



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Palomino Petroleum

14-19-22 Ness, ks

4924 E. SE 84th St.
New ton, Ks 67114

Betty Betz #1

Job Ticket: 48416

DST#: 1

ATTN: Nick Gerstner

Test Start: 2012.09.03 @ 22:19:15

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:30:45

Time Test Ended: 04:56:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Brandon Turley

Unit No: 60

Interval: 4266.00 ft (KB) To 4361.00 ft (KB) (TVD)

Reference Elevations: 2236.00 ft (KB)

Total Depth: 4361.00 ft (KB) (TVD)

2226.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8373 Inside

Press @ Run Depth: 516.42 psig @ 4267.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.09.03

End Date:

2012.09.04

Last Calib.: 2012.09.04

Start Time: 22:19:20

End Time:

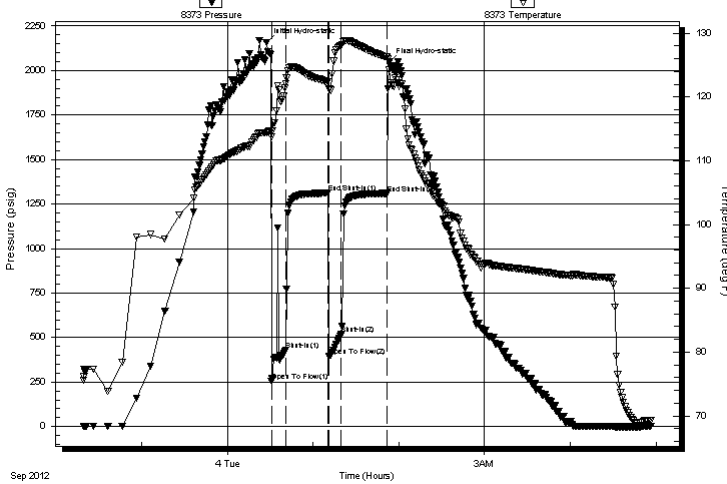
04:56:14

Time On Btm: 2012.09.04 @ 00:27:15

Time Off Btm: 2012.09.04 @ 01:53:15

TEST COMMENT: IF: BOB in 2 min.
IS: BOB in 15 min.
FF: BOB in 2 min.
FS: Surface blow built to 7.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2156.44	114.39	Initial Hydro-static
4	256.37	113.74	Open To Flow (1)
14	429.45	122.05	Shut-In(1)
43	1311.94	122.40	End Shut-In(1)
44	395.56	121.21	Open To Flow (2)
53	516.42	128.10	Shut-In(2)
85	1309.80	126.26	End Shut-In(2)
86	2046.60	124.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
620.00	mcgo 10%g 80%o 10%m	8.70
248.00	mcgo 20%g 40%o 40%m	3.48
186.00	mcgo 20%g 60%o 20%m	2.61
124.00	mcgo 20%g 75%o 5%m	1.74
	434 GIP	

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:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
620.00	mcgo 10%g 80%o 10%m	8.697
248.00	mcgo 20%g 40%o 40%m	3.479
186.00	mcgo 20%g 60%o 20%m	2.609
124.00	mcgo 20%g 75%o 5%m	1.739
	434 GIP	

Total Length: 1178.00 ft Total Volume: 16.524 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 42@70=41

Serial #: 8373

Inside

Palomino Petroleum

Betty Betz #1

DST Test Number: 1

Pressure vs. Time

