



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Sunflower Energy
 10801 Mastin Ste 920
 Overland, Ks 66210
 ATTN: Wes Hansen

19-27-29 Gray, Ks
RPM Farms 1-19
 Job Ticket: 54968 **DST#: 2**
 Test Start: 2013.11.10 @ 05:41:40

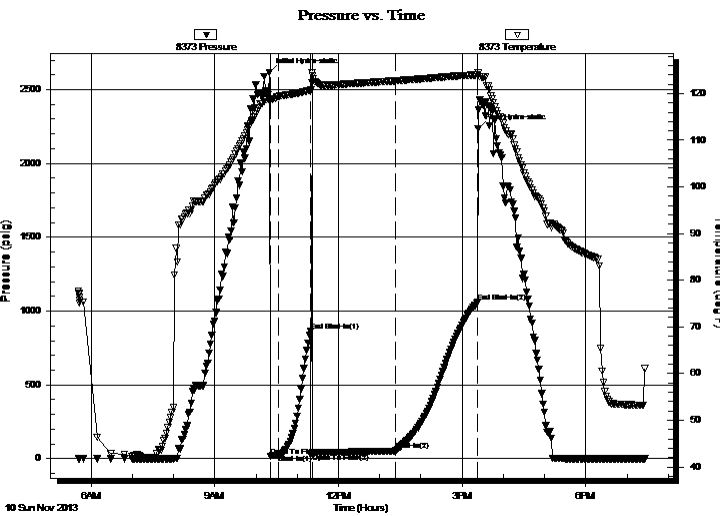
GENERAL INFORMATION:

Formation: **St. Louis A**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:21:10
 Time Test Ended: 19:27:10
 Interval: **5102.00 ft (KB) To 5123.00 ft (KB) (TVD)**
 Total Depth: 5123.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Tim Phillips
 Unit No: 60
 Reference Elevations: 2778.00 ft (KB)
 2768.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8373

Press @ Run Depth: 54.82 psig @ ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.10 End Date: 2013.11.10 Last Calib.: 2013.11.10
 Start Time: 05:41:45 End Time: 19:27:10 Time On Btm: 2013.11.10 @ 10:19:40
 Time Off Btm: 2013.11.10 @ 15:23:10

TEST COMMENT: IFP-15- Blow died in 3 min
 ISI-45-No blow back
 FF-Flushed tool, built to 6.5 in
 FSI-Built to 2in in 13 min, died back in 1 hr



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2616.63	118.83	Initial Hydro-static
2	18.43	118.53	Open To Flow (1)
13	27.56	119.37	Shut-In(1)
60	861.92	120.63	End Shut-In(1)
63	40.15	123.76	Open To Flow (2)
183	54.82	122.73	Shut-In(2)
303	1060.74	124.00	End Shut-In(2)
304	2236.72	124.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SSOCM	0.30
0.00	GIP 220 ft	0.00

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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DST#: 2

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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: 66.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	SSOCM	0.305
0.00	GIP 220 ft	0.000

Total Length: 62.00 ft Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

