



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

32 10s 34w Thomas, Ks

T Schertz 1-32

Job Ticket: 44495

DST#: 3

Test Start: 2011.10.20 @ 19:32:00

GENERAL INFORMATION:

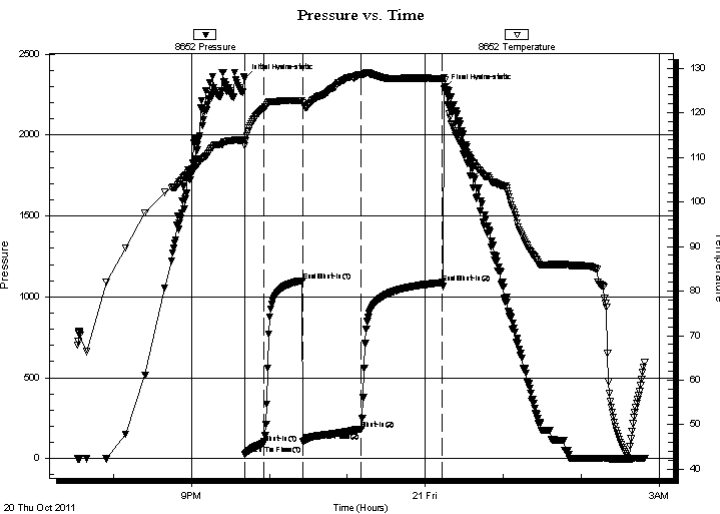
Formation: **Johnson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:41:00
 Time Test Ended: 02:49:15
 Interval: **4714.00 ft (KB) To 4770.00 ft (KB) (TVD)**
 Total Depth: 4470.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 40
 Reference Elevations: 3283.00 ft (KB)
 3278.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8652

Inside

Press @ Run Depth: 181.95 psig @ 4715.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.20 End Date: 2011.10.21 Last Calib.: 2011.10.21
 Start Time: 19:32:05 End Time: 02:49:14 Time On Btm: 2011.10.20 @ 21:40:45
 Time Off Btm: 2011.10.21 @ 00:14:30

TEST COMMENT: IF: 1" blow.
 IS: No return
 FF: 3" Blow.
 FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2347.34	114.03	Initial Hydro-static
1	27.36	112.63	Open To Flow (1)
15	95.72	120.98	Shut-In(1)
45	1100.85	122.67	End Shut-In(1)
45	106.65	122.15	Open To Flow (2)
90	181.95	128.55	Shut-In(2)
153	1088.56	127.72	End Shut-In(2)
154	2285.32	127.94	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	gmco 30g 45o 25m	1.18
120.00	gmco 20g 40o 40m	1.11

* Recovery from multiple tests

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:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

12 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
240.00	gmco 30g 45o 25m	1.180
120.00	gmco 20g 40o 40m	1.109

Total Length: 360.00 ft

Total Volume: 2.289 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8652

Inside

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T Schertz 1-32

DST Test Number: 3

