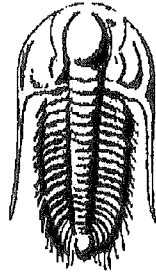


15-101-22230

10-16s-28w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources, LLC**

303 E 17th ste 940
Denver CO 80203

ATTN: Tim Priest

10-16s-28w Lane KS

Guy Long 22-10

Start Date: 2010.05.09 @ 01:28:05

End Date: 2010.05.09 @ 08:44:29

Job Ticket #: 37881 DST #: 1

RECEIVED

JUN 04 2010

KCC WICHITA

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

Flatirons Resources, LLC

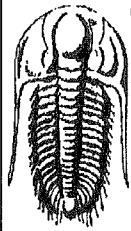
Guy Long 22-10

10-16s-28w Lane KS

DST # 1

Lansing I

2010.05.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37881

DST#: 1

ATTN: Tim Priest

Test Start: 2010.05.09 @ 01:28:05

GENERAL INFORMATION:

Formation: **Lansing I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:10:45

Time Test Ended: 08:44:29

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 48

Interval: 3992.00 ft (KB) To 4020.00 ft (KB) (TVD)

Reference Elevations: 2588.00 ft (KB)

Total Depth: 4020.00 ft (KB) (TVD)

2583.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8322

Inside

Press@RunDepth: 89.31 psig @ 3993.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.09

End Date: 2010.05.09

Last Calib.: 2010.05.09

Start Time: 01:28:05

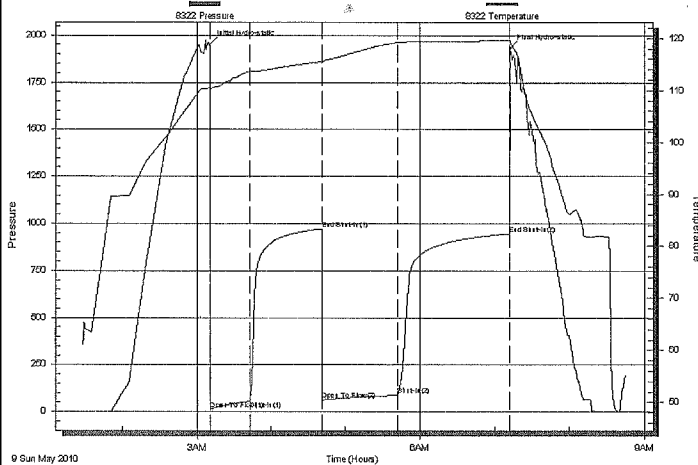
End Time: 08:44:29

Time On Btm: 2010.05.09 @ 03:10:30

Time Off Btm: 2010.05.09 @ 07:12:45

TEST COMMENT: IF: Weak blow building to 2in
IS: No return
FF: Weak blow building to 1.5 in
FS: No return

Pressure vs. Time



PRESSURE SUMMARY

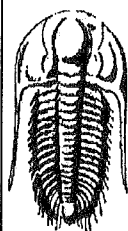
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.21	110.48	Initial Hydro-static
1	13.09	110.13	Open To Flow (1)
33	58.10	113.63	Shut-In(1)
91	971.08	115.52	End Shut-In(1)
92	63.88	115.35	Open To Flow (2)
152	89.31	119.19	Shut-In(2)
241	945.19	119.60	End Shut-In(2)
243	1931.24	119.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	W 100%w	0.59
35.00	MCW 75%w 25%m	0.47
5.00	SMCO 85%o 15%m	0.07
0.00	GIP = 0	0.00
0.00	RW = .436@54 F = 20000 ppm	0.00
0.00	API = N/A	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37881

DST#: 1

ATTN: Tim Priest

Test Start: 2010.05.09 @ 01:28:05

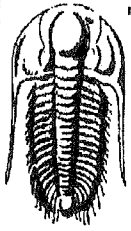
Tool Information

Drill Pipe:	Length: 3855.00 ft	Diameter: 3.80 inches	Volume: 54.08 bbl	Tool Weight: 1500.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 54.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3992.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	48.00 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			3973.00	
Shut In Tool	5.00			3978.00	
Hydraulic tool	5.00			3983.00	
Packer	5.00			3988.00	20.00 Bottom Of Top Packer
Packer	4.00			3992.00	
Stubb	1.00			3993.00	
Recorder	0.00	8322	Inside	3993.00	
Recorder	0.00	8166	Inside	3993.00	
Perforations	24.00			4017.00	
Bullnose	3.00			4020.00	28.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37881

DST#: 1

ATTN: Tim Priest

Test Start: 2010.05.09 @ 01:28:05

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:

20000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.15 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	W 100%w	0.590
35.00	MCW 75%w 25%m	0.473
5.00	SMCO 85%o 15%m	0.070
0.00	GIP = 0	0.000
0.00	RVV = .436@54 F = 20000 ppm	0.000
0.00	API = N/A	0.000

Total Length: 160.00 ft

Total Volume: 1.133 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

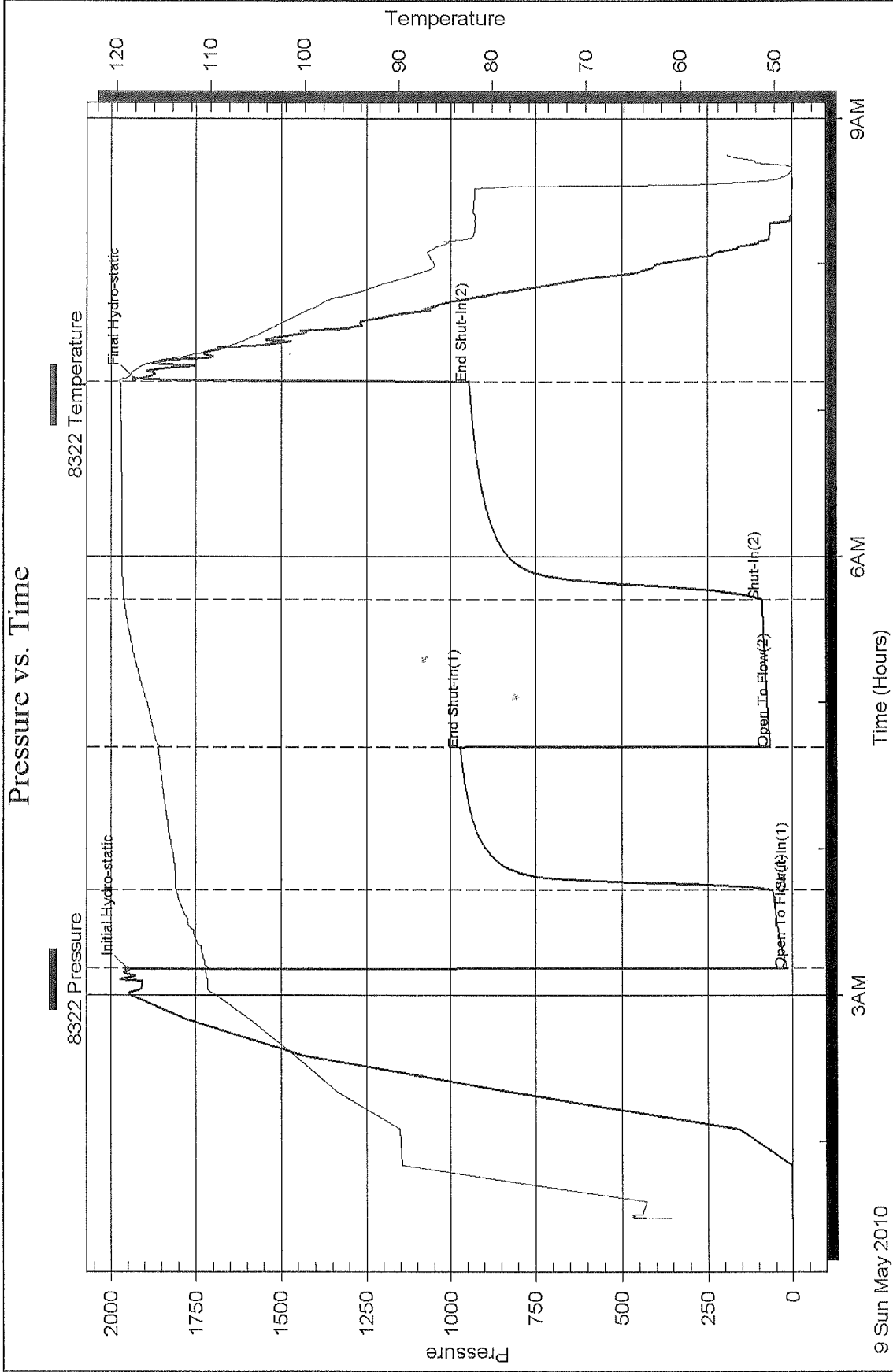
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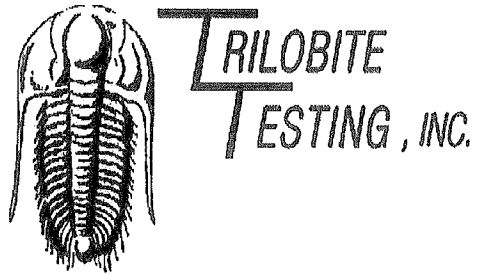
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources, LLC**

303 E 17th ste 940
Denver CO 80203

ATTN: Tim Priest

10-16s-28w Lane KS

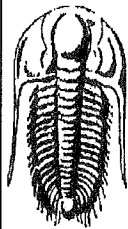
Guy Long 22-10

Start Date: 2010.05.09 @ 14:27:05

End Date: 2010.05.09 @ 19:14:29

Job Ticket #: 37882 DST #: 2

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

ATTN: Tim Priest

Job Ticket: 37882

DST#: 2

Test Start: 2010.05.09 @ 14:27:05

GENERAL INFORMATION:

Formation: **Lansing J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:48:45

Time Test Ended: 19:14:29

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 48

Interval: 4029.00 ft (KB) To 4050.00 ft (KB) (TVD)

Reference Elevations: 2588.00 ft (KB)

Total Depth: 4090.00 ft (KB) (TVD)

2583.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8322

Inside

Press@RunDepth: 19.73 psig @ 4030.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.09 End Date: 2010.05.09

Last Calib.: 2010.05.09

Start Time: 14:27:05 End Time: 19:14:29

Time On Btm: 2010.05.09 @ 15:48:00

Time Off Btm: 2010.05.09 @ 17:50:00

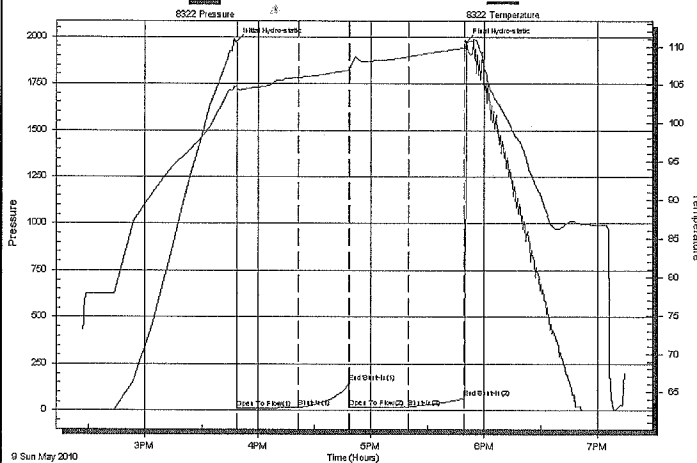
TEST COMMENT: IF: Weak blow died in 10 min

IS: No Return

FF: No blow

FS: No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.00	104.86	Initial Hydro-static
1	10.15	103.95	Open To Flow (1)
33	16:10	105.92	Shut-In(1)
61	149.59	106.93	End Shut-In(1)
61	17.79	106.88	Open To Flow (2)
92	19.73	108.70	Shut-In(2)
122	66.91	109.86	End Shut-In(2)
122	1973.00	110.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M w/o spots	0.05
0.00	GIP =0	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37882

DST#: 2

ATTN: Tim Priest

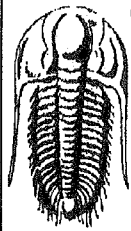
Test Start: 2010.05.09 @ 14:27:05

Tool Information

Drill Pipe:	Length: 3917.00 ft	Diameter: 3.80 inches	Volume: 54.95 bbl	Tool Weight: 1500.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 55.55 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4029.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 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			4010.00	
Shut In Tool	5.00			4015.00	
Hydraulic tool	5.00			4020.00	
Packer	5.00		*	4025.00	20.00 Bottom Of Top Packer
Packer	4.00			4029.00	
Stubb	1.00			4030.00	
Recorder	0.00	8322	Inside	4030.00	
Recorder	0.00	8166	Inside	4030.00	
Perforations	17.00			4047.00	
Bullnose	3.00			4050.00	21.00 Bottom Packers & Anchor
Total Tool Length:	41.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37882

DST#: 2

ATTN: Tim Priest

Test Start: 2010.05.09 @ 14:27:05

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:

bbf

Water Loss: 7.57 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
10.00	Mw/o spots	0.049
0.00	GIP=0	0.000

Total Length: 10.00ft Total Volume: 0.049 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

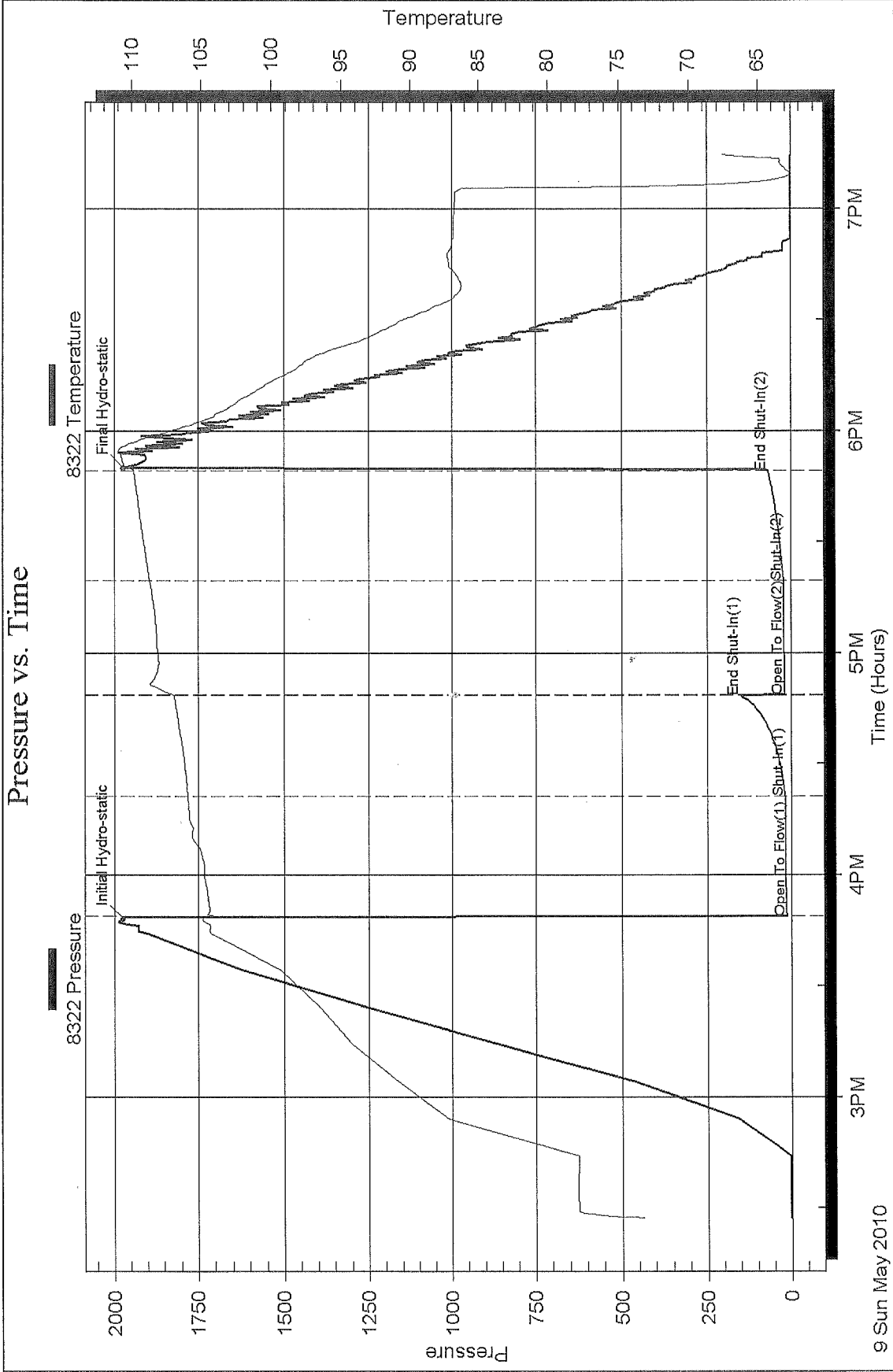
Serial #:

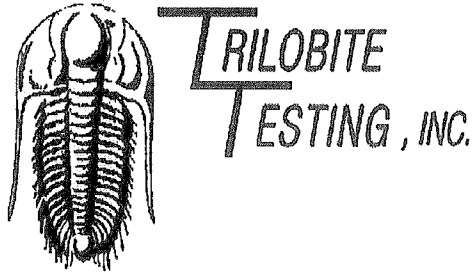
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources, LLC**

303 E 17th ste 940
Denver CO 80203

ATTN: Tim Priest

10-16s-28w Lane KS

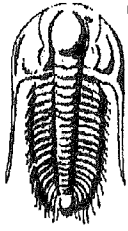
Guy Long 22-10

Start Date: 2010.05.10 @ 01:46:05

End Date: 2010.05.10 @ 08:46:14

Job Ticket #: 37883 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

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37883

DST#: 3

ATTN: Tim Priest

Test Start: 2010.05.10 @ 01:46:05

GENERAL INFORMATION:

Formation: **Lansing K**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:19:15

Time Test Ended: 08:46:14

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 48

Interval: **4054.00 ft (KB) To 4090.00 ft (KB) (TVD)**

Reference Elevations: 2588.00 ft (KB)

Total Depth: 4090.00 ft (KB) (TVD)

2583.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8322

Inside

Press@RunDepth: 85.80 psig @ 4055.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.10 End Date: 2010.05.10

Last Calib.: 2010.05.10

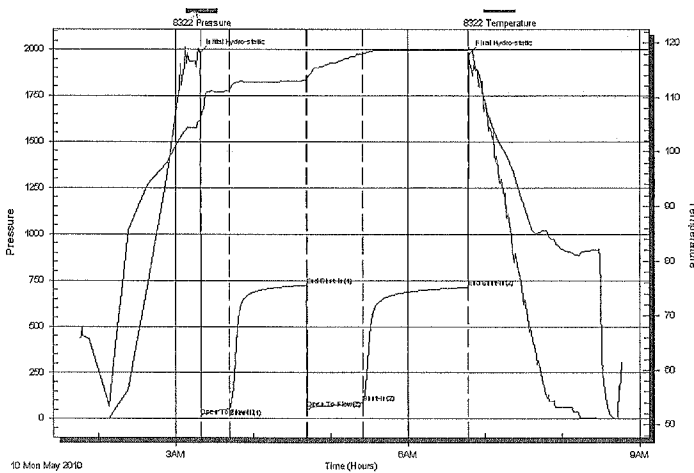
Start Time: 01:46:05 End Time: 08:46:14

Time On Btm: 2010.05.10 @ 03:18:45

Time Off Btm: 2010.05.10 @ 06:47:14

TEST COMMENT: IF: Strong blow bob in 15 mins.
IS: No return
FF: Strong blow bob in 15 mins.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

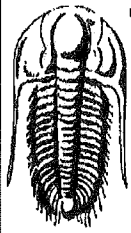
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1980.81	105.72	Initial Hydro-static
1	14.37	105.13	Open To Flow (1)
23	53.62	111.29	Shut-In(1)
82	723.21	113.10	End Shut-In(1)
83	53.94	113.38	Open To Flow (2)
127	85.80	117.99	Shut-In(2)
208	711.18	118.71	End Shut-In(2)
209	1974.38	119.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100 %m	0.15
150.00	SWCO&M 50%o 5%w 45%m	1.27
10.00	SW&MCO 80%o 5%w 15%m	0.14
0.00	GIP = 120 ft	0.00
0.00	API = N/A	0.00
0.00	RW = N/A	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37883

DST#: 3

ATTN: Tim Priest

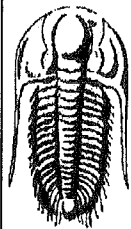
Test Start: 2010.05.10 @ 01:46:05

Tool Information

Drill Pipe:	Length: 3919.00 ft	Diameter: 3.80 inches	Volume: 54.97 bbl	Tool Weight: 1500.00 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: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 55.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4054.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	56.00 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			4035.00	
Shut In Tool	5.00			4040.00	
Hydraulic tool	5.00			4045.00	
Packer	5.00			4050.00	* 20.00 Bottom Of Top Packer
Packer	4.00			4054.00	*
Stubb	1.00			4055.00	
Recorder	0.00	8322	Inside	4055.00	
Recorder	0.00	8166	Inside	4055.00	
Perforations	32.00			4087.00	
Bullnose	3.00			4090.00	36.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37883

DST#: 3

ATTN: Tim Priest

Test Start: 2010.05.10 @ 01:46:05

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 56.00 sec/qt
Water Loss: 7.58 in³
Resistivity: 0.00 ohm.m
Salinity: 1700.00 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: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	M 100 %m	0.148
150.00	SWCO&M 50%o 5%w 45%m	1.266
10.00	SW&MCO 80%o 5%w 15%m	0.140
0.00	GIP = 120 ft	0.000
0.00	API = N/A	0.000
0.00	RW = N/A	0.000

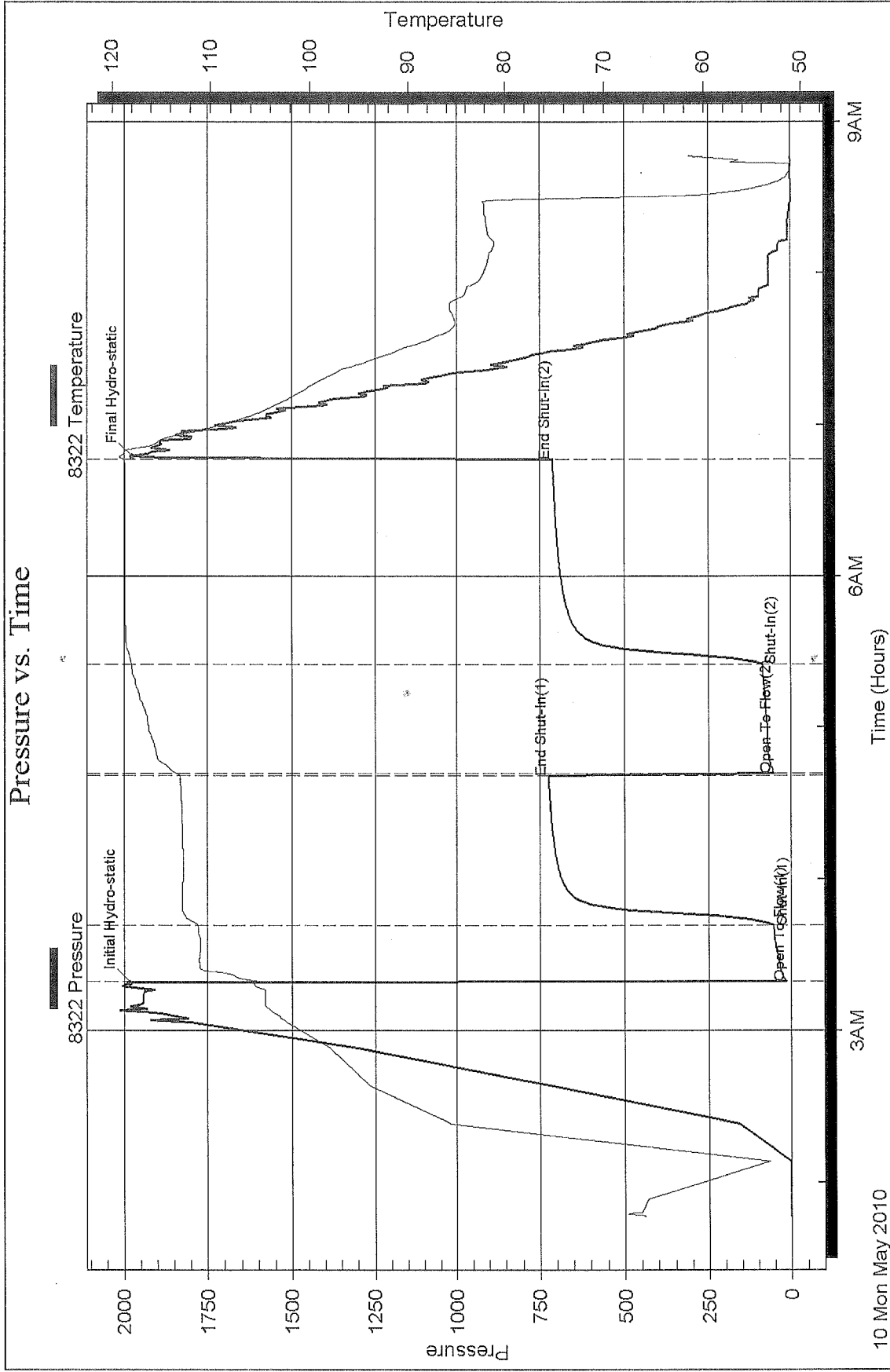
Total Length: 190.00 ft Total Volume: 1.554 bbl

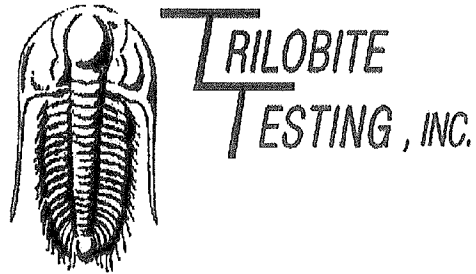
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources, LLC**

303 E 17th ste 940
Denver CO 80203

ATTN: Tim Priest

10-16s-28w Lane KS

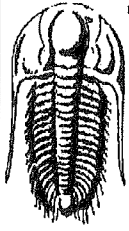
Guy Long 22-10

Start Date: 2010.05.10 @ 18:46:05

End Date: 2010.05.11 @ 00:30:44

Job Ticket #: 37884 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

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37884

DST#: 4

ATTN: Tim Priest

Test Start: 2010.05.10 @ 18:46:05

GENERAL INFORMATION:

Formation: **Lansing L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:10:30

Time Test Ended: 00:30:44

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 48

Interval: **4092.00 ft (KB) To 4137.00 ft (KB) (TVD)**

Reference Elevations: 2588.00 ft (KB)

Total Depth: 4137.00 ft (KB) (TVD)

2583.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8322

Inside

Press@RunDepth: 46.17 psig @ 4093.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.10 End Date: 2010.05.11

Last Calib.: 2010.05.11

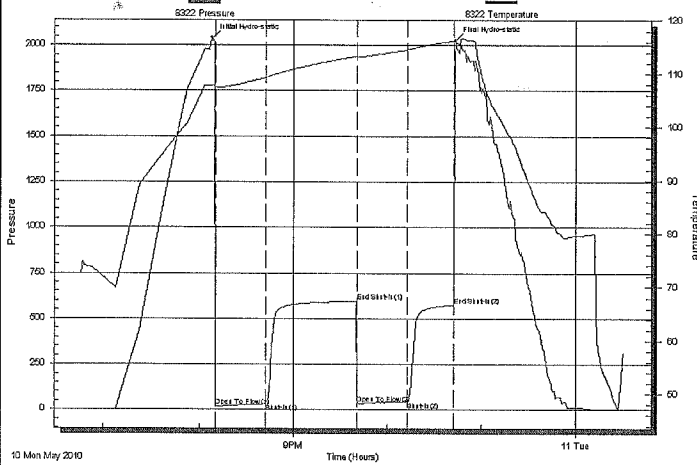
Start Time: 18:46:05 End Time: 00:30:44

Time On Btm: 2010.05.10 @ 20:08:30

Time Off Btm: 2010.05.10 @ 22:43:30

TEST COMMENT: IF: Weak surface blow
IS: No return
FF: No blow
FS: No return

Pressure vs. Time



PRESSURE SUMMARY

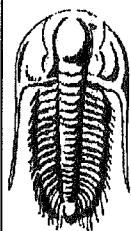
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2038.82	107.81	Initial Hydro-static
2	17.41	107.50	Open To Flow (1)
34	33.24	109.26	Shut-In(1)
92	596.22	113.27	End Shut-In(1)
93	36.56	113.17	Open To Flow (2)
125	46.17	114.53	Shut-In(2)
154	575.38	116.18	End Shut-In(2)
155	2027.05	116.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GO&WCM 10%g 15%o 10%w 65%m	0.59
0.00	GIP = 0	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37884

DST#: 4

ATTN: Tim Priest

Test Start: 2010.05.10 @ 18:46:05

Tool Information

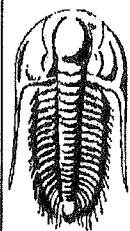
Drill Pipe:	Length: 3980.00 ft	Diameter: 3.80 inches	Volume: 55.83 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 56.43 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4092.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	65.00 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			4073.00	
Shut In Tool	5.00			4078.00	
Hydraulic tool	5.00			4083.00	
Packer	5.00			4088.00	20.00 Bottom Of Top Packer
Packer	4.00			4092.00 *	
Stubb	1.00			4093.00	
Recorder	0.00	8322	Inside	4093.00	
Recorder	0.00	8166	Inside	4093.00	
Perforations	9.00			4102.00	
Change Over Sub	1.00			4103.00	
Drill Pipe	30.00			4133.00	
Change Over Sub	1.00			4134.00	
Bullnose	3.00			4137.00	45.00 Bottom Packers & Anchor

Total Tool Length: 65.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37884

DST#: 4

ATTN: Tim Priest

Test Start: 2010.05.10 @ 18:46:05

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: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GO&WCM 10%g 15%o 10%w 65%m	0.590
0.00	GIP=0	0.000

Total Length: 120.00 ft

Total Volume: 0.590 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

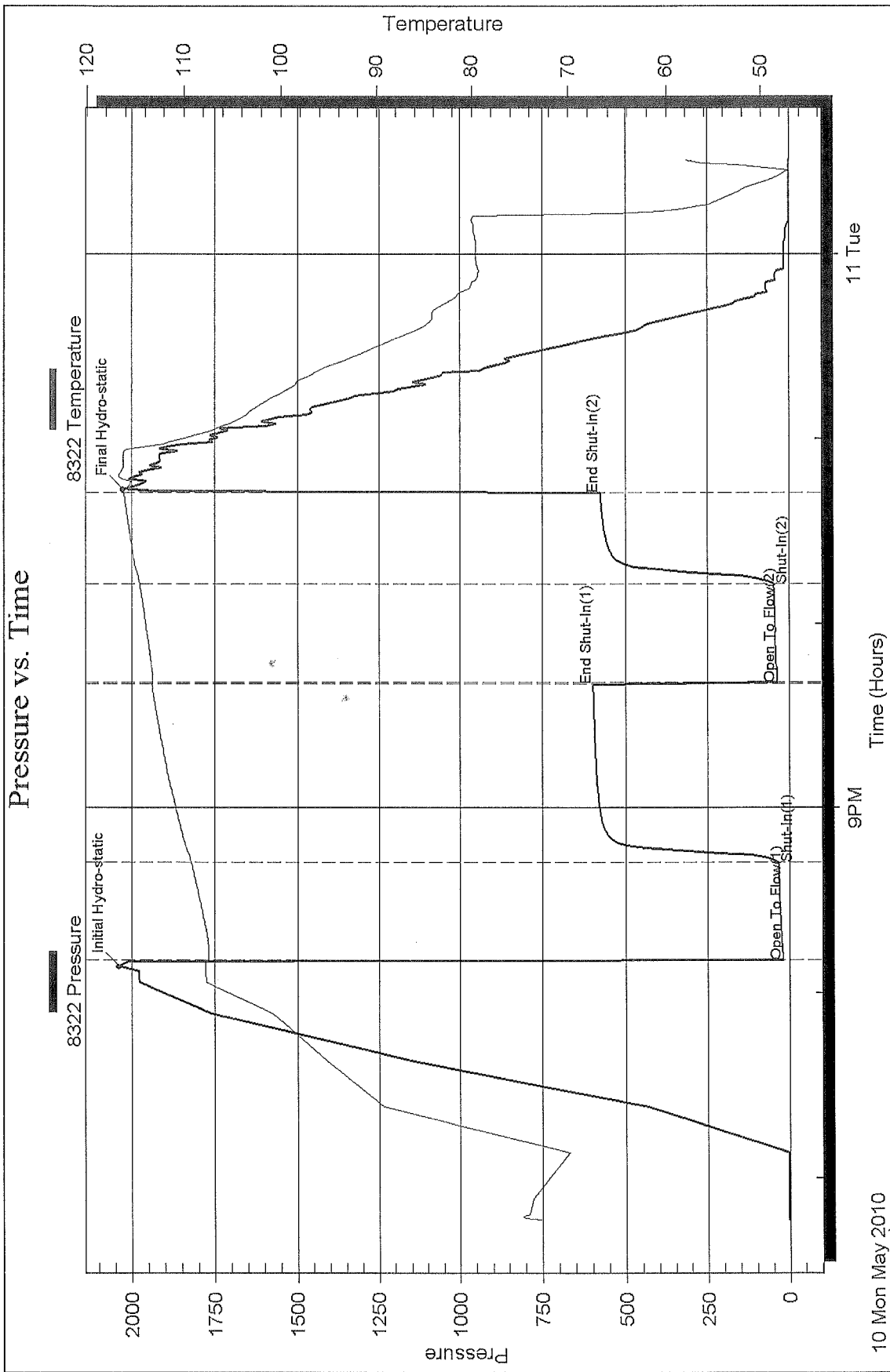
Serial #:

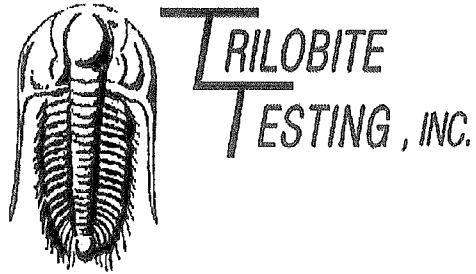
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Flatirons Resources, LLC**

303 E 17th ste 940
Denver CO 80203

ATTN: Tim Priest

10-16s-28w Lane KS

Guy Long 22-10

Start Date: 2010.05.11 @ 19:56:05

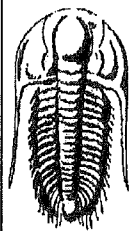
End Date: 2010.05.12 @ 01:36:59

Job Ticket #: 37885 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

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

ATTN: Tim Priest

Job Ticket: 37885

DST#: 5

Test Start: 2010.05.11 @ 19:56:05

GENERAL INFORMATION:

Formation: **Fort Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:30:15

Time Test Ended: 01:36:59

Test Type: Conventional Bottom Hole

Tester: Andy Carreira

Unit No: 48

Interval: **4289.00 ft (KB) To 4334.00 ft (KB) (TVD)**

Reference Elevations: 2588.00 ft (KB)

Total Depth: 4334.00 ft (KB) (TVD)

2583.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 8322

Inside

Press@RunDepth: 22.33 psig @ 4290.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.05.11 End Date: 2010.05.12

Last Calib.: 2010.05.12

Start Time: 19:56:05 End Time: 01:36:59

Time On Btm: 2010.05.11 @ 21:29:30

Time Off Btm: 2010.05.12 @ 00:02:00

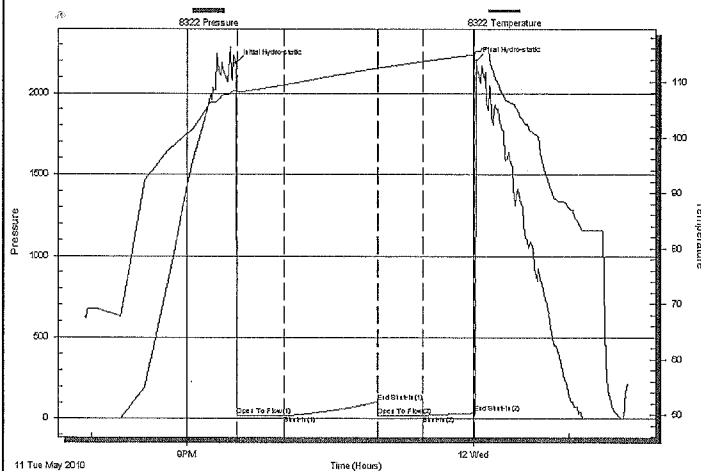
TEST COMMENT: IF: Weak blow died in 20 min.

IS: No return

FF: No blow

FS: No return

Pressure vs. Time



PRESSURE SUMMARY

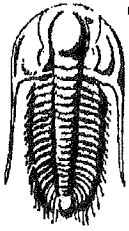
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2183.88	108.44	Initial Hydro-static
1	17.65	108.21	Open To Flow (1)
31	18.93	109.43	Shut-In(1)
90	105.76	112.49	End Shut-In(1)
91	19.84	112.49	Open To Flow (2)
119	22.33	113.71	Shut-In(2)
152	36.00	114.98	End Shut-In(2)
153	2199.70	115.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100% m	0.05
0.00	GIP= 0	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Flatirons Resources, LLC

Guy Long 22-10

303 E 17th ste 940
Denver CO 80203

10-16s-28w Lane KS

Job Ticket: 37885

DST#: 5

ATTN: Tim Priest

Test Start: 2010.05.11 @ 19:56:05

Tool Information

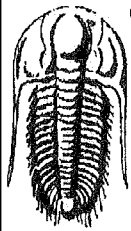
Drill Pipe:	Length: 4167.00 ft	Diameter: 3.80 inches	Volume: 58.45 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 59.05 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	4289.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	65.00 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			4270.00	
Shut In Tool	5.00			4275.00	
Hydraulic tool	5.00			4280.00	
Packer	5.00			4285.00	20.00 Bottom Of Top Packer
Packer	4.00			4289.00	
Stubb	1.00			4290.00	
Recorder	0.00	8322	Inside	4290.00	
Recorder	0.00	8166	Inside	4290.00	
Perforations	7.00			4297.00	
Change Over Sub	1.00			4298.00	
Drill Pipe	32.00			4330.00	
Change Over Sub	1.00			4331.00	
Bullnose	3.00			4334.00	45.00 Bottom Packers & Anchor

Total Tool Length: 65.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Guy Long 22-10

303 E 17th ste 940
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10-16s-28w Lane KS

Job Ticket: 37885

DST#: 5

ATTN: Tim Priest

Test Start: 2010.05.11 @ 19:56:05

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	M 100% _m	0.049
0.00	GIP= 0	0.000

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

