



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Great Plains Energy, Inc
6121 S. 58th St.
Suite B
Lincoln, NE. 68516
ATTN: Mike Madcharo

8-7s-18w-Rooks

Odle #1-8

Job Ticket: 50431

DST#: 2

Test Start: 2013.06.11 @ 13:32:27

GENERAL INFORMATION:

Formation: **A-C**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 15:37:27
 Time Test Ended: 21:42:57
 Interval: **3140.00 ft (KB) To 3200.00 ft (KB) (TVD)**
 Total Depth: 3200.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 54
 Reference Elevations: 1945.00 ft (KB)
 1937.00 ft (CF)
 KB to GR/CF: 8.00 ft

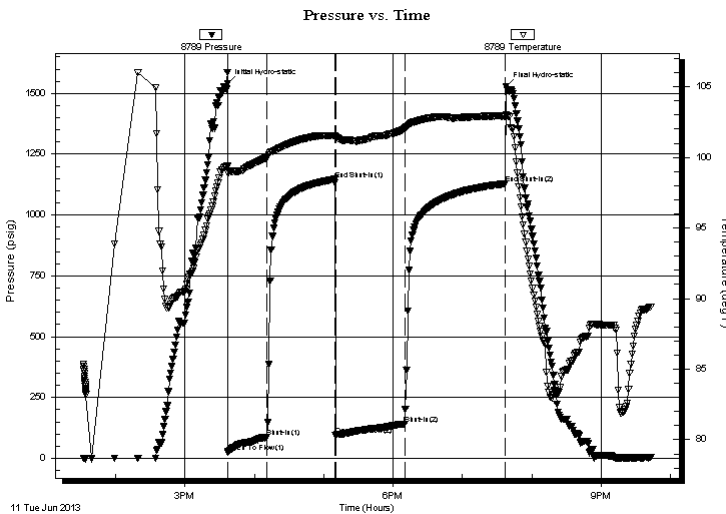
Serial #: 8789

Inside

Press @ Run Depth: 141.36 psig @ 3177.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.06.11 End Date: 2013.06.11 Last Calib.: 2013.06.11
 Start Time: 13:32:29 End Time: 21:42:57 Time On Btm: 2013.06.11 @ 15:37:12
 Time Off Btm: 2013.06.11 @ 19:37:42

TEST COMMENT: IFP-Fair Blow , BOB in 14 Min.
 ISI-Blow back Built to 1/2"
 FFP-Fair Blow , BOB in 16 Min.
 FSI-Dead

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1540.04	99.41	Initial Hydro-static
1	25.04	98.88	Open To Flow (1)
34	86.46	100.00	Shut-In(1)
93	1147.00	101.54	End Shut-In(1)
93	92.79	101.33	Open To Flow (2)
153	141.36	102.03	Shut-In(2)
240	1127.94	102.90	End Shut-In(2)
241	1526.83	102.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
170.00	HOCM-30%O-70%M	1.29
140.00	Free Oil	1.96
0.00	240' Gas In Pipe	0.00

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Job Ticket: 50431

DST#: 2

Test Start: 2013.06.11 @ 13:32:27

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 55.00 sec/qt
Water Loss: 7.98 in³
Resistivity: ohm.m
Salinity: 2200.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 36 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
170.00	HOCM-30%O-70%M	1.292
140.00	Free Oil	1.964
0.00	240' Gas In Pipe	0.000

Total Length: 310.00 ft Total Volume: 3.256 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

