



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Norstar Petroleum Inc
88 -Inverness Cir E. Unit F104
Englewood CO 80112
ATTN: Brad Rine

Phillips- Denny #1-4
04-22-23 Hodgeman Co
Job Ticket: 43671 **DST#: 2**
Test Start: 2011.08.29 @ 06:02:02

GENERAL INFORMATION:

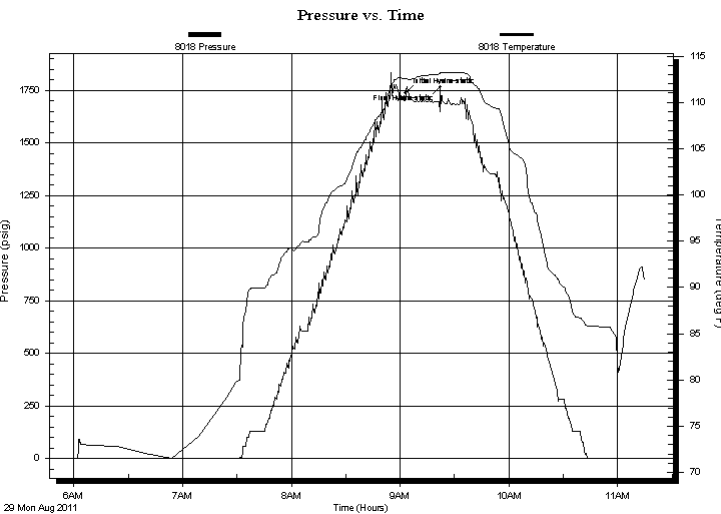
Formation: **Cherokee**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle
Time Tool Opened: Tester: Will MacLean
Time Test Ended: 11:14:50 Unit No: 37
Interval: 4503.00 ft (KB) To 4573.00 ft (KB) (TVD) Reference Elevations: 2307.00 ft (KB)
Total Depth: 4700.00 ft (KB) (TVD) 2302.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: psig @ 4513.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.08.29 End Date: 2011.08.29 Last Calib.: 2011.08.29
Start Time: 06:02:02 End Time: 11:14:49 Time On Btm: 2011.08.29 @ 09:03:10
Time Off Btm: 2011.08.29 @ 09:22:00

TEST COMMENT: Mis-run Couldn't Get to Bottom



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1736.23	112.54	Initial Hydro-static
19	1766.09	113.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



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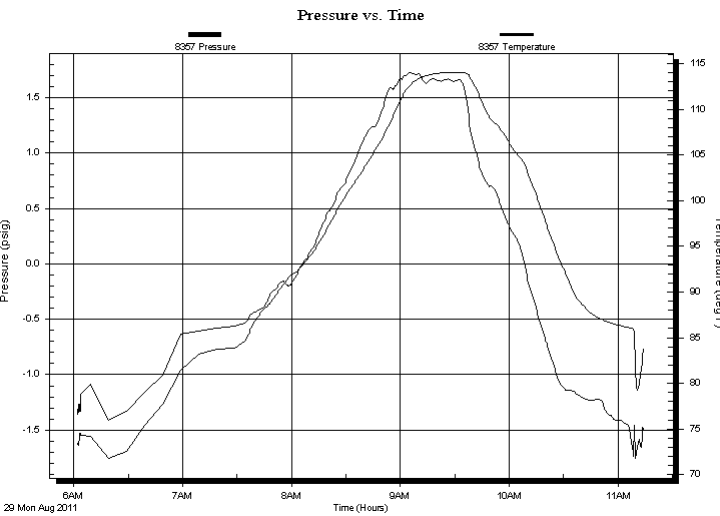
Phillips- Denny #1-4
04-22-23 Hodgeman Co
 Job Ticket: 43671 **DST#: 2**
 Test Start: 2011.08.29 @ 06:02:02

GENERAL INFORMATION:

Formation: Cherokee	Test Type: Conventional Straddle
Deviated: No Whipstock: ft (KB)	Tester: Will MacLean
Time Tool Opened:	Unit No: 37
Time Test Ended: 11:14:50	
Interval: 4503.00 ft (KB) To 4573.00 ft (KB) (TVD)	Reference Elevations: 2307.00 ft (KB)
Total Depth: 4700.00 ft (KB) (TVD)	2302.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good	KB to GR/CF: 5.00 ft

Serial #: 8357	Below (Straddle)	Capacity: 8000.00 psig
Press@RunDepth: psig @ 4576.00 ft (KB)		Last Calib.: 2011.08.29
Start Date: 2011.08.29	End Date: 2011.08.29	Time On Btm:
Start Time: 06:02:05	End Time: 11:14:59	Time Off Btm:

TEST COMMENT: Mis-run Couldn't Get to Bottom



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)

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



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FLUID SUMMARY

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88 -Inverness Cir E. Unit F104
Englewood CO 80112
ATTN: Brad Rine

Phillips- Denny #1-4
04-22-23 Hodgeman Co
Job Ticket: 43671 **DST#: 2**
Test Start: 2011.08.29 @ 06:02:02

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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 15.91 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7400.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

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

