



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

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

36/10s/35w Thomas KS
WJLH Koons #1-36
 Job Ticket: 043046 **DST#: 2**
 Test Start: 2011.10.30 @ 09:16:00

GENERAL INFORMATION:

Formation: **LKC "H - J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:10:00
 Time Test Ended: 16:47:30
 Interval: **4321.00 ft (KB) To 4396.00 ft (KB) (TVD)**
 Total Depth: 4396.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 57
 Reference Elevations: 3294.00 ft (KB)
 3289.00 ft (CF)
 KB to GR/CF: 5.00 ft

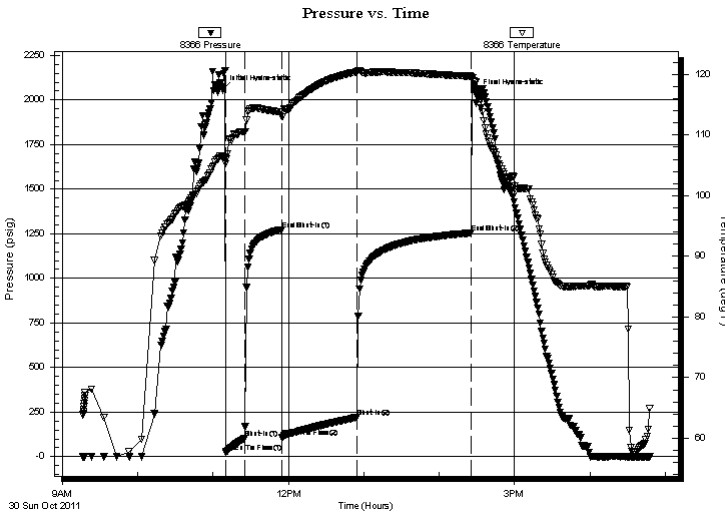
Serial #: 8366

Inside

Press @ Run Depth: 221.17 psig @ 4322.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.10.30 End Date: 2011.10.30 Last Calib.: 2011.10.30
 Start Time: 09:16:05 End Time: 16:47:29 Time On Btm: 2011.10.30 @ 11:07:30
 Time Off Btm: 2011.10.30 @ 14:29:00

TEST COMMENT: 15 - IF: Blow built to 9 1/2"
 30 - IS: Blow back built to 1"
 60 - FF: Blow built to BOB (11") in 18 1/2 min.
 90 - FS: Blow back built to 3 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2056.77	106.47	Initial Hydro-static
3	22.77	105.29	Open To Flow (1)
18	102.41	110.54	Shut-In(1)
47	1273.77	113.77	End Shut-In(1)
48	108.01	113.03	Open To Flow (2)
107	221.17	120.41	Shut-In(2)
198	1254.78	119.67	End Shut-In(2)
202	2035.10	118.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
170.00	MCW w/trace oil 77%w , 23%m	0.84
155.00	GOWCM 48%m, 19%g, 17%w , 16%o	1.51
155.00	CGO 78%o, 18%g, 4%m	2.17
0.00	GIP = 200'	0.00

* Recovery from multiple tests

Gas Rates

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



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FLUID SUMMARY

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WJLH Koons #1-36

Job Ticket: 043046

DST#: 2

ATTN: Bob Elder

Test Start: 2011.10.30 @ 09:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28.6 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

49000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
170.00	MCW w/trace oil 77%w , 23%m	0.836
155.00	GOWCM 48%m, 19%g, 17%w , 16%o	1.509
155.00	CGO 78%o, 18%g, 4%m	2.174
0.00	GIP = 200'	0.000

Total Length: 480.00 ft Total Volume: 4.519 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 29.2 api @ 66 deg F Corrected Gravity = 28.6 api
RW = .156 ohms @ 71.5 deg F Chlorides = 49,000 ppm

