

**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

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

1515 Wynkoop, Ste. 700  
Denver Co. 80202

ATTN: Tom Fertal

**34-15s-17w Ellis KS**

**Jacobs#1-34**

Start Date: 2010.05.01 @ 20:02:59

End Date: 2010.05.02 @ 02:22:59

Job Ticket #: 36878                      DST #: 1

**KCC  
AUG 2 0 2010  
CONFIDENTIAL**

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

**RECEIVED  
AUG 2 3 2010  
KCC WICHITA**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Assoc. Inc.

Jacobs#1-34

1515 Wynkoop, Ste. 700  
Denver Co. 80202

34-15s-17w Ellis KS

Job Ticket: 36878

DST#: 1

ATTN: Tom Fertal

Test Start: 2010.05.01 @ 20:02:59

## GENERAL INFORMATION:

Formation: **Topeka**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:25:14

Time Test Ended: 02:22:59

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **2910.00 ft (KB) To 2945.00 ft (KB) (TVD)**

Reference Elevations: 1901.00 ft (KB)

Total Depth: 2945.00 ft (KB) (TVD)

1893.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 8167** Inside

Press@RunDepth: 41.28 psig @ 2911.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.01

End Date:

2010.05.02

Last Calib.: 2010.05.02

Start Time: 20:03:04

End Time:

02:22:58

Time On Btm: 2010.05.01 @ 21:24:59

Time Off Btm: 2010.05.02 @ 00:41:14

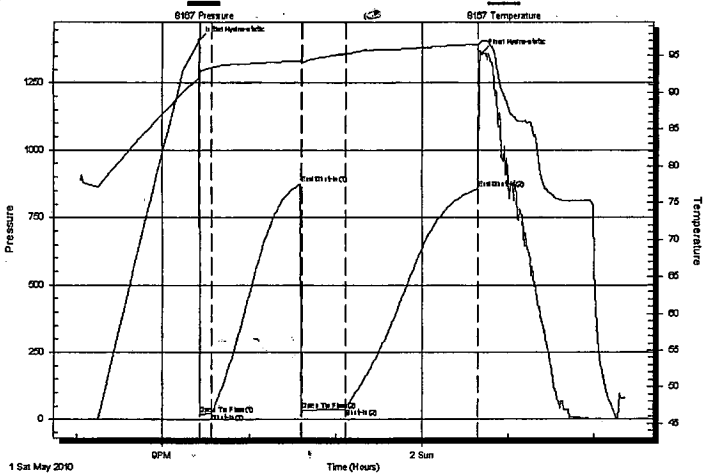
TEST COMMENT: IF: Strong blow . B.O.B. in 6 mins.

ISI: No blow .

FF: Strong blow . B.O.B. in 3 secs.

FSI: No blow .

Pressure vs. Time



## PRESSURE SUMMARY

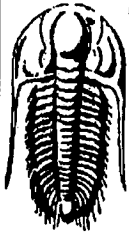
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1408.97	92.00	Initial Hydro-static
1	19.55	92.76	Open To Flow (1)
10	24.20	93.32	Shut-In(1)
71	875.60	94.28	End Shut-In(1)
72	34.51	93.98	Open To Flow (2)
102	41.28	95.23	Shut-In(2)
194	856.98	96.48	End Shut-In(2)
197	1359.85	96.92	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
80.00	GOCM 20%g 23%o 57%m	1.12
0.00	1825 ft. of GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Samuel Gary Jr. & Assoc. Inc.

**Jacobs#1-34**

1515 Wynkoop, Ste. 700  
Denver Co. 80202

**34-15s-17w Ellis KS**

Job Ticket: 36878

**DST#: 1**

ATTN: Tom Fertal

Test Start: 2010.05.01 @ 20:02:59

**Tool Information**

Drill Pipe:	Length: 2906.00 ft	Diameter: 3.80 inches	Volume: 40.76 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 40.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	2910.00 ft			Final 33000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2883.00	
Shut in tool	5.00			2888.00	
HMV	5.00			2893.00	
JarS'	5.00			2898.00	
Safety Joint	3.00			2901.00	
Packer	4.00			2905.00	28.00 Bottom Of Top Packer
Packer	5.00			2910.00	
Stubb	1.00			2911.00	
Recorder	0.00	8167	Inside	2911.00	
Recorder	0.00	8370	Outside	2911.00	
Perforations	29.00			2940.00	
Bullnose	5.00			2945.00	35.00 Bottom Packers & Anchor

**Total Tool Length: 63.00**



**TRILOBITE  
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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Samuel Gary Jr. & Assoc. Inc.

**Jacobs#1-34**

1515 Wynkoop, Ste. 700  
Denver Co. 80202

**34-15s-17w Ellis KS**

Job Ticket: 36878

**DST#: 1**

ATTN: Tom Fertal

Test Start: 2010.05.01 @ 20:02:59

**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:

4200 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 0.20 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
80.00	GOCM 20%g 23%o 57%m	1.122
0.00	1825 ft. of GIP	0.000

Total Length:

80.00 ft

Total Volume:

1.122 bbl

Num Fluid Samples: 0

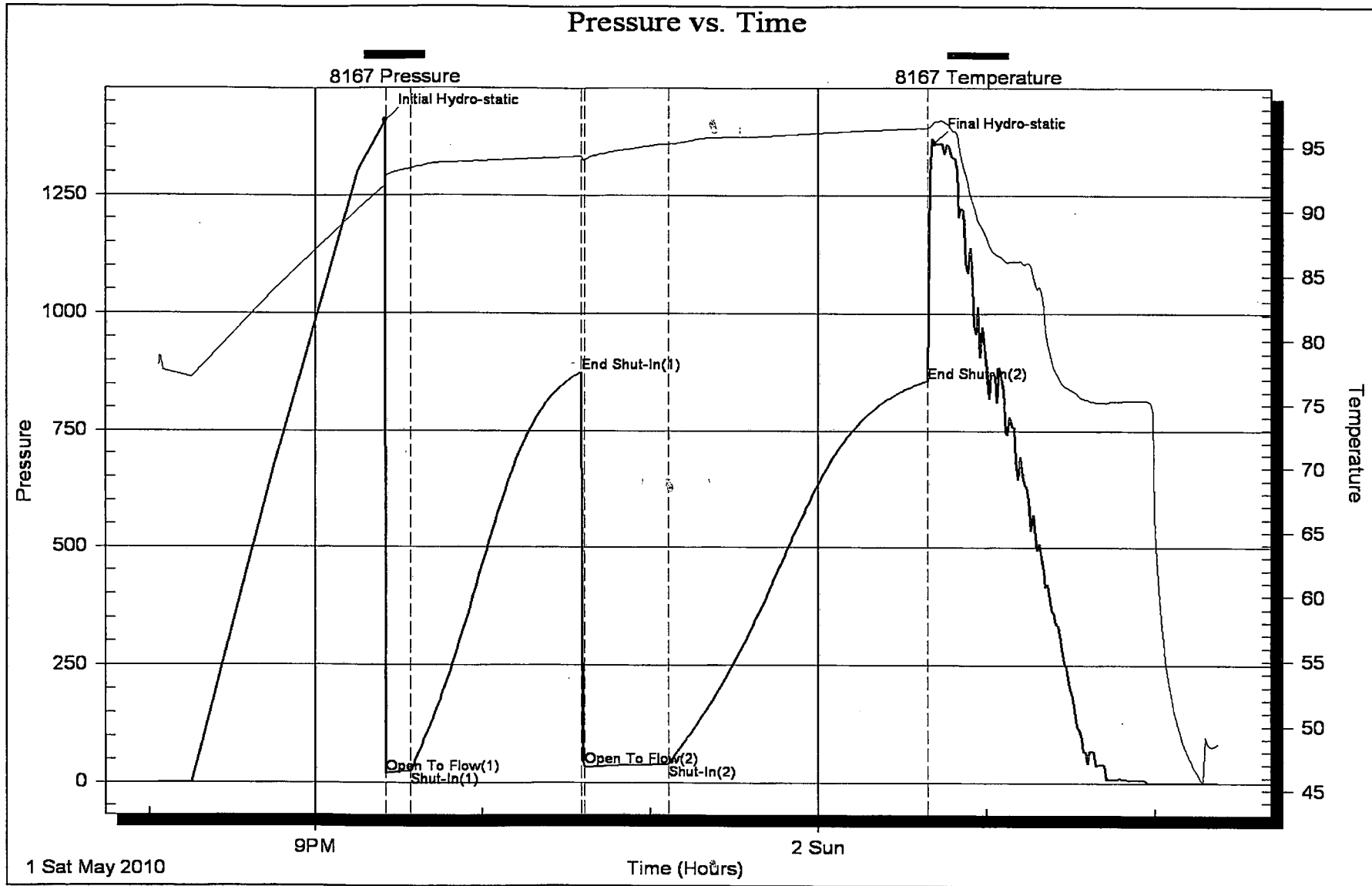
Num Gas Bombs: 0

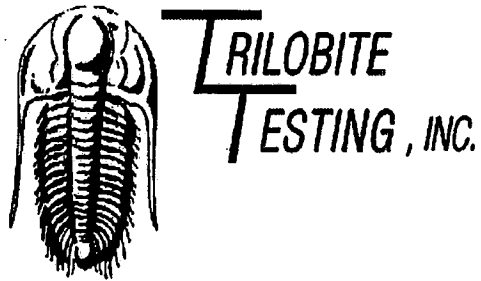
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

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

1515 Wynkoop, Ste. 700  
Denver Co. 80202

ATTN: Tom Fertal

**34-15s-17w Ellis KS**

**Jacobs#1-34**

Start Date: 2010.05.03 @ 00:27:58

End Date: 2010.05.03 @ 06:29:43

Job Ticket #: 36879                      DST #: 2

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2010.05.14 @ 13:34:51 Page 1

Samuel Gary Jr. & Assoc. Inc.

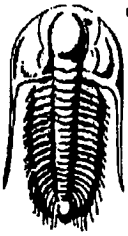
Jacobs#1-34

34-15s-17w Ellis KS

DST # 2

Lans. C - D

2010.05.03



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Assoc. Inc.

**Jacobs#1-34**

1515 Wynkoop, Ste. 700  
Denver Co. 80202

**34-15s-17w Ellis KS**

Job Ticket: 36879

**DST#: 2**

ATTN: Tom Fertal

Test Start: 2010.05.03 @ 00:27:58

## GENERAL INFORMATION:

Formation: **Lans. C - D**

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

Time Tool Opened: 02:16:13

Time Test Ended: 06:29:43

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **39**

Interval: **3216.00 ft (KB) To 3263.00 ft (KB) (TVD)**

Reference Elevations: **1901.00 ft (KB)**

Total Depth: **3263.00 ft (KB) (TVD)**

**1893.00 ft (CF)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

KB to GR/CF: **8.00 ft**

**Serial #: 8167**

**Inside**

Press@RunDepth: **24.46 psig @ 3217.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.05.03**

End Date:

**2010.05.03**

Last Calib.: **2010.05.03**

Start Time: **00:28:03**

End Time:

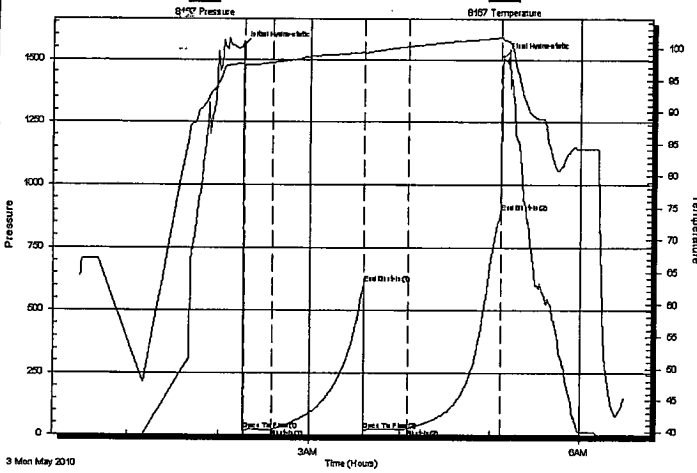
**06:29:42**

Time On Btm: **2010.05.03 @ 02:15:13**

Time Off Btm: **2010.05.03 @ 05:08:12**

TEST COMMENT: IF:Weak blow . 1/2 - 1".  
IS:No blow .  
FF:Weak blow . 1 - 1 1/2".  
FS:No blow .

Pressure vs. Time



## PRESSURE SUMMARY

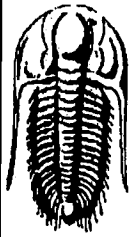
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1553.21	97.61	Initial Hydro-static
1	20.49	97.27	Open To Flow (1)
20	20.95	97.74	Shut-In(1)
81	609.86	99.36	End Shut-In(1)
81	19.26	99.24	Open To Flow (2)
110	24.46	100.28	Shut-In(2)
172	891.18	101.66	End Shut-In(2)
173	1511.92	101.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	GOCM6%g 7%o 87%m	0.21
0.00	50 ft. of GIP	0.00

## Gas Rates

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



**TRILOBITE**  
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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Samuel Gary Jr. & Assoc. Inc.

**Jacobs#1-34**

1515 Wynkoop, Ste. 700  
Denver Co. 80202

**34-15s-17w Ellis KS**

Job Ticket: 36879

**DST#: 2**

ATTN: Tom Fertal

Test Start: 2010.05.03 @ 00:27:58

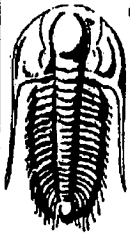
**Tool Information**

Drill Pipe:	Length: 3190.00 ft	Diameter: 3.80 inches	Volume: 44.75 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 44.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	2.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3216.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	75.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

**Tool Description                      Length (ft)    Serial No.    Position    Depth (ft)    Accum. Lengths**

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3189.00	
Shut in tool	5.00			3194.00	
HMV	5.00			3199.00	
Jars	5.00			3204.00	
Safety Joint	3.00			3207.00	
Packer	4.00			3211.00	28.00      Bottom Of Top Packer
Packer	5.00			3216.00	
Stubb	1.00			3217.00	
Recorder	0.00	8167	Inside	3217.00	
Recorder	0.00	8370	Outside	3217.00	
Perforations	41.00			3258.00	
Bullnose	5.00			3263.00	47.00      Bottom Packers & Anchor

**Total Tool Length:    75.00**



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**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Samuel Gary Jr. & Assoc. Inc.

**Jacobs#1-34**

1515 Wynkoop, Ste. 700  
Denver Co. 80202

**34-15s-17w Ellis KS**

Job Ticket: 36879

**DST#: 2**

ATTN: Tom Fertal

Test Start: 2010.05.03 @ 00:27:58

**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:

7000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.37 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 0.20 inches

**Recovery Information**

**Recovery Table**

Length ft	Description	Volume bbl
15.00	GOCM 6%g 7%o 87%m	0.210
0.00	50 ft. of GIP	0.000

Total Length:

15.00 ft

Total Volume:

0.210 bbl

Num Fluid Samples: 0

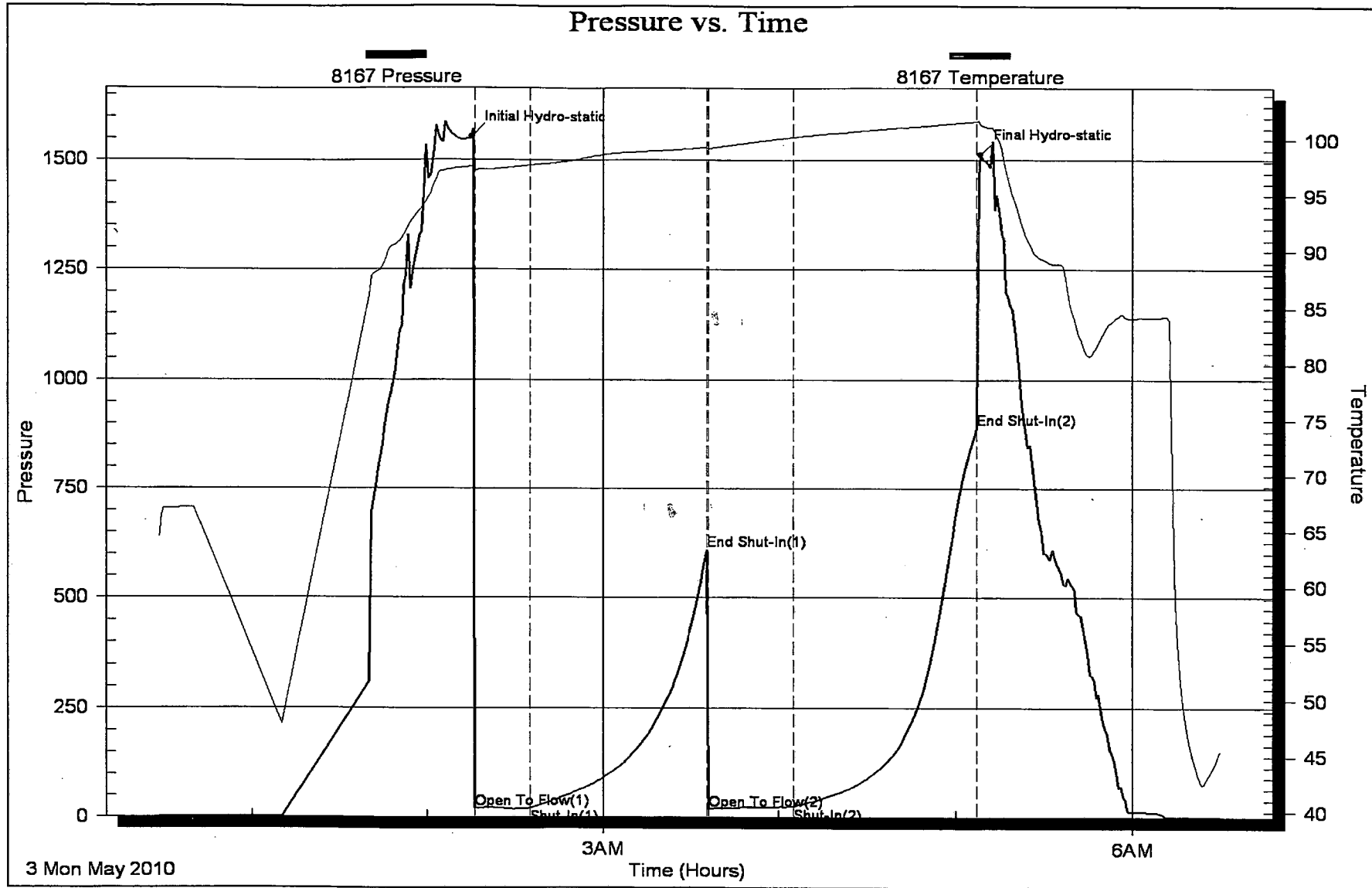
Num Gas Bombs: 0

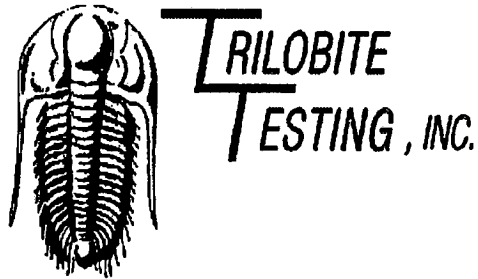
Serial #: none

Laboratory Name:

Laboratory Location: -

Recovery Comments:





## DRILL STEM TEST REPORT

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

1515 Wynkoop, Ste. 700  
Denver Co. 80202

ATTN: Tom Fertal

**34-15s-17w Ellis KS**

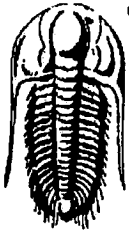
**Jacobs#1-34**

Start Date: 2010.05.03 @ 14:27:12

End Date: 2010.05.03 @ 21:30:12

Job Ticket #: 36880                      DST #: 3

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Samuel Gary Jr. & Assoc. Inc.

**Jacobs#1-34**

1515 Wynkoop, Ste. 700  
Denver Co. 80202

**34-15s-17w Ellis KS**

Job Ticket: 36880

**DST#: 3**

ATTN: Tom Fertal

Test Start: 2010.05.03 @ 14:27:12

### GENERAL INFORMATION:

Formation: **Lans. F & G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:52:42

Time Test Ended: 21:30:12

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3262.00 ft (KB) To 3289.00 ft (KB) (TVD)**

Reference Elevations: 1901.00 ft (KB)

Total Depth: 3289.00 ft (KB) (TVD)

1893.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 8167**

Inside

Press@RunDepth: 26.45 psig @ 3263.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.03

End Date:

2010.05.03

Last Calib.: 2010.05.03

Start Time: 14:27:17

End Time:

21:30:11

Time On Btm: 2010.05.03 @ 15:48:57

Time Off Btm: 2010.05.03 @ 19:55:56

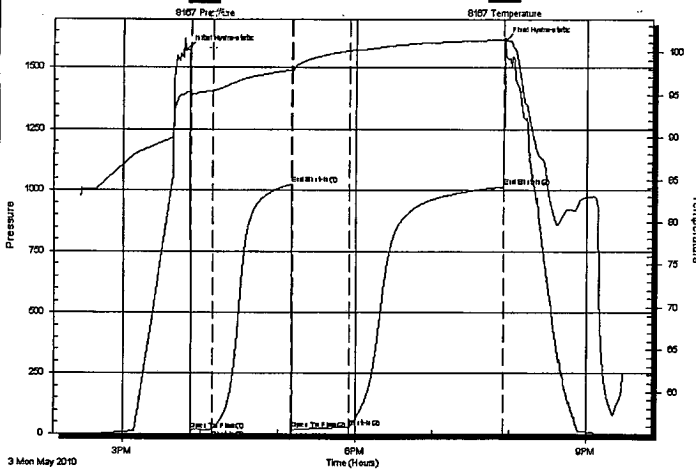
TEST COMMENT: IF:Weak blow . 1/2 - 2 1/2".

ISI:No blow .

FF:Fair to strong blow . B.O.B. in 21 mins.

FSI:Weak blow . 1/4" Dead in 20 mins.

Pressure vs. Time



### PRESSURE SUMMARY

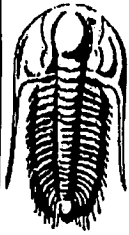
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1573.39	95.17	Initial Hydro-static
4	16.58	94.76	Open To Flow (1)
21	16.93	95.49	Shut-In(1)
82	1025.13	97.90	End Shut-In(1)
82	18.79	97.66	Open To Flow (2)
126	26.45	100.15	Shut-In(2)
246	1015.18	101.45	End Shut-In(2)
247	1609.16	101.66	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
35.00	W&MCO 26%w 36%m 38%o	0.49
0.00	335 ft. of GIP	0.00

### Gas Rates

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



**TRILOBITE**  
TESTING, INC

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Samuel Gary Jr. & Assoc. Inc.

**Jacobs#1-34**

1515 Wynkoop, Ste. 700,  
Denver Co. 80202

**34-15s-17w Ellis KS**

Job Ticket: 36880

**DST#: 3**

ATTN: Tom Fertal

Test Start: 2010.05.03 @ 14:27:12

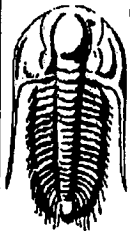
**Tool Information**

Drill Pipe:	Length: 3255.00 ft	Diameter: 3.80 inches	Volume: 45.66 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 40000.00 lb
			<u>Total Volume: 45.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3262.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

C.O. Sub	1.00			3235.00	
Shut in tool	5.00			3240.00	
HMV	5.00			3245.00	
Jars	5.00			3250.00	
Safety Joint	3.00			3253.00	
Packer	4.00			3257.00	28.00 Bottom Of Top Packer
Packer	5.00			3262.00	
Stubb	1.00			3263.00	
Recorder	0.00	8167	Inside	3263.00	
Recorder	0.00	8370	Outside	3263.00	
Perforations	21.00			3284.00	
Bullnose	5.00			3289.00	27.00 Bottom Packers & Anchor

**Total Tool Length: 55.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Samuel Gary Jr. & Assoc. Inc.

**Jacobs#1-34**

1515 Wynkoop, Ste. 700  
Denver Co. 80202

**34-15s-17w Ellis KS**

Job Ticket: 36880

**DST#: 3**

ATTN: Tom Fertal

Test Start: 2010.05.03 @ 14:27:12

**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:

8000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.18 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
35.00	W&MCO 26%w 36%m 38%o	0.491
0.00	335 ft. of GIP	0.000

Total Length: 35.00 ft

Total Volume: 0.491 bbl

Num Fluid Samples: 0

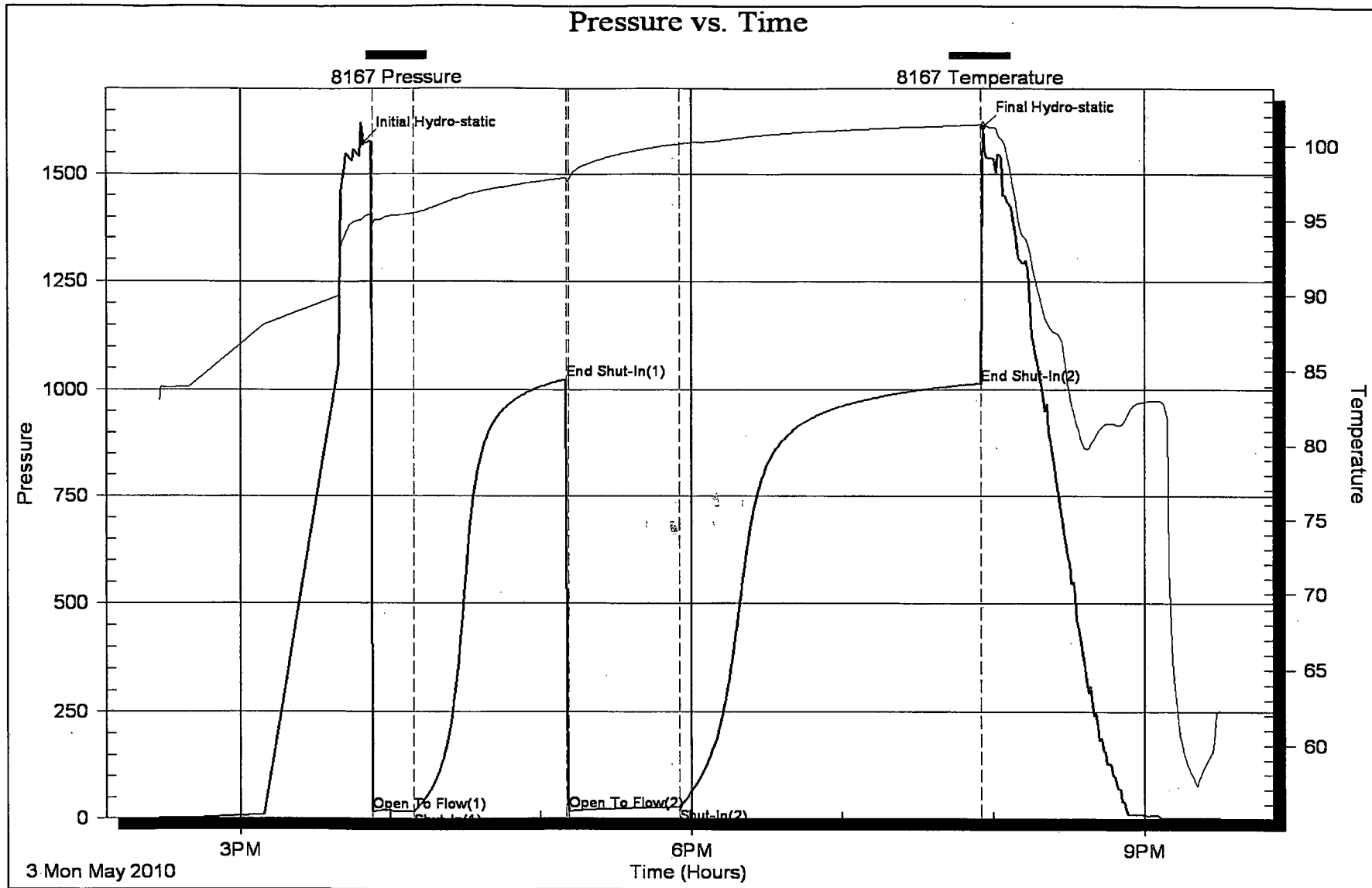
Num Gas Bombs: 0

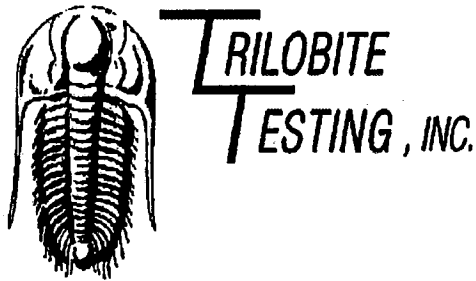
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





## DRILL STEM TEST REPORT

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

1515 Wynkoop, Ste. 700  
Denver Co. 80202

ATTN: Tom Fertal

**34-15s-17w Ellis KS**

**Jacobs#1-34**

Start Date: 2010.05.04 @ 22:52:35

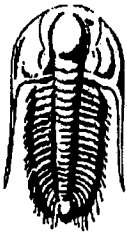
End Date: 2010.05.05 @ 07:10:20

Job Ticket #: 36881                      DST #: 4

Trilobite Testing, Inc.

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr. & Assoc. Inc.

**Jacobs#1-34**

1515 Wynkoop, Ste. 700  
Denver Co. 80202

**34-15s-17w Ellis KS**

Job Ticket: 36881

**DST#: 4**

ATTN: Tom Fertal

Test Start: 2010.05.04 @ 22:52:35

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:14:35

Time Test Ended: 07:10:20

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3496.00 ft (KB) To 3505.00 ft (KB) (TVD)**

Reference Elevations: 1901.00 ft (KB)

Total Depth: 3505.00 ft (KB) (TVD)

1893.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 8167** Inside

Press@RunDepth: 110.72 psig @ 3497.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.04

End Date: 2010.05.05

Last Calib.: 2010.05.05

Start Time: 22:52:40

End Time: 07:10:19

Time On Btm: 2010.05.05 @ 00:12:05

Time Off Btm: 2010.05.05 @ 05:35:20

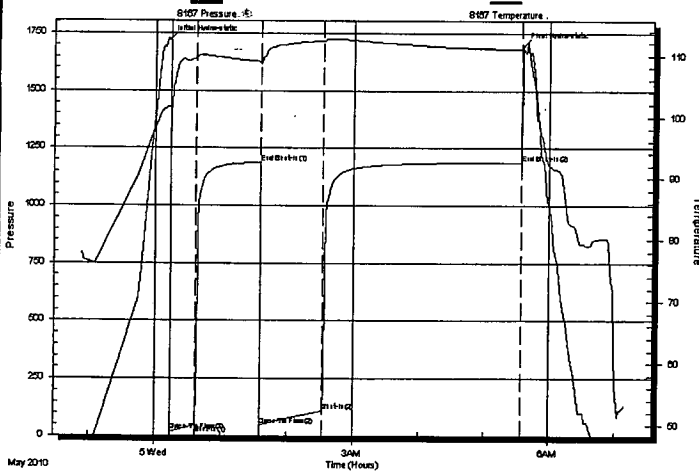
**TEST COMMENT:** IF: Fair blow . Slow increase to 6".

IS: No blow .

FF: Fair to strong blow . B.O.B. in 49 mins.

FS: No blow .

Pressure vs. Time



## PRESSURE SUMMARY

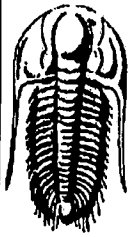
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.87	101.67	Initial Hydro-static
3	19.87	101.16	Open To Flow (1)
24	45.46	109.64	Shut-In(1)
83	1189.18	109.03	End Shut-In(1)
84	47.80	108.70	Open To Flow (2)
141	110.72	112.27	Shut-In(2)
323	1190.09	110.99	End Shut-In(2)
324	1694.17	111.04	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
20.00	Clean oil	0.28
62.00	MW /w o specs 9% m 91% w	0.87
125.00	SW / Rw .20 ohms @ 55 deg	1.75

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Samuel Gary Jr. & Assoc. Inc.

**Jacobs#1-34**

1515 Wynkoop, Ste. 700  
Denver Co. 80202

**34-15s-17w Ellis KS**

Job Ticket: 36881

**DST#: 4**

ATTN: Tom Fertal

Test Start: 2010.05.04 @ 22:52:35

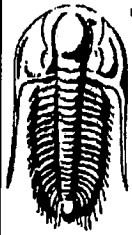
## Tool Information

Drill Pipe:	Length: 3475.00 ft	Diameter: 3.80 inches	Volume: 48.75 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 48.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 34000.00 lb
Depth to Top Packer:	3496.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			3469.00	
Shut in tool	5.00			3474.00	
HMV	5.00			3479.00	
Jars	5.00			3484.00	
Safety Joint	3.00			3487.00	
Packer	4.00			3491.00	28.00 Bottom Of Top Packer
Packer	5.00			3496.00	
Stubb	1.00			3497.00	
Recorder	0.00	8167	Inside	3497.00	
Recorder	0.00	8370	Outside	3497.00	
Perforations	3.00			3500.00	
Bullnose	5.00			3505.00	9.00 Bottom Packers & Anchor

**Total Tool Length: 37.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Samuel Gary Jr. & Assoc. Inc.

**Jacobs#1-34**

1515 Wynkoop, Ste. 700  
Denver Co. 80202

**34-15s-17w Ellis KS**

Job Ticket: 36881

**DST#: 4**

ATTN: Tom Fertal

Test Start: 2010.05.04 @ 22:52:35

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

33.3 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

48000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8500.00 ppm

Filter Cake: 0.20 inches

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
20.00	Clean oil	0.281
62.00	MW /w o specs 9% m 91% w	0.870
125.00	SW / Rw .20 ohms @ 55 deg	1.753

Total Length:

207.00 ft

Total Volume:

2.904 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

