



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Norstar Petroleum, Inc.
88 Inverness Cir E. Unit 104
Englewood, CO 80112
ATTN: Brad Rine

36 10e 35s Thomas Ks
WJLH Koons #2-36
Job Ticket: 45610 **DST#: 4**
Test Start: 2012.03.01 @ 12:15:00

GENERAL INFORMATION:

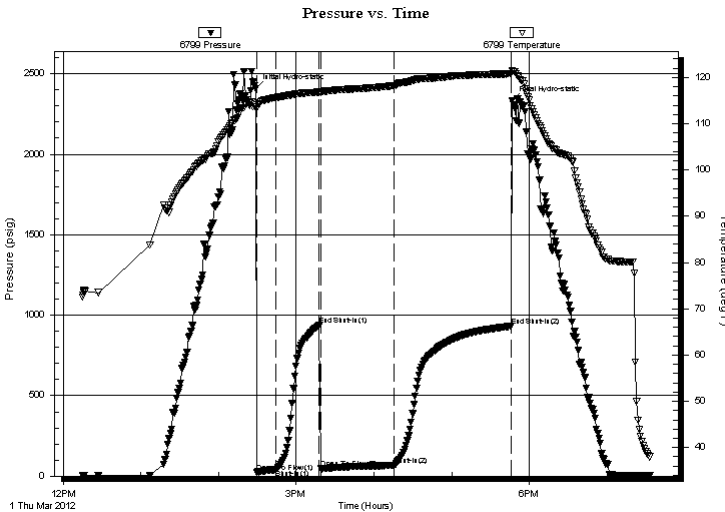
Formation: **Johnson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:29:45
Time Test Ended: 19:33:30
Interval: **4704.00 ft (KB) To 4780.00 ft (KB) (TVD)**
Total Depth: 4780.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 43
Reference Elevations: 3294.00 ft (KB)
3289.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6799 Inside

Press @ Run Depth: 66.51 psig @ 4705.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.03.01 End Date: 2012.03.01 Last Calib.: 2012.03.01
Start Time: 12:15:05 End Time: 19:33:29 Time On Btm: 2012.03.01 @ 14:29:00
Time Off Btm: 2012.03.01 @ 17:46:45

TEST COMMENT: IF- 1/4" Blow built to 1/2"
IS- No Return
FF- Surface blow built to 1 1/4"
FS- No Return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2406.50	113.62	Initial Hydro-static
1	24.83	113.58	Open To Flow (1)
16	42.81	115.71	Shut-In(1)
49	936.53	116.85	End Shut-In(1)
50	46.42	116.71	Open To Flow (2)
107	66.51	118.22	Shut-In(2)
197	931.22	120.79	End Shut-In(2)
198	2334.43	121.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM 60M 40o	0.59

Gas Rates

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



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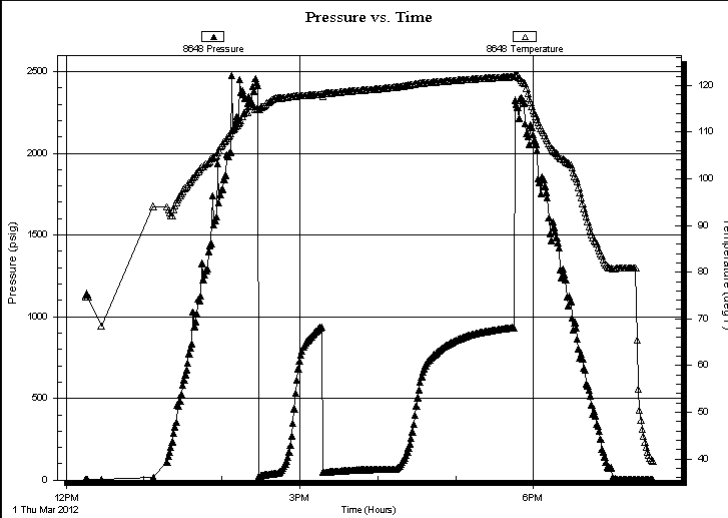
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WJLH Koons #2-36
Job Ticket: 45610 **DST#: 4**
Test Start: 2012.03.01 @ 12:15:00

GENERAL INFORMATION:

Formation: Johnson		Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)		Tester: Kevin Mack
Time Tool Opened: 14:29:45		Unit No: 43
Time Test Ended: 19:33:30		
Interval: 4704.00 ft (KB) To 4780.00 ft (KB) (TVD)	Reference Elevations:	3294.00 ft (KB)
Total Depth: 4780.00 ft (KB) (TVD)		3289.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Good	KB to GR/CF: 5.00 ft

Serial #: 8648 Inside			
Press @ Run Depth: psig @ 4705.00 ft (KB)	Capacity:	8000.00 psig	
Start Date: 2012.03.01 End Date: 2012.03.01	Last Calib.:	2012.03.01	
Start Time: 12:15:05 End Time: 19:31:59	Time On Btm:		
	Time Off Btm:		

TEST COMMENT: IF- 1/4" Blow built to 1/2"
IS- No Return
FF- Surface blow built to 1 1/4"
FS- No Return



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

Recovery		
Length (ft)	Description	Volume (bbl)
120.00	OCM 60M 40o	0.59

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Norstar Petroleum, Inc.

36 10e 35s Thomas Ks

88 Inverness Cir E. Unit 104
Englewood, CO 80112

WJLH Koons #2-36

Job Ticket: 45610

DST#: 4

ATTN: Brad Rine

Test Start: 2012.03.01 @ 12:15:00

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: 68.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OCM 60M 40o	0.590

Total Length: 120.00 ft Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

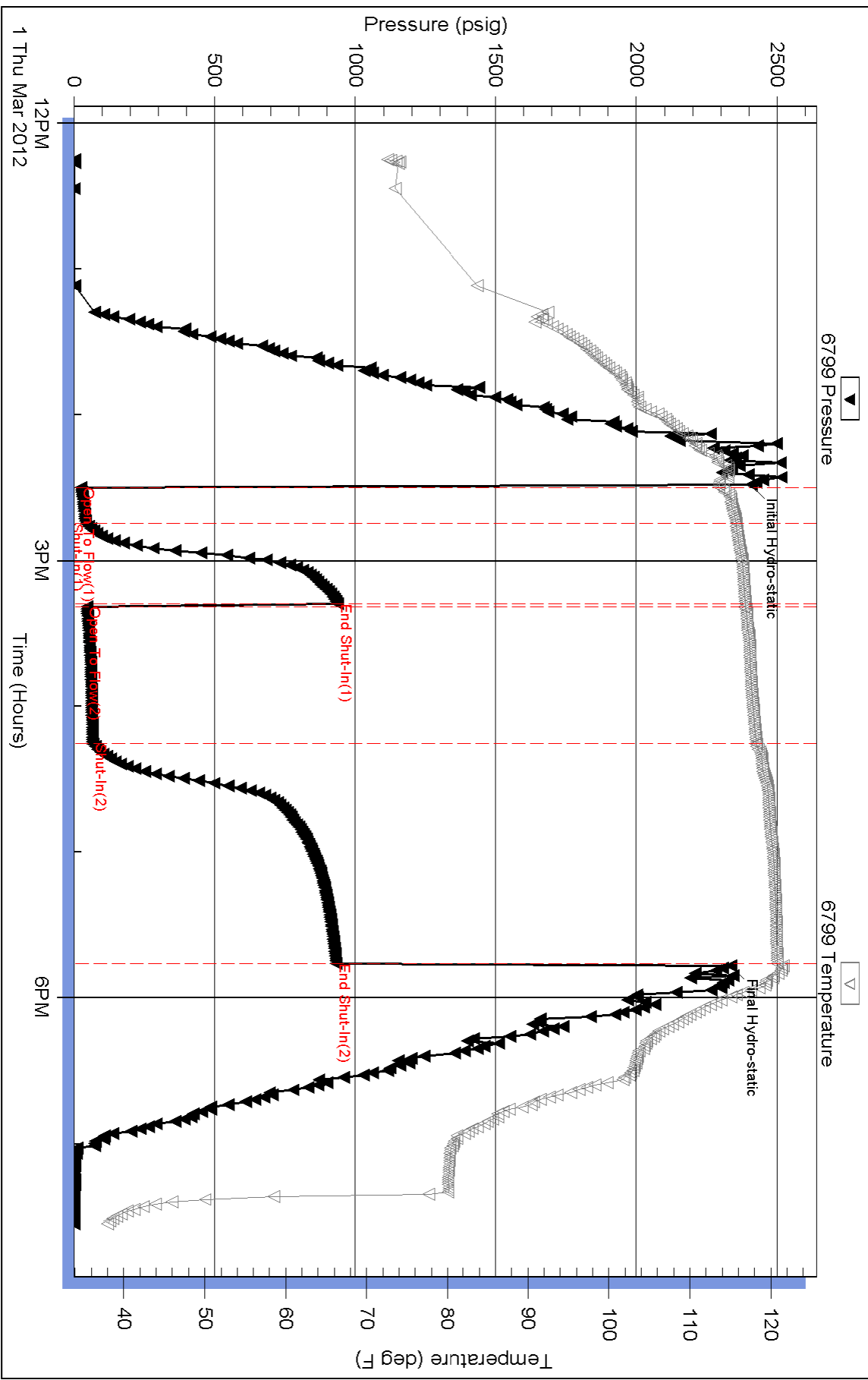
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 8648

Inside

Norstar Petroleum, Inc.

WJLH Koons #2-36

DST Test Number: 4

