



**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

**Votapka A 1**

Job Ticket: 64514

**DST#: 4**

ATTN: Rich Bell

Test Start: 2018.03.08 @ 08:25:00

## GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:27:46

Time Test Ended: 16:20:00

Test Type: Conventional Straddle (Reset)

Tester: Jim Svaty

Unit No: 76

**Interval: 3543.00 ft (KB) To 3594.00 ft (KB) (TVD)**

Reference Elevations: 2588.00 ft (KB)

Total Depth: 3830.00 ft (KB) (TVD)

2583.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8400**

**Inside**

Press@RunDepth: 61.61 psig @ 3548.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2018.03.08

End Date:

2018.03.08

Last Calib.:

2018.03.08

Start Time: 08:25:01

End Time:

16:19:46

Time On Btm:

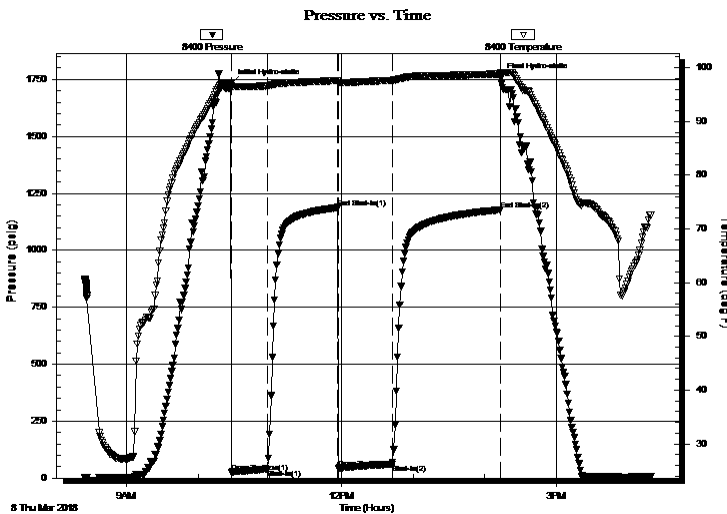
2018.03.08 @ 10:27:31

Time Off Btm:

2018.03.08 @ 14:13:31

**TEST COMMENT:** 30-IFP- Surface Blow Building to 2 1/4in.  
60-ISIP- No Blow  
45-FFP- Surface Blow Building to 2 1/2in.  
90-FSIP- No Blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1732.29	96.96	Initial Hydro-static
1	26.75	96.15	Open To Flow (1)
31	39.18	96.63	Shut-In(1)
90	1187.92	97.61	End Shut-In(1)
90	41.32	97.10	Open To Flow (2)
136	61.61	97.64	Shut-In(2)
226	1177.36	98.84	End Shut-In(2)
226	1755.51	99.00	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	Mud 100%	0.31

\* Recovery from multiple tests

## Gas Rates

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







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**FLUID SUMMARY**

Great Plains Energy Inc

**29 3s 26w Decatur KS**

6121 S 58th ST Ste B  
Lincoln NE 68516

**Votapka A 1**

Job Ticket: 64514

**DST#: 4**

ATTN: Rich Bell

Test Start: 2018.03.08 @ 08:25:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	Mud 100%	0.310

Total Length: 63.00 ft      Total Volume: 0.310 bbl

Num Fluid Samples: 0

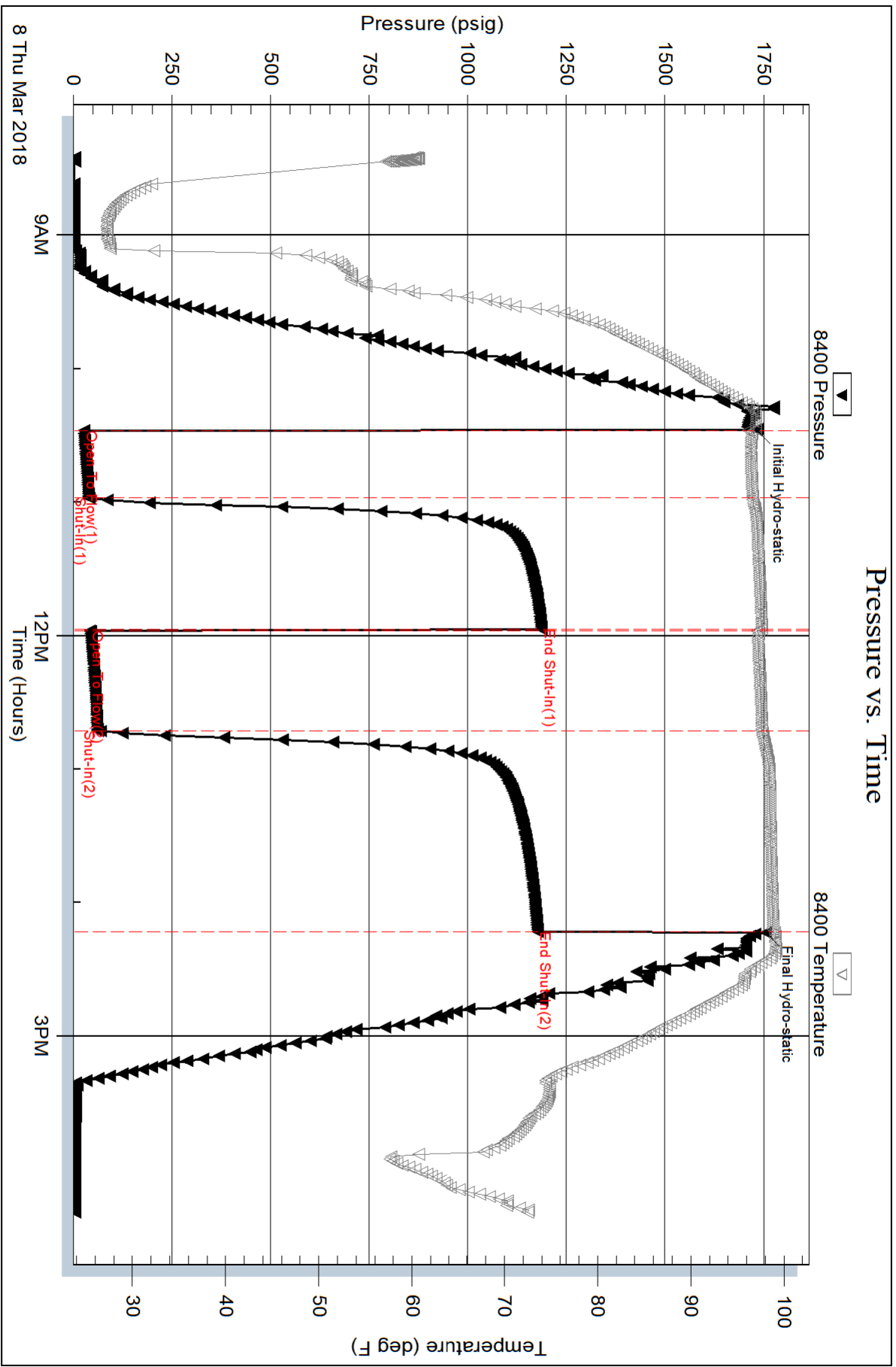
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

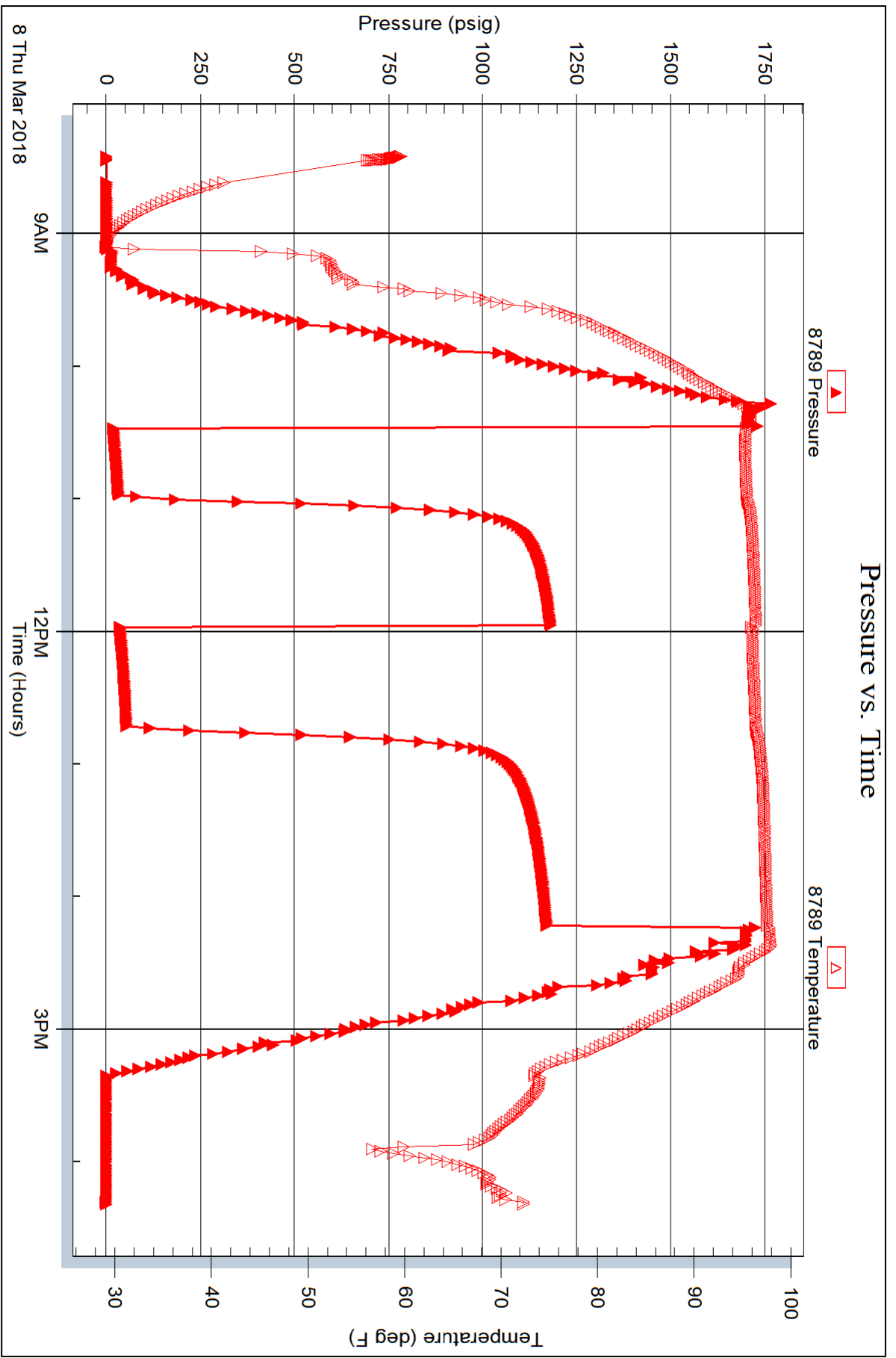


Serial #: 8789

Outside Great Plains Energy Inc

Votapka A 1

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 64514

Printed: 2018.03.08 @ 16:34:36

