

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Great Plains Energy Inc.

32/2s/23w Norton, KS

6121 S 58th St STE B
Lincoln, NE 68516

Lang #1

Job Ticket: 64210

DST#: 1

ATTN: Richard Bell

Test Start: 2018.07.24 @ 07:32:00

GENERAL INFORMATION:

Formation: **Totonto - LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:27:00
 Time Test Ended: 13:46:00
 Interval: **3347.00 ft (KB) To 3403.00 ft (KB) (TVD)**
 Total Depth: 3403.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 2346.00 ft (KB)
 2339.00 ft (CF)
 KB to GR/CF: 7.00 ft

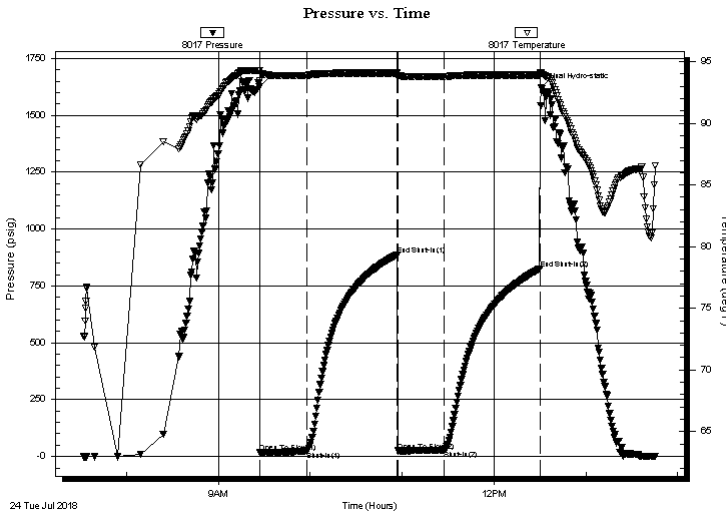
Serial #: 8017

Outside

Press @ Run Depth: 27.88 psig @ 3348.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.07.24 End Date: 2018.07.24 Last Calib.: 2018.07.24
 Start Time: 07:32:05 End Time: 13:45:59 Time On Btm: 2018.07.24 @ 09:26:45
 Time Off Btm: 2018.07.24 @ 12:31:00

TEST COMMENT: 30 - IF: Surface blow through open
 60 - IS: No blow back
 30 - FF: No blow
 60 - FS: No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1627.07	94.30	Initial Hydro-static
1	17.45	93.47	Open To Flow (1)
31	22.18	93.89	Shut-In(1)
90	887.23	94.06	End Shut-In(1)
91	24.51	93.71	Open To Flow (2)
121	27.88	93.78	Shut-In(2)
184	825.68	93.91	End Shut-In(2)
185	1621.63	94.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.15

Gas Rates

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

