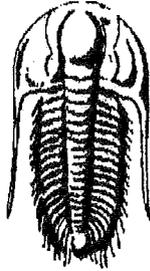


15-159-22597

5-19s-9w

RD



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gilbert & Stewart Oper.LLC**

801 Broadway Ste.450
Denver Co.80202

ATTN: Adam Kennedy

5-19s-9w Rice KS

Lincoln#1

Start Date: 2009.10.03 @ 16:39:16

End Date: 2009.10.03 @ 21:53:16

Job Ticket #: 35702 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Gilbert & Stewart Oper.LLC

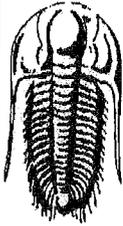
Lincoln#1

5-19s-9w Rice KS

DST # 1

LKC A - D

2009.10.03



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

ATTN: Adam Kennedy

Job Ticket: 35702

DST#: 1

Test Start: 2009.10.03 @ 16:39:16

GENERAL INFORMATION:

Formation: **LKC A - D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:51:46

Time Test Ended: 21:53:16

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **2874.00 ft (KB) To 2942.00 ft (KB) (TVD)**

Total Depth: 2942.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1711.00 ft (KB)

1703.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **8167**

Inside

Press@RunDepth: 25.19 psig @ 2875.00 ft (KB)

Start Date: 2009.10.03

End Date:

2009.10.03

Capacity: 8000.00 psig

Last Calib.: 2009.10.03

Start Time: 16:39:21

End Time:

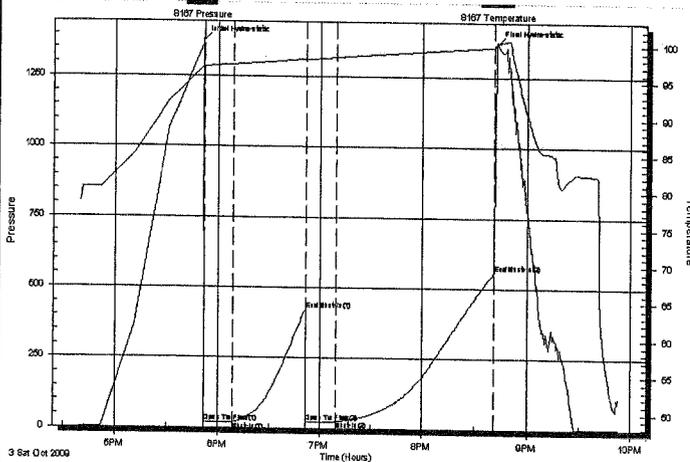
21:53:15

Time On Btm: 2009.10.03 @ 17:51:31

Time Off Btm: 2009.10.03 @ 20:42:46

TEST COMMENT: IF:Weak blow.(surface) Dead in 7 mins.
IS:No blow.
FF:No blow.
FS:No blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1376.42	97.27	Initial Hydro-static
1	18.92	96.92	Open To Flow (1)
17	20.02	97.29	Shut-In(1)
61	423.17	98.08	End Shut-In(1)
61	22.35	97.99	Open To Flow (2)
79	25.19	98.30	Shut-In(2)
170	556.60	99.80	End Shut-In(2)
172	1369.02	100.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/ oil specs (good oder)	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35702

DST#: 1

ATTN: Adam Kennedy

Test Start: 2009.10.03 @ 16:39:16

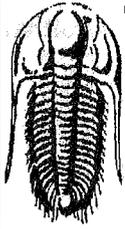
Tool Information

Drill Pipe:	Length: 2873.00 ft	Diameter: 3.80 inches	Volume: 40.30 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: 55000.00 lb
			Total Volume: 40.30 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2874.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	96.00 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			2847.00	
Shut In Tool	5.00			2852.00	
Hydraulic tool	5.00			2857.00	
Jars	5.00			2862.00	
Safety Joint	3.00			2865.00	
Packer	4.00			2869.00	28.00 Bottom Of Top Packer
Packer	5.00			2874.00	
Stubb	1.00			2875.00	
Recorder	0.00	8167	Inside	2875.00	
Recorder	0.00	8370	Inside	2875.00	
Perforations	5.00			2880.00	
Change Over Sub	1.00			2881.00	
Blank Spacing	32.00			2913.00	
Change Over Sub	1.00			2914.00	
Perforations	23.00			2937.00	
Bullnose	5.00			2942.00	68.00 Bottom Packers & Anchor
Total Tool Length:	96.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35702

DST#: 1

ATTN: Adam Kennedy

Test Start: 2009.10.03 @ 16:39:16

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.76 in³

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
5.00	Mud w / oil specs (good oder)	0.070

Total Length:

5.00 ft

Total Volume:

0.070 bbl

Num Fluid Samples: 0

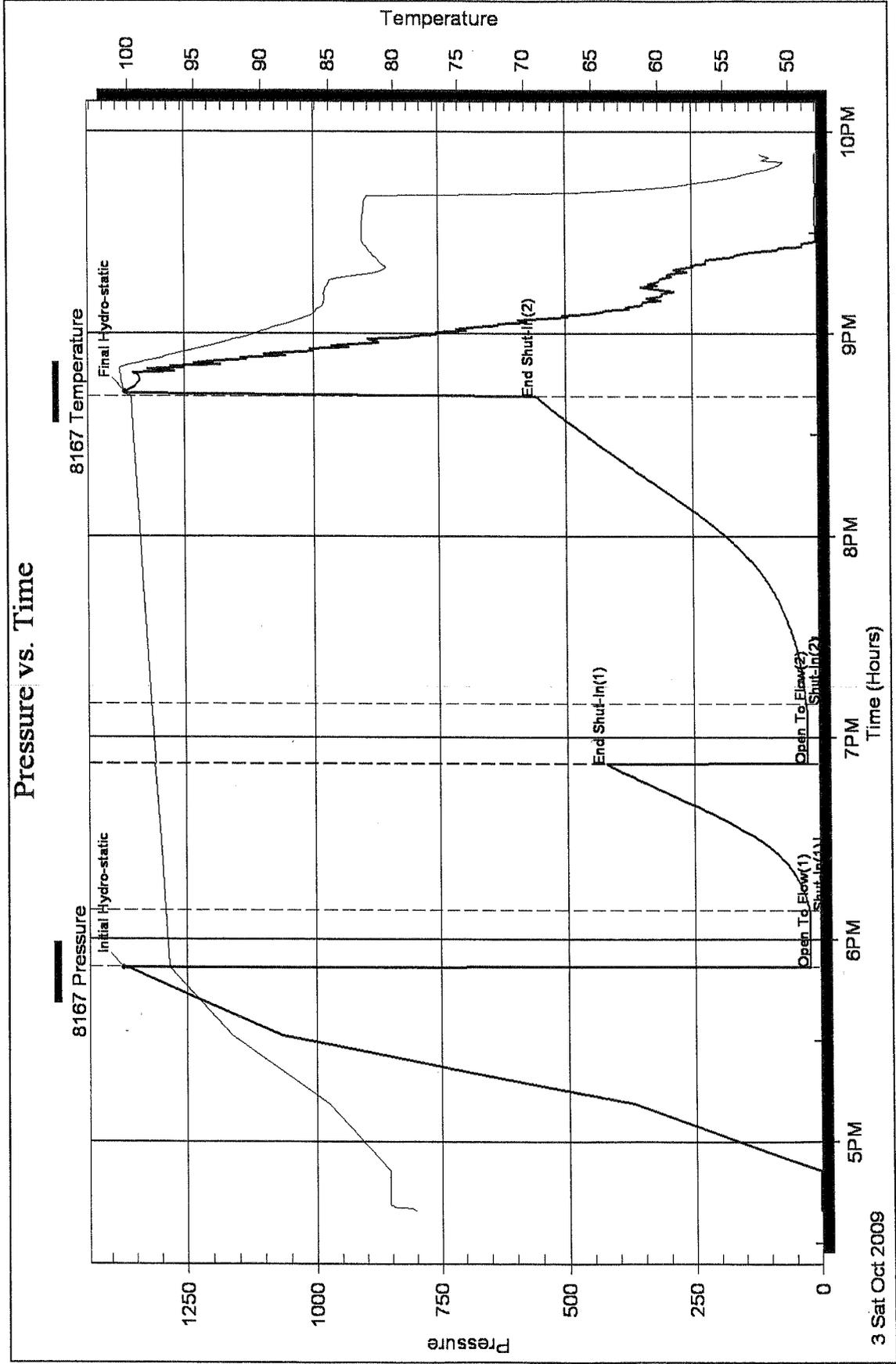
Num Gas Bombs: 0

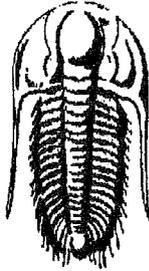
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gilbert & Stewart Oper.LLC**

801 Broadway Ste.450
Denver Co.80202

ATTN: Adam Kennedy

5-19s-9w Rice KS

Lincoln#1

Start Date: 2009.10.04 @ 08:21:11

End Date: 2009.10.04 @ 14:22:11

Job Ticket #: 35703 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Gilbert & Stewart Oper.LLC

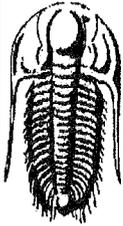
Lincoln#1

5-19s-9w Rice KS

DST # 2

LKC G

2009.10.04



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

ATTN: Adam Kennedy

Job Ticket: 35703

DST#: 2

Test Start: 2009.10.04 @ 08:21:11

GENERAL INFORMATION:

Formation: **LKC G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:05:11

Time Test Ended: 14:22:11

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **2976.00 ft (KB) To 2992.00 ft (KB) (TVD)**

Reference Elevations: 1711.00 ft (KB)

Total Depth: 2992.00 ft (KB) (TVD)

1703.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: **8167**

Inside

Press@RunDepth: 21.66 psig @ 2977.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2009.10.04

End Date:

2009.10.04

Last Calib.: 2009.10.04

Start Time: 08:21:16

End Time:

14:22:10

Time On Btm: 2009.10.04 @ 10:03:56

Time Off Btm: 2009.10.04 @ 12:58:10

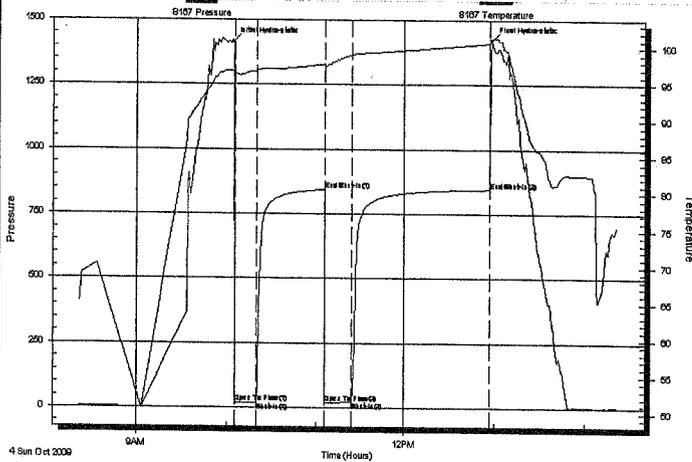
TEST COMMENT: IF:Weak blow . 1/2 - 3/4".

IS:No blow .

FF:No blow .

FSI:No blow .

Pressure vs. Time



PRESSURE SUMMARY

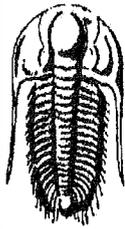
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1414.74	96.80	Initial Hydro-static
2	18.24	96.25	Open To Flow (1)
16	18.88	96.84	Shut-In (1)
62	843.46	97.77	End Shut-In(1)
62	19.65	97.32	Open To Flow (2)
80	21.66	99.05	Shut-In(2)
174	844.92	100.67	End Shut-In(2)
175	1423.16	101.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	WM 36%w 64%mv Rw.12 ohms@69 deg 0.42	

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35703

DST#: 2

ATTN: Adam Kennedy

Test Start: 2009.10.04 @ 08:21:11

Tool Information

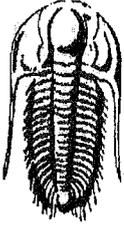
Drill Pipe:	Length: 2969.00 ft	Diameter: 3.80 inches	Volume: 41.65 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 53000.00 lb
			<u>Total Volume: 41.65 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2976.00 ft			Final 40000.00 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:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2949.00	
Shut In Tool	5.00			2954.00	
Hydraulic tool	5.00			2959.00	
Jars	5.00			2964.00	
Safety Joint	3.00			2967.00	
Packer	4.00			2971.00	28.00 Bottom Of Top Packer
Packer	5.00			2976.00	
Stubb	1.00			2977.00	
Recorder	0.00	8167	Inside	2977.00	
Recorder	0.00	8370	Inside	2977.00	
Perforations	10.00			2987.00	
Bullnose	5.00			2992.00	16.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35703

DST#: 2

ATTN: Adam Kennedy

Test Start: 2009.10.04 @ 08:21:11

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 59.00 sec/qt

Water Loss: 7.97 in³

Resistivity: 0.00 ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 67000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	WM 36%w 64%mv Rw .12 ohms@69 deg	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

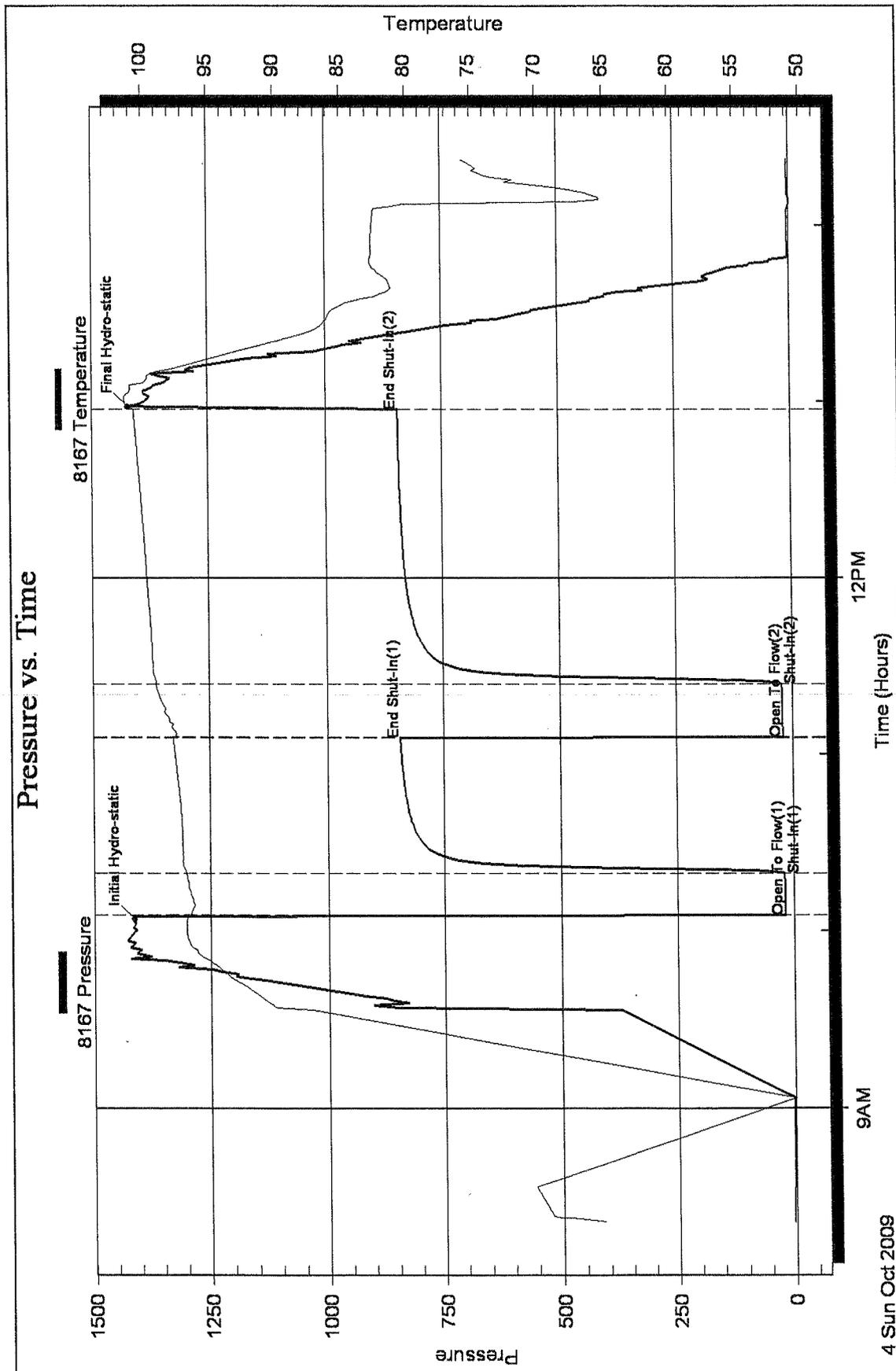
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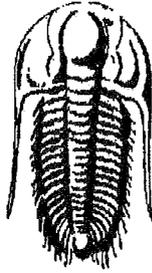
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gilbert & Stewart Oper.LLC**

801 Broadway Ste.450
Denver Co.80202

ATTN: Adam Kennedy

5-19s-9w Rice KS

Lincoln#1

Start Date: 2009.10.05 @ 00:20:32

End Date: 2009.10.05 @ 06:39:47

Job Ticket #: 35704 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

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35704

DST#: 3

ATTN: Adam Kennedy

Test Start: 2009.10.05 @ 00:20:32

GENERAL INFORMATION:

Formation: **LKC H - I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:09:17

Time Test Ended: 06:39:47

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3020.00 ft (KB) To 3075.00 ft (KB) (TVD)**

Total Depth: 3075.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1711.00 ft (KB)

1703.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8167 Inside

Press@RunDepth: 18.89 psig @ 3021.00 ft (KB)

Start Date: 2009.10.05

End Date: 2009.10.05

Capacity: 8000.00 psig

Start Time: 00:20:37

End Time: 06:39:46

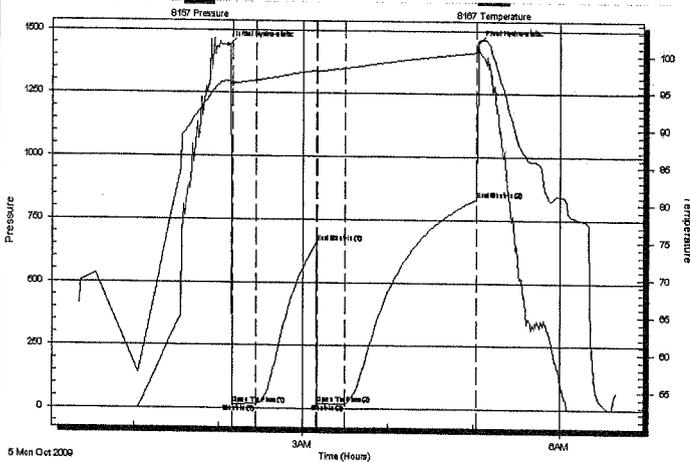
Last Calib.: 2009.10.05

Time On Btm: 2009.10.05 @ 02:06:47

Time Off Btm: 2009.10.05 @ 05:03:31

TEST COMMENT: IF:Weak blow . 1/2".
IS:No blow .
FF:Weak blow . 1/4" or less.
FS:No blow .

Pressure vs. Time



PRESSURE SUMMARY

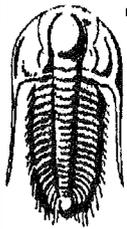
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1438.02	96.50	Initial Hydro-static
3	17.70	95.80	Open To Flow (1)
20	17.22	96.56	Shut-In(1)
63	657.22	97.94	End Shut-In(1)
63	18.93	97.81	Open To Flow (2)
83	18.89	98.24	Shut-In(2)
176	831.97	100.42	End Shut-In(2)
177	1450.29	102.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig.mud	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35704

DST#: 3

ATTN: Adam Kennedy

Test Start: 2009.10.05 @ 00:20:32

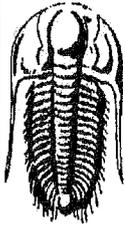
Tool Information

Drill Pipe:	Length: 3002.00 ft	Diameter: 3.80 inches	Volume: 42.11 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: 81000.00 lb
			<u>Total Volume: 42.11 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3020.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	55.00 ft			
Tool Length:	83.00 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			2993.00	
Shut In Tool	5.00			2998.00	
Hydraulic tool	5.00			3003.00	
Jars	5.00			3008.00	
Safety Joint	3.00			3011.00	
Packer	4.00			3015.00	28.00 Bottom Of Top Packer
Packer	5.00			3020.00	
Stubb	1.00			3021.00	
Recorder	0.00	8167	Inside	3021.00	
Recorder	0.00	8370	Inside	3021.00	
Perforations	1.00			3022.00	
Change Over Sub	1.00			3023.00	
Blank Spacing	31.00			3054.00	
Change Over Sub	1.00			3055.00	
Perforations	15.00			3070.00	
Bullnose	5.00			3075.00	55.00 Bottom Packers & Anchor
Total Tool Length:	83.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35704

DST#: 3

ATTN: Adam Kennedy

Test Start: 2009.10.05 @ 00:20:32

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 7.98 in³

Resistivity: 0.00 ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: 6000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Drig.mud	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

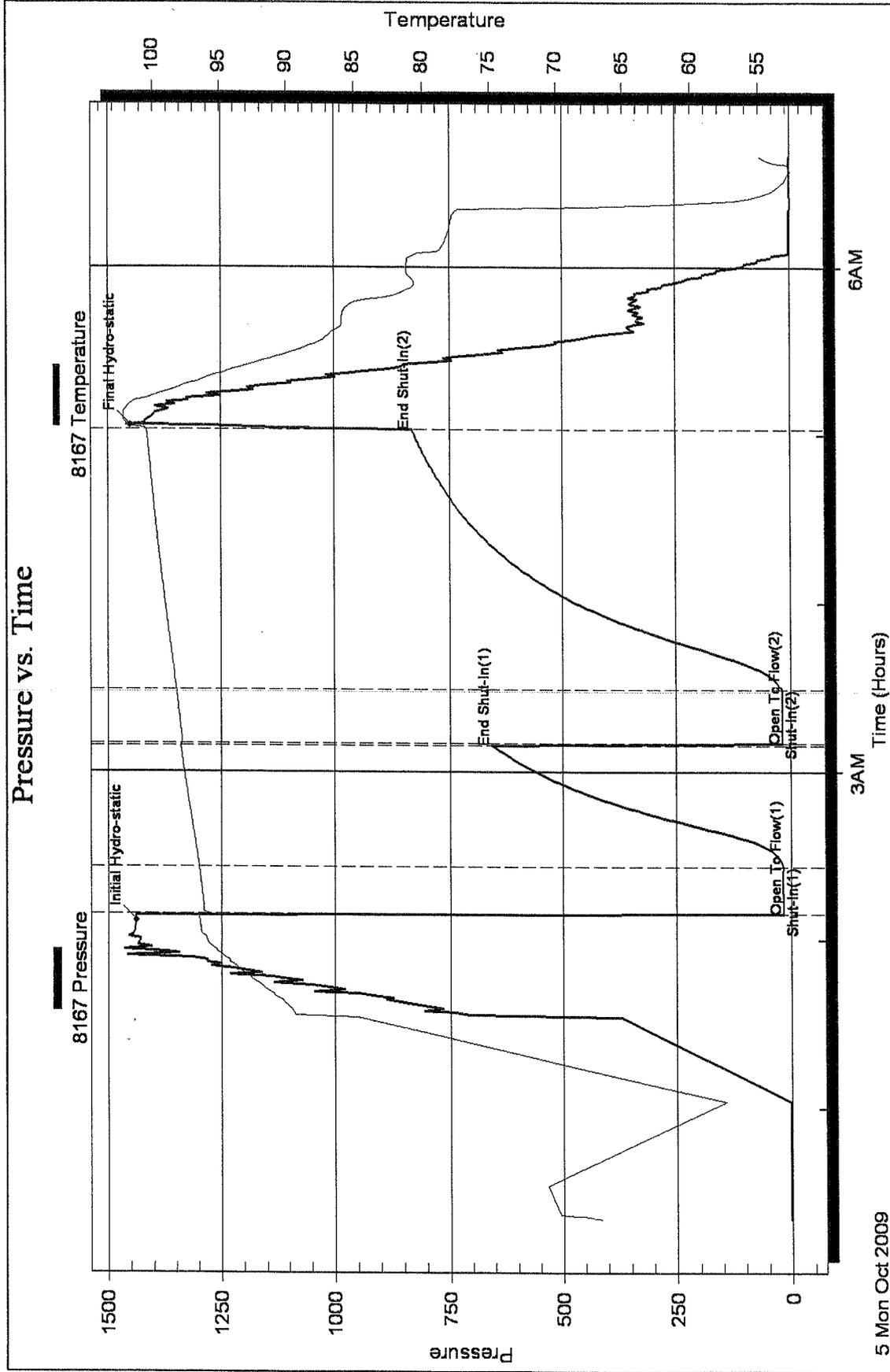
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

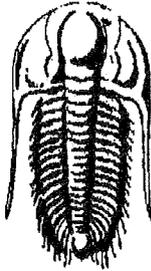
Pressure vs. Time



5 Mon Oct 2009

6AM

3AM



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gilbert & Stewart Oper.LLC**

801 Broadway Ste.450
Denver Co.80202

ATTN: Adam Kennedy

5-19s-9w Rice KS

Lincoln#1

Start Date: 2009.10.05 @ 22:35:54

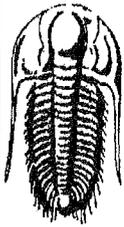
End Date: 2009.10.06 @ 08:17:54

Job Ticket #: 35705 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

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35705

DST#: 4

ATTN: Adam Kennedy

Test Start: 2009.10.05 @ 22:35:54

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:14:39

Time Test Ended: 08:17:54

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3160.00 ft (KB) To 3244.00 ft (KB) (TVD)**

Total Depth: 3244.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1711.00 ft (KB)

1703.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 757.20 psig @ 3161.00 ft (KB)

Start Date: 2009.10.05

End Date:

2009.10.06

Capacity: 8000.00 psig

Start Time: 22:35:59

End Time:

08:17:54

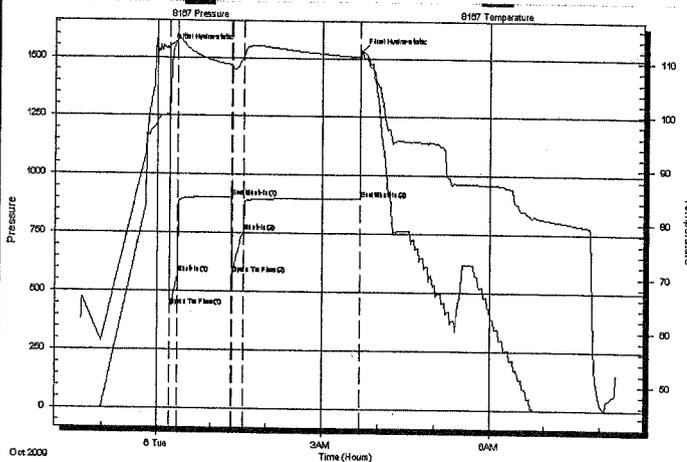
Last Calib.: 2009.10.06

Time On Btm: 2009.10.06 @ 00:12:54

Time Off Btm: 2009.10.06 @ 03:41:08

TEST COMMENT: IF:Strong blow . B.O.B. in 15 secs.
IS:Weak blow . 1/2 - 2".
FF:Strong blow . B.O.B. in 15 secs.
FSI:Weak blow . 1 - 4".

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1540.14	99.97	Initial Hydro-static
2	436.65	99.77	Open To Flow (1)
11	577.67	113.78	Shut-In(1)
70	904.50	109.33	End Shut-In(1)
71	575.45	109.18	Open To Flow(2)
83	757.20	110.74	Shut-In(2)
207	899.51	110.89	End Shut-In(2)
209	1527.37	111.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GOCM 24%g 226%o 50%m	1.75
315.00	GMCO 35%g 25%m 40%o	4.42
1600.00	CGO 20%g 80%o	22.44
0.00	380 ft of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35705

DST#: 4

ATTN: Adam Kennedy

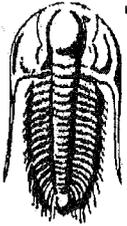
Test Start: 2009.10.05 @ 22:35:54

Tool Information

Drill Pipe:	Length: 3164.00 ft	Diameter: 3.80 inches	Volume: 44.38 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:	77000.00 lb
			<u>Total Volume: 44.38 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3160.00 ft			Final	51000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	84.00 ft				
Tool Length:	112.00 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			3133.00	
Shut In Tool	5.00			3138.00	
Hydraulic tool	5.00			3143.00	
Jars	5.00			3148.00	
Safety Joint	3.00			3151.00	
Packer	4.00			3155.00	28.00 Bottom Of Top Packer
Packer	5.00			3160.00	
Stubb	1.00			3161.00	
Recorder	0.00	8167	inside	3161.00	
Recorder	0.00	8370	inside	3161.00	
Perforations	3.00			3164.00	
Change Over Sub	1.00			3165.00	
Blank Spacing	63.00			3228.00	
Change Over Sub	1.00			3229.00	
Perforations	10.00			3239.00	
Bullnose	5.00			3244.00	84.00 Bottom Packers & Anchor
Total Tool Length:	112.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35705

DST#: 4

ATTN: Adam Kennedy

Test Start: 2009.10.05 @ 22:35:54

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 7.97 in³

Resistivity: 0.00 ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

40 deg API

Water Salinity:

6000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	GOCM 24%g 226%o 50%m	1.753
315.00	GMCO 35%g 25%m 40%o	4.419
1600.00	CGO 20%g 80%o	22.444
0.00	380 ft of GIP	0.000

Total Length: 2040.00 ft

Total Volume: 28.616 bbl

Num Fluid Samples: 0

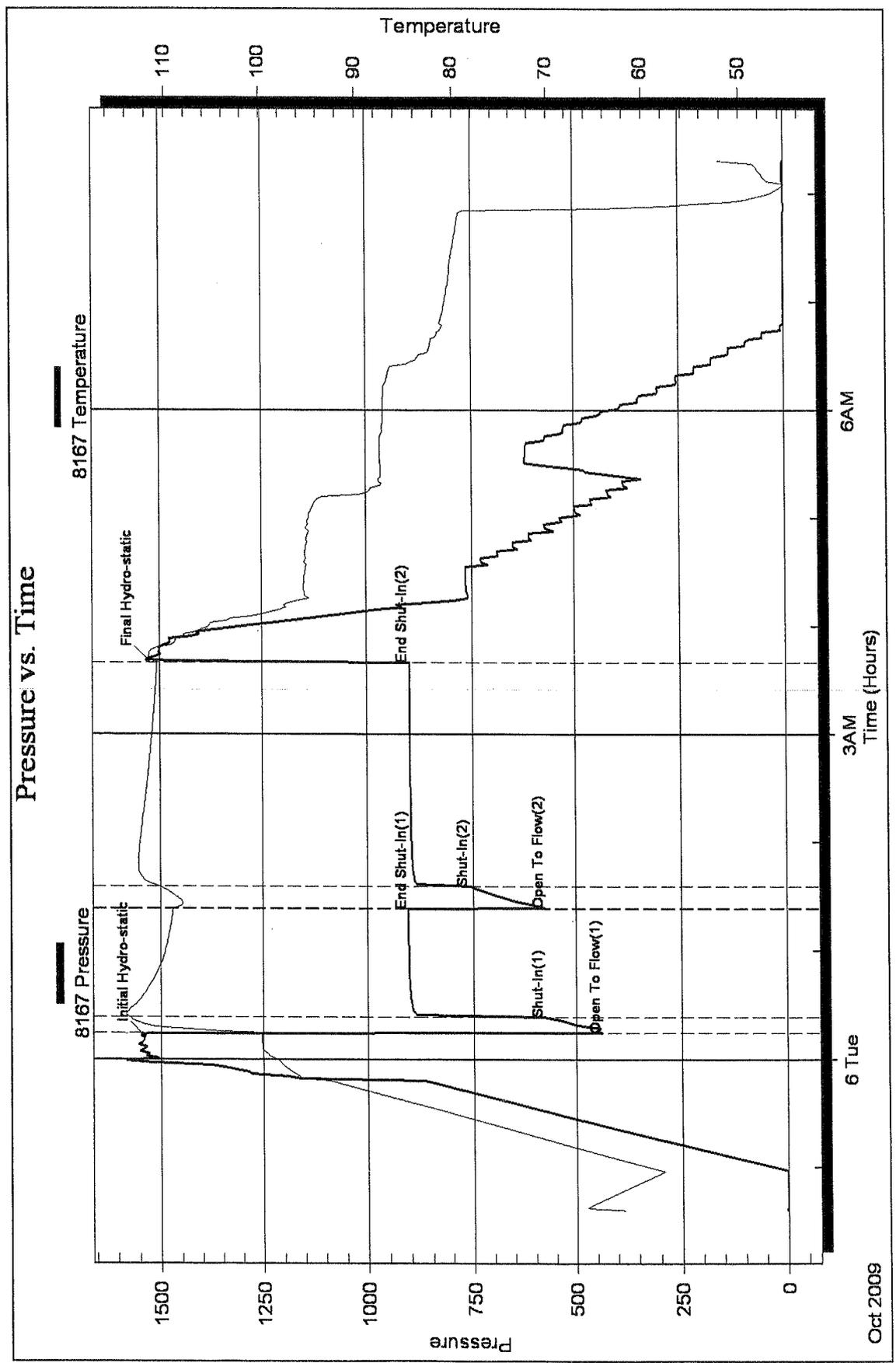
Num Gas Bombs: 0

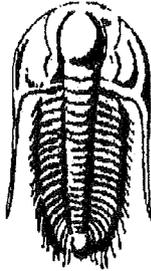
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Gilbert & Stewart Oper.LLC**

801 Broadway Ste.450
Denver Co.80202

ATTN: Adam Kennedy

5-19s-9w Rice KS

Lincoln#1

Start Date: 2009.10.06 @ 14:19:51

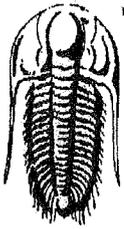
End Date: 2009.10.06 @ 21:54:06

Job Ticket #: 35706 DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35706

DST#: 5

ATTN: Adam Kennedy

Test Start: 2009.10.06 @ 14:19:51

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:42:51

Time Test Ended: 21:54:06

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3243.00 ft (KB) To 3249.00 ft (KB) (TVD)**

Reference Elevations: 1711.00 ft (KB)

Total Depth: 3249.00 ft (KB) (TVD)

1703.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 678.23 psig @ 3244.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2009.10.06

End Date:

2009.10.06

Last Calib.:

2009.10.06

Start Time: 14:19:56

End Time:

21:54:05

Time On Btm:

2009.10.06 @ 15:39:36

Time Off Btm:

2009.10.06 @ 18:30:36

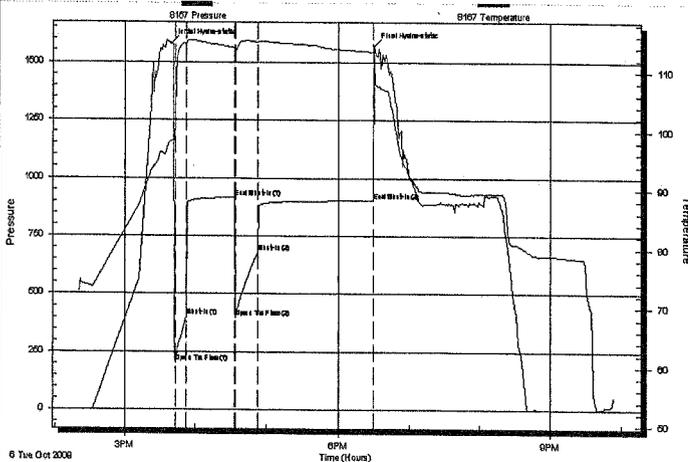
TEST COMMENT: IF: Strong blow . B.O.B. in 20 secs.

ISI: Weak blow . 1 - 4".

FF: Strong blow . B.O.B. in 15 secs.

FSI: Weak blow . 1 - 3".

Pressure vs. Time



PRESSURE SUMMARY

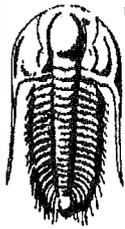
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1580.27	98.37	Initial Hydro-static
4	205.97	101.93	Open To Flow (1)
13	402.95	114.68	Shut-In(1)
55	915.19	114.10	End Shut-In(1)
55	399.88	113.65	Open To Flow (2)
74	678.23	115.07	Shut-In(2)
171	902.37	113.49	End Shut-In(2)
171	1570.03	111.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	SOCMW 2%o 16%m 82%w /Rw .26ohms 1.75 deg	
125.00	OCWM 7%o 40%w 53%m	1.75
1655.00	CGO 22%g 78%o	23.22
0.00	420 ft. of GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35706

DST#: 5

ATTN: Adam Kennedy

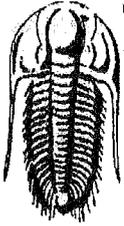
Test Start: 2009.10.06 @ 14:19:51

Tool Information

Drill Pipe:	Length: 3226.00 ft	Diameter: 3.80 inches	Volume: 45.25 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: 73000.00 lb
			<u>Total Volume: 45.25 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3243.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	34.00 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			3216.00	
Shut In Tool	5.00			3221.00	
Hydraulic tool	5.00			3226.00	
Jars	5.00			3231.00	
Safety Joint	3.00			3234.00	
Packer	4.00			3238.00	28.00 Bottom Of Top Packer
Packer	5.00			3243.00	
Stubb	1.00			3244.00	
Recorder	0.00	8167	Inside	3244.00	
Recorder	0.00	8370	Inside	3244.00	
Bullnose	5.00			3249.00	6.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gilbert & Stewart Oper.LLC

Lincoln#1

801 Broadway Ste.450
Denver Co.80202

5-19s-9w Rice KS

Job Ticket: 35706

DST#: 5

ATTN: Adam Kennedy

Test Start: 2009.10.06 @ 14:19:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38.1 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	SOCMW 2%o 16% _m 82% _w /Rw .26ohms@65	1.753
125.00	OCWM 7%o 40% _w 53% _m	1.753
1655.00	CGO 22% _g 78% _o	23.215
0.00	420 ft.of GIP	0.000

Total Length: 1905.00 ft

Total Volume: 26.721 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

