



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1228929  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

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
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1228929

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

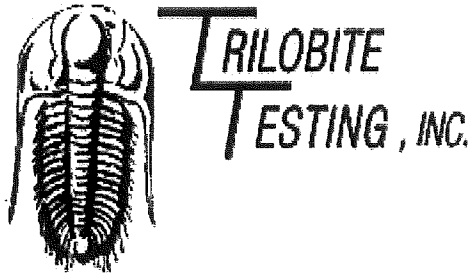
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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## DRILL STEM TEST REPORT

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

6121 S 58th St. STE B  
Lincoln, NE 68516

ATTN: Clayton Erickson

### **Votopka #2-26**

#### **29-3s-26w Decatur,KS**

Start Date: 2014.09.28 @ 14:00:00

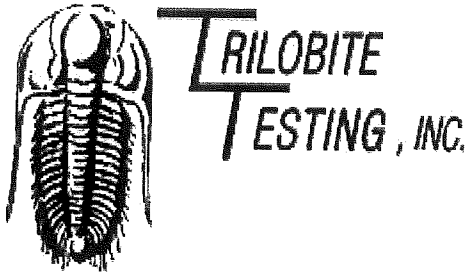
End Date: 2014.09.28 @ 22:08:30

Job Ticket #: 60181                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.03 @ 11:33:24





## DRILL STEM TEST REPORT

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

6121 S 58th St. STE B  
Lincoln, NE 68516

ATTN: Clayton Erickson

**Votopka #2-26**

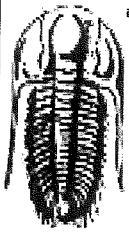
**29-3s-26w Decatur,KS**

Start Date: 2014.09.28 @ 04:07:00

End Date: 2014.09.28 @ 07:39:30

Job Ticket #: 60182                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Great Plains Energy, Inc.  
6121 S 58th St. STE B  
Lincoln, NE 68516  
ATTN: Clayton Erickson

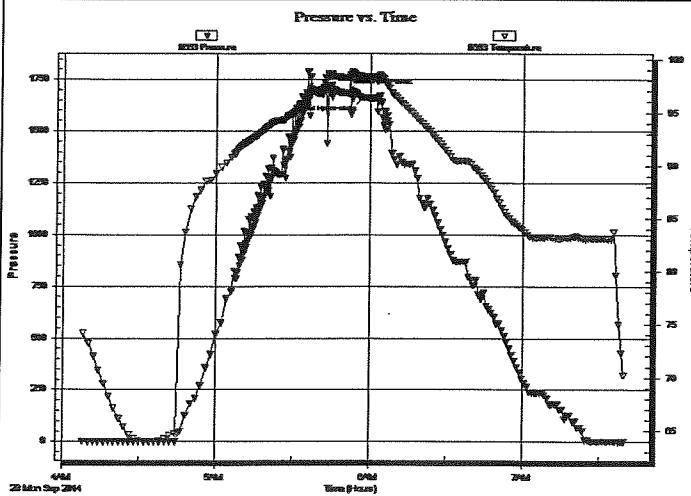
**29-3s-26w Decatur, KS**  
**Votopka #2-26**  
Job Ticket: 60182      **DST#: 2**  
Test Start: 2014.09.28 @ 04:07:00

### GENERAL INFORMATION:

Formation: **LKC "A"**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened:  
Time Test Ended: 07:39:30  
Interval: **3515.00 ft (KB) To 3540.00 ft (KB) (TVD)**  
Total Depth: 3540.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches      Hole Condition: Good  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Kevin Mack  
Unit No: 66  
Reference Elevations: 2530.00 ft (KB)  
2525.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8653      Outside**  
Press@RunDepth:      psig @ 3516.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.09.29      End Date: 2014.09.29      Last Calib.: 2014.09.29  
Start Time: 04:08:00      End Time: 07:39:30      Time On Btm: 2014.09.29 @ 05:50:40  
Time Off Btm: 2014.09.29 @ 05:57:10

**TEST COMMENT:** Packer Failure  
TOH to reset anchor



### PRESSURE SUMMARY

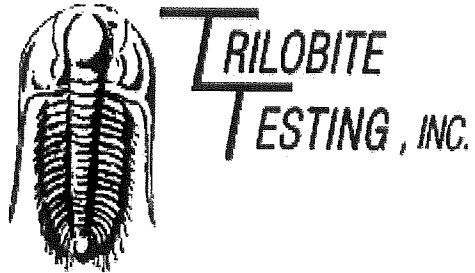
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1684.70	98.31	Initial Hydro-static
7	1662.58	98.41	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
375.00	Mud 100M	1.84

### Gas Rates

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



## DRILL STEM TEST REPORT

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

6121 S 58th St. STE B  
Lincoln, NE 68516

ATTN: Clayton Erickson

### **Votopka #2-26**

### **29-3s-26w Decatur,KS**

Start Date: 2014.09.29 @ 08:02:00

End Date: 2014.09.29 @ 15:30:00

Job Ticket #: 60183                      DST #: 3

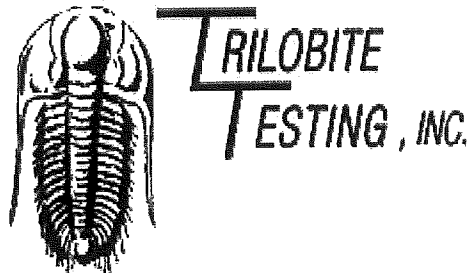
Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.03 @ 11:22:46

Great Plains Energy, Inc. 29-3s-26w Decatur,KS Votopka #2-26 DST # 3 LKC "A" 2014.09.29







## DRILL STEM TEST REPORT

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

6121 S 58th St. STE B  
Lincoln, NE 68516

ATTN: Clayton Erickson

### **Votopka #2-26**

#### **29-3s-26w Decatur,KS**

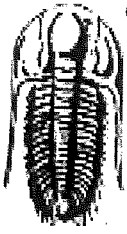
Start Date: 2014.09.29 @ 21:59:00

End Date: 2014.09.30 @ 05:21:00

Job Ticket #: 60184                      DST #: 4

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.03 @ 11:22:23



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Great Plains Energy, Inc.  
 6121 S 58th St. STE B  
 Lincoln, NE 68516  
 ATTN: Clayton Erickson

**29-3s-26w Decatur, KS**  
**Votopka #2-26**  
 Job Ticket: 60184 **DST#: 4**  
 Test Start: 2014.09.29 @ 21:59:00

## GENERAL INFORMATION:

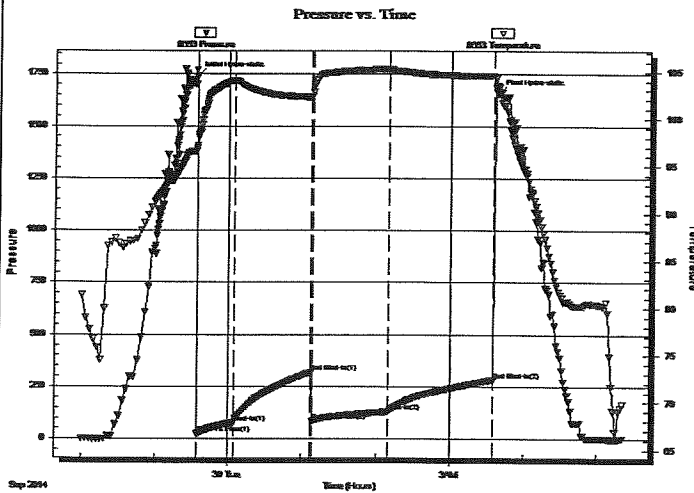
Formation: **LKC "B"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:34:10  
 Time Test Ended: 05:21:00  
 Interval: **3541.00 ft (KB) To 3563.00 ft (KB) (TVD)**  
 Total Depth: 3563.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Kevin Mack  
 Unit No: 66  
 Reference Elevations: 2530.00 ft (KB)  
 2525.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8653

Outside

Press@RunDepth: 129.13 psig @ 3542.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.09.29 End Date: 2014.09.30 Last Calib.: 2014.09.30  
 Start Time: 22:00:00 End Time: 05:21:00 Time On Btm: 2014.09.29 @ 23:33:50  
 Time Off Btm: 2014.09.30 @ 03:39:00

TEST COMMENT: 30 - IF- 1/4" Blow built to 8"  
 60 - IS- No Return  
 60 - FF- Surface Blow started at 3 min. Built to 5 1/2"  
 90 - FS- No Return



## PRESSURE SUMMARY

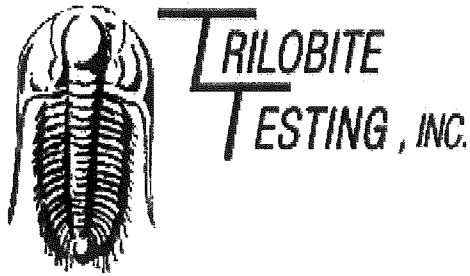
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1741.16	97.17	Initial Hydro-static
1	23.33	96.96	Open To Flow (1)
31	76.46	104.05	Shut-In(1)
94	318.21	102.29	End Shut-In(1)
95	84.60	102.80	Open To Flow (2)
157	129.13	105.29	Shut-In(2)
242	283.54	104.53	End Shut-In(2)
246	1657.81	103.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
180.00	MW 90W 10M	0.89
59.00	MW 80W 20M	0.29
1.00	Free Oil 100o	0.00

## Gas Rates

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



**DRILL STEM TEST REPORT**

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

6121 S 58th St. STE B  
Lincoln, NE 68516

ATTN: Clayton Erickson

**Votopka #2-26**

**29-3s-26w Decatur,KS**

Start Date: 2014.09.30 @ 15:30:00

End Date: 2014.09.30 @ 22:13:30

Job Ticket #: 60185                      DST #: 5

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.03 @ 11:21:57

Great Plains Energy, Inc. 29-3s-26w Decatur,KS Votopka #2-26 DST # 5 LKC "C-G" 2014.09.30



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Great Plains Energy, Inc.

**29-3s-26w Decatur, KS**

6121 S 58th St. STE B  
Lincoln, NE 68516

**Votopka #2-26**

Job Ticket: 60185

**DST#: 5**

ATTN: Clayton Erickson

Test Start: 2014.09.30 @ 15:30:00

## GENERAL INFORMATION:

Formation: **LKC "C-G"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 17:27:10  
 Time Test Ended: 22:13:30  
 Interval: **3561.00 ft (KB) To 3608.00 ft (KB) (TVD)**  
 Total Depth: 3608.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)  
 Tester: Kevin Mack  
 Unit No: 66  
 Reference Elevations: 2530.00 ft (KB)  
 2525.00 ft (CF)  
 KB to GR/CF: 5.00 ft

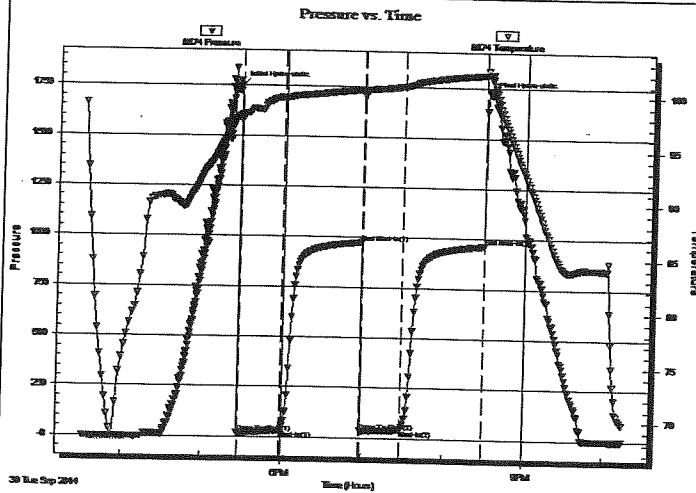
**Serial #: 8874**

**Inside**

Press@RunDepth: 42.89 psig @ 3562.00 ft (KB)  
 Start Date: 2014.09.30 End Date: 2014.09.30  
 Start Time: 15:31:00 End Time: 22:13:30

Capacity: 8000.00 psig  
 Last Calib.: 2014.09.30  
 Time On Btm: 2014.09.30 @ 17:26:50  
 Time Off Btm: 2014.09.30 @ 20:33:00

**TEST COMMENT:** 30 - IF- 1/5" Blow died in 18 min.  
 60 - IS- No Return  
 30 - FF- No Blow  
 60 - FS- No Return



## PRESSURE SUMMARY

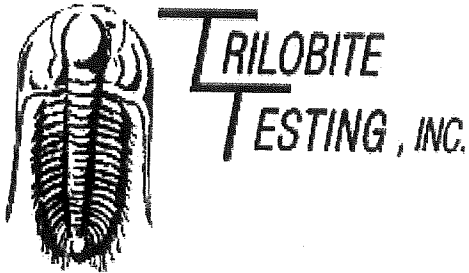
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1751.64	98.11	Initial Hydro-static
1	18.13	97.56	Open To Flow (1)
32	31.96	99.72	Shut-In(1)
91	974.70	100.51	End Shut-In(1)
92	34.63	99.89	Open To Flow (2)
122	42.89	100.85	Shut-In(2)
183	962.82	101.99	End Shut-In(2)
187	1715.59	101.70	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100M	0.07

## Gas Rates

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



## DRILL STEM TEST REPORT

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

6121 S 58th St. STE B  
Lincoln, NE 68516

ATTN: Clayton Erickson

### **Votopka #2-26**

#### **29-3s-26w Decatur,KS**

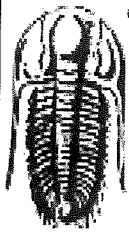
Start Date: 2014.10.01 @ 11:30:00

End Date: 2014.10.01 @ 17:59:30

Job Ticket #: 60186                      DST #: 6

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.03 @ 11:21:18



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Great Plains Energy, Inc.  
6121 S 58th St. STE B  
Lincoln, NE 68516  
ATTN: Clayton Erickson

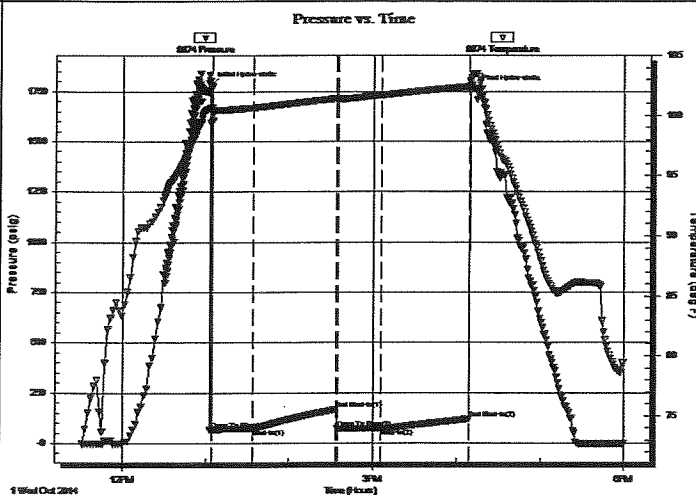
**29-3s-26w Decatur,KS**  
**Votopka #2-26**  
Job Ticket: 60186      **DST#: 6**  
Test Start: 2014.10.01 @ 11:30:00

## GENERAL INFORMATION:

Formation: **LKC "H-K"**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 13:04:30  
Time Test Ended: 17:59:30  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Kevin Mack  
Unit No: 66  
Interval: **3620.00 ft (KB) To 3713.00 ft (KB) (TVD)**  
Reference Elevations: 2530.00 ft (KB)  
Total Depth: 3713.00 ft (KB) (TVD)      2525.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Good      KB to GR/CF: 5.00 ft

**Serial #: 8874      Inside**  
Press@RunDepth: 71.82 psig @ 3621.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.10.01      End Date: 2014.10.01      Last Calib.: 2014.10.01  
Start Time: 11:31:00      End Time: 17:59:30      Time On Btm: 2014.10.01 @ 13:03:10  
Time Off Btm: 2014.10.01 @ 16:13:00

**TEST COMMENT:** 30 - IF- 1/4" Blow died in 20 min.  
60 - IS- No Return  
30 - FF- No Blow  
60 - FS- No Return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1782.38	100.74	Initial Hydro-static
2	68.21	99.60	Open To Flow (1)
31	70.94	100.65	Shut-In(1)
91	167.46	101.43	End Shut-In(1)
92	70.52	101.40	Open To Flow (2)
123	71.82	101.70	Shut-In(2)
186	119.02	102.43	End Shut-In(2)
190	1763.88	103.50	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	Mud 100M	0.44

## Gas Rates

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

# ALLIED OIL & GAS SERVICES, LLC 064111

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
Oakley, KS

DATE <u>9-25-14</u>	SEC. <u>29</u>	TWP. <u>3</u>	RANGE <u>26</u>	CALLED OUT	ON LOCATION <u>7:00 pm</u>	JOB START <u>7:20 pm</u>	JOB FINISH <u>10:00 pm</u>
LEASE <u>Dotopka</u>	WELL # <u>2-29</u>	LOCATION <u>Jennings S.W. 1/2 E</u>		COUNTY <u>Decatur</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one)							

CONTRACTOR Marfin 3

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 219'

CASING SIZE 8 1/8 DEPTH 219.52'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 13.06 661

OWNER Same

CEMENT AMOUNT ORDERED 200 SKS com 3800

EQUIPMENT

PUMP TRUCK # 431 CEMENTER Karane E Wauke

BULK TRUCK # 373/308 HELPER Wayne McElighy

BULK TRUCK # \_\_\_\_\_ DRIVER Juan Tamez (TWS)

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>200 SKS</u>	@	<u>17.90</u>	<u>3580.00</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>369#</u>	@	<u>1.10</u>	<u>620.40</u>
ASC		@		
	<u>Material Total</u>	@		<u>4200.40</u>
	<u>(1090.11/202)</u>	@		
		@		
		@		
		@		
		@		
HANDLING	<u>210 ft</u>	@	<u>2.48</u>	<u>520.80</u>
MILEAGE	<u>968 km x 65</u>	@	<u>2.75</u>	<u>1730.30</u>
TOTAL				

REMARKS:

Mix 200 SKS cement

Displace with water

Cement slid Circulator

2.5 SKS to pit

Thank you!

CHARGE TO: Great Plains Energy

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE MLTU 65 @ 7.70 500.5

MANIFOLD Head @ 275.00

MLU 65 @ 4.40 286.60

(105331/202)

TOTAL 4220.40

PLUG & FLOAT EQUIPMENT

Woodcamp log @ 110.00

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL 110.00

To: Allied Oil & Gas Services, 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 Selt

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 9,130.85

DISCOUNT 2,345.40 (20%) IF PAID IN 30 DAYS

6,785.45 Net.







Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: VOTOPKA #2-29  
 Location: NE SE SW SW Sec 29 T3S R26W  
 License Number:  
 Spud Date: 9/25/2014  
 Surface Coordinates: 1200' FWL & 335' FSL  
 Region: Decatur County, KS  
 Drilling Completed: 10/2/2014

Bottom Hole Coordinates:  
 Ground Elevation (ft): 2525  
 Logged Interval (ft): 3200  
 Formation:  
 Type of Drilling Fluid: Chemical mud

K.B. Elevation (ft): 2530  
 Total Depth (ft): 3800

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Great Plains Energy, Inc.  
 Address: 6121 South 58th Street, Ste. B  
 Lincoln, NE 68516

GEOLOGIST

Name: Clayton Erickson  
 Company: Erickson Wellsite Geology  
 Address: 402 Palmer Street  
 P.O. Box 294  
 Loomis, NE 68958

DSTs

DST #1 3470-3520; 30-60-60-90; Hydro: 1688-1654 IFP: 18-78 ISIP: 1173 FFP: 86-183 FSIP: 1153; Rec: 120' 65%w 35%w 240' 90%w 10%w; BHT: 104 F; RW: 0.11@ 74F Cht: 63,000ppm; IF: 7 1/2" ISI: dead FF: 10" FSI: dead

DST #2 3515-3540 misrun

DST #3 3520-3540; 30-60-60-90; Hydro: 1677-1683 IFP: 28-41 ISIP: 900 FFP: 34-29 FSIP: 800; Rec: 10' mud; BHT: 102F; IF: 1/2" ISI: dead FF: dead FSI: dead

DST #4 3541-3563; 30-60-60-90; Hydro: 1741-1657 IFP: 23-76 ISIP: 318 FFP: 84-129 FSIP: 283; Rec: 1' free oil 59' 80%w 20%w 180' 90%w 10%w; BHT: 105F; RW: 0.19@ 56F Cht: 51,000ppm; IF: 8" ISI: dead FF: 5 1/2" FSI: dead

DST #5 3561-3608; 30-60-30-60; Hydro: 1751-1715 IFP: 18-31 ISIP: 974 FFP: 34-42 FSIP: 962; Rec: 15' mud; BHT: 102F; IF: 1/4" dead in 18min ISI: dead FF: dead FSI: dead

DST #6 3620-3713; 30-60-30-60; Hydro: 1782-1763 IFP: 68-70 ISIP: 160 FFP: 70-71 FSIP: 119; Rec: 90' mud; BHT: 102F; IF: 1/4" dead in 20min ISI: dead FF: dead FSI: dead

COMMENTS

FORMATION TOPS

Log Tops	Sample tops
ANHYDRITE 2117(+413)	
Base Anhydrite 2150(+380)	
TOPEKA 3316(-788)	3318(-790)
HEEBNER 3488(-958)	3488(-958)
TORONTO 3517(-987)	3517(-987)
LANSING 3531(-1001)	3530(-1000)
BKC 3728(-1198)	3730(-1200)
TD 3789(-1259)	3800(-1270)

ROCK TYPES

Anhy	Clyst	Gyp	Mrlst	Shgy
Bent	Carb. shale	Igne	Salt	Siltst
Brec	Arkose	Lmst	Shale	Ss
Cht	Dol	Meta	Shcol	Till

OTHER SYMBOLS

Oil Show Even	Spotted Ques	Dead	Interval Dst
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