



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pioneer Resources

25-14s-16w Ellis

80 Windmill Dr
Phillipsburg Ks 67661

Baumrucker #5

ATTN: Roger Wells/ Charlie

Job Ticket: 54819

DST#: 5

Test Start: 2013.09.28 @ 01:30:34

GENERAL INFORMATION:

Formation: **Pleasiton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:49:59

Time Test Ended: 08:15:13

Interval: 3300.00 ft (KB) To 3330.00 ft (KB) (TVD)

Total Depth: 3330.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Ray Schwager

Unit No: 70

Reference Elevations: 1851.00 ft (KB)

1846.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8369

Inside

Press @ Run Depth: 34.72 psig @ 3302.00 ft (KB)

Start Date: 2013.09.28

End Date:

2013.09.28

Start Time: 01:30:34

End Time:

07:59:13

Capacity: 8000.00 psig

Last Calib.: 2013.09.28

Time On Btm: 2013.09.28 @ 03:48:14

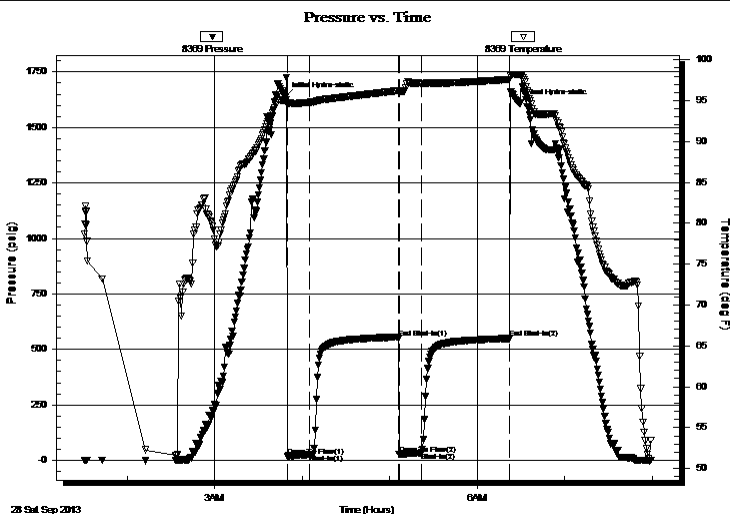
Time Off Btm: 2013.09.28 @ 06:28:58

TEST COMMENT: 15-surface bl, died in 12min

60-ISIP-no bl

15-FFP-no bl

60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1637.10	95.04	Initial Hydro-static
2	20.09	94.50	Open To Flow (1)
17	27.08	94.80	Shut-In(1)
78	549.73	96.22	End Shut-In(1)
78	27.74	96.08	Open To Flow (2)
94	34.72	97.09	Shut-In(2)
154	549.63	97.60	End Shut-In(2)
161	1609.33	98.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Oil spotted mud	0.14

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Test Start: 2013.09.28 @ 01:30:34

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: 9.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Oil spotted mud	0.142

Total Length: 20.00 ft Total Volume: 0.142 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

