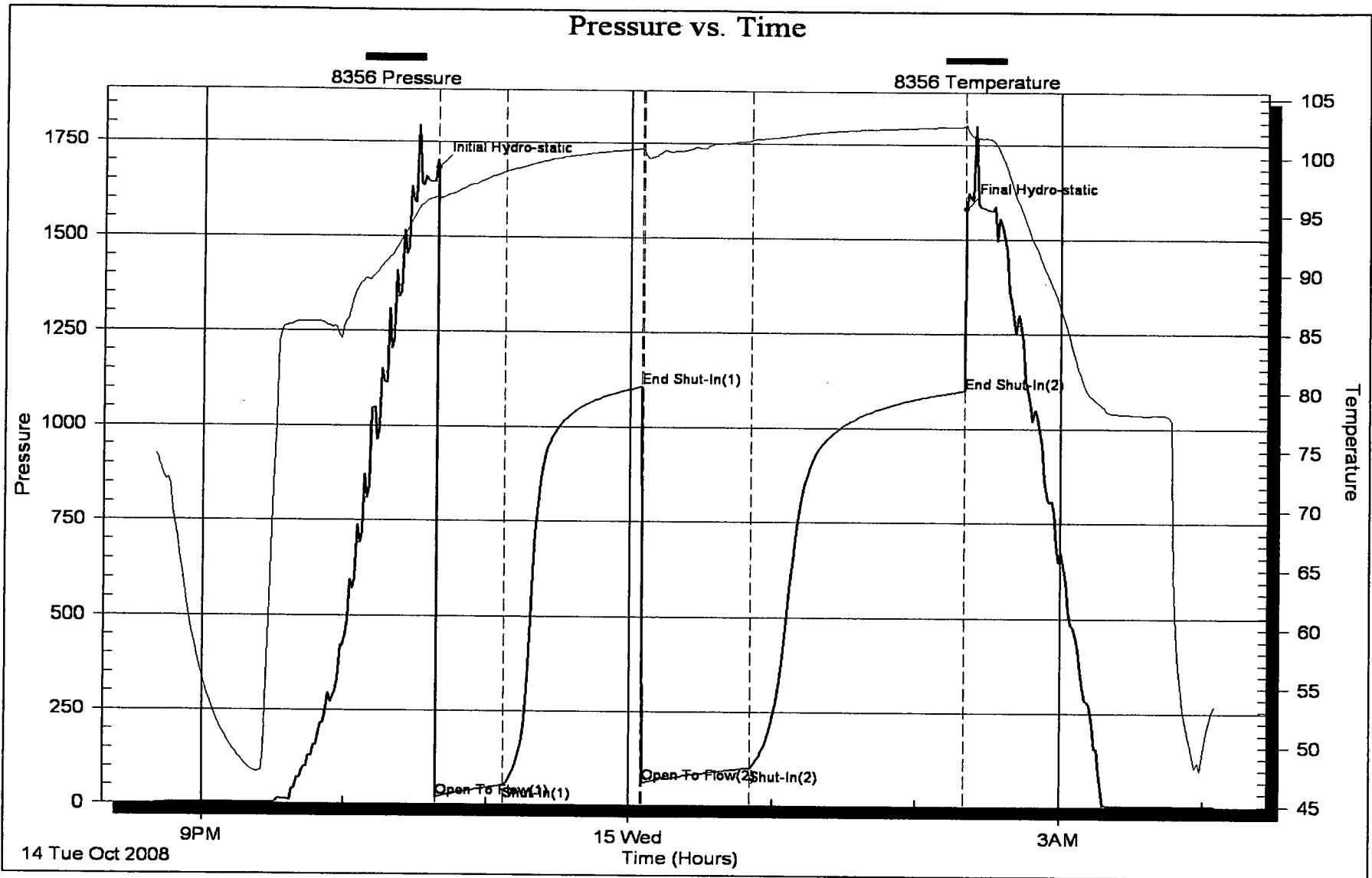
Num Gas Bombs: 0

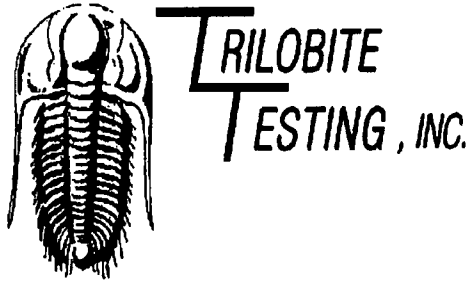
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

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

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

ATTN: Richard Bell

26 5s 23w Norton KS

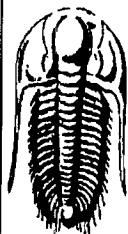
Springs #1

Start Date: 2008.10.15 @ 08:30:00

End Date: 2008.10.15 @ 16:02:30

Job Ticket #: 33432 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy, Inc.

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

ATTN: Richard Bell

Springs #1

26 5s 23w Norton KS

Job Ticket: 33432

DST#: 2

Test Start: 2008.10.15 @ 08:30:00

GENERAL INFORMATION:

Formation: **LKC- EF**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:02:15

Time Test Ended: 16:02:30

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer

Unit No: 30

Interval: **3528.00 ft (KB) To 3548.00 ft (KB) (TVD)**

Total Depth: 3548.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: :2298.00 ft (KB)

:2294.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8166

Inside

Press@RunDepth: 432.76 psig @ 3550.00 ft (KB)

Start Date: 2008.10.15

End Date:

2008.10.15

Start Time: 08:30:05

End Time:

16:02:29

Capacity: 7000.00 psig

Last Calib.: 2008.10.15

Time On Btm: 2008.10.15 @ 09:42:00

Time Off Btm: 2008.10.15 @ 13:43:30

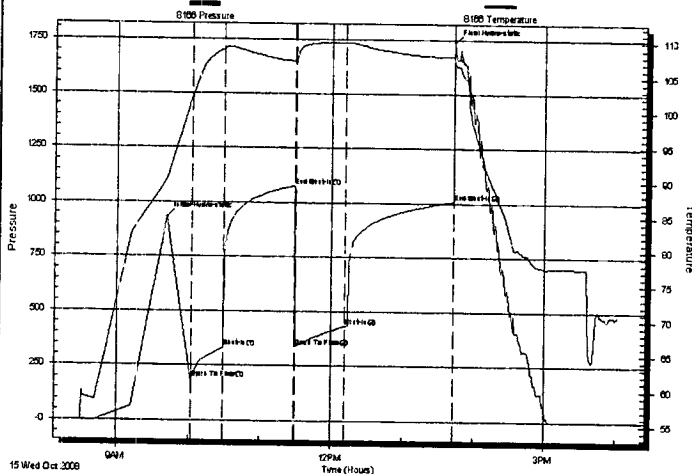
TEST COMMENT: IF: Strong blow B.O.B in 5 mins

IS: Weak blow 2in. Died

FF: B.O.B in 15 mins.

FSI: No blow

Pressure vs. Time



PRESSURE SUMMARY

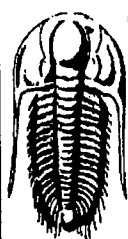
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	931.85	90.24	Initial Hydro-static
21	189.66	101.68	Open To Flow (1)
48	331.58	108.91	Shut-In(1)
108	1078.67	107.24	End Shut-In(1)
108	339.21	107.36	Open To Flow(2)
150	432.76	109.88	Shut-In(2)
241	1008.65	107.88	End Shut-In(2)
242	1735.33	107.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
726.00	95%w 5%m	4.83
65.00	w mo-69%w 30%m 1%o	0.91
65.00	mw go-60%m 40%w 9%g 1%o	0.91
65.00	gom-97%m 2%g 1%o	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy, Inc.

Springs #1

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

26 5s 23w Norton KS

Job Ticket: 33432

DST#: 2

ATTN: Richard Bell

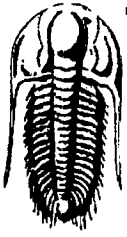
Test Start: 2008.10.15 @ 08:30:00

Tool Information

Drill Pipe:	Length: 2962.00 ft	Diameter: 3.80 inches	Volume: 41.55 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: 30000.00 lb
Drill Collar:	Length: 588.00 ft	Diameter: 2.25 inches	Volume: 2.89 bbl	Weight to Pull Loose: 73000.00 lb
		Total Volume: 44.44 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3548.00 ft			Final 74000.00 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
Shut In Tool	5.00			3525.00	
Hydraulic tool	5.00			3530.00	
Jars	5.00			3535.00	
Safety Joint	3.00			3538.00	
Packer	5.00			3543.00	28.00 Bottom Of Top Packer
Packer	5.00			3548.00	
Stubb	1.00			3549.00	
Change Over Sub	1.00			3550.00	
Recorder	0.00	8166	Inside	3550.00	
Recorder	0.00	8356	Inside	3550.00	
Perforations	15.00			3565.00	
Bullnose	3.00			3568.00	20.00 Bottom Packers & Anchor
Total Tool Length:		48.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Springs #1

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

26 5s 23w Norton KS

Job Ticket: 33432

DST#: 2

ATTN: Richard Bell

Test Start: 2008.10.15 @ 08:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 5.97 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
726.00	95%w 5%m	4.827
65.00	w mo-69%w 30%m 1%o	0.912
65.00	mw go-60%m 40%w 9%g 1%o	0.912
65.00	gom-97%m 2%g 1%o	0.912

Total Length: 921.00 ft Total Volume: 7.563 bbl

Num Fluid Samples: 0

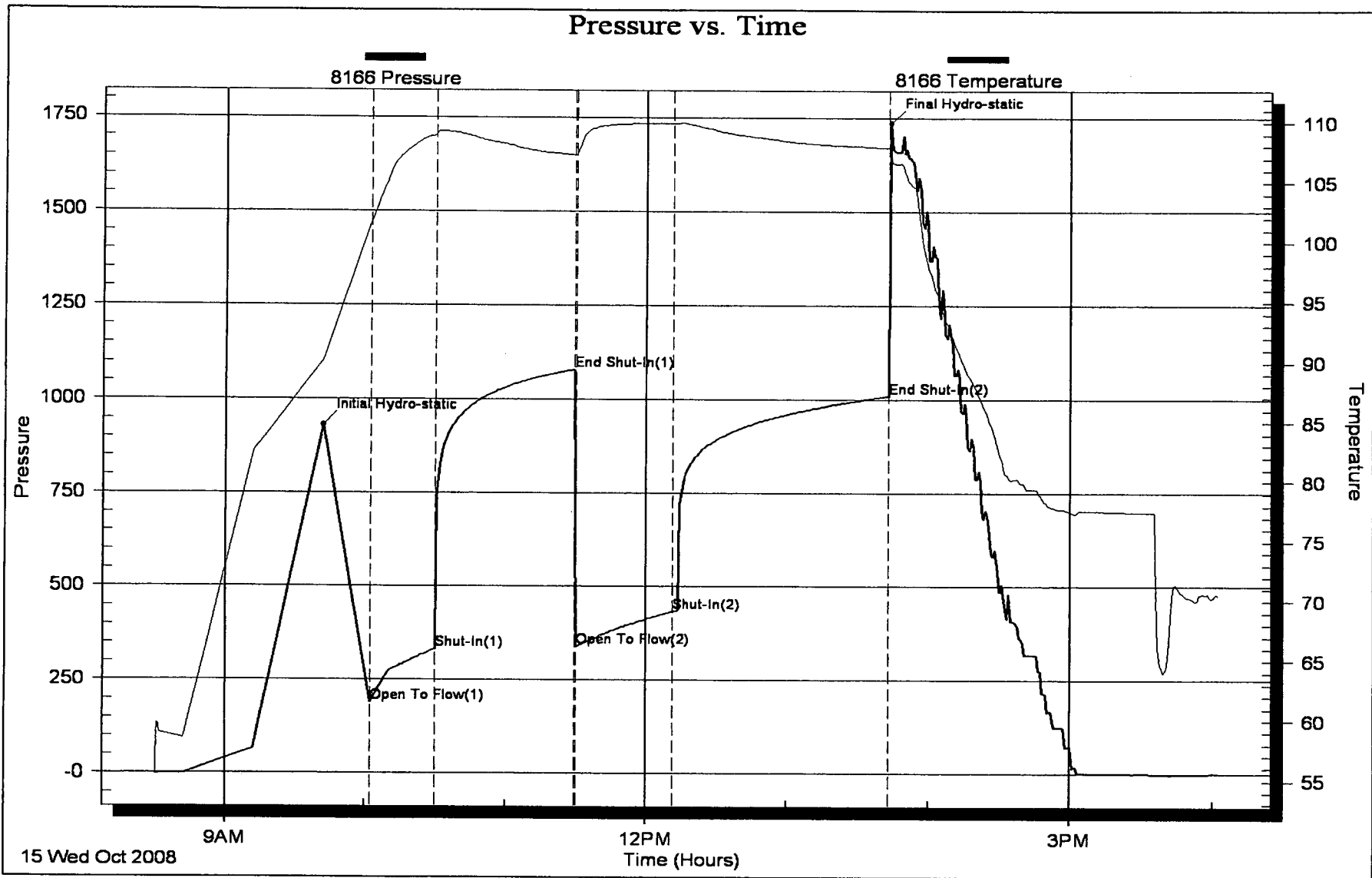
Num Gas Bombs: 0

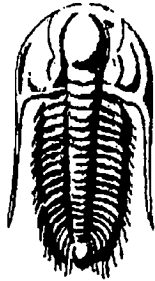
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

ATTN: Richard Bell

26 5s 23w Norton KS

Springs #1

Start Date: 2008.10.15 @ 22:45:00

End Date: 2008.10.16 @ 05:00:15

Job Ticket #: 33433 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Great Plains Energy, Inc.

Springs #1

26 5s 23w Norton KS

DST # 3

LKC, H

2008.10.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy, Inc.
429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066
ATTN: Richard Bell

Springs #1
26 5s 23w Norton KS
Job Ticket: 33433 DST#: 3
Test Start: 2008.10.15 @ 22:45:00

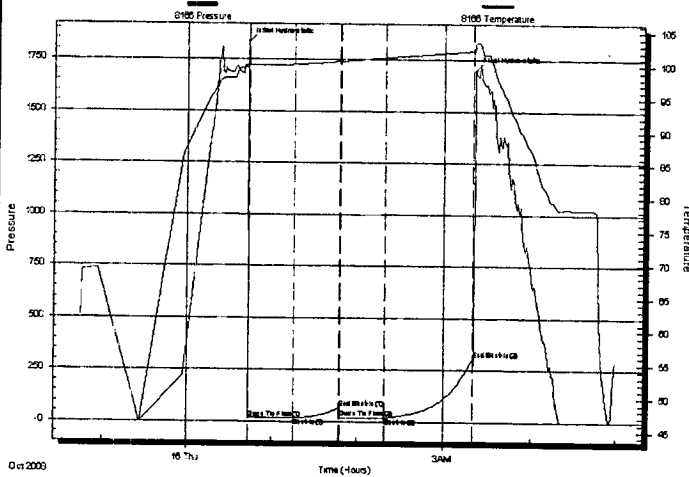
GENERAL INFORMATION:

Formation: LKC, H
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:43:30
Time Test Ended: 05:00:15
Interval: 3568.00 ft (KB) To 3600.00 ft (KB) (TVD)
Total Depth: 3600.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Chuck Kreuzer
Unit No: 30
Reference Elevations: :2298.00 ft (KB)
:2294.00 ft (CF)
KB to GR/CF: 4.00 ft

Serial #: 8166 Inside
Press@RunDepth: 18.18 psig @ 3570.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2008.10.15 End Date: 2008.10.16 Last Calib.: 2008.10.16
Start Time: 22:45:05 End Time: 05:00:14 Time On Btm: 2008.10.16 @ 00:43:00
Time Off Btm: 2008.10.16 @ 03:21:14

TEST COMMENT: IF: No blow.
IS: No blow.
FF: No blow.
FSI: No blow.

Pressure vs. Time



PRESSURE SUMMARY

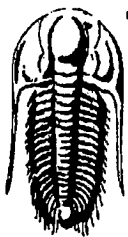
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1833.14	100.14	Initial Hydro-static
1	15.46	99.98	Open To Flow (1)
33	16.46	100.11	Shut-In(1)
65	66.82	100.61	End Shut-In(1)
65	16.58	100.60	Open To Flow (2)
96	18.18	101.14	Shut-In(2)
157	305.09	102.24	End Shut-In(2)
159	1698.14	103.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	gocm 2%g 8%o 90%w	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.

Springs #1

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

26 5s 23w Norton KS

Job Ticket: 33433

DST#: 3

ATTN: Richard Bell

Test Start: 2008.10.15 @ 22:45:00

Tool Information

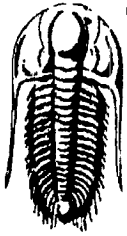
Drill Pipe:	Length: 2974.00 ft	Diameter: 3.80 inches	Volume: 41.72 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 588.00 ft	Diameter: 2.25 inches	Volume: 2.89 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 44.61 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3568.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3545.00	
Hydraulic tool	5.00			3550.00	
Jars	5.00			3555.00	
Safety Joint	3.00			3558.00	
Packer	5.00			3563.00	28.00 Bottom Of Top Packer
Packer	5.00			3568.00	
Stubb	1.00			3569.00	
Change Over Sub	1.00			3570.00	
Recorder	0.00	8166	Inside	3570.00	
Recorder	0.00	8356	Inside	3570.00	
Blank Spacing	0.00			3570.00	
Perforations	27.00			3597.00	
Bullnose	3.00			3600.00	32.00 Bottom Packers & Anchor

Total Tool Length: 60.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Springs #1

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

26 5s 23w Norton KS

Job Ticket: 33433

DST#: 3

ATTN: Richard Bell

Test Start: 2008.10.15 @ 22:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 5.96 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	gocm 2%g 8%o 90%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

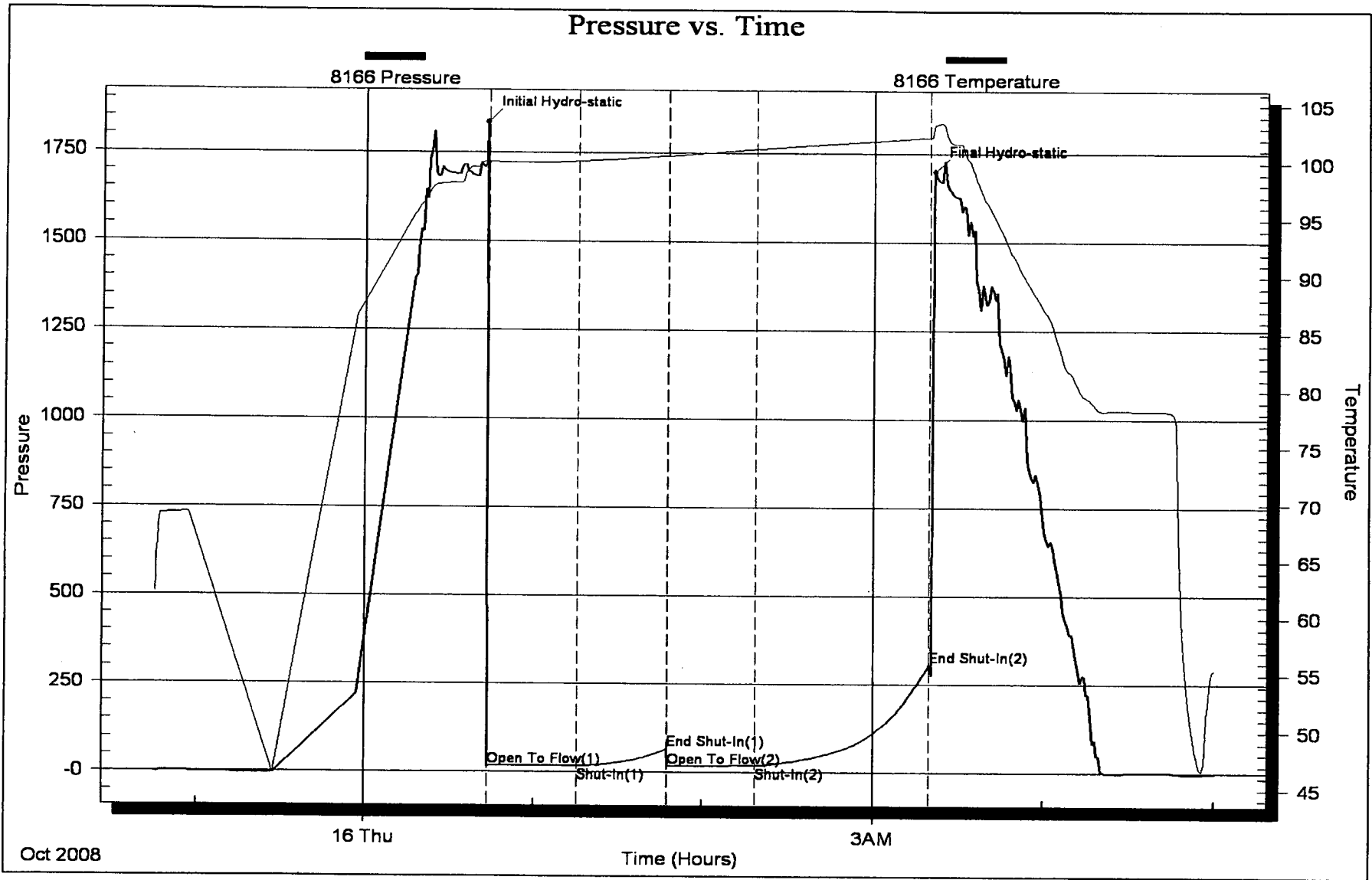
Num Gas Bombs: 0

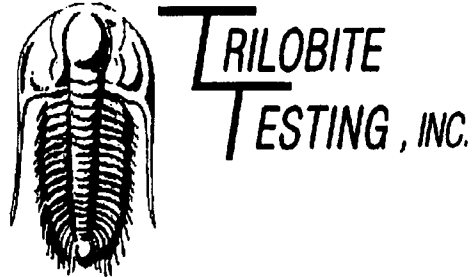
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

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

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

ATTN: Richard Bell

26 5s 23w Norton KS

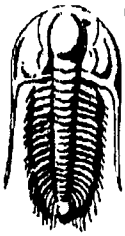
Springs #1

Start Date: 2008.10.16 @ 12:00:00

End Date: 2008.10.16 @ 17:20:00

Job Ticket #: 33434 DST #: 4

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy, Inc.

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

ATTN: Richard Bell

Springs #1

26 5s 23w Norton KS

Job Ticket: 33434

DST#: 4

Test Start: 2008.10.16 @ 12:00:00

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:32:30

Time Test Ended: 17:20:00

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer

Unit No: 30

Interval: **3596.00 ft (KB) To 3660.00 ft (KB) (TVD)**

Total Depth: 3530.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2298.00 ft (KB)

2294.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8166

Inside

Press@RunDepth: 63.06 psig @ 3598.00 ft (KB)

Start Date: 2008.10.16

End Date: 2008.10.16

Start Time: 12:00:05

End Time: 18:51:59

Capacity: 7000.00 psig

Last Calib.: 2008.10.16

Time On Btm: 2008.10.16 @ 13:22:00

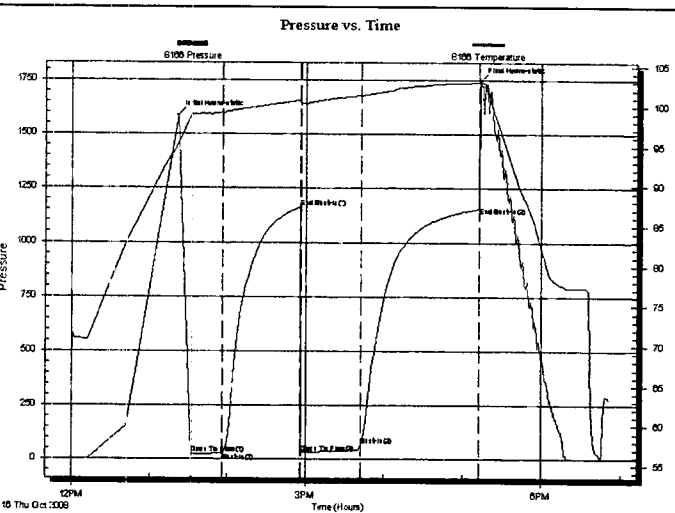
Time Off Btm: 2008.10.16 @ 17:13:14

TEST COMMENT: IF: Weak blow built to 2in.

IS: No blow

FF: Weak blow

FSI: No blow



PRESSURE SUMMARY

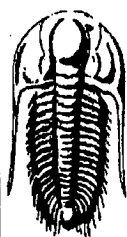
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1587.30	95.29	Initial Hydro-static
11	20.79	99.00	Open To Flow (1)
35	26.68	99.18	Shut-In (1)
94	1162.66	100.73	End Shut-In (1)
95	28.85	100.13	Open To Flow (2)
141	63.06	101.32	Shut-In (2)
231	1126.23	103.04	End Shut-In (2)
232	1747.20	103.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	oom-2%g 2%o 96%m	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy, Inc.
429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066
ATTN: Richard Bell

Springs #1
26 5s 23w Norton KS
Job Ticket: 33434 **DST#: 4**
Test Start: 2008.10.16 @ 12:00:00

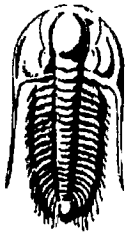
Tool Information

Drill Pipe:	Length: 3002.00 ft	Diameter: 3.80 inches	Volume: 42.11 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: 588.00 ft	Diameter: 2.25 inches	Volume: 2.89 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 45.00 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	3596.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	64.00 ft				
Tool Length:	92.00 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			3573.00	
Hydraulic tool	5.00			3578.00	
Jars	5.00			3583.00	
Safety Joint	3.00			3586.00	
Packer	5.00			3591.00	28.00 Bottom Of Top Packer
Packer	5.00			3596.00	
Stubb	1.00			3597.00	
Change Over Sub	1.00			3598.00	
Recorder	0.00	8166	Inside	3598.00	
Recorder	0.00	8356	Inside	3598.00	
Blank Spacing	32.00			3630.00	
Perforations	27.00			3657.00	
Bullnose	3.00			3660.00	64.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Springs #1

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

26 5s 23w Norton KS

Job Ticket: 33434

DST#: 4

ATTN: Richard Bell

Test Start: 2008.10.16 @ 12:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 5.98 in³

Resistivity: ohm.m

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	oom-2%g 2%o 96%m	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

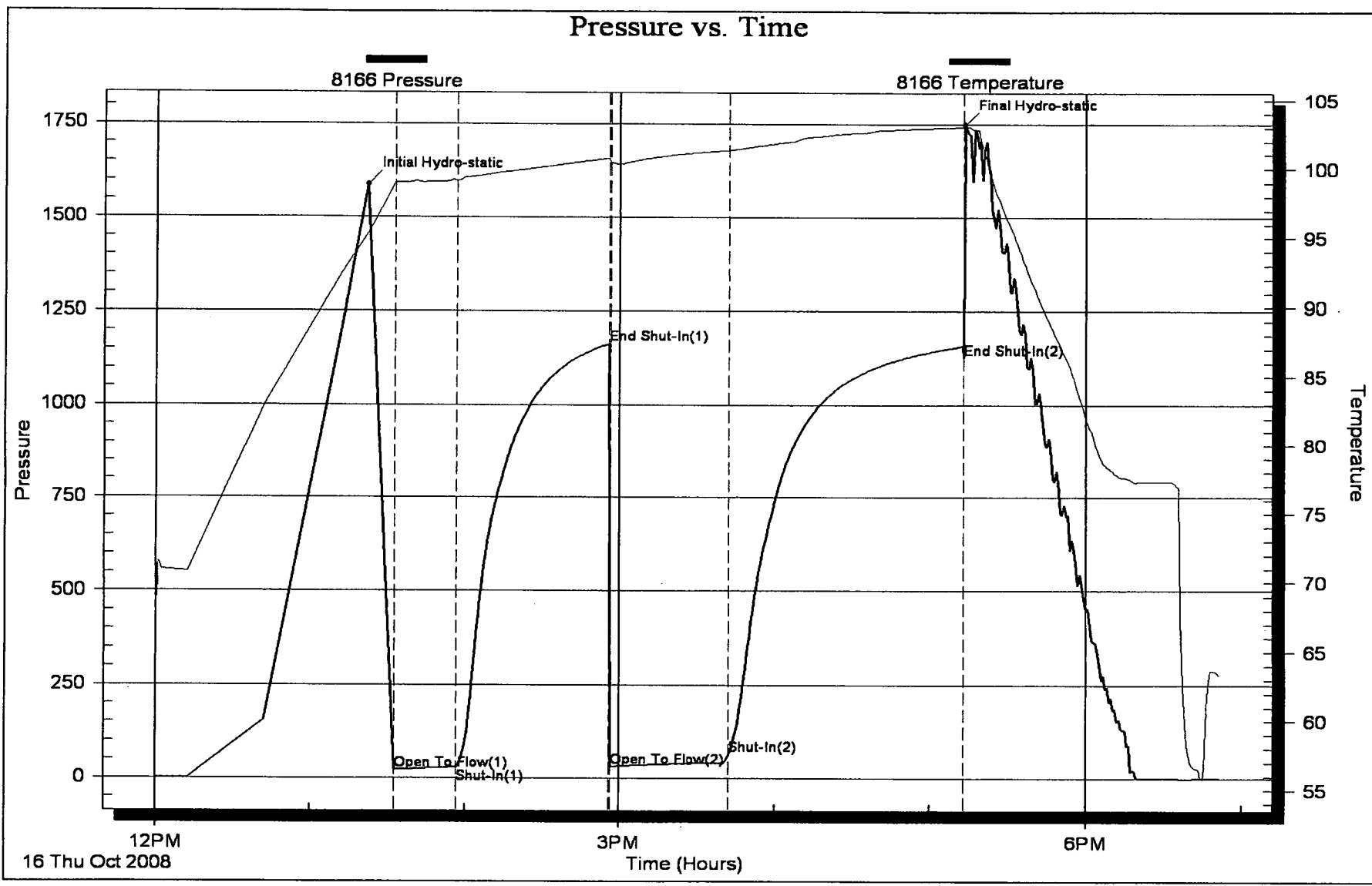
Num Gas Bombs: 0

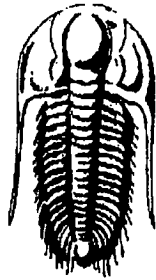
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

ATTN: Richard Bell

26 5s 23w Norton KS

Springs #1

Start Date: 2008.10.17 @ 15:45:00

End Date: 2008.10.17 @ 23:19:00

Job Ticket #: 33435 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy, Inc.

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

ATTN: Richard Bell

Springs #1

26 5s 23w Norton KS

Job Ticket: 33435

DST#: 5

Test Start: 2008.10.17 @ 15:45:00

GENERAL INFORMATION:

Formation: **LKC, F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:32:30

Time Test Ended: 23:19:00

Interval: **3540.00 ft (KB) To 3553.00 ft (KB) (TVD)**

Total Depth: 3965.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole

Tester: Chuck Kreutzer

Unit No: 30

Reference Elevations: 2298.00 ft (KB)

2294.00 ft (CF)

KB to GR/CF: 4.00 ft

Serial #: 8166

Inside

Press@RunDepth: 361.23 psig @ 3549.00 ft (KB)

Start Date: 2008.10.17

End Date: 2008.10.17

Start Time: 15:45:30

End Time: 23:19:00

Capacity: 7000.00 psig

Last Calib.: 2008.10.17

Time On Btm: 2008.10.17 @ 17:32:00

Time Off Btm: 2008.10.17 @ 21:11:30

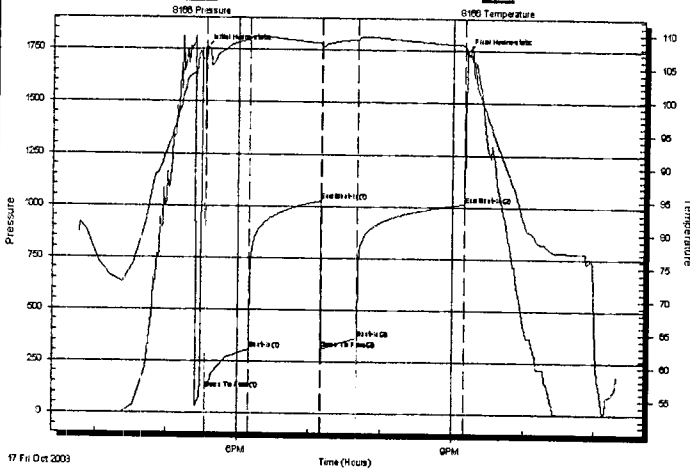
TEST COMMENT: IF: Weak blow 2in

IS: No blow

FF: Weak blow

FSI: No blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1750.98	106.03	Initial Hydro-static
1	113.81	106.04	Open To Flow (1)
38	305.98	109.05	Shut-In(1)
98	1026.15	108.58	End Shut-In(1)
99	310.96	108.07	Open To Flow (2)
128	361.23	109.15	Shut-In(2)
218	1013.33	108.43	End Shut-In(2)
220	1743.40	107.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
711.00	grmw -3%g 10%m 87%w	4.62
65.00	ogrmw -1%o 2%g 44%m 87%w	0.91
30.00	omw -10%o 30%m 60%w	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy, Inc.

Springs #1

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

26 5s 23w Norton KS

Job Ticket: 33435

DST#: 5

ATTN: Richard Bell

Test Start: 2008.10.17 @ 15:45:00

Tool Information

Drill Pipe:	Length: 2938.00 ft	Diameter: 3.80 inches	Volume: 41.21 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: 35000.00 lb
Drill Collar:	Length: 588.00 ft	Diameter: 2.25 inches	Volume: 2.89 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 44.10 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3540.00 ft			Final 71000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	428.00 ft			
Tool Length:	456.00 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			3517.00	
Hydraulic tool	5.00			3522.00	
Jars	5.00			3527.00	
Safety Joint	3.00			3530.00	
Packer	5.00			3535.00	28.00 Bottom Of Top Packer
Packer	5.00			3540.00	
Stubb	1.00			3541.00	
Recorder	0.00			3541.00	
Perforations	8.00			3549.00	
Recorder	0.00	8166	Inside	3549.00	
Blank Off Sub	1.00			3550.00	428.00 Tool Interval
Packer	5.00			3555.00	
Recorder	0.00	8356	Inside	3555.00	
Drill Pipe	407.00			3962.00	
Perforations	3.00			3965.00	
Bullnose	3.00			3968.00	1000455.00 Bottom Packers & Anchor
Total Tool Length:	456.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy, Inc.

Springs #1

429 N. Linden, P.O. Box 292
Wahoo, Ne. 68066

26 5s 23w Norton KS

Job Ticket: 33435

DST#: 5

ATTN: Richard Bell

Test Start: 2008.10.17 @ 15:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 6.39 in³

Resistivity: 1.00 ohm.m

Salinity: 1500.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity:

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bb'
711.00	gmw -3%g 10%m 87%w	4.617
65.00	ogmw -1%o 2%g 44%m 87%w	0.912
30.00	omw -10%o30%m60%w	0.421

Total Length: 806.00 ft Total Volume: 5.950 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

