



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Norstar Petroleum Inc.
88 Inverness CIR E
Unit F104
Englewood Co 80112
ATTN: Bob Elder

34-9S-35W Thomas KS

Solo-hoff #1-34

Job Ticket: 56892

DST#: 2

Test Start: 2014.05.15 @ 17:50:00

GENERAL INFORMATION:

Formation: **Johnson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:27:00

Time Test Ended: 01:15:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Nichols

Unit No: 58

Interval: 4761.00 ft (KB) To 4810.00 ft (KB) (TVD)

Total Depth: 4810.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 3344.00 ft (KB)

3339.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press @ Run Depth: 20.16 psig @ 4762.00 ft (KB)

Start Date: 2014.05.15

End Date: 2014.05.16

Start Time: 17:50:01

End Time: 01:15:30

Capacity: 8000.00 psig

Last Calib.: 2014.05.16

Time On Btm: 2014.05.15 @ 20:26:40

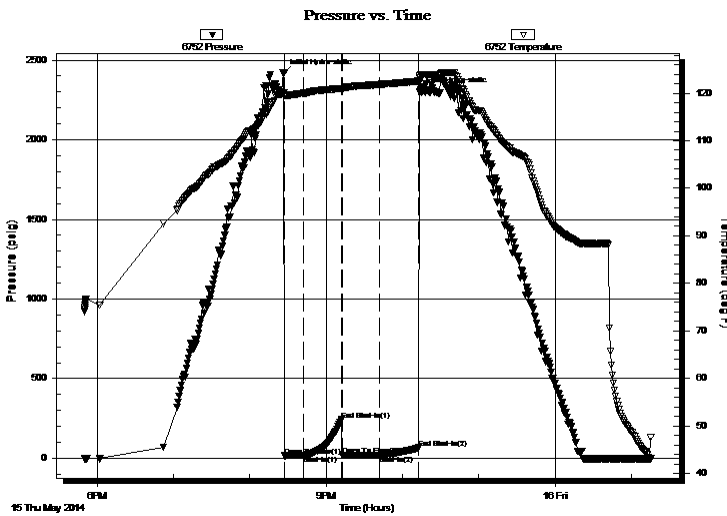
Time Off Btm: 2014.05.15 @ 22:13:10

TEST COMMENT: 15 IF - Surface blow died back to weak surface blow

30 ISI - No return

30 FF - No blow

30 ISI - No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2414.11	120.06	Initial Hydro-static
1	15.81	119.41	Open To Flow (1)
16	18.57	119.96	Shut-In(1)
46	242.18	121.00	End Shut-In(1)
46	18.91	120.94	Open To Flow (2)
76	20.16	121.84	Shut-In(2)
107	66.23	122.54	End Shut-In(2)
107	2300.46	123.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/oil spots 100%M	0.02

Gas Rates

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

* Recovery from multiple tests



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 59.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 7000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w /oil spots 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

