

19-18s-9w

19-18s-09w
SE NE NW



DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates**

1670 Broadway Ste 3300
Denver Co 80202

ATTN: Tom Fertal

19 18 9W Rice KS

Boldt #1-19

Start Date: 2006.10.13 @ 16:05:40

End Date: 2006.10.13 @ 23:52:34

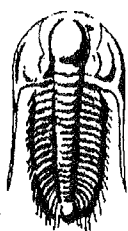
Job Ticket #: 26250 DST #: 1

950 FNL 2485 FWL

15-159-22509-0000

KCC
FEB 02 2007
CONFIDENTIAL

Trilobite Testing, Inc
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

1670 Broadway Ste 3300
Denver Co 80202

ATTN: Tom Fertal

Boldt #1-19

19 18 9W Rice KS

Job Ticket: 26250

DST#: 1

Test Start: 2006.10.13 @ 16:05:40

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:43:05

Time Test Ended: 23:52:34

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3224.00 ft (KB) To 3237.00 ft (KB) (TVD)**

Total Depth: 3237.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1727.00 ft (KB)

1721.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6753

Inside

Press@RunDepth: 893.17 psig @ 3225.01 ft (KB)

Start Date: 2006.10.13

End Date:

2006.10.13

Start Time: 16:05:40

End Time:

23:52:34

Capacity: 7000.00 psig

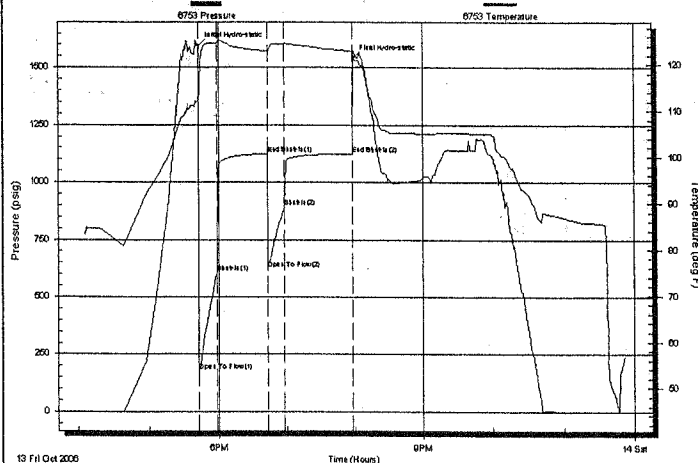
Last Calib.: 2006.10.13

Time On Btm: 2006.10.13 @ 17:42:35

Time Off Btm: 2006.10.13 @ 19:58:35

TEST COMMENT: IFP Strg bl in 1 min
FFP Strg bl in 30 sec
Times 15 45 15 60
ISIP 4 3/4 " bl bk

Pressure vs. Time



PRESSURE SUMMARY

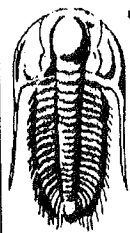
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.86	112.13	Initial Hydro-static
1	175.73	110.56	Open To Flow (1)
16	607.25	124.70	Shut-In (1)
60	1123.65	122.97	End Shut-In (1)
61	621.17	122.38	Open To Flow (2)
76	893.17	124.40	Shut-In (2)
136	1124.74	122.97	End Shut-In (2)
136	1538.86	123.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2280.00	CO	23.68
120.00	OCMV 5%O 12%M 83%W	1.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Samuel Gary Jr & Associates

1670 Broadway Ste 3300
Denver Co 80202

ATTN: Tom Fertal

Boldt #1-19

19 18 9W Rice KS

Job Ticket: 26250

DST#: 1

Test Start: 2006.10.13 @ 16:05:40

Tool Information

Drill Pipe:	Length: 2972.00 ft	Diameter: 3.34 inches	Volume: 32.21 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 180.00 ft	Diameter: 2.70 inches	Volume: 1.27 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose:	55000.00 lb
		Total Volume:	33.78 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	39000.00 lb
Depth to Top Packer:	3224.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	13.02 ft				
Tool Length:	41.02 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3197.00	
Shut In Tool	5.00			3202.00	
Hydraulic tool	5.00			3207.00	
Jars	5.00			3212.00	
Safety Joint	2.00			3214.00	
Packer	5.00			3219.00	28.00 Bottom Of Top Packer
Packer	5.00			3224.00	
Stubb	1.00			3225.00	
Recorder	0.01	6753	Inside	3225.01	
Perforations	9.00			3234.01	
Recorder	0.01	13534	Outside	3234.02	
Bullnose	3.00			3237.02	13.02 Bottom Packers & Anchor

Total Tool Length: 41.02



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FLUID SUMMARY

Samuel Gary Jr & Associates

Boldt #1-19

1670 Broadway Ste 3300
Denver Co 80202

19 18 9W Rice KS

Job Ticket: 26250

DST#: 1

ATTN: Tom Fertal

Test Start: 2006.10.13 @ 16:05:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

41 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

19000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2280.00	CO	23.677
120.00	OCMV 5%O 12%M 83%W	1.300

Total Length: 2400.00 ft Total Volume: 24.977 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .62 @ 41F

Serial #: 6753

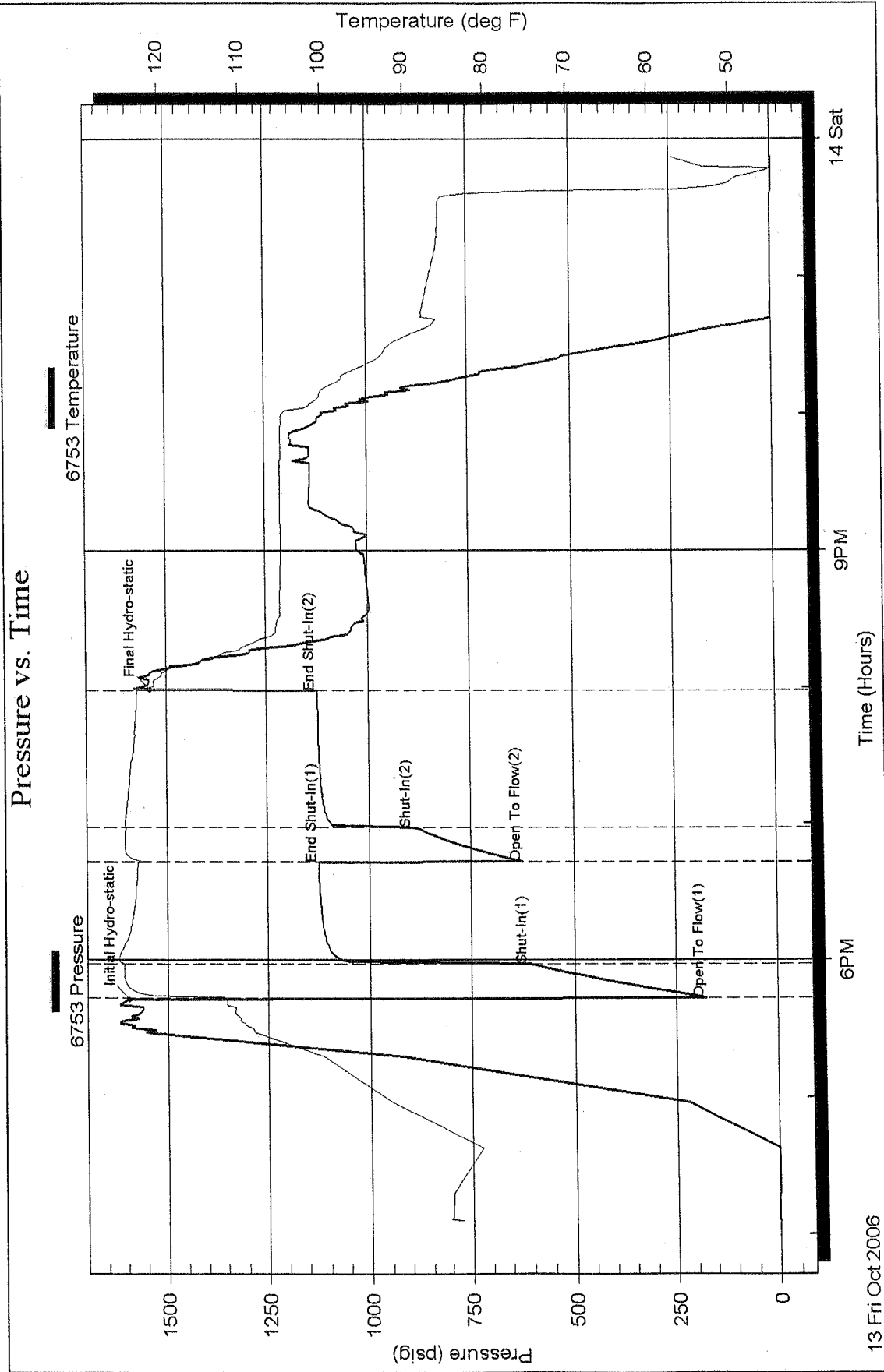
Inside

Samuel Gary Jr & Associates

19 18 9W Rice KS

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 26250

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