



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Norstar Petroleum Inc  
6855 S Havana St Ste 250  
Centennial, Colo  
80112  
ATTN: Brad Rein

**Curtis #1-24**  
**24-10-35 Thomas, Ks**  
Job Ticket: 43304 **DST#: 4**  
Test Start: 2011.04.26 @ 04:31:13

## GENERAL INFORMATION:

Formation: **H-I-J**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 06:26:58  
 Time Test Ended: 10:15:58  
 Interval: **4295.00 ft (KB) To 4380.00 ft (KB) (TVD)**  
 Total Depth: 4380.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Shane McBride  
 Unit No: 55  
 Reference Elevations: 3247.00 ft (KB)  
 3242.00 ft (CF)  
 KB to GR/CF: 5.00 ft

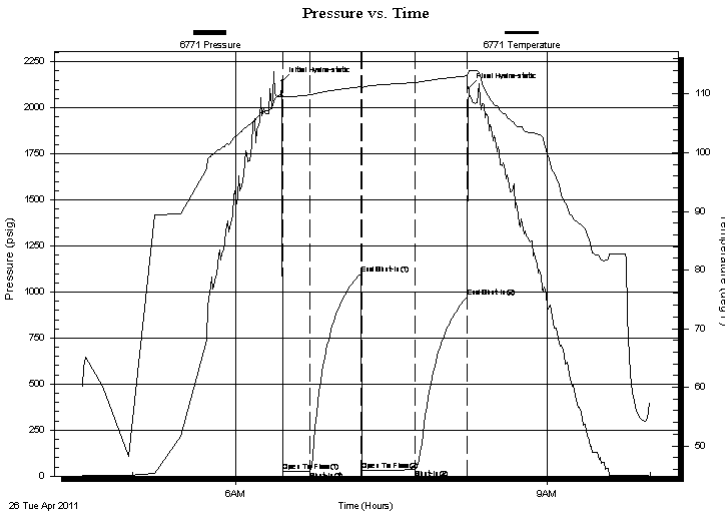
## Serial #: 6771

**Outside**

Press @ Run Depth: 34.65 psig @ 4296.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.04.26 End Date: 2011.04.26 Last Calib.: 2011.04.26  
 Start Time: 04:31:13 End Time: 09:59:58 Time On Btm: 2011.04.26 @ 06:26:43  
 Time Off Btm: 2011.04.26 @ 08:14:43

**TEST COMMENT:** 1/4" in blow died back to a weak surface blow  
 No return  
 No blow  
 No return

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2143.09	110.08	Initial Hydro-static
1	23.47	109.48	Open To Flow (1)
17	27.22	109.89	Shut-In(1)
46	1099.92	111.27	End Shut-In(1)
47	30.01	111.10	Open To Flow (2)
77	34.65	112.00	Shut-In(2)
108	975.48	113.11	End Shut-In(2)
108	2108.00	113.80	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud 100% m w/oil spots	0.05

## Gas Rates

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



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## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100% m w /oil spots	0.049

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

