



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: 49359

DST#: 1

Test Start: 2012.10.19 @ 22:52:05

GENERAL INFORMATION:

Formation: **LKC " C-E"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:48:20

Time Test Ended: 06:48:09

Test Type: Conventional Bottom Hole (Initial)

Tester: Andy Carreira

Unit No: 39

Interval: 3220.00 ft (KB) To 3270.00 ft (KB) (TVD)

Reference Elevations: 1940.00 ft (KB)

Total Depth: 3270.00 ft (KB) (TVD)

1930.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8372 Outside

Press @ Run Depth: 44.73 psig @ 3232.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.10.19 End Date: 2012.10.20

Last Calib.: 2012.10.20

Start Time: 22:52:05 End Time: 06:48:10

Time On Btm: 2012.10.20 @ 00:47:10

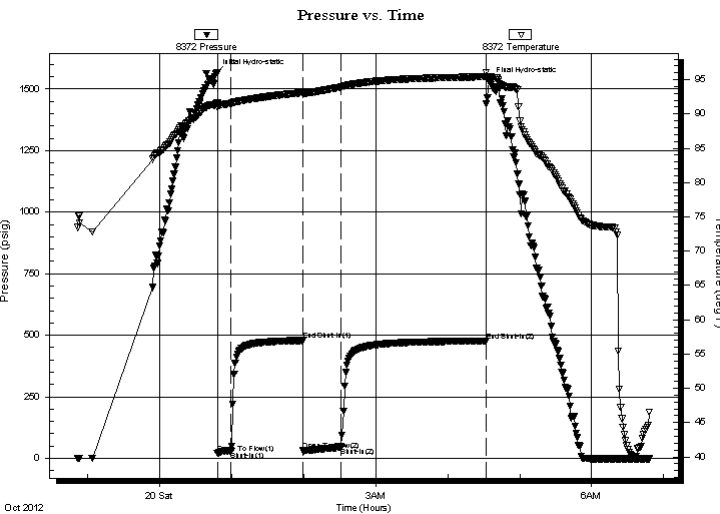
Time Off Btm: 2012.10.20 @ 04:34:29

TEST COMMENT: IF:(10min) 1" Blow in 3 min. 2" in 10 min.

IS:(60min) No Return

FF:(30min) 1.5" Blow

FS:(120min) No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1564.03	91.44	Initial Hydro-static
2	19.48	90.90	Open To Flow (1)
13	28.38	91.54	Shut-In(1)
73	478.45	93.09	End Shut-In(1)
73	31.46	92.89	Open To Flow (2)
104	44.73	93.91	Shut-In(2)
225	477.15	95.43	End Shut-In(2)
228	1531.27	95.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	MW m=20% w=80%	0.28

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:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

58000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	MW m=20% w=80%	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Resistivity- .20 @ 46 = 58000

Sampler Data- m=600ml w=2400ml pressure=155lbs

Pressure vs. Time

