



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: 54333 **DST#: 1**
 Test Start: 2013.11.03 @ 23:15:01

GENERAL INFORMATION:

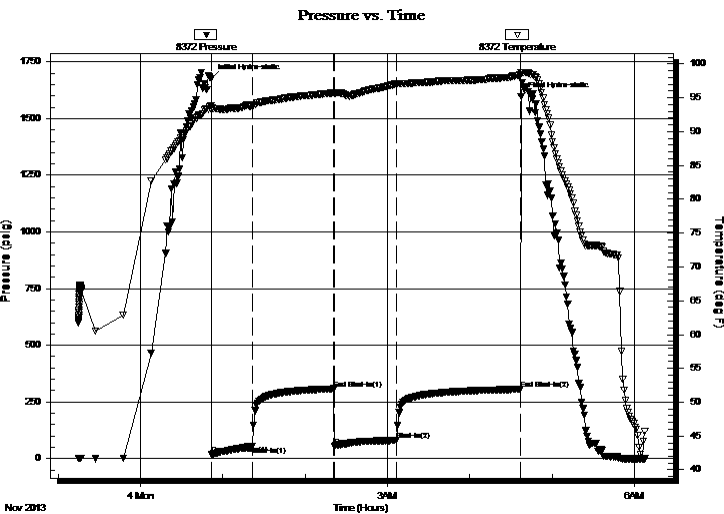
Formation: **Tor-LKC"A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:52:00
 Time Test Ended: 06:07:30
 Interval: **3398.00 ft (KB) To 3452.00 ft (KB) (TVD)**
 Total Depth: 3452.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 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@RunDepth: 80.87 psig @ 3405.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.11.03 End Date: 2013.11.04 Last Calib.: 2013.11.04
 Start Time: 23:15:01 End Time: 06:07:30 Time On Btm: 2013.11.04 @ 00:51:30
 Time Off Btm: 2013.11.04 @ 04:37:30

TEST COMMENT: IF:(30min) 1" blow in 5 min. 2" in 13 min. Built to 13 min.
 ISl:(60min) No Return
 FF:(45min) Surface blow in 7 min. 1" in 28 min. Built to 1.75"
 FSl:(90min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.34	93.81	Initial Hydro-static
1	17.34	93.22	Open To Flow (1)
30	53.46	93.80	Shut-In(1)
90	307.81	95.73	End Shut-In(1)
90	54.76	95.59	Open To Flow (2)
135	80.87	97.03	Shut-In(2)
226	305.77	98.36	End Shut-In(2)
226	1596.70	98.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
140.00	Mud w / oil spks in tool	0.86

Gas Rates

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



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FLUID SUMMARY

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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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	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
140.00	Mud w / oil spks in tool	0.859

Total Length: 140.00 ft Total Volume: 0.859 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

