

ORIGINAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

RECEIVED

SEP 17 2009

Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

KCC WICHITA

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 # 33575

Name: WW Drilling, LLC

Wellsite Geologist: Dan Blankenau

Purchaser: Teppco

Designate Type of Completion:

- New Well _____ Re-Entry _____ Workover
- Oil _____ SWD _____ SIOW
- _____ 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.: _____

2/25/08 3/5/08 3/28/08

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

API No. 15 - 15-171-20691-00-00

Spot Description: _____

NW_NW_NE_SW Sec. 5 Twp. 17 S. R. 32 East West

2630 Feet from North / South Line of Section

1590 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Scott

Lease Name: Zanobia Well #: 3

Field Name: Unnamed

Producing Formation: Cherokee

Elevation: Ground: 2985' Kelly Bushing: 2990'

Total Depth: 4740' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 264' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 2303 Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Air II NR 9-29-09
(Data must be collected from the Reserve Pit)

Chloride content: 4600 ppm Fluid volume: 1050 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.

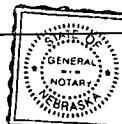
20 09

Notary Public: Carol J. Medina

Date Commission Expires: 2/5/10

KCC Office Use ONLY

- Letter of Confidentiality Received
- If Denied, Yes Date: _____
- Wireline Log Received
- Geologist Report Received
- _____ UIC Distribution



CAROL J. MEDINA
MY COMMISSION EXPIRES
February 5, 2010

Operator Name: Great Plains Energy, Inc. Lease Name: Zanobia Well #: 3
 Sec. 5 Twp. 17 S. R. 32 East West County: Scott

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>2338</td> <td>+652</td> </tr> <tr> <td>Base</td> <td>2356</td> <td>+634</td> </tr> <tr> <td>Heebner</td> <td>3932</td> <td>-942</td> </tr> <tr> <td>Lansing</td> <td>3973</td> <td>-983</td> </tr> <tr> <td>BKC</td> <td>4333</td> <td>-1343</td> </tr> <tr> <td>Cherokee</td> <td>4508</td> <td>-1518</td> </tr> <tr> <td>Mississippian</td> <td>4700</td> <td>-1710</td> </tr> </table>	Name	Top	Datum	Anhydrite	2338	+652	Base	2356	+634	Heebner	3932	-942	Lansing	3973	-983	BKC	4333	-1343	Cherokee	4508	-1518	Mississippian	4700	-1710
Name	Top	Datum																							
Anhydrite	2338	+652																							
Base	2356	+634																							
Heebner	3932	-942																							
Lansing	3973	-983																							
BKC	4333	-1343																							
Cherokee	4508	-1518																							
Mississippian	4700	-1710																							

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	264'	Common	190	3%cc, 2% gel
Production	7 3/4"	5 1/2"	15.5	4730'	AA2	175	FLA-322, 3%cc, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2303	Common	375	3%cc, 2% gel

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	4599-4603 Cherokee	250 gal 15% MA, 1000 gal 15% NE/FE 2000 gal retarded	4599-4603

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 KCC WICHITA

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>4655'</u> Packer At: _____ Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>4/3/08</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 Bbbls. <u>40</u> Gas Mcf _____ Water Bbbls. _____ 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>4599-4603 Cherokee</u>
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PAGE 1 of 2	CUST NO 1970-GRE028	INVOICE DATE 03/17/2008
INVOICE NUMBER 1970001629		

Pratt

GREAT PLAINS ENERGY INC
P O BOX 292
WAHOO NE 68066
ATTN: CAROL MEDURE

LEASE NAME Zanobia
WELL NO. 3
COUNTY Scott
STATE KS
JOB DESCRIPTION Cement-New Well Casing/Pipe
JOB CONTACT CAROL MEDURE

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
1970-01635	301		Net 30 DAYS	04/16/2008	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates: 03/05/2008 to 03/05/2008					
1970-01636					
1970-17636 Cement-New Well Casing 3/5/08					
Pump Charge-Hourly		1.00	Hour	2520.000	2,520.00
Depth Charge; 4001'-5000'					
Cementing Head w/Manifold		1.00	EA	250.000	250.00
Plug container Utilization Charge					
Cement Float Equipment		1.00	EA	360.000	360.00
Auto Fill Float Shoe					
Cement Float Equipment		6.00	EA	290.000	1,740.00
Basket					
Cement Float Equipment		1.00	EA	850.000	850.00
Latch Down Plug & Assembly					
Cement Float Equipment		9.00	EA	110.000	990.00
Turbolizer					
Cement Float Equipment		1.00	EA	6100.000	6,100.00
Two Stage Cement Collar					
Mileage		550.00	DH	1.400	770.00
Blending & Mixing Service Charge					
Mileage		540.00	DH	7.000	3,780.00
Heavy Equipment Mileage					
Mileage		4,662.00	DH	1.600	7,459.20
Proppant and Bulk Delivery Charge					
Miscellaneous		1.00	EA	200.000	200.00
Casing Swivel Rental					
Pickup		180.00	Hour	4.250	765.00
Unit Mileage Charge(Pickups, Vans or Cars)					
Additives		138.00	EA	3.700	510.60 T
Cello-flake					
Additives		50.00	EA	6.000	300.00 T
Cement Friction Reducer					
Additives		24.00	EA	4.000	96.00 T
De-foamer					
Additives		97.00	EA	7.500	727.50 T
FLA-322					

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SEP 17 2009
KCC WICHITA



PAGE 2 of 2	CUST NO 1970-GRE028	INVOICE DATE 03/17/2008
INVOICE NUMBER 1970001629		

Pratt

GREAT PLAINS ENERGY INC
P O BOX 292
WAHOO NEBRA: 68066
ATTN: CAROL MEDURE

LEASE NAME Zenobia
WELL NO. 3
COUNTY Scott
STATE KS
JOB DESCRIPTION Cement-New Well Casing/Pipe:
JOB CONTACT CAROL MEDURE

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE
1970-01635	301			Net 30 DAYS	04/16/2008
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
Additives		875.00	EA	0.670	588.25 T
<i>Gilsonite</i>					
Additives		888.00	EA	0.500	444.00 T
<i>Salt</i>					
Additives		250.00	EA	2.450	612.50 T
<i>Super Flush</i>					
Calcium Chloride		1,201.00	EA	1.050	1,261.05 T
Cement		100.00	EA	16.600	1,660.00 T
<i>AA2 Cement</i>					
Cement		450.00	EA	17.000	7,650.00 T
<i>A-Con Blend Common</i>					
Supervisor		1.00	Hour	175.000	175.00
<i>Service Supervisor</i>					
PLEASE REMIT TO:				BID DISCOUNT	-8,359.49
BASIC ENERGY SERVICES, LP		SEND OTHER CORRESPONDENCE TO:		SUBTOTAL	31,447.61
PO BOX 841903		BASIC ENERGY SERVICES, LP		TAX	889.21
DALLAS, TX 75284-1903		PO BOX 10460		INVOICE TOTAL	32,136.82
		MIDLAND, TX 79702			

REMIT TO
RR 1 BOX 90 D
HOXIE KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

177

DATE <u>25 FEB</u> SEC. <u>5</u>	RANGE/TWP. <u>T17S R32W</u>	CALLED OUT <u>0800</u>	ON LOCATION <u>1740</u>	JOB START	JOB FINISH
LEASE <u>ZANOBI A.</u>		WELL# <u>3</u>		COUNTY <u>SCOTT</u>	STATE <u>KS</u>

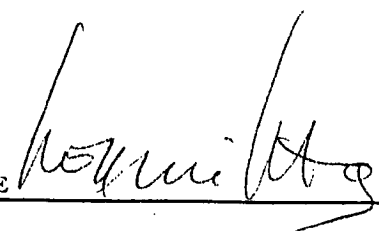
CONTRACTOR	<u>NW2</u>	OWNER	<u>GPE</u>		
TYPE OF JOB					
HOLE SIZE <u>12 1/4</u>	T.D. <u>264.1</u>	CEMENT	<u>190 SKS</u>		
CASING SIZE <u>8 5/8</u>	DEPTH <u>257.96</u>	AMOUNT ORDERED			
TUBING SIZE	DEPTH				
DRILL PIPE	DEPTH				
TOOL	DEPTH				
PRES. MAX	MINIMUM	COMMON	<u>190</u>	@ <u>12.60</u>	<u>2394.00</u>
DISPLACEMENT	SHOE JOINT	POZMIX		@	
CEMENT LEFT IN CSG.		GEL	<u>3</u>	@ <u>16.65</u>	<u>49.95</u>
PERFS		CHLORIDE	<u>5</u>	@ <u>46.60</u>	<u>233.00</u>
		ASC		@	
EQUIPMENT				@	
				@	
PUMP TRUCK				@	
#				@	
BULK TRUCK				@	
#				@	
BULK TRUCK				@	
#				@	
		HANDLNG	<u>198</u>	@ <u>1.90</u>	<u>376.20</u>
		MILEAGE	<u>85</u>	@ <u>17.82</u>	<u>1514.70</u>
		TOTAL			<u>4567.85</u>

REMARKS	SERVICE		
<u>PLUG DOWN @ 3:10pm</u>	DEPT OF JOB	@	
	PUMP TRUCK CHARGE	<u>1</u>	@ <u>955.00</u> <u>955.00</u>
	EXTRA FOOTAGE	@	
	MILEAGE	<u>85</u>	@ <u>6.00</u> <u>510.00</u>
	MANIFOLD	@	
		@	
	TOTAL		<u>1465.00</u>

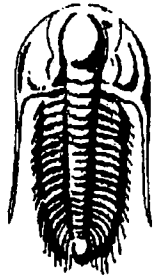
CHARGE TO:	
STREET	STATE
CITY	ZIP

To: Schippers Oil Field Service LLC
You are hereby requested to rent cementing equipment and furnish staff 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
	TOTAL <u>6032.85</u>
TAX <u>SCOTT Co 6.3%</u>	<u>168.64</u>
TOTAL CHARGE	<u>\$ 6201.49</u>
DISCOUNT (IF PAID IN 20 DAYS)	

SIGNATURE 

PRINTED NAME Lonnie Lang



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy**

PO Box 292
Wahoo NE 68066

ATTN: Dan Blankenau

5 17S 32W Scott KS

Zanobia #3

Start Date: 2008.02.29 @ 01:47:32

End Date: 2008.02.29 @ 07:54:26

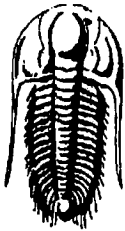
Job Ticket #: 29646 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

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SEP 17 2009
KCC WICHITA



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy

PO Box 292
Wahoo NE 68066

ATTN: Dan Blankenau

Zanobia #3

5 17S 32W Scott KS

Job Ticket: 29646

DST#: 1

Test Start: 2008.02.29 @ 01:47:32

GENERAL INFORMATION:

Formation: **LKC- E**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 03:35:12

Time Test Ended: 07:54:26

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **35**

Interval: **4060.00 ft (KB) To 4080.00 ft (KB) (TVD)**

Total Depth: **4080.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2990.00 ft (KB)**

2985.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6772 Outside

Press@RunDepth: **13.06 psig @ 4061.00 ft (KB)**

Start Date: **2008.02.29**

End Date:

2008.02.29

Start Time: **01:47:32**

End Time:

07:54:26

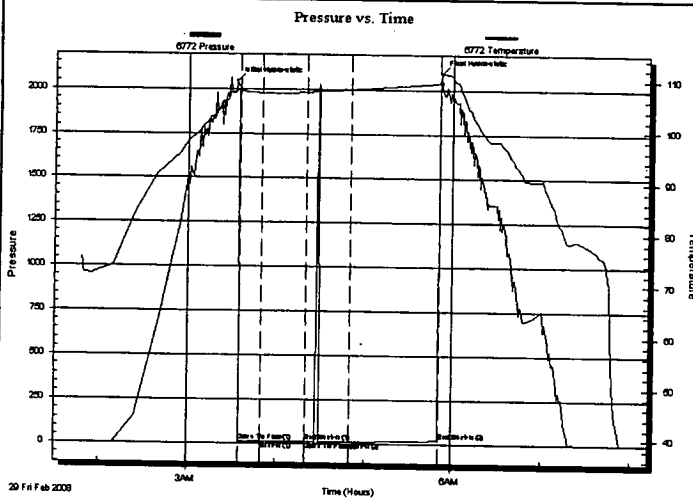
Capacity: **7000.00 psig**

Last Calib.: **2008.02.29**

Time On Btm: **2008.02.29 @ 03:32:27**

Time Off Btm: **2008.02.29 @ 05:51:57**

TEST COMMENT: IF No blow
IS No return
FF No blow Flushed tool no blow
FS No return



PRESSURE SUMMARY

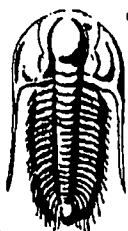
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2043.25	107.76	Initial Hydro-static
3	10.23	107.68	Open To Flow (1)
18	10.66	107.44	Shut-In(1)
48	12.34	107.57	End Shut-In(1)
48	12.35	107.57	Open To Flow (2)
78	13.06	108.17	Shut-In(2)
139	20.96	109.48	End Shut-In(2)
140	2091.87	110.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	100%M	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

Job Ticket: 29646

DST#: 1

ATTN: Dan Blankenau

Test Start: 2008.02.29 @ 01:47:32

Tool Information

Drill Pipe:	Length: 3942.00 ft	Diameter: 3.80 inches	Volume: 55.30 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 6800.00 lb
			<u>Total Volume: 55.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4060.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4041.00	
Shut In Tool	5.00			4046.00	
Hydraulic tool	5.00			4051.00	
Packer	5.00			4056.00	20.00 Bottom Of Top Packer
Packer	4.00			4060.00	
Stubb	1.00			4061.00	
Recorder	0.00	6769	Inside	4061.00	
Recorder	0.00	6772	Outside	4061.00	
Perforations	14.00			4075.00	
Bullnose	5.00			4080.00	20.00 Bottom Packers & Anchor
Total Tool Length:	40.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

ATTN: Dan Blankenau

Job Ticket: 29646

DST#: 1

Test Start: 2008.02.29 @ 01:47:32

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 62.00 sec/qt

Water Loss: 6.37 in³

Resistivity: 0.00 ohm.m

Salinity: 2100.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

0 deg API

0 ppm

ft

bbbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	100%M	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

Num Fluid Samples: 0

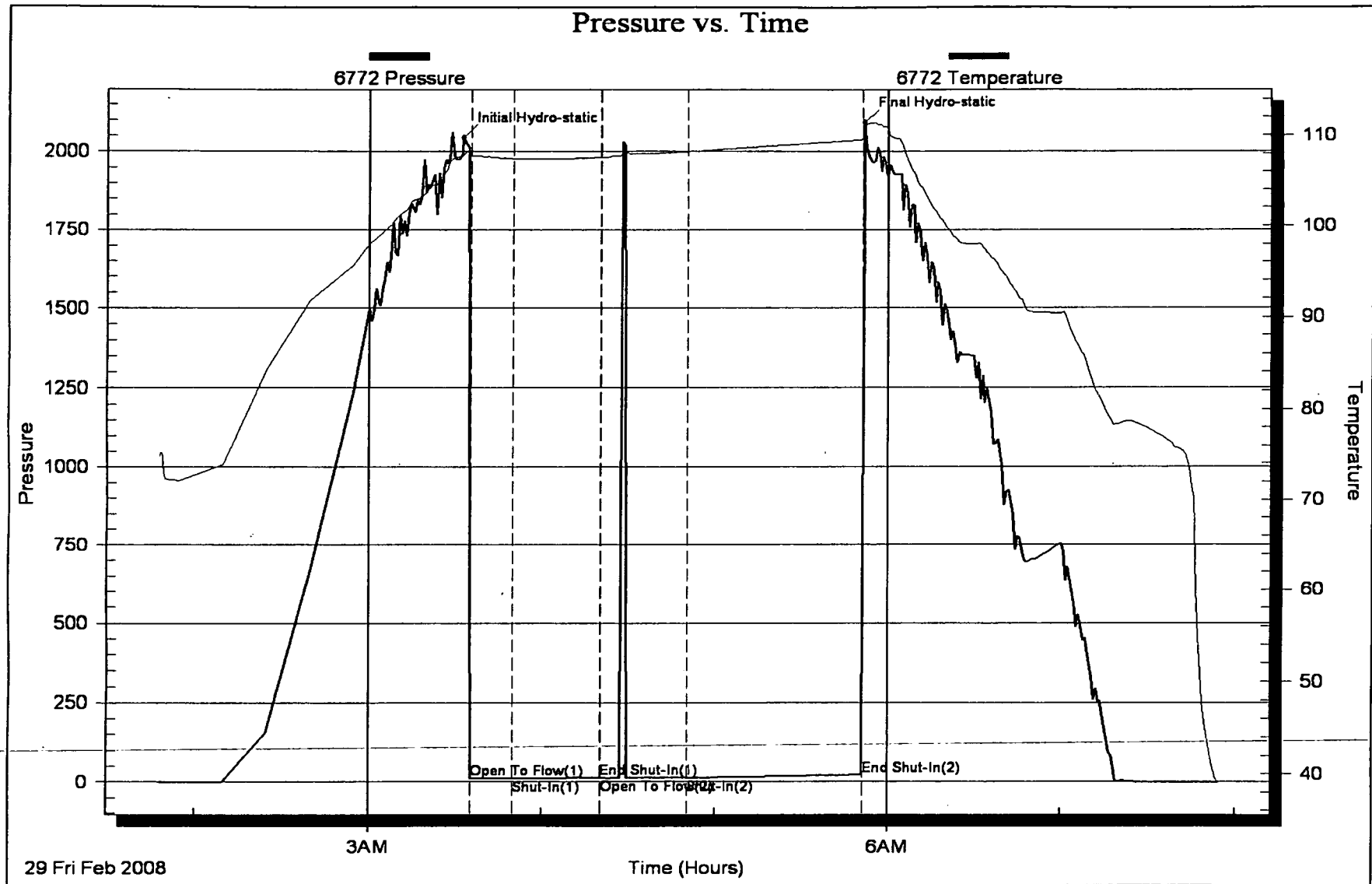
Num Gas Bombs: 0

Serial #:

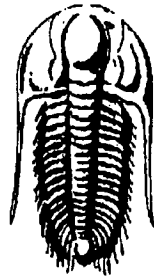
Laboratory Name:

Laboratory Location:

Recovery Comments:



29 Fri Feb 2008



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy**

PO Box 292
Wahoo NE 68066

ATTN: Dan Blankenau

5 17S 32W Scott KS

Zanobia #3

Start Date: 2008.03.01 @ 02:42:58

End Date: 2008.03.01 @ 09:28:07

Job Ticket #: 29647 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Great Plains Energy

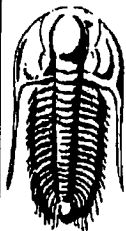
Zanobia #3

5 17S 32W Scott KS

DST # 2

LKC-K

2008.03.01



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

ATTN: Dan Blankenau

Job Ticket: 29647

DST#: 2

Test Start: 2008.03.01 @ 02:42:58

GENERAL INFORMATION:

Formation: **LKC-K**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 04:42:53
 Time Test Ended: 09:28:07

Test Type: **Conventional Bottom Hole**
 Tester: **Brandon Turley**
 Unit No: **35**

Interval: **4250.00 ft (KB) To 4296.00 ft (KB) (TVD)**
 Total Depth: **4296.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2990.00 ft (KB)**
2985.00 ft (CF)
 KB to GR/CF: **5.00 ft**

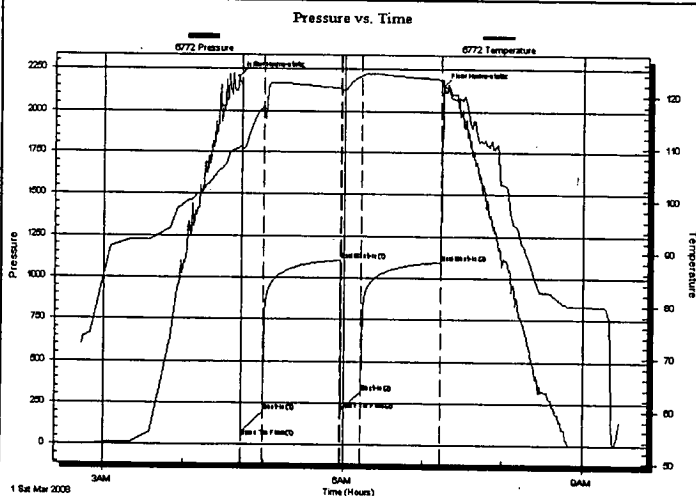
Serial #: 6772

Outside

Press@RunDepth: **314.70 psig @ 4251.00 ft (KB)**
 Start Date: **2008.03.01** End Date: **2008.03.01**
 Start Time: **02:42:58** End Time: **09:28:07**

Capacity: **7000.00 psig**
 Last Calib.: **2008.03.01**
 Time On Btm: **2008.03.01 @ 04:40:38**
 Time Off Btm: **2008.03.01 @ 07:15:22**

TEST COMMENT: IF 1/4 blow BOB in 5 min.
 IS No return
 FF 1/4 blow BOB in 6 min.
 FS No return



PRESSURE SUMMARY

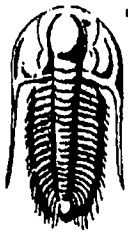
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2202.47	109.74	Initial Hydro-static
3	42.39	109.55	Open To Flow (1)
19	198.38	118.14	Shut-In(1)
77	1103.64	121.45	End Shut-In(1)
78	209.16	121.21	Open To Flow (2)
93	314.70	123.80	Shut-In(2)
154	1091.90	123.19	End Shut-In(2)
155	2148.80	122.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
441.00	MCW 95%W 5%M	5.07
126.00	MCW 60%W 40%M	1.77
83.00	WCM 20%W 80%M	1.16

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

ATTN: Dan Blankenau

Job Ticket: 29647

DST#: 2

Test Start: 2008.03.01 @ 02:42:58

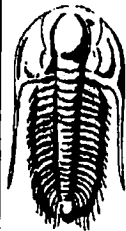
Tool Information

Drill Pipe:	Length: 4130.00 ft	Diameter: 3.80 inches	Volume: 57.93 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 58.53 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	4250.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	46.00 ft				
Tool Length:	66.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4231.00	
Shut In Tool	5.00			4236.00	
Hydraulic tool	5.00			4241.00	
Packer	5.00			4246.00	20.00 Bottom Of Top Packer
Packer	4.00			4250.00	
Stubb	1.00			4251.00	
Recorder	0.00	6769	Inside	4251.00	
Recorder	0.00	6772	Outside	4251.00	
Perforations	7.00			4258.00	
Change Over Sub	1.00			4259.00	
Drill Pipe	31.00			4290.00	
Change Over Sub	1.00			4291.00	
Bullnose	5.00			4296.00	46.00 Bottom Packers & Anchor

Total Tool Length: 66.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

ATTN: Dan Blankenau

Job Ticket: 29647

DST#: 2

Test Start: 2008.03.01 @ 02:42:58

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 6.37 in³

Resistivity: 0.00 ohm.m

Salinity: 2900.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

0 deg API

Water Salinity:

53000 ppm

ft

bbbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
441.00	MCW 95%W 5%M	5.066
126.00	MCW 60%W 40%M	1.767
83.00	WCM 20%W 80%M	1.164

Total Length: 650.00 ft

Total Volume: 7.997 bbl

Num Fluid Samples: 0

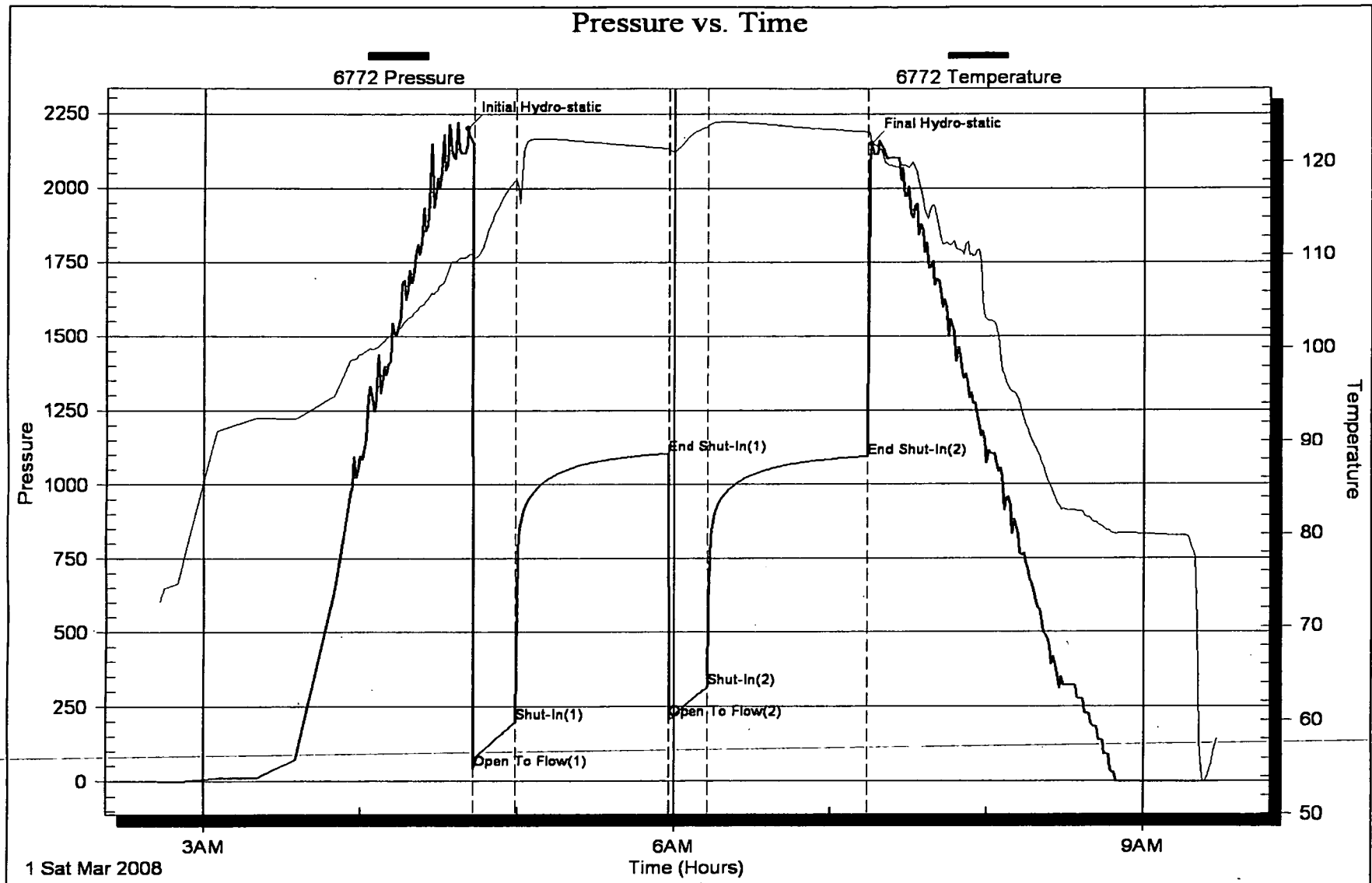
Num Gas Bombs: 0

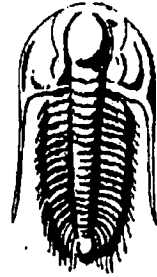
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy**

PO Box 292
Wahoo NE 68066

ATTN: Dan Blankenau

5 17S 32W Scott KS

Zanobia #3

Start Date: 2008.03.02 @ 01:15:15

End Date: 2008.03.02 @ 09:15:09

Job Ticket #: 29648 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Great Plains Energy

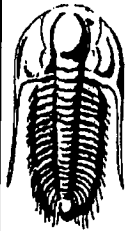
Zanobia #3

5 17S 32W Scott KS

DST # 3

Altamont A&B

2008.03.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

ATTN: Dan Blankenau

Job Ticket: 29648

DST#: 3

Test Start: 2008.03.02 @ 01:15:15

GENERAL INFORMATION:

Formation: **Altamont A&B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:34:40

Time Test Ended: 09:15:09

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4405.00 ft (KB) To 4462.00 ft (KB) (TVD)**

Total Depth: 4462.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2990.00 ft (KB)

2985.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Outside

Press@RunDepth: 20.20 psig @ 4406.00 ft (KB)

Start Date: 2008.03.02

End Date:

2008.03.02

Start Time: 01:15:15

End Time:

09:15:09

Capacity: 7000.00 psig

Last Calib.: 2008.03.02

Time On Btm: 2008.03.02 @ 03:32:25

Time Off Btm: 2008.03.02 @ 07:07:09

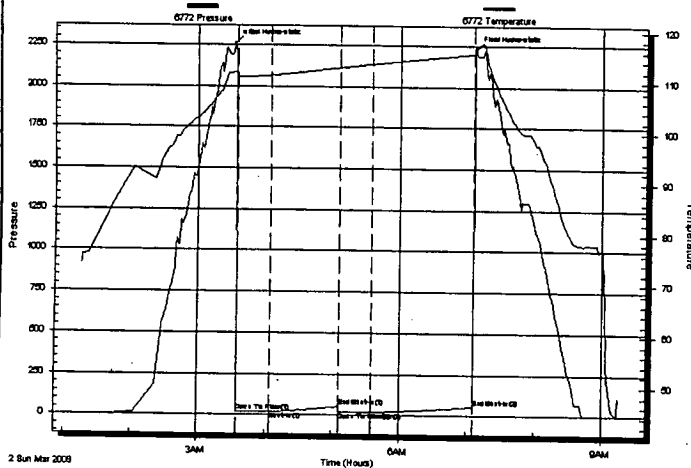
TEST COMMENT: IF 1/4 blow died in 11 min.

IS No return

FF No blow

FS No return

Pressure vs. Time



PRESSURE SUMMARY

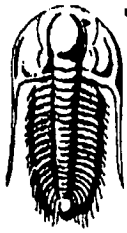
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2257.64	111.99	Initial Hydro-static
3	18.33	111.27	Open To Flow (1)
33	19.50	111.34	Shut-In (1)
93	52.63	112.86	End Shut-In (1)
94	18.81	112.85	Open To Flow (2)
123	20.20	113.54	Shut-In (2)
214	55.17	115.59	End Shut-In (2)
215	2229.27	116.96	Final Hydro-static

Recovery

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

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

Job Ticket: 29648

DST#: 3

ATTN: Dan Blankenau

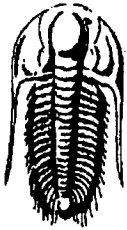
Test Start: 2008.03.02 @ 01:15:15

Tool Information

Drill Pipe:	Length: 4285.00 ft	Diameter: 3.80 inches	Volume: 60.11 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: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 60.71 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4405.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Stubb	1.00			4379.00	
Shut In Tool	5.00			4384.00	
Hydraulic tool	5.00			4389.00	
Jars	5.00			4394.00	
Safety Joint	2.00			4396.00	
Packer	5.00			4401.00	27.00 Bottom Of Top Packer
Packer	4.00			4405.00	
Stubb	1.00			4406.00	
Recorder	0.00	6769	Inside	4406.00	
Recorder	0.00	6772	Outside	4406.00	
Perforations	18.00			4424.00	
Change Over Sub	1.00			4425.00	
Drill Pipe	31.00			4456.00	
Change Over Sub	1.00			4457.00	
Bullnose	5.00			4462.00	57.00 Bottom Packers & Anchor
Total Tool Length:	84.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

Job Ticket: 29648

DST#: 3

ATTN: Dan Blankenau

Test Start: 2008.03.02 @ 01:15:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 6.78 in³

Resistivity: 0.00 ohm.m

Salinity: 3100.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity:

0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

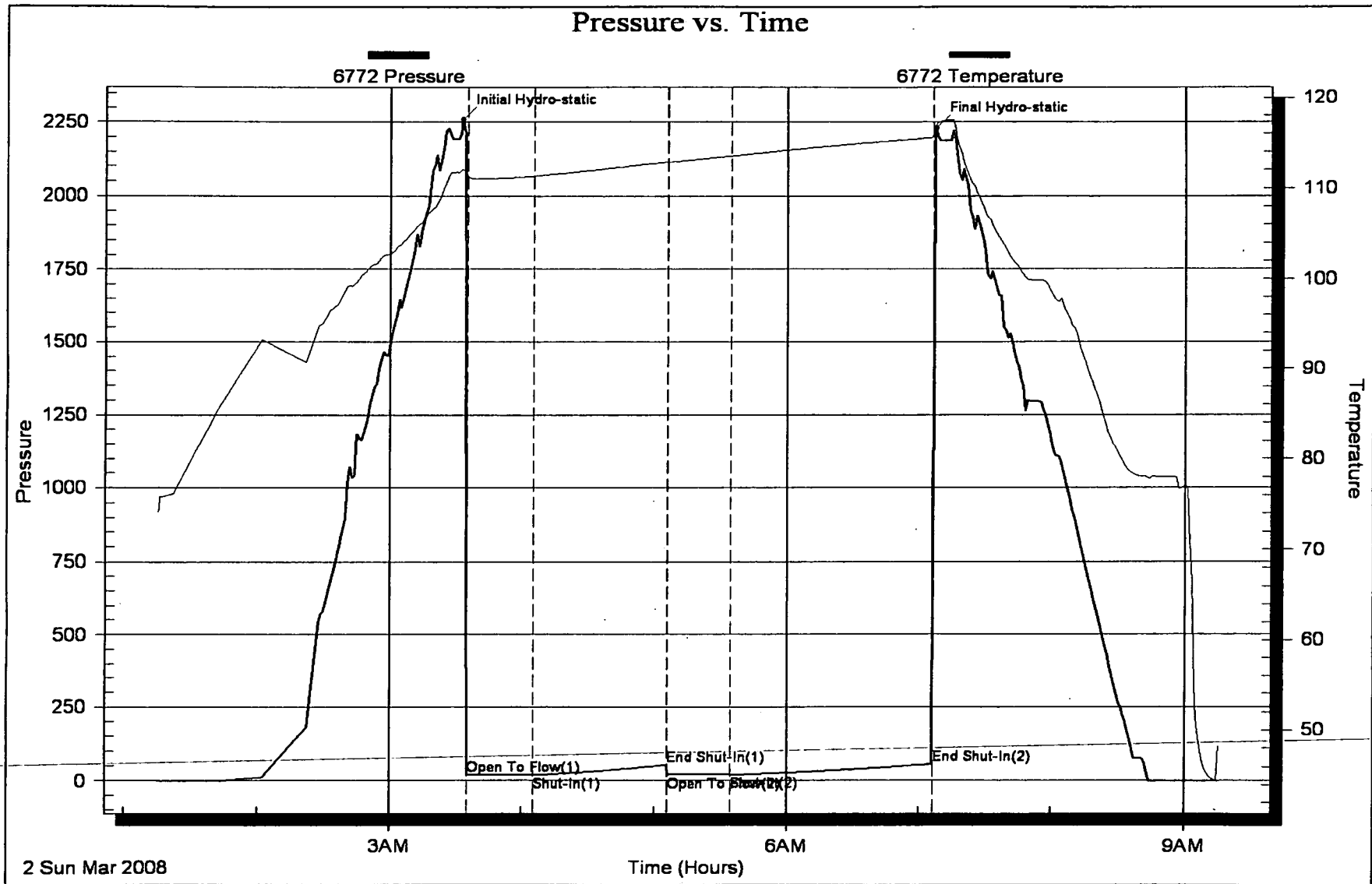
Num Gas Bombs: 0

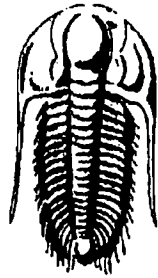
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy**

PO Box 292
Wahoo NE 68066

ATTN: Dan Blankenau

5 17S 32W Scott KS

Zanobia #3

Start Date: 2008.03.02 @ 22:45:21

End Date: 2008.03.03 @ 06:57:45

Job Ticket #: 29649 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Great Plains Energy

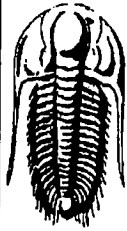
Zanobia #3

5 17S 32W Scott KS

DST # 4

Myric-Ft. Scott

2008.03.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

ATTN: Dan Blankenau

Job Ticket: 29649

DST#: 4

Test Start: 2008.03.02 @ 22:45:21

GENERAL INFORMATION:

Formation: **Myric- Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:59:01

Time Test Ended: 06:57:45

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4492.00 ft (KB) To 4564.00 ft (KB) (TVD)**

Total Depth: 4564.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2990.00 ft (KB)

2985.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Outside

Press@RunDepth: 64.95 psig @ 4493.00 ft (KB)

Start Date: 2008.03.02

End Date:

2008.03.03

Start Time: 22:45:21

End Time:

06:57:45

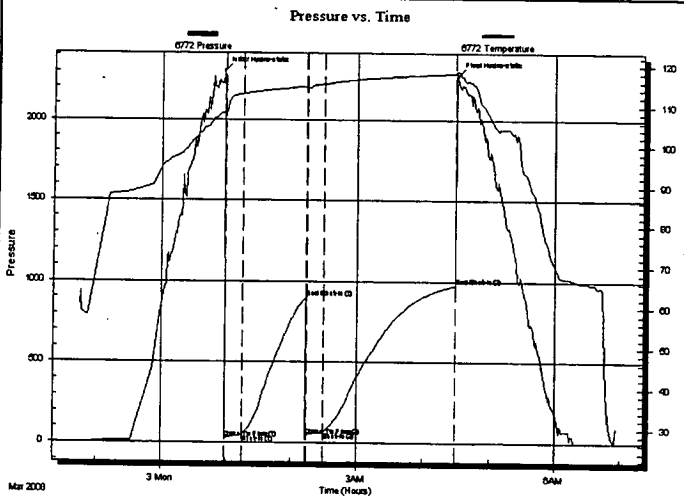
Capacity: 7000.00 psig

Last Calib.: 2008.03.03

Time On Btm: 2008.03.03 @ 00:57:16

Time Off Btm: 2008.03.03 @ 04:31:00

TEST COMMENT: IF 1/4 blow BOB in 12 min.
IS Surface blow built to 1/4 died in 30 min.
FF BOB in 3 min.
FS Surface blow built to 1/4 died in 40 min.



PRESSURE SUMMARY

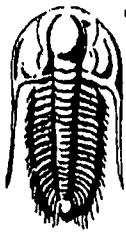
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2298.77	108.42	Initial Hydro-static
2	25.43	108.27	Open To Flow (1)
18	48.04	112.93	Shut-In (1)
77	897.05	114.82	End Shut-In (1)
78	44.60	114.59	Open To Flow (2)
92	64.95	115.38	Shut-In (2)
213	973.90	118.09	End Shut-In (2)
214	2274.36	118.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
143.00	GOCM 10%G 10%O 80%M	0.89

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

Job Ticket: 29649

DST#: 4

ATTN: Dan Blankenau

Test Start: 2008.03.02 @ 22:45:21

Tool Information

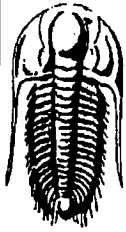
Drill Pipe:	Length: 4348.00 ft	Diameter: 3.80 inches	Volume: 60.99 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 61.59 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4492.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Stubb	1.00			4466.00	
Shut In Tool	5.00			4471.00	
Hydraulic tool	5.00			4476.00	
Jars	5.00			4481.00	
Safety Joint	2.00			4483.00	
Packer	5.00			4488.00	27.00 Bottom Of Top Packer
Packer	4.00			4492.00	
Stubb	1.00			4493.00	
Recorder	0.00	6769	inside	4493.00	
Recorder	0.00	6772	Outside	4493.00	
Perforations	2.00			4495.00	
Change Over Sub	1.00			4496.00	
Drill Pipe	62.00			4558.00	
Change Over Sub	1.00			4559.00	
Bullnose	5.00			4564.00	72.00 Bottom Packers & Anchor

Total Tool Length: 99.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

ATTN: Dan Blankenau

Job Ticket: 29649

DST#: 4

Test Start: 2008.03.02 @ 22:45:21

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 47.00 sec/qt

Water Loss: 7.18 in³

Resistivity: 0.00 ohm.m

Salinity: 4000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

0 deg API

0 ppm

ft

bbbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
143.00	GOCM 10%G 10%O 80%M	0.885

Total Length: 143.00 ft

Total Volume: 0.885 bbl

Num Fluid Samples: 0

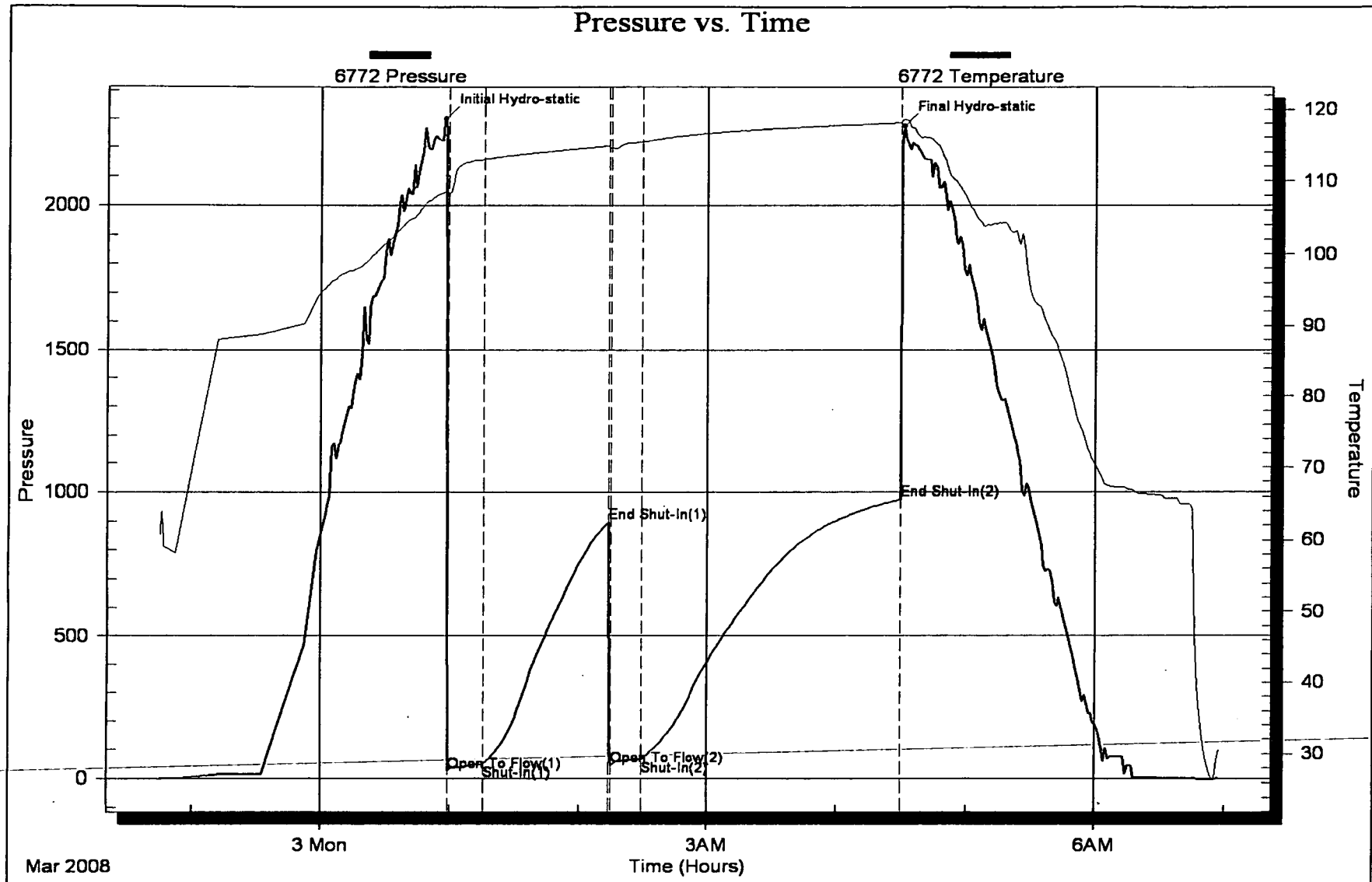
Num Gas Bombs: 0

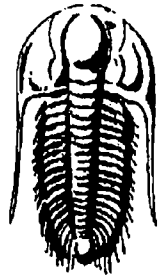
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 414 GIP





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy**

PO Box 292
Wahoo NE 68066

ATTN: Dan Blankenau

5 17S 32W Scott KS

Zanobia #3

Start Date: 2008.03.03 @ 17:44:32

End Date: 2008.03.04 @ 02:43:27

Job Ticket #: 29 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Printed: 2008.03.06 @ 12:16:03 Page 1

Great Plains Energy

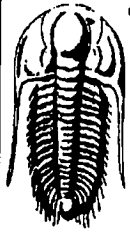
Zanobia #3

5 17S 32W Scott KS

DST # 5

Cherokee

2008.03.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

ATTN: Dan Blankenau

Job Ticket: 29

DST#: 5

Test Start: 2008.03.03 @ 17:44:32

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:32:27

Time Test Ended: 02:43:27

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4560.00 ft (KB) To 4646.00 ft (KB) (TVD)**

Total Depth: 4646.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2990.00 ft (KB)

2985.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Outside

Press@RunDepth: 96.64 psig @ 4561.00 ft (KB)

Start Date: 2008.03.03

End Date:

2008.03.04

Start Time: 17:44:32

End Time:

02:43:27

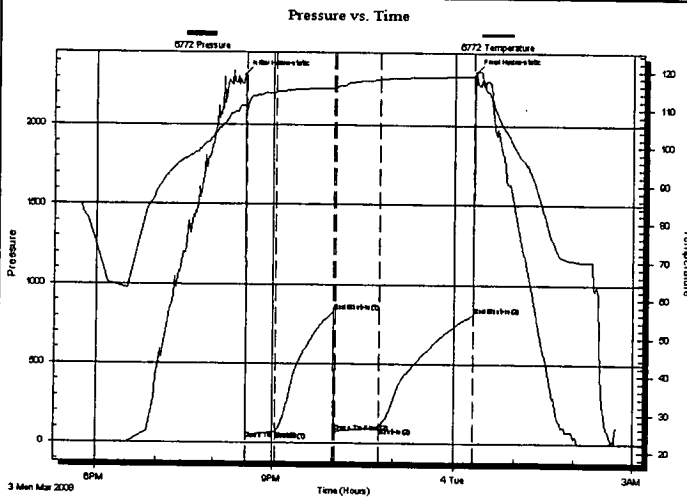
Capacity: 7000.00 psig

Last Calib.: 2008.03.04

Time On Btm: 2008.03.03 @ 20:30:57

Time Off Btm: 2008.03.04 @ 00:21:26

TEST COMMENT: IF 1/4 blow BOB in 20 min.
IS Weak surface blow died in 17 min.
FF BOB in 11 min.
FS Weak surface blow died in 14 min.



PRESSURE SUMMARY

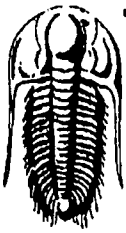
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2315.57	110.85	Initial Hydro-static
2	21.30	109.92	Open To Flow (1)
33	68.77	114.20	Shut-In (1)
91	827.39	115.42	End Shut-In (1)
92	66.78	115.43	Open To Flow (2)
136	96.64	117.64	Shut-In (2)
229	811.50	118.63	End Shut-In (2)
231	2334.36	119.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	MCGO 50%G 30%O 20%M	0.30
124.00	MCGO 10%G 50%O 40%M	1.17
10.00	OCM 40%O 60%M	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

ATTN: Dan Blankenau

Job Ticket: 29

DST#: 5

Test Start: 2008.03.03 @ 17:44:32

Tool Information

Drill Pipe:	Length: 4440.00 ft	Diameter: 3.80 inches	Volume: 62.28 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: 30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	62.88 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4560.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	86.00 ft			
Tool Length:	113.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Stubb	1.00			4534.00	
Shut In Tool	5.00			4539.00	
Hydraulic tool	5.00			4544.00	
Jars	5.00			4549.00	
Safety Joint	2.00			4551.00	
Packer	5.00			4556.00	27.00 Bottom Of Top Packer
Packer	4.00			4560.00	
Stubb	1.00			4561.00	
Recorder	0.00	6769	Inside	4561.00	
Recorder	0.00	6772	Outside	4561.00	
Perforations	16.00			4577.00	
Change Over Sub	1.00			4578.00	
Drill Pipe	62.00			4640.00	
Change Over Sub	1.00			4641.00	
Bullnose	5.00			4646.00	86.00 Bottom Packers & Anchor
Total Tool Length:	113.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

ATTN: Dan Blankenau

Job Ticket: 29

DST#: 5

Test Start: 2008.03.03 @ 17:44:32

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 6.79 in³

Resistivity: 0.00 ohm.m

Salinity: 4600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	MCGO 50%G 30%O 20%M	0.300
124.00	MCGO 10%G 50%O 40%M	1.175
10.00	OCM 40%O 60%M	0.140

Total Length: 195.00 ft

Total Volume: 1.615 bbl

Num Fluid Samples: 0

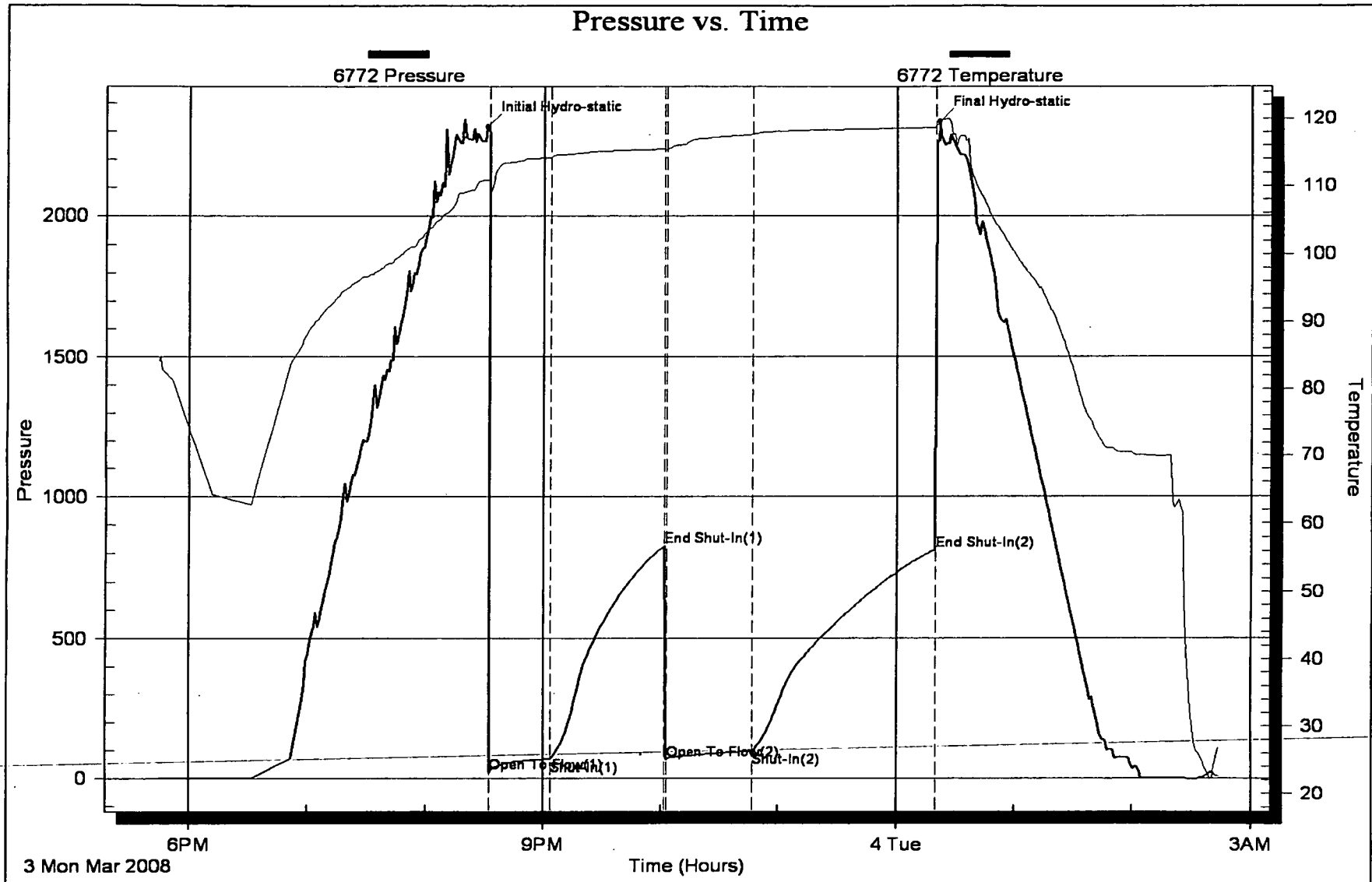
Num Gas Bombs: 0

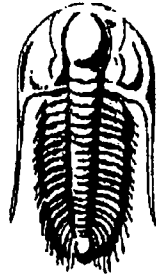
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 558 GIP





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Great Plains Energy**

PO Box 292
Wahoo NE 68066

ATTN: Dan Blankenau

5 17S 32W Scott KS

Zanobia #3

Start Date: 2008.03.04 @ 19:58:23

End Date: 2008.03.05 @ 03:17:23

Job Ticket #: 29476 DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Great Plains Energy

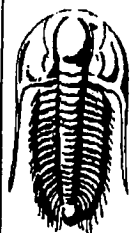
Zanobia #3

5 17S 32W Scott KS

DST # 6

LKC-L

2008.03.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Great Plains Energy

PO Box 292
Wahoo NE 68066

ATTN: Dan Blankenau

Zanobia #3

5 17S 32W Scott KS

Job Ticket: 29476

DST#: 6

Test Start: 2008.03.04 @ 19:58:23

GENERAL INFORMATION:

Formation: **LKC-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:13:08

Time Test Ended: 03:17:23

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4292.00 ft (KB) To 4345.00 ft (KB) (TVD)**

Total Depth: 4740.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2990.00 ft (KB)

2985.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772 Below (Straddle)

Press@RunDepth: 48.20 psig @ 4735.00 ft (KB)

Start Date: 2008.03.04

End Date:

2008.03.05

Start Time: 19:58:28

End Time:

03:17:22

Capacity: 7000.00 psig

Last Calib.: 2008.03.05

Time On Btm: 2008.03.04 @ 22:11:38

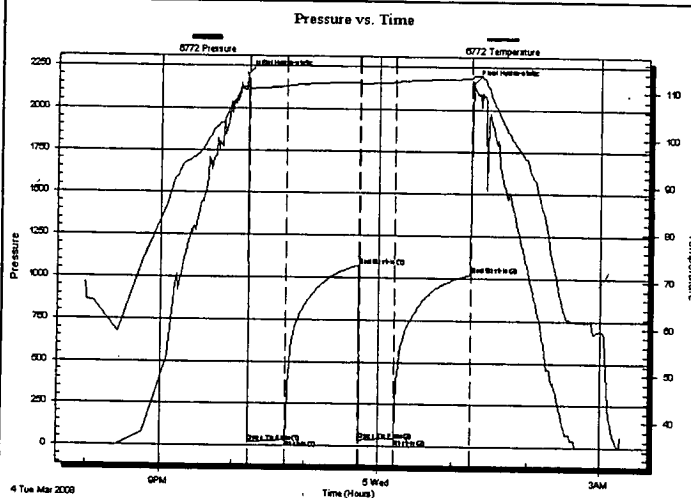
Time Off Btm: 2008.03.05 @ 01:15:53

TEST COMMENT: IF 1/4 blow built to 1 1/4 in 30 min.

IS No return

FF No blow

FS No return



PRESSURE SUMMARY

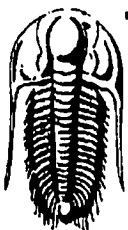
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2200.15	110.89	Initial Hydro-static
2	20.77	110.52	Open To Flow (1)
33	35.87	111.07	Shut-In(1)
93	1071.60	112.03	End Shut-In(1)
93	36.96	111.82	Open To Flow (2)
122	48.20	112.05	Shut-In(2)
183	1022.63	112.92	End Shut-In(2)
185	2154.88	113.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	100%M	0.30

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

Job Ticket: 29476

DST#: 6

ATTN: Dan Blankenau

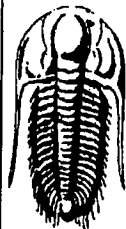
Test Start: 2008.03.04 @ 19:58:23

Tool Information

Drill Pipe:	Length: 4166.00 ft	Diameter: 3.80 inches	Volume: 58.44 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:	30000.00 lb
Drill Collar:	Length: 123.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	90000.00 lb
			Total Volume: 59.04 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	4292.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	448.00 ft				
Tool Length:	475.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Stubb	1.00			4266.00		
Shut In Tool	5.00			4271.00		
Hydraulic tool	5.00			4276.00		
Jars	5.00			4281.00		
Safety Joint	2.00			4283.00		
Packer	5.00			4288.00	27.00	Bottom Of Top Packer
Packer	4.00			4292.00		
Stubb	1.00			4293.00		
Perforations	4.00			4297.00		
Change Over Sub	1.00			4298.00		
Drill Pipe	31.00			4329.00		
Change Over Sub	1.00			4330.00		
Recorder	0.00	6769	Inside	4330.00		
Perforations	10.00			4340.00		
Recorder	0.00	7437	Outside	4340.00		
Blank Off Sub	1.00			4341.00	448.00	Tool Interval
Packer	4.00			4345.00		
Stubb	1.00			4346.00		
Perforations	12.00			4358.00		
Change Over Sub	1.00			4359.00		
Drill Pipe	375.00			4734.00		
Change Over Sub	1.00			4735.00		
Recorder	0.00	6772	Below	4735.00		
Bullnose	5.00			4740.00	1000474.00	Bottom Packers & Anchor
Total Tool Length:	475.00					



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Great Plains Energy

Zanobia #3

PO Box 292
Wahoo NE 68066

5 17S 32W Scott KS

Job Ticket: 29476

DST#: 6

ATTN: Dan Blankenau

Test Start: 2008.03.04 @ 19:58:23

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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
61.00	100%M	0.300

Total Length: 61.00 ft

Total Volume: 0.300 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

