



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Jasper Co.
 PO Box 1120
 Hays Ks. 67601
 ATTN: Jeff Lawler

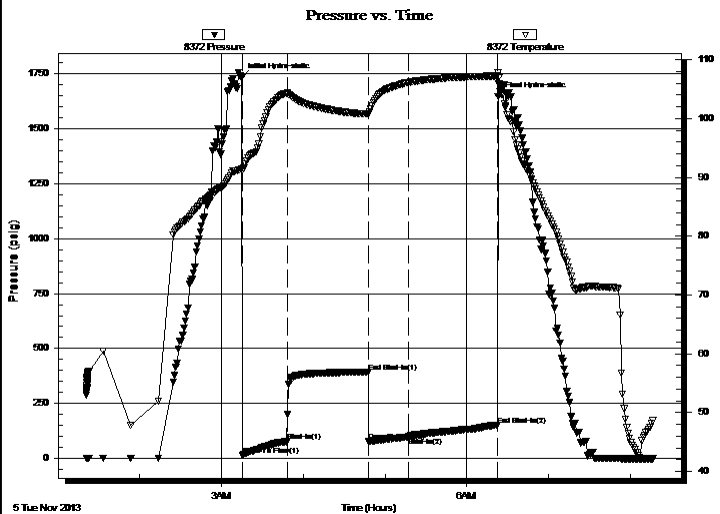
5-7s-20w Rooks
Fischli #1
 Job Ticket: 54335 **DST#: 3**
 Test Start: 2013.11.05 @ 01:21:01

GENERAL INFORMATION:

Formation: **LKC"EF"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:15:30
 Time Test Ended: 08:16:30
 Interval: **3501.00 ft (KB) To 3525.00 ft (KB) (TVD)**
 Total Depth: 3525.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 68
 Reference Elevations: 2213.00 ft (KB)
 2208.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8372 Inside
 Press @ Run Depth: 98.46 psig @ 3502.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.05 End Date: 2013.11.05 Last Calib.: 2013.11.05
 Start Time: 01:21:01 End Time: 08:16:30 Time On Btm: 2013.11.05 @ 03:15:00
 Time Off Btm: 2013.11.05 @ 06:23:00

TEST COMMENT: IF:(30min) 2" blow in 5 min. 4" in 14 min. Built to 7"
 ISl:(60min) No Return
 FF:(30min) 2" blow in 14 min. Built to 4"
 FSl:(60min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.80	91.46	Initial Hydro-static
1	15.80	91.07	Open To Flow (1)
33	78.98	104.23	Shut-In(1)
93	393.45	100.79	End Shut-In(1)
93	77.41	100.66	Open To Flow (2)
123	98.46	106.14	Shut-In(2)
188	151.19	107.24	End Shut-In(2)
188	1644.70	107.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
260.00	MW	2.54

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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Fischli #1

Job Ticket: 54335

DST#: 3

ATTN: Jeff Lawler

Test Start: 2013.11.05 @ 01:21:01

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:

78000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
260.00	MW	2.543

Total Length: 260.00 ft Total Volume: 2.543 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Resistivity- .178 @ 41 deg = 78000

