

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Great Plains Energy, Inc.

1-1s-25w Norton, KS

6121 S. 58 St. STE B
Lincoln NE 68516

Kasson #1-1

Job Ticket: 50726

DST#: 1

ATTN: Clayton Erickson

Test Start: 2013.04.09 @ 03:35:00

GENERAL INFORMATION:

Formation: **LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:05:30

Time Test Ended: 09:46:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Nichols

Unit No: 61

Interval: **3140.00 ft (KB) To 3205.00 ft (KB) (TVD)**

Total Depth: 3205.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2319.00 ft (KB)

2314.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8651

Outside

Press@RunDepth: psig @ 3141.00 ft (KB)

Start Date: 2013.04.09

End Date:

2013.04.09

Capacity: 8000.00 psig

Last Calib.:

2013.04.09

Start Time: 03:35:01

End Time:

09:46:00

Time On Btm:

Time Off Btm:

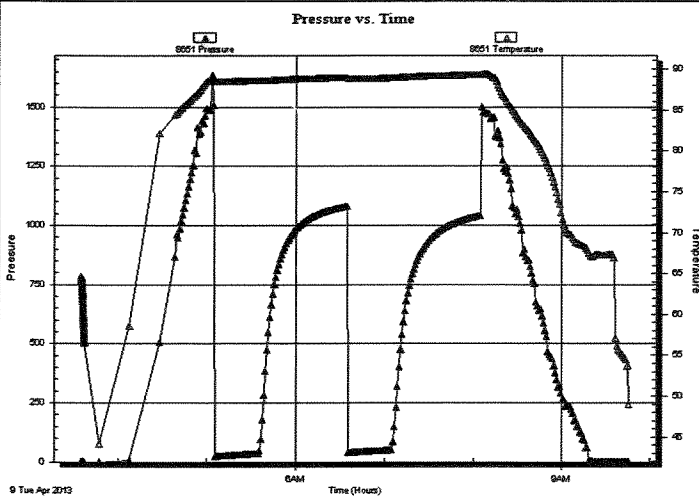
TEST COMMENT: 30 IF - 3/4" blow built to 1 1/2"

60 ISI - No return

30 FF - No blow

60 FSI - No return

PRESSURE SUMMARY



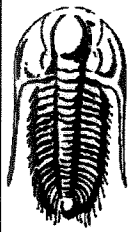
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
60.00	Mud - 100%M	0.30

Gas Rates

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



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ATTN: Clayton Erickson

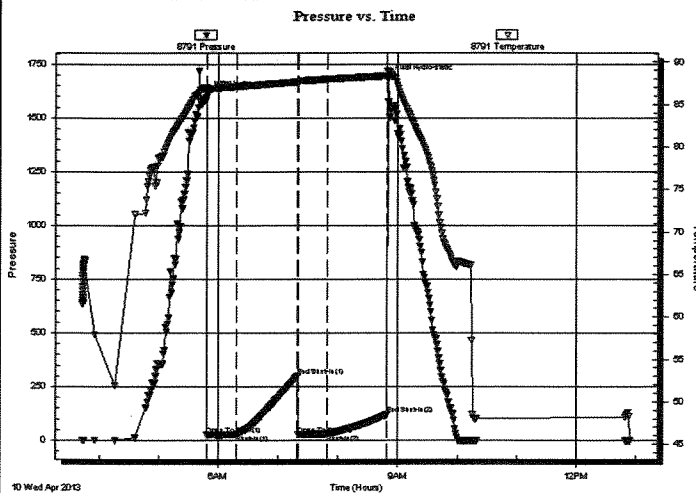
1-1s-25w Norton,KS
Kasson #1-1
Job Ticket: 50727 **DST#: 2**
Test Start: 2013.04.10 @ 03:43:00

GENERAL INFORMATION:

Formation: **LKC " H "**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:48:30
Time Test Ended: 12:55:00
Interval: **3300.00 ft (KB) To 3350.00 ft (KB) (TVD)**
Total Depth: **3350.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Good
Test Type: Conventional Bottom Hole (Reset)
Tester: Ryan Nichols
Unit No: 61
Reference Elevations: **2319.00 ft (KB)**
2314.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 8791 **Inside**
Press@RunDepth: **28.49 psig @ 3301.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2013.04.10** End Date: **2013.04.10** Last Calib.: **2013.04.10**
Start Time: **03:43:01** End Time: **12:55:00** Time On Btm: **2013.04.10 @ 05:48:00**
Time Off Btm: **2013.04.10 @ 08:49:30**

TEST COMMENT: 30 IF - 1" Blow built to 2" (in diesel)
60 ISI - Surface blow started @ 5mins
30 FF - No blow
60 FSI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1609.34	87.05	Initial Hydro-static
1	25.44	86.66	Open To Flow (1)
31	26.18	87.10	Shut-In(1)
92	298.35	87.65	End Shut-In(1)
92	27.95	87.58	Open To Flow (2)
121	28.49	87.98	Shut-In(2)
181	118.80	88.35	End Shut-In(2)
182	1680.37	88.94	Final Hydro-static

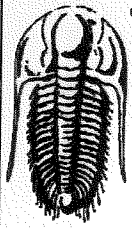
Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM - 20%o - 80%M	0.07

* Recovery from multiple tests

Gas Rates

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



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1-1s-25w Norton, KS

6121 S. 58 St. STE B
Lincoln NE 68516

Kasson #1-1

ATTN: Clayton Erickson

Job Ticket: 50728

DST#: 3

Test Start: 2013.04.10 @ 20:52:01

GENERAL INFORMATION:

Formation: **Cherokee & Reagan**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:35:00

Time Test Ended: 03:44:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 61

Interval: 3376.00 ft (KB) To 3436.00 ft (KB) (TVD)

Total Depth: 3436.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2319.00 ft (KB)

2314.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8791

Inside

Press@RunDepth: 561.34 psig @ 3377.00 ft (KB)

Start Date: 2013.04.10

End Date:

2013.04.11

Capacity:

8000.00 psig

Start Time:

20:52:01

End Time:

03:44:00

Last Calib.:

2013.04.11

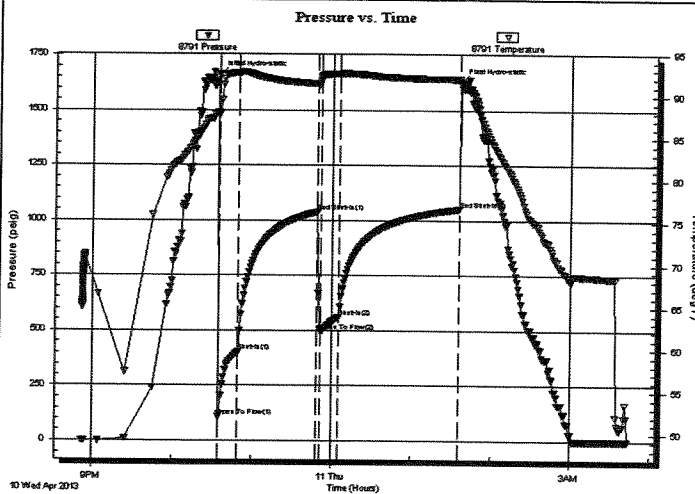
Time On Btm:

2013.04.10 @ 22:34:30

Time Off Btm:

2013.04.11 @ 01:36:30

TEST COMMENT: 15 IF - packer failure picked up and reset, BoB in 2 mins (in diesel)
60 ISI - Surface blow started @ 3 mins built to 1"
15 FF - BoB in 1 min
90 FSI - Surface blow started @ 13 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.05	88.04	Initial Hydro-static
1	106.90	87.70	Open To Flow (1)
15	402.54	92.65	Shut-In(1)
74	1038.60	91.42	End Shut-In(1)
77	498.04	92.20	Open To Flow (2)
91	561.34	92.59	Shut-In(2)
181	1051.05	91.95	End Shut-In(2)
182	1628.26	91.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	MCW - 5%M - 95%W	1.48
302.00	MCW - 45%M - 55%W	1.71
248.00	MCW - 20%M - 80%W	3.48
60.00	MCW - 45%M - 55%W	0.84
144.00	Mud - 100%M	2.02

* Recovery from multiple tests

Gas Rates

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

ALLIED OIL & GAS SERVICES, LLC 058984

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Oakley

DATE <u>4-5-13</u>	SEC. <u>1</u>	TWP. <u>1</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Kasson</u>	WELL# <u>1-1</u>	LOCATION <u>Regear 1 1/2 N EINTO</u>			COUNTY <u>Morton</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>							

CONTRACTOR Murphy 3 OWNER same

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 220' CEMENT

CASING SIZE 8 5/8 DEPTH 220' AMOUNT ORDERED 185 sks com

TUBING SIZE DEPTH 396cc

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 157

PERFS.

DISPLACEMENT 13.05 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Andrew Forslund

431 HELPER Dane Retzlaff

BULK TRUCK

342 DRIVER Darrin Hoeib

BULK TRUCK

DRIVER

REMARKS:

Cement did circulate

thank you

CHARGE TO: Great Plains Energy

STREET

CITY STATE ZIP

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 [Signature]

COMMON 185 sks @ 17.90 3311.50

POZMIX @

GEL @

CHLORIDE 7 sks @ 64.00 448.00

ASC @

@

@

@

@

@

@

@

HANDLING 194.25 cu/ft @ 2.48 481.74

MILEAGE 260 mi @ 8.9570 2328.90

TOTAL 5,870.14

SERVICE

DEPTH OF JOB 220'

PUMP TRUCK CHARGE 1512.25

EXTRA FOOTAGE @

MILEAGE 70 miles @ 7.70 539.00

MANIFOLD head @ 225.00

Light vehicle @ 4.40 308.00

@

TOTAL 2,634.25

PLUG & FLOAT EQUIPMENT

8 5/8

1 Surface Plug @ 107.64

@

@

@

TOTAL 107.64

SALES TAX (If Any)

TOTAL CHARGES 8,612.03

DISCOUNT 2239.12 IF PAID IN 30 DAYS

6,372.90 Net.

ALLIED OIL & GAS SERVICES, LLC 060235

Federal Tax I.D. # 20-8651475

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

SERVICE POINT:
Oakley, KS

DATE <i>4-11-13</i>	SEC. <i>1</i>	TWP. <i>1</i>	RANGE <i>25</i>	CALLED OUT	ON LOCATION <i>11:03pm</i>	JOB START <i>2:00am</i>	JOB FINISH <i>3:00am</i>
LEASE <i>Kasson</i>	WELL # <i>1-1</i>	LOCATION <i>Reager 11/2N Eudo</i>			COUNTY <i>Norton</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *Murfin 3*

TYPE OF JOB *PTA*

HOLE SIZE *7 7/8* T.D. *3500'*

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE *4 1/2* DEPTH *3410'*

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT *41.38 bbl*

OWNER *same*

CEMENT AMOUNT ORDERED *2705kg 60/40 4%gf*

1/4 # flo seal

COMMON	<i>162 sb</i>	@	<i>17.90</i>	<i>2899.80</i>
POZMIX	<i>108 sb</i>	@	<i>9.35</i>	<i>1009.80</i>
GEL	<i>95 lb</i>	@	<i>23.40</i>	<i>210.60</i>
CHLORIDE		@		
ASC		@		
	<i>flo seal 68#</i>	@	<i>2.97</i>	<i>201.96</i>
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>289.98 sb</i>	@	<i>2.48</i>	<i>719.15</i>
MILEAGE	<i>12.11 hr x 70 x 2.50</i>			<i>2204.02</i>
TOTAL				<i>7,245.33</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Lafrene Ewert*

423/281 HELPER *Paul Beaver*

BULK TRUCK

594/287 DRIVER *Darrin Hoeb*

BULK TRUCK

_____ DRIVER _____

REMARKS:

mix 505 kg 3400'

mix 23 sb 1840'

mix 180 sb 1095'

mix 40 sb 270'

mix 10 sb w/ plug 40'

plug 11 lb - 132 lb

plug Rlt - 305 lb

Thank you

CHARGE TO: *Great Plains Energy*

STREET _____

CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, LLC.
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PRINTED NAME *Benny Dickinson*

SIGNATURE *Benny Dickinson*

SERVICE

DEPTH OF JOB *3410'*

PUMP TRUCK CHARGE *2600.97*

EXTRA FOOTAGE _____ @ _____

MILEAGE *MT HO 70* @ *2.20* *339.00*

MANIFOLD _____ @ _____

MT HO 70 @ *4.40* *308.00*

TOTAL *3,447.47*

PLUG & FLOAT EQUIPMENT

wooden plug @ *107.64*

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL *107.64*

SALES TAX (If Any) _____

TOTAL CHARGES *10,800.44*

DISCOUNT *2,808.11* IF PAID IN 30 DAYS

7,992.32. Net.