



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pioneer Resources
 80 Windmill Drive
 Phillipsburg, KS. 67661
 ATTN: Cliff Ottaway

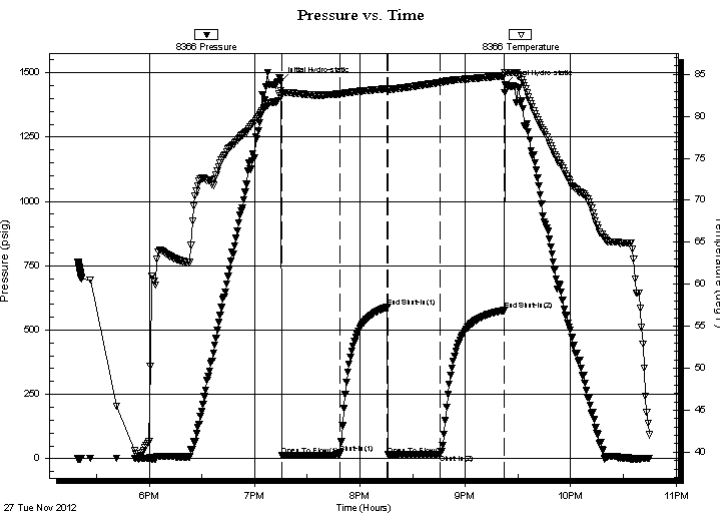
3-5s-18w-Phillips
Foundation #2
 Job Ticket: 48740 **DST#: 3**
 Test Start: 2012.11.27 @ 17:19:21

GENERAL INFORMATION:

Formation: **E-F**
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 19:15:21
 Time Test Ended: 22:44:51
Interval: 3118.00 ft (KB) To 3145.00 ft (KB) (TVD)
 Total Depth: 3145.00 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: 1881.00 ft (KB)
 1873.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8366 Inside
 Press @ Run Depth: 17.06 psig @ 3122.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.11.27 End Date: 2012.11.27 Last Calib.: 2012.11.27
 Start Time: 17:19:23 End Time: 22:44:51 Time On Btm: 2012.11.27 @ 19:15:06
 Time Off Btm: 2012.11.27 @ 21:22:51

TEST COMMENT: IFP-Weak Blow , Built to 1/2"
 ISI-Dead
 FFP-Dead
 FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1467.91	83.09	Initial Hydro-static
1	11.95	82.48	Open To Flow (1)
34	19.15	82.67	Shut-In(1)
61	589.24	83.30	End Shut-In(1)
61	15.10	82.98	Open To Flow (2)
91	17.06	84.03	Shut-In(2)
127	576.83	84.83	End Shut-In(2)
128	1455.69	85.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud W/Oil Specks	0.02

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

Pioneer Resources

3-5s-18w-Phillips

80 Windmill Drive
Phillipsburg, KS. 67661

Foundation #2

Job Ticket: 48740

DST#: 3

ATTN: Cliff Ottaway

Test Start: 2012.11.27 @ 17:19:21

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: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud W/Oil Specks	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

