



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

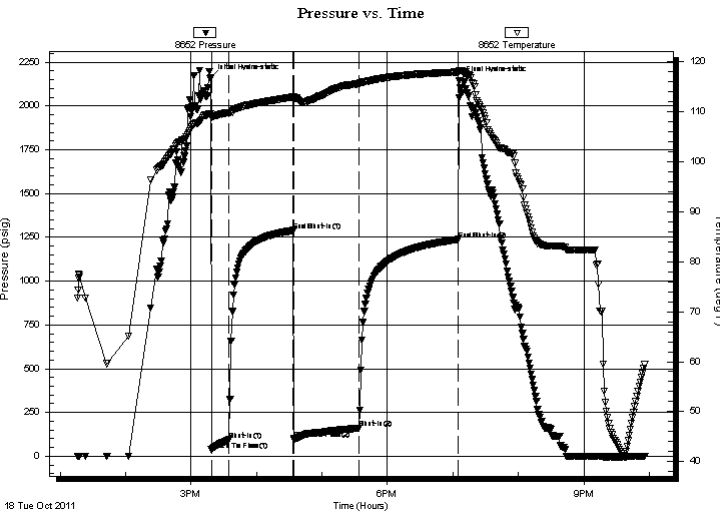
32 10s 34w Thomas, Ks
T Schertz 1-32
 Job Ticket: 44493 **DST#: 1**
 Test Start: 2011.10.18 @ 13:16:00

GENERAL INFORMATION:

Formation: **LKC H,I,J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 15:18:30 Tester: Bradley Walter
 Time Test Ended: 21:56:00 Unit No: 40
 Interval: **4328.00 ft (KB) To 4417.00 ft (KB) (TVD)** Reference Elevations: 3283.00 ft (KB)
 Total Depth: 4417.00 ft (KB) (TVD) 3278.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 5.00 ft

Serial #: 8652 Inside
 Press @ Run Depth: 161.49 psig @ 4329.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.18 End Date: 2011.10.18 Last Calib.: 2011.10.18
 Start Time: 13:16:05 End Time: 21:56:00 Time On Btm: 2011.10.18 @ 15:18:15
 Time Off Btm: 2011.10.18 @ 19:06:00

TEST COMMENT: IF: 5" blow.
 IS: No return blow.
 FF: BOB@ 59 minutes.
 FS: Surface blow, Died @ 35 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2159.50	109.60	Initial Hydro-static
1	36.20	108.85	Open To Flow (1)
17	93.67	109.73	Shut-In(1)
76	1289.24	112.92	End Shut-In(1)
76	98.31	112.48	Open To Flow (2)
136	161.49	115.59	Shut-In(2)
227	1237.81	117.90	End Shut-In(2)
228	2145.19	118.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	ocm 10o 90m	0.61
65.00	ocm 40o 60m	0.32
130.00	mco 50m 50o	1.35
20.00	oil 100o	0.28

Gas Rates

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



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FLUID SUMMARY

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Job Ticket: 44493

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Test Start: 2011.10.18 @ 13:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

25 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
125.00	ocm 10o 90m	0.615
65.00	ocm 40o 60m	0.320
130.00	mco 50m 50o	1.350
20.00	oil 100o	0.281

Total Length: 340.00 ft

Total Volume: 2.566 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8652

Inside

Norstar Petroleum, Inc.

T Schertz 1-32

DST Test Number: 1

Pressure vs. Time

