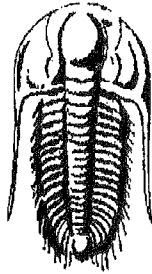


15-135-24686

7-18g-22w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Co Inc**

Box 2758
Wichita KS 67201

ATTN: Mark Shreve

7 18 22 Ness KS

MLT # 1-7

Start Date: 2007.08.19 @ 11:53:02

End Date: 2007.08.19 @ 17:54:02

Job Ticket #: 28796 DST #: 1

Mull Drilling Co Inc

MLT # 1-7

7 18 22 Ness KS

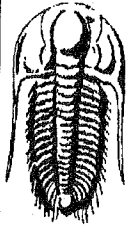
DST # 1

Miss

2007.08.19

**CONFIDENTIAL
NOV 07 2007
KCC**

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mull Drilling Co Inc

MLT # 1-7

Box 2758
Wichita KS 67201

7 18 22 Ness KS

ATTN: Mark Shreve

Job Ticket: 28796

DST#: 1

Test Start: 2007.08.19 @ 11:53:02

GENERAL INFORMATION:

Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:53:52
 Time Test Ended: 17:54:02

Test Type: Conventional Bottom Hole
 Tester: Dan Bangle
 Unit No: 38

Interval: **4187.00 ft (KB) To 4274.00 ft (KB) (TVD)**
 Total Depth: 4274.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

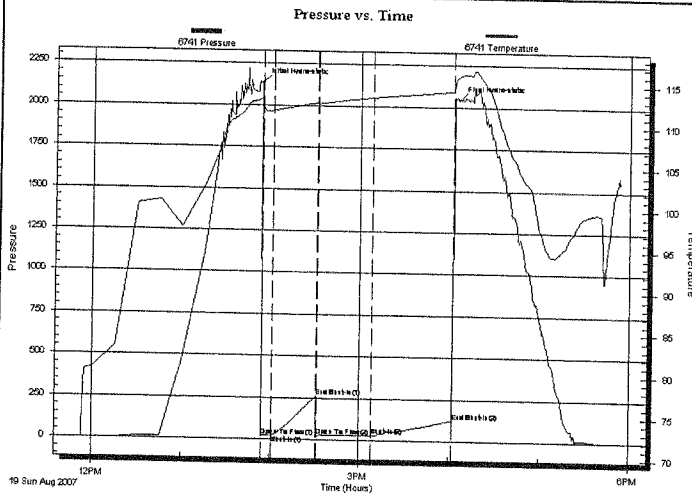
Reference Elevations: 2237.00 ft (KB)
 2232.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 29.93 psig @ 4190.00 ft (KB)
 Start Date: 2007.08.19 End Date: 2007.08.19
 Start Time: 11:53:04 End Time: 17:54:02

Capacity: 7000.00 psig
 Last Calib.: 2007.08.19
 Time On Btm: 2007.08.19 @ 13:53:42
 Time Off Btm: 2007.08.19 @ 16:05:47

TEST COMMENT: IF Weak died in 10 min
 FF No blow



PRESSURE SUMMARY

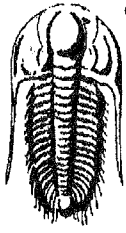
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2135.45	113.08	Initial Hydro-static
1	19.18	112.43	Open To Flow (1)
8	22.12	111.71	Shut-In(1)
38	257.16	112.66	End Shut-In(1)
38	24.89	112.55	Open To Flow (2)
76	29.93	113.36	Shut-In(2)
129	123.00	114.18	End Shut-In(2)
133	2045.06	116.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DM	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drilling Co Inc

MLT # 1-7

Box 2758
Wichita KS 67201

7 18 22 Ness KS

Job Ticket: 28796

DST#: 1

ATTN: Mark Shreve

Test Start: 2007.08.19 @ 11:53:02

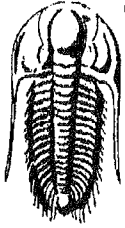
Tool Information

Drill Pipe:	Length: 4044.00 ft	Diameter: 3.80 inches	Volume: 56.73 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 57.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4187.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	87.00 ft			
Tool Length:	108.00 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			4167.00	
Shut In Tool	5.00			4172.00	
Hydraulic tool	5.00			4177.00	
Packer	5.00			4182.00	21.00 Bottom Of Top Packer
Packer	5.00			4187.00	
Stubb	1.00			4188.00	
Perforations	1.00			4189.00	
Change Over Sub	1.00			4190.00	
Recorder	0.00	6741	Inside	4190.00	
Drill Pipe	62.00			4252.00	
Change Over Sub	1.00			4253.00	
Recorder	0.00	13254	Outside	4253.00	
Perforations	18.00			4271.00	
Bullnose	3.00			4274.00	87.00 Bottom Packers & Anchor

Total Tool Length: 108.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Co Inc

MLT # 1-7

Box 2758
Wichita KS 67201

7 18 22 Ness KS

Job Ticket: 28796

DST#: 1

ATTN: Mark Shreve

Test Start: 2007.08.19 @ 11:53:02

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 5700.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DM	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

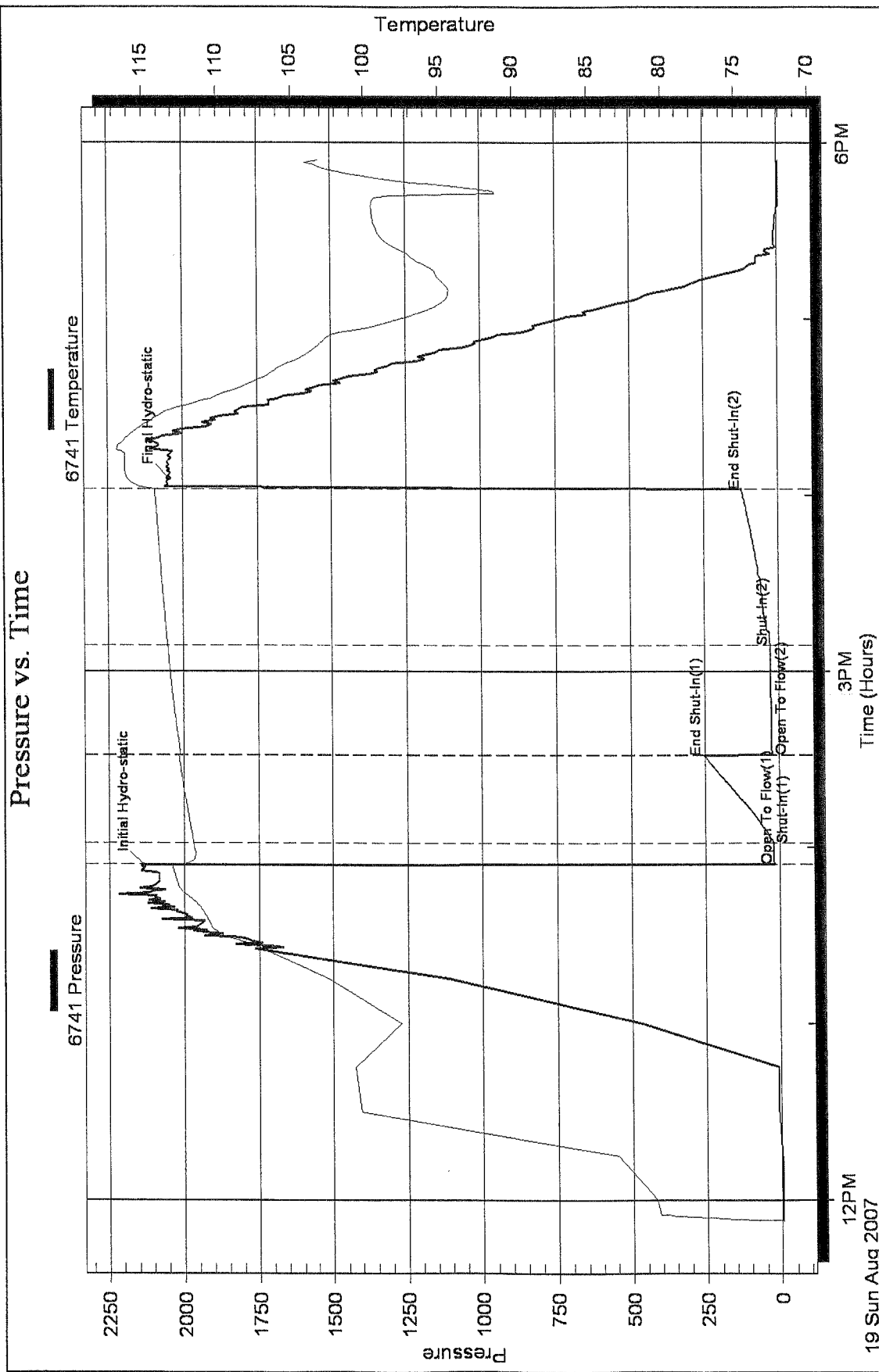
Serial #:

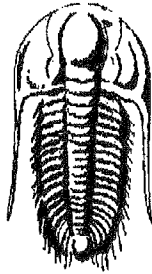
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Co Inc**

Box 2758
Wichita KS 67201

ATTN: Mark Shreve

7 18 22 Ness KS

MLT # 1-7

Start Date: 2007.08.19 @ 23:39:09

End Date: 2007.08.20 @ 05:15:09

Job Ticket #: 28797 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Mull Drilling Co Inc

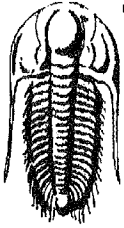
MLT # 1-7

7 18 22 Ness KS

DST # 2

Miss

2007.08.19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mull Drilling Co Inc

MLT # 1-7

Box 2758
Wichita KS 67201

7 18 22 Ness KS

Job Ticket: 28797

DST#: 2

ATTN: Mark Shreve

Test Start: 2007.08.19 @ 23:39:09

GENERAL INFORMATION:

Formation: **Miss**

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

Time Tool Opened: 01:24:29

Time Test Ended: 05:15:09

Test Type: **Conventional Bottom Hole**

Tester: **Dan Bangle**

Unit No: **38**

Interval: 4186.00 ft (KB) To 4283.00 ft (KB) (TVD)

Total Depth: **4283.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2237.00 ft (KB)**

2232.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: **40.10 psig @ 4189.00 ft (KB)**

Start Date: **2007.08.19**

End Date: **2007.08.20**

Capacity: **7000.00 psig**

Last Calib.: **2007.08.20**

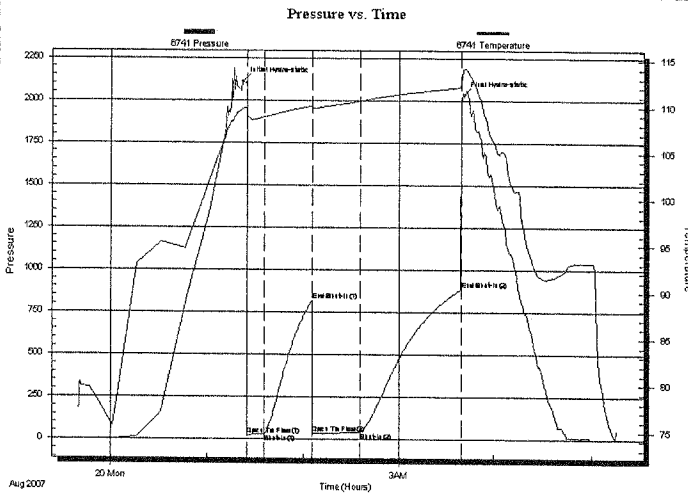
Start Time: **23:39:11**

End Time: **05:15:09**

Time On Btm: **2007.08.20 @ 01:22:09**

Time Off Btm: **2007.08.20 @ 03:40:54**

TEST COMMENT: IF Weak died in 10 min
FF No blow



PRESSURE SUMMARY

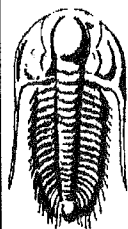
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2110.36	109.76	Initial Hydro-static
3	21.65	109.10	Open To Flow (1)
14	29.71	108.90	Shut-In(1)
44	816.95	110.07	End Shut-In(1)
44	31.47	109.88	Open To Flow (2)
74	40.10	110.63	Shut-In(2)
138	884.05	112.12	End Shut-In(2)
139	2032.96	114.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	DM	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drilling Co Inc

MLT # 1-7

Box 2758
Wichita KS 67201

7 18 22 Ness KS

Job Ticket: 28797

DST#: 2

ATTN: Mark Shreve

Test Start: 2007.08.19 @ 23:39:09

Tool Information

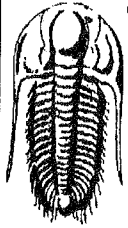
Drill Pipe:	Length: 4043.00 ft	Diameter: 3.80 inches	Volume: 56.71 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume:	57.31 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	4186.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	97.00 ft			
Tool Length:	118.00 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			4166.00	
Shut In Tool	5.00			4171.00	
Hydraulic tool	5.00			4176.00	
Packer	5.00			4181.00	21.00 Bottom Of Top Packer
Packer	5.00			4186.00	
Stubb	1.00			4187.00	
Perforations	1.00			4188.00	
Change Over Sub	1.00			4189.00	
Recorder	0.00	6741	Inside	4189.00	
Drill Pipe	62.00			4251.00	
Change Over Sub	1.00			4252.00	
Recorder	0.00	13254	Outside	4252.00	
Perforations	28.00			4280.00	
Bullnose	3.00			4283.00	97.00 Bottom Packers & Anchor

Total Tool Length: 118.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Co Inc

MLT # 1-7

Box 2758
Wichita KS 67201

7 18 22 Ness KS

Job Ticket: 28797

DST#: 2

ATTN: Mark Shreve

Test Start: 2007.08.19 @ 23:39:09

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 5700.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	DM	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

