



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates, Inc.

S32-14s-17w Ellis, KS

1515 Wynkoop
Suite 700
Denver, CO 80202
ATTN: Christopher Mitchell

Leiker - Gross 1-32

Job Ticket: 48484 **DST#: 1**

Test Start: 2012.11.05 @ 00:57:00

GENERAL INFORMATION:

Formation: **LKC 'C-D'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:18:30

Time Test Ended: 08:59:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Smith

Unit No: 62

Interval: 3235.00 ft (KB) To 3280.00 ft (KB) (TVD)

Reference Elevations: 1940.00 ft (KB)

Total Depth: 3280.00 ft (KB) (TVD)

1930.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8018 Inside

Press @ Run Depth: 21.62 psig @ 3239.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.11.05 End Date: 2012.11.05

Last Calib.: 2012.11.05

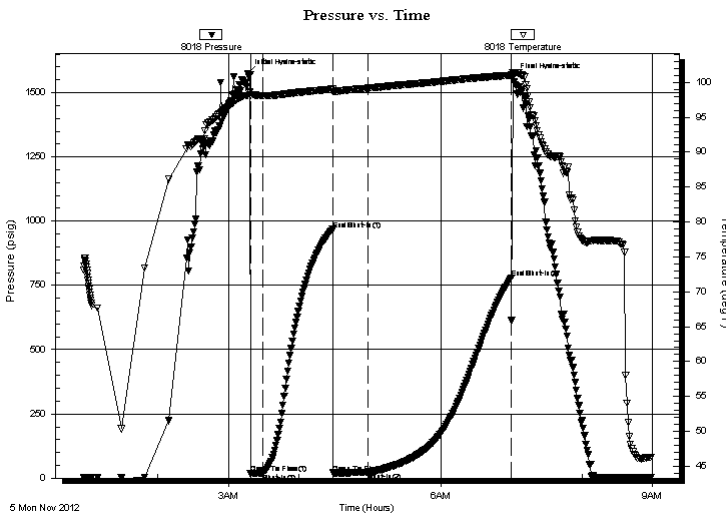
Start Time: 00:57:05 End Time: 08:58:59

Time On Btm: 2012.11.05 @ 03:16:15

Time Off Btm: 2012.11.05 @ 07:01:15

TEST COMMENT: 1/2" Blow .
No return.
No blow .
No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1575.39	98.11	Initial Hydro-static
3	17.26	98.11	Open To Flow (1)
13	19.64	98.09	Shut-In(1)
72	967.91	99.03	End Shut-In(1)
73	20.55	98.65	Open To Flow (2)
103	21.62	99.18	Shut-In(2)
224	779.74	101.03	End Shut-In(2)
225	1557.86	101.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	SOCM 2o 98m	0.06

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:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	SOCM 2o 98m	0.056

Total Length: 4.00 ft Total Volume: 0.056 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler 20 ml oil 1980 ml mud 15 psi total fluid 2000 ml.

Pressure vs. Time

