

**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sam Gary Jr and Associates

Legleiter et al 1-10

1515 Wynkoop Street
Suite 700
Denver, CO. 80202
ATTN: Neil Sharp

10-16s-16w-Rush

Job Ticket: 43537

DST#: 5

Test Start: 2011.07.06 @ 15:39:09

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:16:39

Time Test Ended: 20:45:54

Test Type: Conventional Straddle

Tester: Jason McLemore

Unit No: 54

Interval: 3445.00 ft (KB) To 3539.00 ft (KB) (TVD)

Reference Elevations: 1953.00 ft (KB)

Total Depth: 3644.00 ft (KB) (TVD)

1943.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8673 Inside

Press @ Run Depth: psig @ 3515.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.07.06

End Date:

2011.07.06

Last Calib.:

2011.07.06

Start Time: 15:39:11

End Time:

20:45:54

Time On Btm:

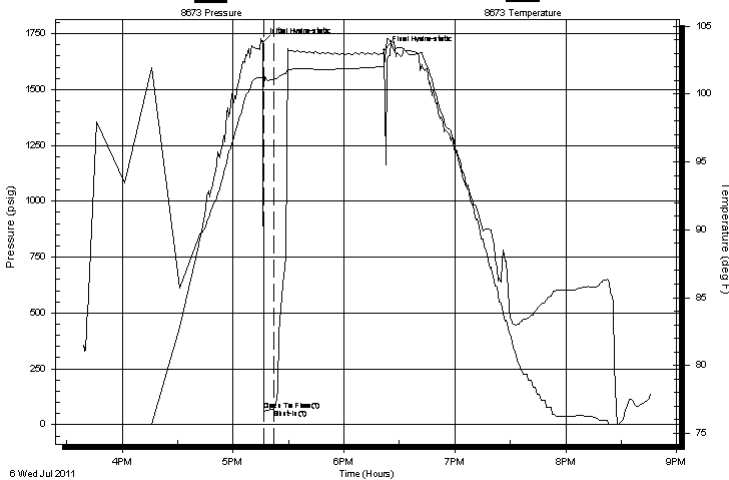
2011.07.06 @ 17:16:09

Time Off Btm:

2011.07.06 @ 18:21:54

TEST COMMENT: IFP-Weak Blow ,Built to 4"
ISI-Dead
FFP-Packer Failure, Pull Tool

Pressure vs. Time



PRESSURE SUMMARY

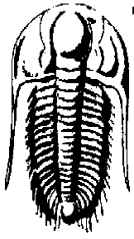
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1710.46	101.24	Initial Hydro-static
1	62.90	100.53	Open To Flow (1)
6	68.86	101.08	Shut-In(1)
66	1676.13	102.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
375.00	Mud W/Oil Scum	5.26

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: 54.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.97 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
375.00	Mud W/Oil Scum	5.260

Total Length: 375.00 ft Total Volume: 5.260 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 10#, 3000ml Mud

