



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Sam Gary Jr & Assoc inc

32-15s-15w Russell

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Chris Mitchell

Hopkins-Funk 1-32

Job Ticket: 49360 **DST#: 2**
Test Start: 2012.10.21 @ 01:45:05

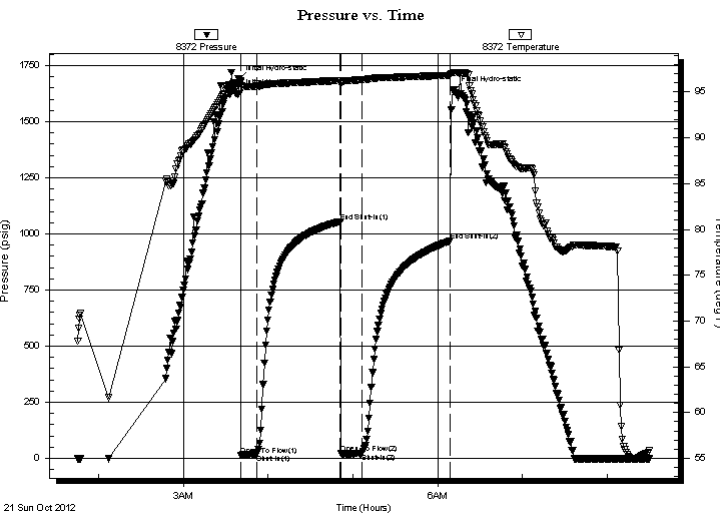
GENERAL INFORMATION:

Formation: **LKC"K-L"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:40:40
 Time Test Ended: 08:30:20
 Interval: **3400.00 ft (KB) To 3435.00 ft (KB) (TVD)**
 Total Depth: 3435.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Andy Carreira
 Unit No: 39
 Reference Elevations: 1940.00 ft (KB)
 1930.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8372 Outside

Press @ RunDepth: 22.33 psig @ 3401.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.21 End Date: 2012.10.21 Last Calib.: 2012.10.21
 Start Time: 01:45:05 End Time: 08:30:20 Time On Btm: 2012.10.21 @ 03:38:40
 Time Off Btm: 2012.10.21 @ 06:11:09

TEST COMMENT: IF:(10min) Weak surface blow
 IS:(60min) No Return
 FF:(15min) No Blow
 FS:(60min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1626.08	95.96	Initial Hydro-static
1	1686.65	96.01	Initial Hydro-static
2	14.30	95.22	Open To Flow (1)
13	19.95	95.63	Shut-In(1)
73	1055.11	96.26	End Shut-In(1)
73	21.34	95.86	Open To Flow (2)
88	22.33	96.34	Shut-In(2)
151	968.44	96.84	End Shut-In(2)
153	1636.93	97.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
7.00	SOSM o=tr m=100%	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr & Assoc inc

32-15s-15w Russell

1515 Wynkoop
STE 700
Denver Co 80202
ATTN: Chris Mitchell

Hopkins-Funk 1-32

Job Ticket: 49360

DST#: 2

Test Start: 2012.10.21 @ 01:45:05

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: 60.00 sec/qt

Cushion Volume:

bbf

Water Loss: 6.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
7.00	SOSM o=tr m=100%	0.098

Total Length: 7.00 ft Total Volume: 0.098 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data- o=tr m=3000ml press=30lbs

