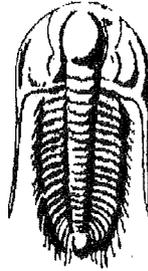


15-159-22561

4-18s-10w

IND



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

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

1560 Broadway Ste 2100  
Denver CO80202

ATTN: Tom Fertal

**4 18S 10W Rice KS**

**Stumps #4-4**

Start Date: 2008.03.04 @ 01:33:34

End Date: 2008.03.04 @ 06:07:04

Job Ticket #: 29821 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Samuel Gary Jr & Associates

Stumps #4-4

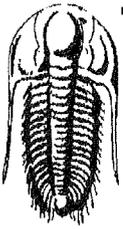
4 18S 10W Rice KS

DST # 1

Lans.

2008.03.04

**CONFIDENTIAL**  
MAY 23 2008  
KCC



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

1560 Broadway Ste 2100  
Denver CO80202

ATTN: Tom Fertal

**Stumps #4-4**

**4 18S 10W Rice KS**

Job Ticket: 29821

**DST#: 1**

Test Start: 2008.03.04 @ 01:33:34

## GENERAL INFORMATION:

Formation: **Lans.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:08:19

Time Test Ended: 06:07:04

Interval: **3018.00 ft (KB) To 3032.00 ft (KB) (TVD)**

Total Depth: 3032.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Reference Elevations: 1784.00 ft (KB)

1775.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 8167** Inside

Press@RunDepth: psig @ 3019.00 ft (KB)

Start Date: 2008.03.04

End Date: 2008.03.04

Capacity: 7000.00 psig

Last Calib.: 2008.03.04

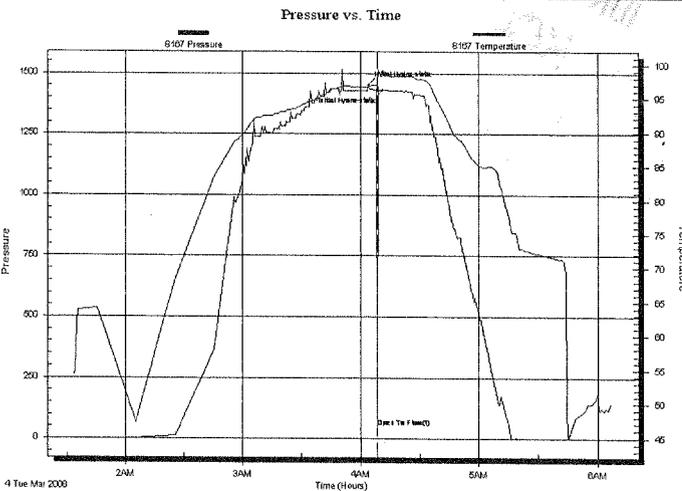
Start Time: 01:33:39

End Time: 06:07:03

Time On Btm: 2008.03.04 @ 04:03:49

Time Off Btm:

**TEST COMMENT:** Hit bridge 40 ft. from btm. Tried several times to push through using entire string w t. Opened tool. Could not pass bridge MisRun



## PRESSURE SUMMARY

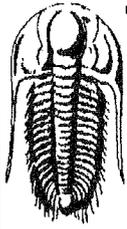
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1450.25	96.79	Initial Hydro-static
5	48.15	97.02	Open To Flow (1)
8	1431.24	98.80	Initial Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
90.00	DM	1.26

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Samuel Gary Jr & Associates

**Stumps #4-4**

1560 Broadway Ste 2100  
Denver CO80202

**4 18S 10W Rice KS**

Job Ticket: 29821

**DST#: 1**

ATTN: Tom Fertal

Test Start: 2008.03.04 @ 01:33:34

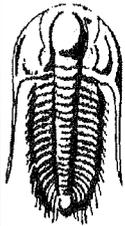
### Tool Information

Drill Pipe:	Length: 3008.00 ft	Diameter: 3.80 inches	Volume: 42.19 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 28000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 42.19 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3018.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 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			2991.00	
Shut In Tool	5.00			2996.00	
Hydraulic tool	5.00			3001.00	
Jars	5.00			3006.00	
Safety Joint	3.00			3009.00	
Packer	4.00			3013.00	28.00 Bottom Of Top Packer
Packer	5.00			3018.00	
Stubb	1.00			3019.00	
Recorder	0.00	8167	Inside	3019.00	
Recorder	0.00	8357	Inside	3019.00	
Perforations	8.00			3027.00	
Bullnose	5.00			3032.00	14.00 Bottom Packers & Anchor

**Total Tool Length: 42.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

Stumps #4-4

1560 Broadway Ste 2100  
Denver CO80202

4 18S 10W Rice KS

Job Ticket: 29821

DST#: 1

ATTN: Tom Fertal

Test Start: 2008.03.04 @ 01:33:34

## 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:

5000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	DM	1.262

Total Length: 90.00 ft

Total Volume: 1.262 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8167

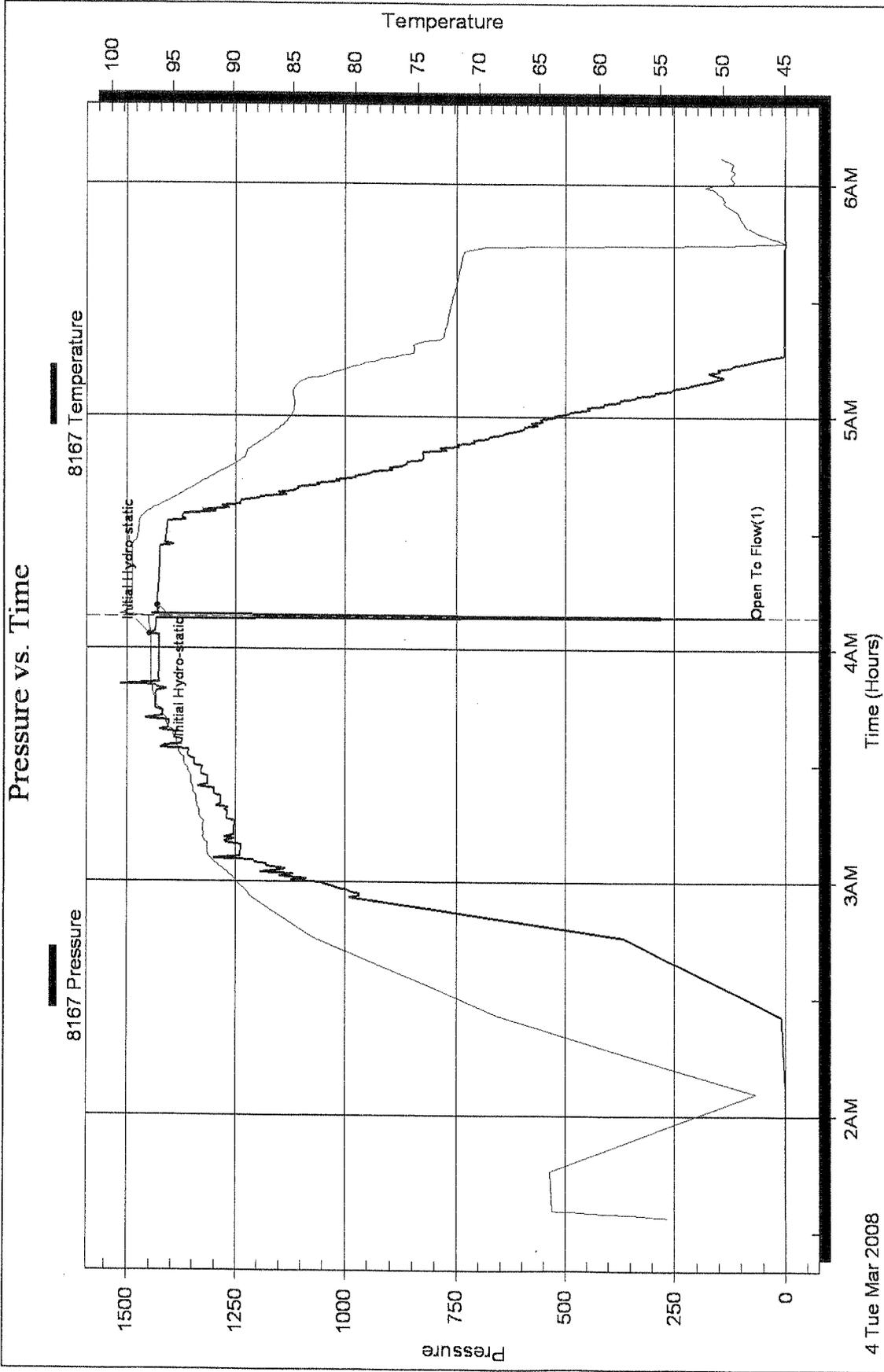
Inside

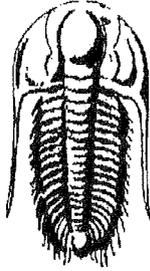
Samuel Gary Jr & Associates

4 18S 10W Rice KS

DST Test Number: 1

### Pressure vs. Time





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

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

1560 Broadway Ste 2100  
Denver CO80202

ATTN: Tom Fertal

### **4 18S 10W Rice KS**

#### **Stumps #4-4**

Start Date: 2008.03.04 @ 12:20:49

End Date: 2008.03.04 @ 16:39:34

Job Ticket #: 29822                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Samuel Gary Jr & Associates

Stumps #4-4

4 18S 10W Rice KS

DST # 2

Lans.

2008.03.04



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

**Stumps #4-4**

1560 Broadway Ste 2100  
Denver CO80202

**4 18S 10W Rice KS**

Job Ticket: 29822

DST#: 2

ATTN: Tom Fertal

Test Start: 2008.03.04 @ 12:20:49

## GENERAL INFORMATION:

Formation: **Lans.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:05:19

Time Test Ended: 16:39:34

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3018.00 ft (KB) To 3032.00 ft (KB) (TVD)**

Total Depth: 3032.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1784.00 ft (KB)

1775.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 8167** Inside

Press@RunDepth: psig @ 3019.00 ft (KB)

Start Date: 2008.03.04

End Date:

2008.03.04

Capacity: 7000.00 psig

Last Calib.: 2008.03.04

Start Time: 12:20:54

End Time:

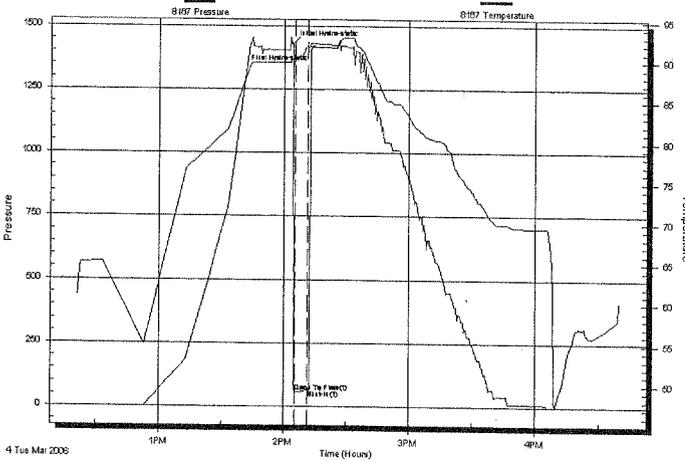
16:39:33

Time On Btm: 2008.03.04 @ 14:04:04

Time Off Btm: 2008.03.04 @ 14:14:04

**TEST COMMENT:** Hit bridge 20 - 25 ft. from btm Tried several times to push through using entire string w.t. Opened tool slid 4 - 5 ' Could not pass bridge MisRun

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1428.00	90.24	Initial Hydro-static
2	57.53	90.14	Open To Flow (1)
8	65.11	91.88	Shut-In (1)
10	1417.14	92.23	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
100.00	DM w/O specs. Good odor	0.86

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Samuel Gary Jr & Associates

**Stumps #4-4**

1560 Broadway Ste 2100  
Denver CO80202

**4 18S 10W Rice KS**

Job Ticket: 29822

**DST#: 2**

ATTN: Tom Fertal

Test Start: 2008.03.04 @ 12:20:49

### Tool Information

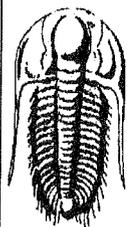
Drill Pipe:	Length: 2948.00 ft	Diameter: 3.80 inches	Volume: 41.35 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 41.65 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3018.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 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			2991.00	
Shut In Tool	5.00			2996.00	
Hydraulic tool	5.00			3001.00	
Jars	5.00			3006.00	
Safety Joint	3.00			3009.00	
Packer	4.00			3013.00	28.00 Bottom Of Top Packer
Packer	5.00			3018.00	
Stubb	1.00			3019.00	
Recorder	0.00	8167	Inside	3019.00	
Recorder	0.00	8357	Inside	3019.00	
Perforations	8.00			3027.00	
Bullnose	5.00			3032.00	14.00 Bottom Packers & Anchor

**Total Tool Length: 42.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Samuel Gary Jr & Associates

**Stumps #4-4**

1560 Broadway Ste 2100  
Denver CO80202

**4 18S 10W Rice KS**

Job Ticket: 29822

**DST#: 2**

ATTN: Tom Fertal

Test Start: 2008.03.04 @ 12:20:49

### 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:

5200 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5200.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
100.00	DM w/O specs. Good odor	0.856

Total Length: 100.00 ft

Total Volume: 0.856 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

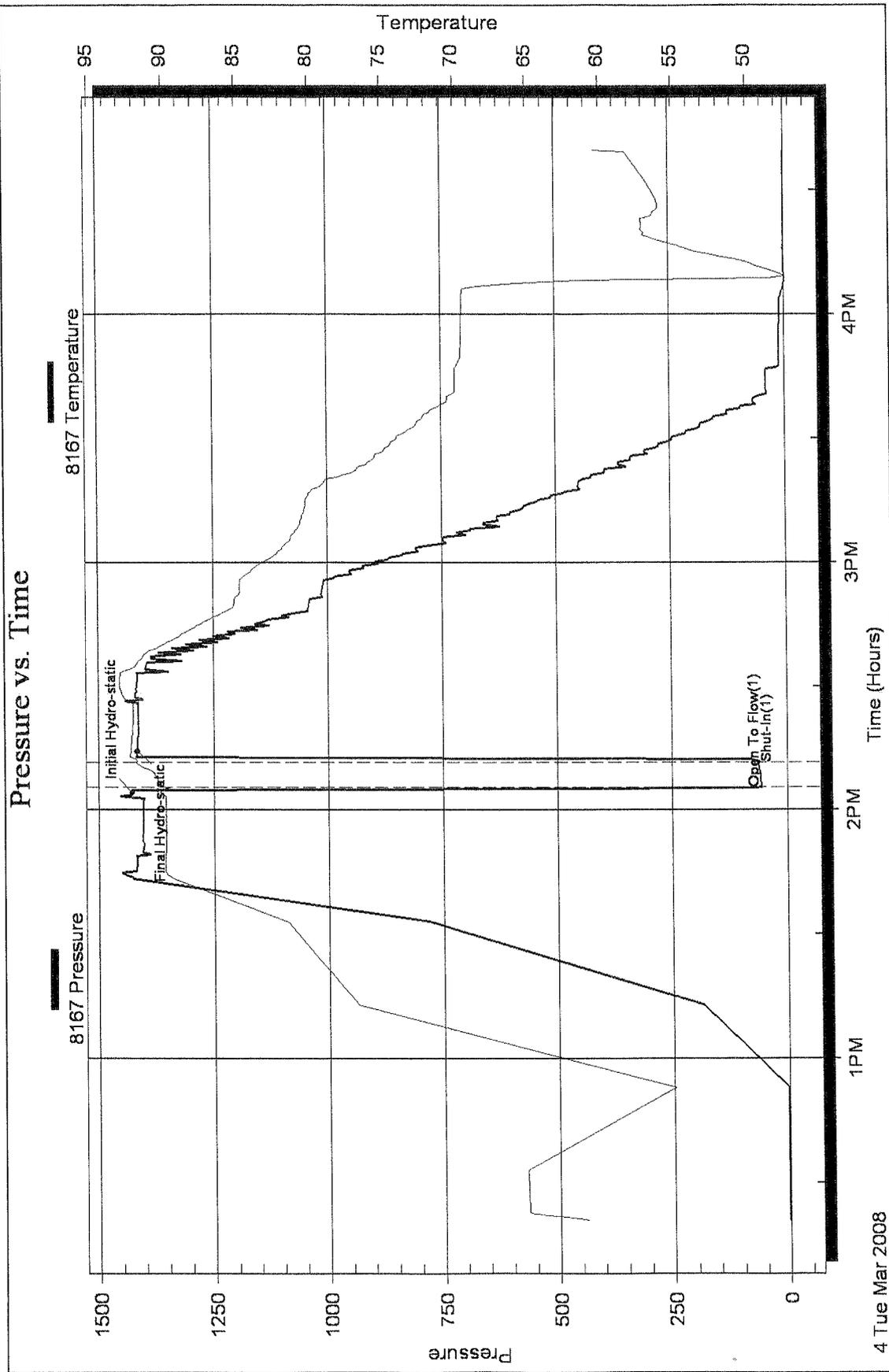
Serial #: none

Laboratory Name:

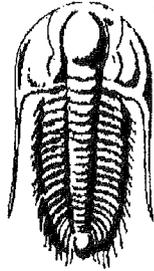
Laboratory Location:

Recovery Comments:

### Pressure vs. Time



4 Tue Mar 2008



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

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

1560 Broadway Ste 2100  
Denver CO80202

ATTN: Tom Fertal

**4 18S 10W Rice KS**

**Stumps #4-4**

Start Date: 2008.03.05 @ 16:06:31

End Date: 2008.03.05 @ 23:15:01

Job Ticket #: 29823                      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Samuel Gary Jr & Associates

Stumps #4-4

4 18S 10W Rice KS

DST # 3

Arbuckle

2008.03.05



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Associates  
1560 Broadway Ste 2100  
Denver CO80202  
ATTN: Tom Fertal

**Stumps #4-4**

**4 18S 10W Rice KS**

Job Ticket: 29823

**DST#: 3**

Test Start: 2008.03.05 @ 16:06:31

## GENERAL INFORMATION:

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 18:01:16  
Time Test Ended: 23:15:01

Test Type: Conventional Bottom Hole  
Tester: Gary Pevoteaux  
Unit No: 39

Interval: **3268.00 ft (KB) To 3284.00 ft (KB) (TVD)**  
Total Depth: 3284.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1784.00 ft (KB)  
1775.00 ft (CF)  
KB to GR/CF: 9.00 ft

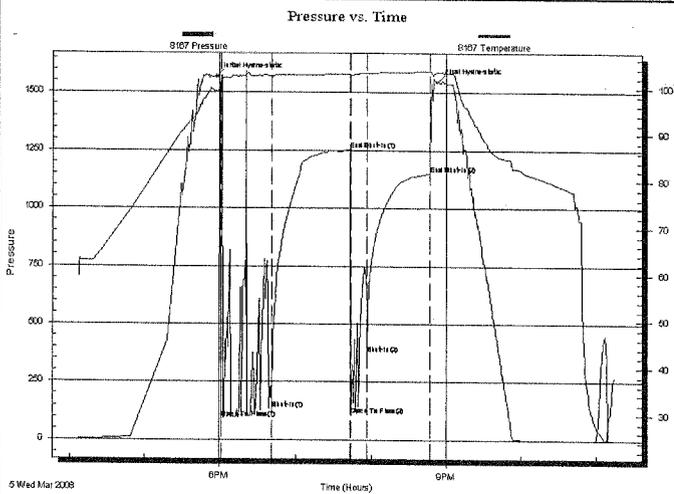
## Serial #: 8167

**Inside**

Press@RunDepth: 373.14 psig @ 3269.00 ft (KB)  
Start Date: 2008.03.05 End Date: 2008.03.05  
Start Time: 16:06:36 End Time: 23:15:00

Capacity: 7000.00 psig  
Last Calib.: 2008.03.05  
Time On Btm: 2008.03.05 @ 17:57:46  
Time Off Btm: 2008.03.05 @ 20:53:01

**TEST COMMENT:** IF Very weak blow (surface) Flushed tool 12 - 13 mins. in to 1st open Weak blow Dead in 8 mins.  
ISI No blow  
FF No blow  
FSI No blow



## PRESSURE SUMMARY

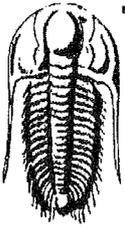
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1567.88	99.22	Initial Hydro-static
4	90.89	101.48	Open To Flow (1)
43	131.18	102.59	Shut-In(1)
105	1252.40	103.06	End Shut-In(1)
106	106.63	102.79	Open To Flow (2)
119	373.14	103.17	Shut-In(2)
169	1151.02	103.61	End Shut-In(2)
176	1546.80	103.42	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	Rocky Gritty Mud	0.66

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Samuel Gary Jr & Associates

**Stumps #4-4**

1560 Broadway Ste 2100  
Denver CO80202

**4 18S 10W Rice KS**

Job Ticket: 29823

**DST#: 3**

ATTN: Tom Fertal

Test Start: 2008.03.05 @ 16:06:31

### Tool Information

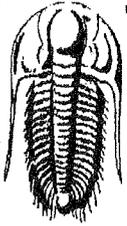
Drill Pipe:	Length: 3138.00 ft	Diameter: 3.80 inches	Volume: 44.02 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 35000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 74000.00 lb
		<b>Total Volume:</b>	<b>44.61 bbl</b>	Tool Chased 7.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3268.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

### Tool Comments:

approximately 22' of hard fill on bottom worked pipe to penetrate as far as possible Slid tool 6-7' and got within 5' from btm

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3241.00	
Shut In Tool	5.00			3246.00	
Hydraulic tool	5.00			3251.00	
Jars	5.00			3256.00	
Safety Joint	3.00			3259.00	
Packer	4.00			3263.00	28.00 Bottom Of Top Packer
Packer	5.00			3268.00	
Stubb	1.00			3269.00	
Recorder	0.00	8167	Inside	3269.00	
Recorder	0.00	8357	Inside	3269.00	
Perforations	10.00			3279.00	
Bullnose	5.00			3284.00	16.00 Bottom Packers & Anchor

**Total Tool Length: 44.00**



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Samuel Gary Jr & Associates

**Stumps #4-4**

1560 Broadway Ste 2100  
Denver CO80202

**4 18S 10W Rice KS**

Job Ticket: 29823

**DST#: 3**

ATTN: Tom Fertal

Test Start: 2008.03.05 @ 16:06:31

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.37 in<sup>3</sup>

Resistivity: 0.00 ohm.m

Salinity: 5200.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

5200 ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	Rocky Gritty Mud	0.660

Total Length: 125.00 ft

Total Volume: 0.660 bbl

Num Fluid Samples: 0

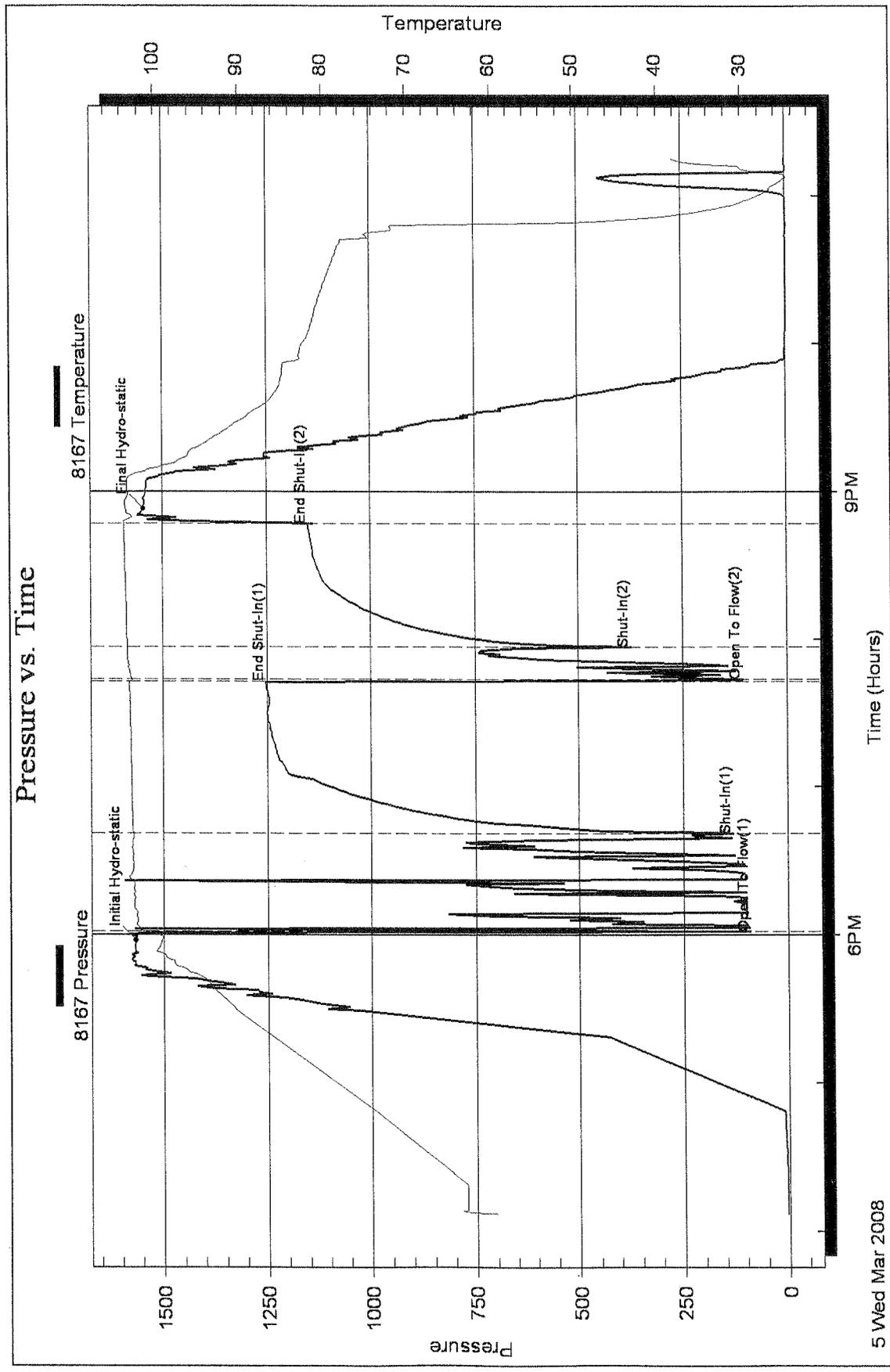
Num Gas Bombs: 0

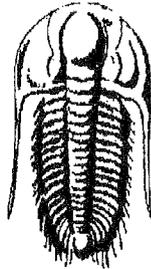
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

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

1560 Broadway Ste 2100  
Denver CO80202

ATTN: Tom Fertal

**4 18S 10W Rice KS**

**Stumps #4-4**

Start Date: 2008.03.06 @ 17:28:58

End Date: 2008.03.07 @ 00:36:28

Job Ticket #: 30343                      DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Samuel Gary Jr & Associates

Stumps #4-4

4 18S 10W Rice KS

DST # 4

Arbuckle

2008.03.06



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

1560 Broadway Ste 2100  
Denver CO80202

ATTN: Tom Fertal

**Stumps #4-4**

**4 18S 10W Rice KS**

Job Ticket: 30343

**DST#: 4**

Test Start: 2008.03.06 @ 17:28:58

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:15:28

Time Test Ended: 00:36:28

Test Type: Conventional Straddle

Tester: Jerry Adams/Gary Pev

Unit No: 45

**Interval: 3258.00 ft (KB) To 3282.00 ft (KB) (TVD)**

Total Depth: 3360.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 1784.00 ft (KB)

1775.00 ft (CF)

KB to GR/CF: 9.00 ft

**Serial #: 6798**

**Inside**

Press@RunDepth: 396.88 psig @ 3259.00 ft (KB)

Start Date: 2008.03.06

End Date:

2008.03.07

Start Time: 17:28:59

End Time:

00:36:28

Capacity: 7000.00 psig

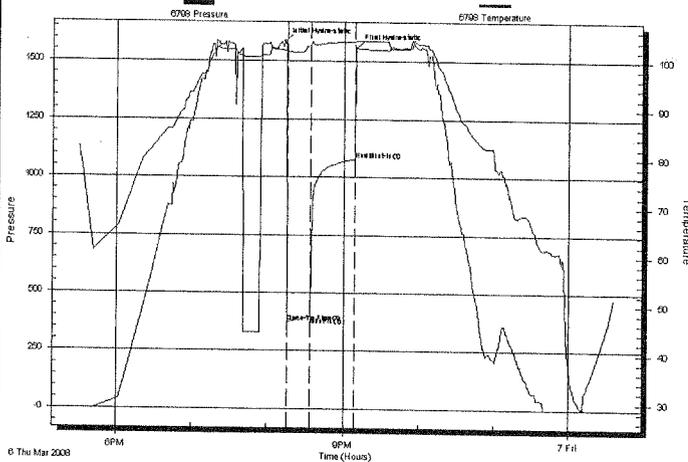
Last Calib.: 2008.03.07

Time On Btm: 2008.03.06 @ 20:13:28

Time Off Btm: 2008.03.06 @ 21:09:28

**TEST COMMENT:** IF Fair blow built to 7 1/2"  
ISI No blow  
FF Opened tool lost packer seat Came out of hole

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.94	102.20	Initial Hydro-static
2	373.80	101.89	Open To Flow (1)
21	396.88	103.36	Shut-In (1)
55	1076.05	103.93	End Shut-In (1)
56	1557.46	104.04	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	DM 100%M	0.30
120.00	SOCM 8%O 92%M	1.68
680.00	DM 100%M	9.54
0.00		0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Samuel Gary Jr & Associates

**Stumps #4-4**

1560 Broadway Ste 2100  
Denver CO80202

**4 18S 10W Rice KS**

Job Ticket: 30343

**DST#: 4**

ATTN: Tom Fertal

Test Start: 2008.03.06 @ 17:28:58

### Tool Information

Drill Pipe:	Length: 3189.00 ft	Diameter: 3.80 inches	Volume: 44.73 bbl	Tool Weight: 3000.00 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: 60.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 50000.00 lb
		<u>Total Volume:</u>	<u>45.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3258.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	3282.00 ft			
Interval between Packers:	24.00 ft			
Tool Length:	70.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

### Tool Comments:

Set hookw all tool opened packers failed Pulled loose reset hook 2' higher  
hookw held no blow pulled loose reset hook 6' lower packers failed pulled reset

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3235.00	
Hydraulic tool	5.00			3240.00	
Jars	5.00			3245.00	
Safety Joint	3.00			3248.00	
Packer	5.00			3253.00	28.00 Bottom Of Top Packer
Packer	5.00			3258.00	
Stubb	1.00			3259.00	
Recorder	0.00	6798	Inside	3259.00	
Perforations	19.00			3278.00	
Recorder	0.00	13249	Inside	3278.00	
Blank Off Sub	1.00			3279.00	
Travel Collar	3.00			3282.00	24.00 Tool Interval
Packer	0.00			3282.00	
Stubb	1.00			3283.00	
Recorder	0.00	8358	Inside	3283.00	
Perforations	14.00			3297.00	
Hookw all	0.00			3297.00	
Bullnose	3.00			3300.00	18.00 Bottom Packers & Anchor

**Total Tool Length: 70.00**



**TRILOBITE  
TESTING, INC**

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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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 0.20 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	DM 100%M	0.295
120.00	SOCM 8%O 92%M	1.683
680.00	DM 100%M	9.539
0.00		0.000

Total Length: 860.00 ft      Total Volume: 11.517 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

