



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Samuel Gary And Associates

Yarmer et al #1-26

1515 Wynkoop Ste #700
Denver, CO 80202

26/16S/16W-Rush

Job Ticket: 42786

DST#: 1

ATTN: Neal Sharp

Test Start: 2011.04.02 @ 21:37:12

GENERAL INFORMATION:

Formation: **Toronto/Lansing A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:25:12

Time Test Ended: 06:19:12

Test Type: Conventional Bottom Hole

Tester: Dustin Rash

Unit No: 42

Interval: 3196.00 ft (KB) To 3270.00 ft (KB) (TVD)

Reference Elevations: 1975.00 ft (KB)

Total Depth: 3270.00 ft (KB) (TVD)

1965.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8700 Outside

Press @ Run Depth: 240.98 psig @ 3199.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.04.02

End Date: 2011.04.03

Last Calib.: 2011.04.03

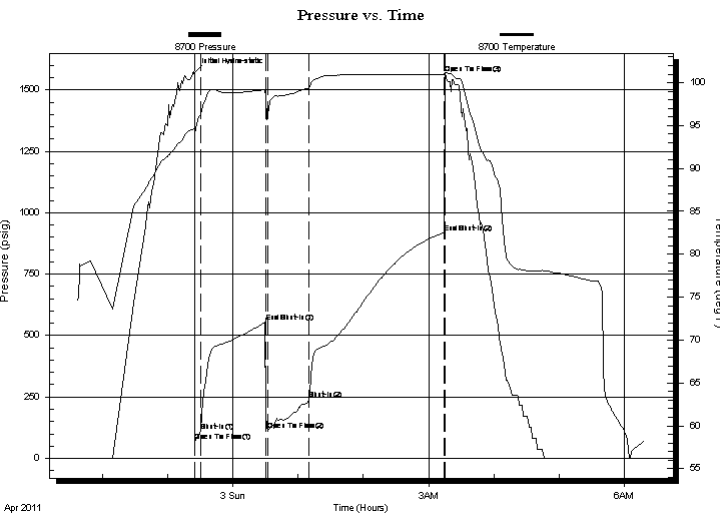
Start Time: 21:37:17

End Time: 06:19:12

Time On Btm: 2011.04.02 @ 23:24:42

Time Off Btm:

TEST COMMENT: IF-5 Strong building blow . BOB in 1 minute 40 seconds.
ISI-60 Return @ 6 minutes. Built to 5&1/2 inches.
FF-30 Strong building blow . BOB in 10 seconds. GTS in 13 minutes. TSTM.
FSI-120 Return @ 10



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1569.98	94.69	Initial Hydro-static
1	68.20	94.20	Open To Flow (1)
6	109.95	96.26	Shut-In(1)
66	554.88	99.19	End Shut-In(1)
68	116.53	96.32	Open To Flow (2)
105	240.98	99.35	Shut-In(2)
230	918.50	100.92	End Shut-In(2)
231	1565.74	101.18	Open To Flow (3)

Recovery

Length (ft)	Description	Volume (bbl)
186.00	50%Gas/30%Mud/20%Oil	2.61
186.00	50%Gas/40%Mud/10%Oil	2.61
158.00	80%Mud/10%Oil/10%Gas	2.22
0.00	2661' G.I.P.	0.00

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:

39 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	50%Gas/30%Mud/20%Oil	2.609
186.00	50%Gas/40%Mud/10%Oil	2.609
158.00	80%Mud/10%Oil/10%Gas	2.216
0.00	2661' G.I.P.	0.000

Total Length: 530.00 ft

Total Volume: 7.434 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location:

Recovery Comments:

Pressure vs. Time

