

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Star F Schlobohm**

47 Michawanic Rd #3D
Sanbornville NH 03872-3787

ATTN: Star Schlobohm

10-15s-13w Russell

Anschutz #1Twin

Start Date: 2005.08.20 @ 11:23:59

End Date: 2005.08.20 @ 17:27:58

Job Ticket #: 23839 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Star F Schlobohm
47 Michawanic Rd #3D
Sanbornville NH 03872-3787
ATTN: Star Schlobohm

Anschutz #1Twin
10-15s-13w Russell
Job Ticket: 23839 **DST#: 1**
Test Start: 2005.08.20 @ 11:23:59

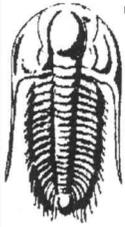
Tool Information

Drill Pipe:	Length: 2974.00 ft	Diameter: 3.80 inches	Volume: 41.72 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 41.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	2965.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.02 ft			
Tool Length:	56.02 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			2945.00	
Shut In Tool	5.00			2950.00	
Hydraulic tool	5.00			2955.00	
Packer	5.00			2960.00	21.00 Bottom Of Top Packer
Packer	5.00			2965.00	
Stubb	1.00			2966.00	
Perforations	6.00			2972.00	
Recorder	0.01	8167	Inside	2972.01	
Perforations	25.00			2997.01	
Recorder	0.01	13534	Outside	2997.02	
Bullnose	3.00			3000.02	35.02 Bottom Packers & Anchor

Total Tool Length: 56.02



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FLUID SUMMARY

Star F Schlobohm

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47 Michawanic Rd #3D
Sanbornville NH 03872-3787

10-15s-13w Russell

Job Ticket: 23839

DST#: 1

ATTN: Star Schlobohm

Test Start: 2005.08.20 @ 11:23:59

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.72 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	SOCM 1%O 99%M	0.210

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

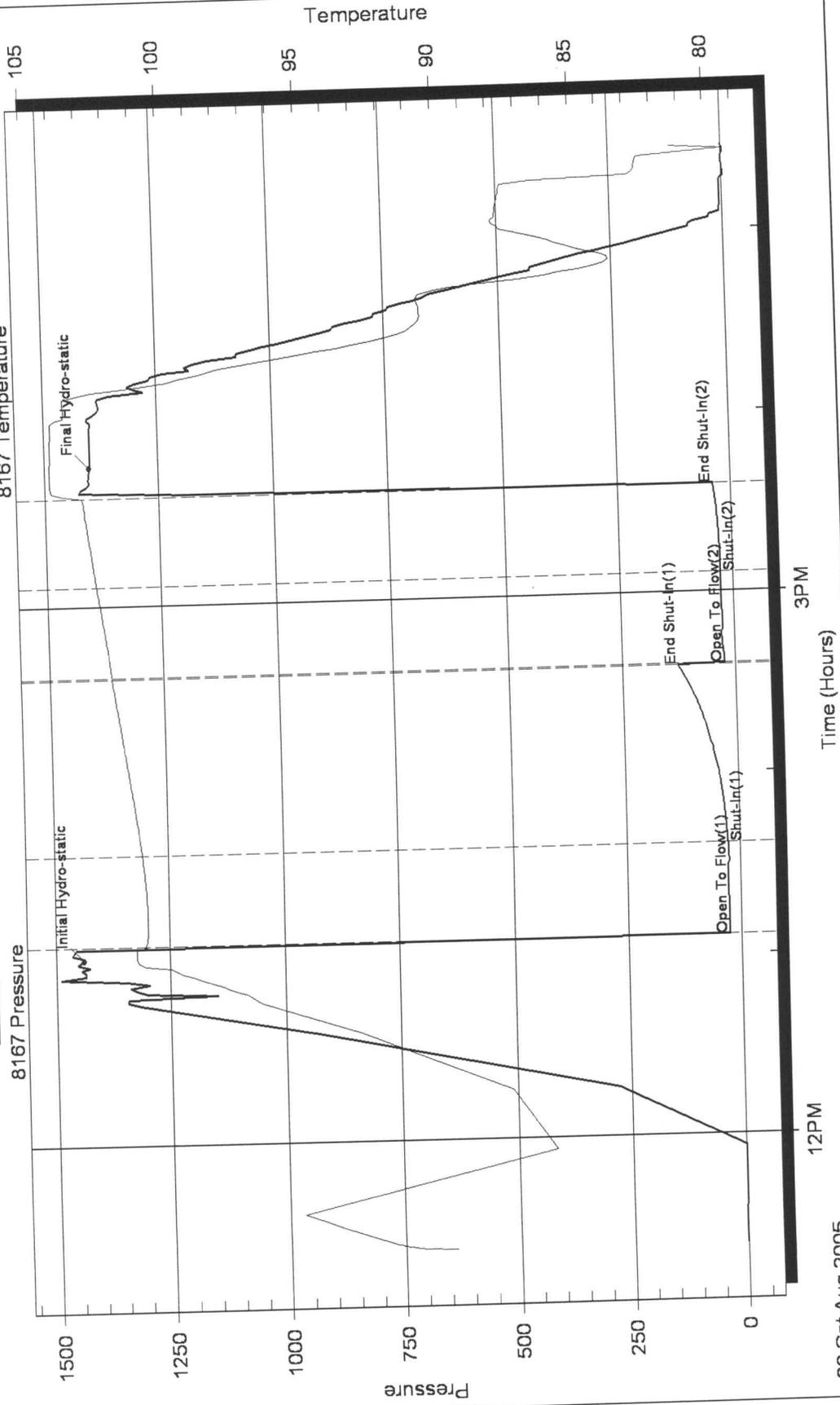
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



20 Sat Aug 2005

12PM

3PM

Time (Hours)



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47 Michawanic Rd #3D
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Anschutz #1Twin
10-15s-13w Russell
Job Ticket: 23840 **DST#: 2**
Test Start: 2005.08.21 @ 03:14:14

ATTN: Star Schlobohm

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: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.53 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: 1.00 inches			

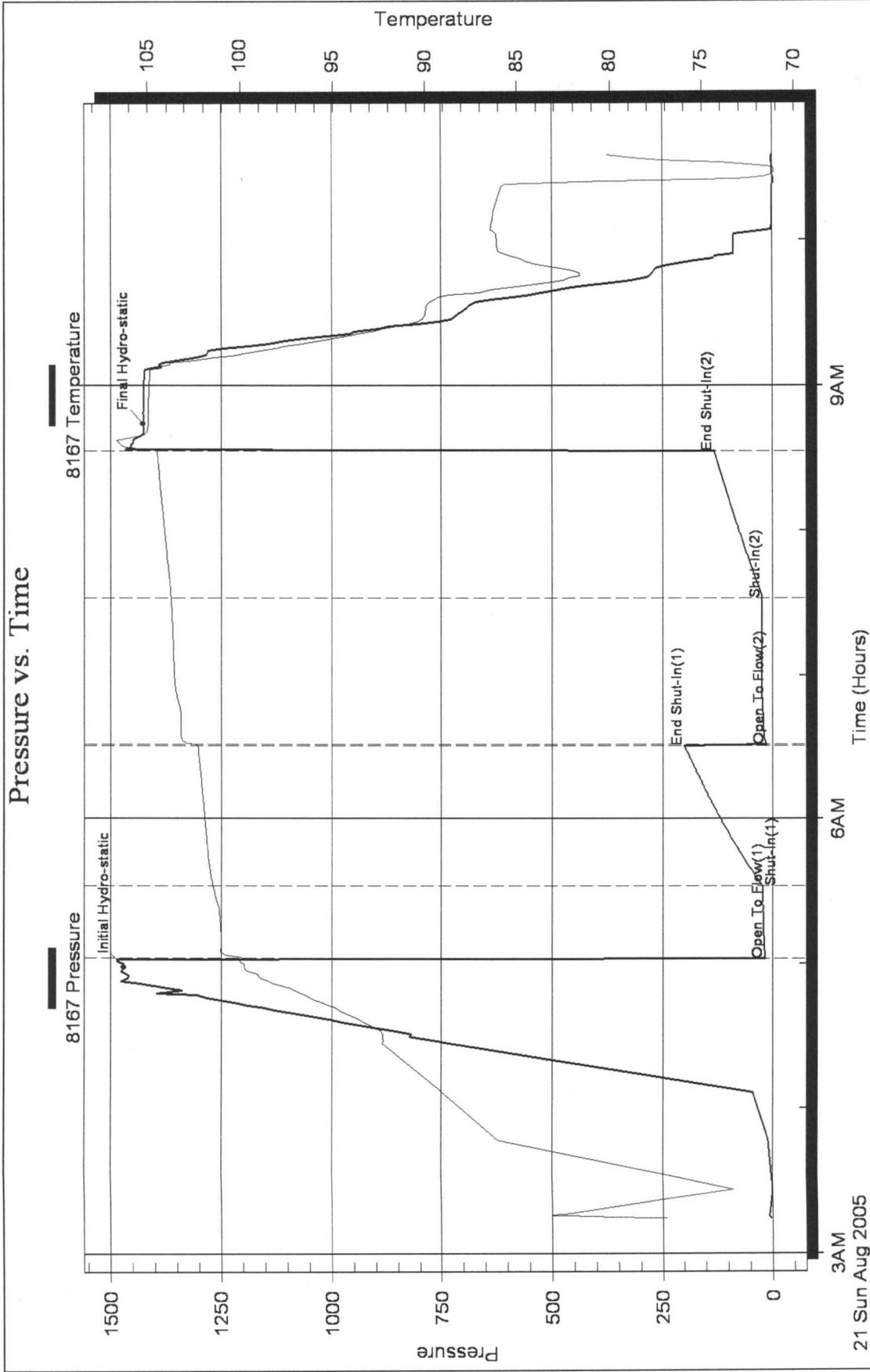
Recovery Information

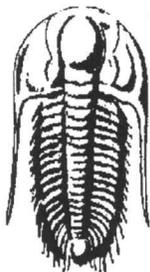
Recovery Table

Length ft	Description	Volume bbl
35.00	O&GCM 20% O5% G 75% M	0.491
0.00	335' GIP	0.000

Total Length: 35.00 ft Total Volume: 0.491 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time





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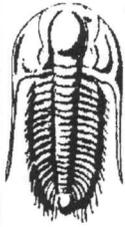
Anschutz #1Twin

Start Date: 2005.08.22 @ 14:50:21

End Date: 2005.08.22 @ 22:04:50

Job Ticket #: 23841 DST #: 3

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47 Michawanic Rd #3D
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ATTN: Star Schlobohm

Anschutz #1Twin
10-15s-13w Russell
Job Ticket: 23841 **DST#: 3**
Test Start: 2005.08.22 @ 14:50:21

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: 16:21:50
Time Test Ended: 22:04:50
Test Type: **Conventional Bottom Hole**
Tester: **Ray Schwager**
Unit No: **28**
Interval: **3300.00 ft (KB) To 3331.00 ft (KB) (TVD)**
Reference Elevations: **1873.00 ft (KB)**
Total Depth: **3331.00 ft (KB) (TVD)** **1868.00 ft (CF)**
Hole Diameter: **7.85 inches** Hole Condition: **Fair** **KB to GR/CF: 5.00 ft**

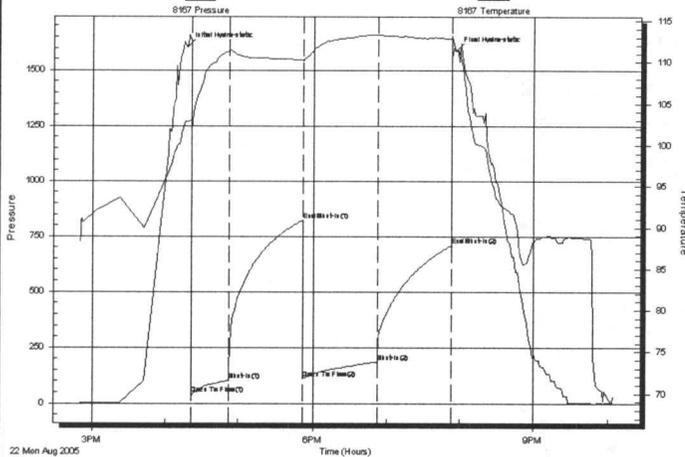
Serial #: 8167

Inside

Press@RunDepth: **186.33 psig @ 3303.01 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.08.22** End Date: **2005.08.22** Last Calib.: **2005.08.22**
Start Time: **14:50:21** End Time: **22:04:50** Time On Btm: **2005.08.22 @ 16:18:20**
Time Off Btm: **2005.08.22 @ 19:56:50**

TEST COMMENT: IFF-w k to strg in 10 min
FFP-w k to strg in 17 min
Times 30-60-60-60

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1607.36	102.90	Initial Hydro-static
4	42.28	101.92	Open To Flow (1)
34	101.98	111.36	Shut-In(1)
94	823.93	110.32	End Shut-In(1)
94	111.63	110.22	Open To Flow (2)
154	186.33	113.27	Shut-In(2)
215	709.46	112.86	End Shut-In(2)
219	1589.04	111.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	CO	0.84
90.00	HO&GCM 10%G20%O10%W60%M	1.26
60.00	O&GCWM 5%G 10%O40%W45%M	0.84
180.00	Water w/show of oil	2.52
0.00	60'GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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Job Ticket: 23841 **DST#: 3**
Test Start: 2005.08.22 @ 14:50:21

Tool Information

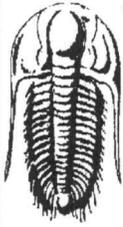
Drill Pipe:	Length: 3299.00 ft	Diameter: 3.80 inches	Volume: 46.28 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 46.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3300.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.02 ft			
Tool Length:	52.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3280.00	
Shut In Tool	5.00			3285.00	
Hydraulic tool	5.00			3290.00	
Packer	5.00			3295.00	21.00 Bottom Of Top Packer
Packer	5.00			3300.00	
Stubb	1.00			3301.00	
Perforations	2.00			3303.00	
Recorder	0.01	8167	Inside	3303.01	
Perforations	25.00			3328.01	
Recorder	0.01	13534	Outside	3328.02	
Bullnose	3.00			3331.02	31.02 Bottom Packers & Anchor

Total Tool Length: 52.02



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Job Ticket: 23841 **DST#: 3**
Test Start: 2005.08.22 @ 14:50:21

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.70 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	CO	0.842
90.00	HO&GCM 10%G20%O10%W60%M	1.262
60.00	O&GCWM 5%G 10%O40%W45%M	0.842
180.00	Water w/show of oil	2.525
0.00	60'GIP	0.000

Total Length: 390.00 ft Total Volume: 5.471 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW.36@70F

Pressure vs. Time

