



## DRILL STEM TEST REPORT

Prepared For: **Sam Gary Jr. & Assoc. Inc.**

1670 Broadway Ste 3300  
Denver CO 80202

ATTN: Tom Fertal

**8-17s-10w Ellsworth**

**Soeken-Stucky #1-8**

Start Date: 2005.06.03 @ 02:26:54

End Date: 2005.06.03 @ 10:58:23

Job Ticket #: 22672                      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

Sam Gary Jr. & Assoc. Inc.

1670 Broadway Ste 3300  
Denver CO 80202

ATTN: Tom Fertal

**Soeken-Stucky #1-8**

**8-17s-10w Ellsworth**

Job Ticket: 22672

DST#: 1

Test Start: 2005.06.03 @ 02:26:54

### GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 05:02:53

Time Test Ended: 10:58:23

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3367.00 ft (KB) To 3383.00 ft (KB) (TVD)**

Total Depth: 3450.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1881.00 ft (KB)

1871.00 ft (CF)

KB to GR/CF: 10.00 ft

### Serial #: 8167

Inside

Press@RunDepth: 276.74 psig @ 3368.01 ft (KB)

Start Date: 2005.06.03

End Date:

2005.06.03

Start Time: 02:26:54

End Time:

10:58:23

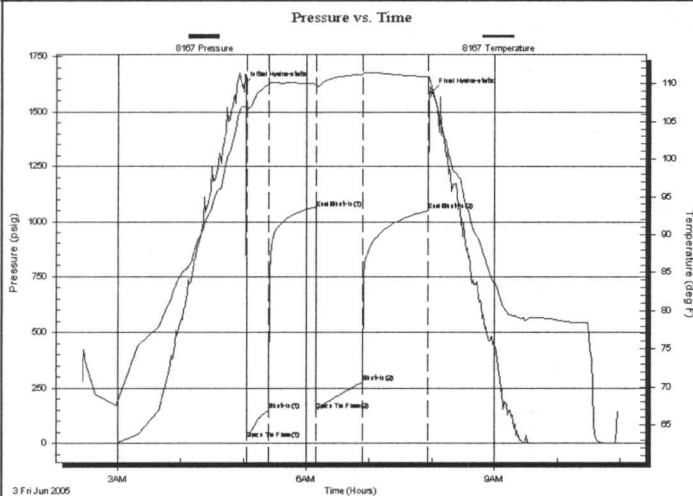
Capacity: 7000.00 psig

Last Calib.: 2005.06.03

Time On Btm: 2005.06.03 @ 04:59:23

Time Off Btm: 2005.06.03 @ 07:59:23

**TEST COMMENT:** IFP-w k to a gd bl 1/2" to 8" bl  
FFP-w k bl thru-out 1/4" to 2 1/2" bl  
Times 20-45-45-60  
no bl on shut-in



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1620.18	106.95	Initial Hydro-static
4	18.65	106.20	Open To Flow (1)
25	147.05	109.90	Shut-In(1)
70	1058.62	109.95	End Shut-In(1)
70	150.33	109.68	Open To Flow (2)
114	276.74	111.26	Shut-In(2)
176	1049.26	110.91	End Shut-In(2)
180	1588.67	109.61	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
20.00	MW 30%M 70%V w/show of oil	0.10
60.00	MW 25%M 75%W	0.30
510.00	Water RW .4@65F	3.38

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Sam Gary Jr. & Assoc. Inc.

**Soeken-Stucky #1-8**

1670 Broadway Ste 3300  
Denver CO 80202

**8-17s-10w Ellsworth**

Job Ticket: 22672

**DST#: 1**

ATTN: Tom Fertal

Test Start: 2005.06.03 @ 02:26:54

### Tool Information

Drill Pipe:	Length: 3129.00 ft	Diameter: 2.76 inches	Volume: 23.15 bbl	Tool Weight: 2500.00 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 24.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3367.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	88.03 ft			
Tool Length:	116.03 ft			
Number of Packers:	4	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3340.00	
Shut In Tool	5.00			3345.00	
Hydraulic tool	5.00			3350.00	
Jars	5.00			3355.00	
Safety Joint	2.00			3357.00	
Packer	5.00			3362.00	28.00 Bottom Of Top Packer
Packer	5.00			3367.00	
Stubb	1.00			3368.00	
Recorder	0.01	8167	Inside	3368.01	
Perforations	6.00			3374.01	
Recorder	0.01	13534	Outside	3374.02	
Perforations	5.00			3379.02	
Blank Off Sub	1.00			3380.02	
Blank Spacing	3.00			3383.02	88.03 Tool Interval
Packer	5.00			3388.02	
Stubb	1.00			3389.02	
Blank Spacing	63.00			3452.02	
Recorder	0.01	13547	Below	3452.03	
Bullnose	3.00			3455.03	1000115.03 Bottom Packers & Anchor

**Total Tool Length: 116.03**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FLUID SUMMARY

Sam Gary Jr. & Assoc. Inc.

**Soeken-Stucky #1-8**

1670 Broadway Ste 3300  
Denver CO 80202

**8-17s-10w Ellsworth**

ATTN: Tom Fertal

Job Ticket: 22672

DST#: 1

Test Start: 2005.06.03 @ 02:26:54

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 9.76 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 6500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 18000 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	MW 30%M 70%W w/show of oil	0.098
60.00	MW 25%M 75%W	0.295
510.00	Water RW .4@65F	3.377

Total Length: 590.00 ft      Total Volume: 3.770 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2#LCM

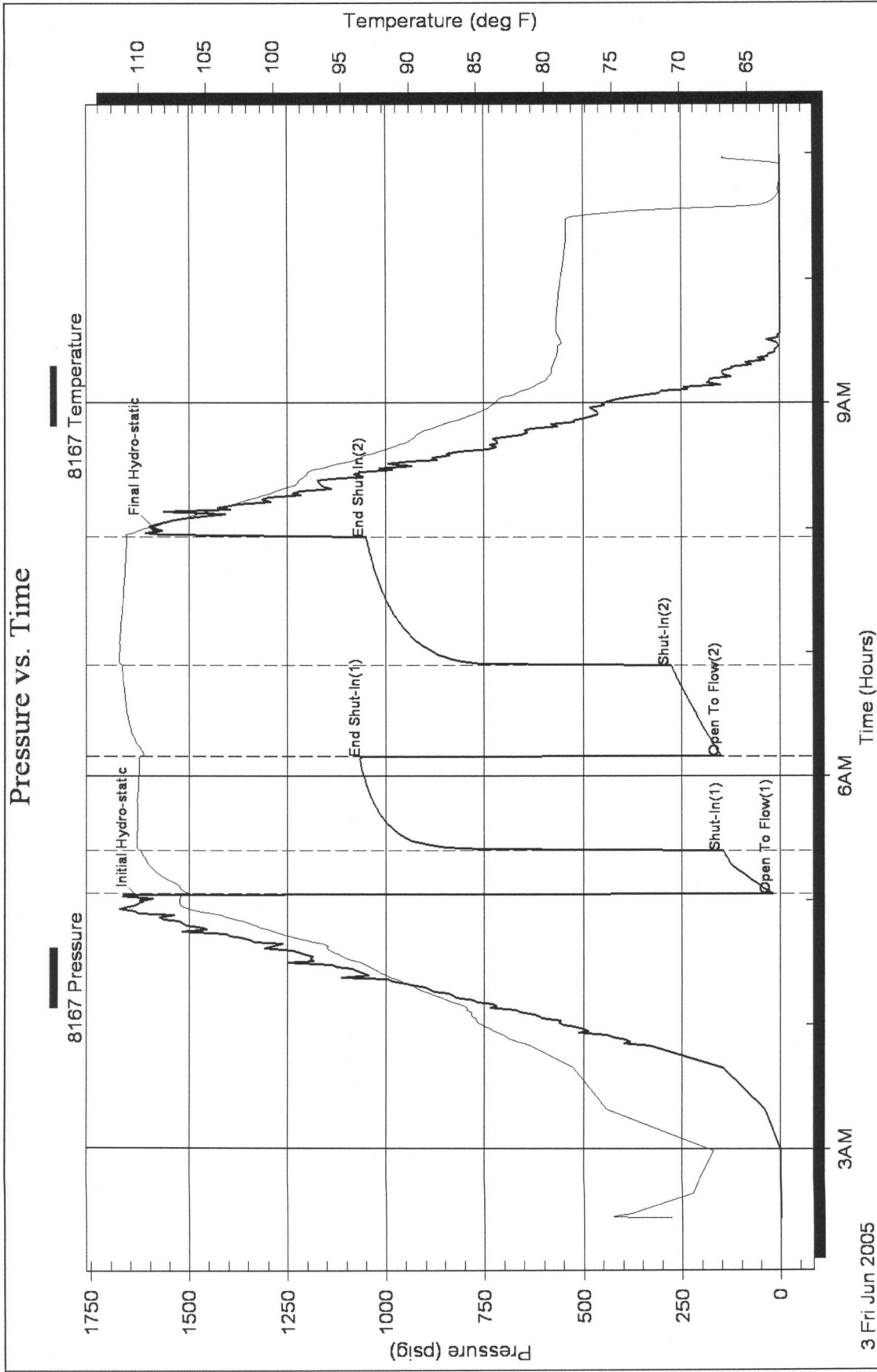
Serial #: 8167

Inside

Sam Cary Jr. & Assoc. Inc.

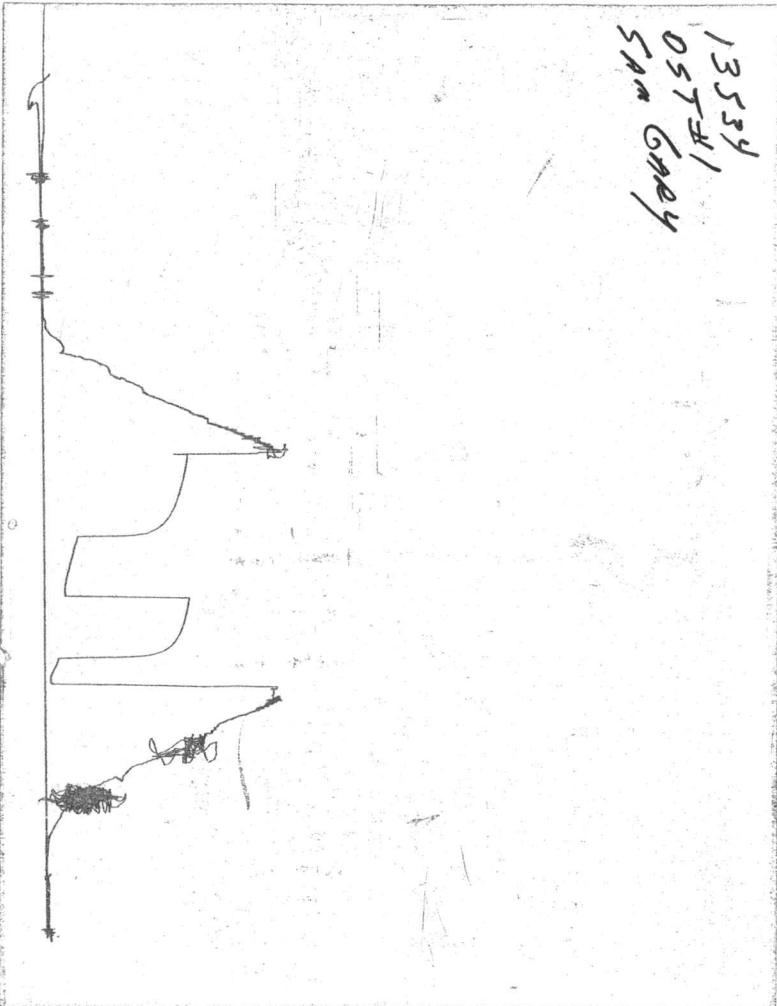
8-17s-10w Elsworth

DST Test Number: 1



**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.



**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.

