



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. and Associates, Inc.

Yarmer 1-26

1515 Wynkoop St. Ste 700
Denver, CO 80202

26-16-16 Rush, Ks

ATTN: Neil Sharp

Job Ticket: 43422

DST#: 3

Test Start: 2011.07.15 @ 15:29:01

GENERAL INFORMATION:

Formation: **LKC "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:25:01

Time Test Ended: 22:26:01

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3420.00 ft (KB) To 3463.00 ft (KB) (TVD)

Reference Elevations: 1978.00 ft (KB)

Total Depth: 3463.00 ft (KB) (TVD)

1968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8734 Outside

Press @ RunDepth: 34.88 psig @ 3423.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.15 End Date: 2011.07.15

Last Calib.: 2011.07.15

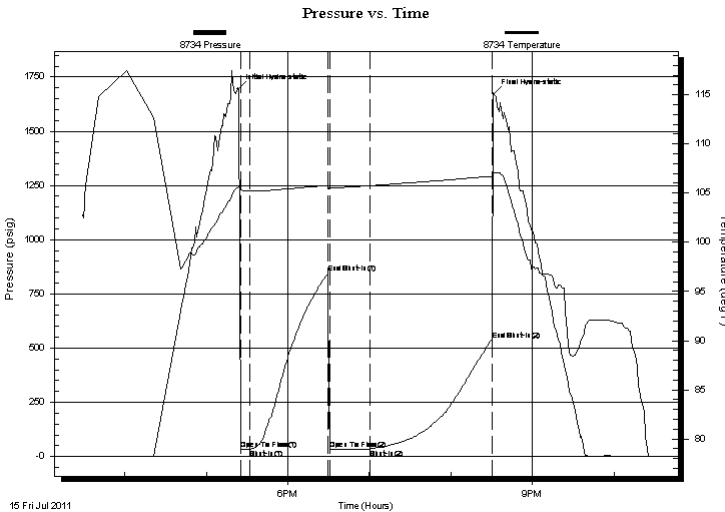
Start Time: 15:29:02 End Time: 22:26:01

Time On Btm: 2011.07.15 @ 17:23:31

Time Off Btm: 2011.07.15 @ 20:31:31

TEST COMMENT: 5 - IFP - weak sur blow - died 3 min
60 - ISI - no blow back
30 - FFP - no blow
90 - FSI - no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1694.84	105.61	Initial Hydro-static
2	32.66	105.30	Open To Flow (1)
9	32.95	105.25	Shut-In(1)
66	844.21	105.78	End Shut-In(1)
67	34.31	105.57	Open To Flow (2)
97	34.88	105.76	Shut-In(2)
187	538.47	106.70	End Shut-In(2)
188	1672.89	107.04	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
1.00	FREE OIL TSTM	0.01
1.00	DRL MUD100%	0.01

	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: 8.37 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	FREE OIL TSTM	0.014
1.00	DRL MUD100%	0.014

Total Length: 2.00 ft Total Volume: 0.028 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2000 ml Oil, 2000 ml Mud, 70 lsb

Pressure vs. Time

