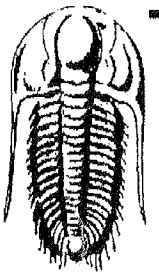
15-185-23333 11-21s-13w



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Company,Inc.**

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

11-21s-13w-Stafford

McIlvain #1-11

Start Date: 2005.12.03 @ 22:03:16
End Date: 2005.12.04 @ 06:58:46
Job Ticket #: 23663 DST #: 1

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

Mull Drilling Company,Inc. McIlvain #1-11 11-21s-13w-Stafford DST # 1 Lansing "A-F" 2005.12.03

DRILL STEM TEST REPORT

Mull Drilling Company,Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23663 **DST#: 1**

Test Start: 2005.12.03 @ 22:03:16

GENERAL INFORMATION:

Formation: **Lansing "A-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:49:01
Time Test Ended: 06:58:46

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 3274.00 ft (KB) To 3360.00 ft (KB) (TVD)
Total Depth: 3360.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

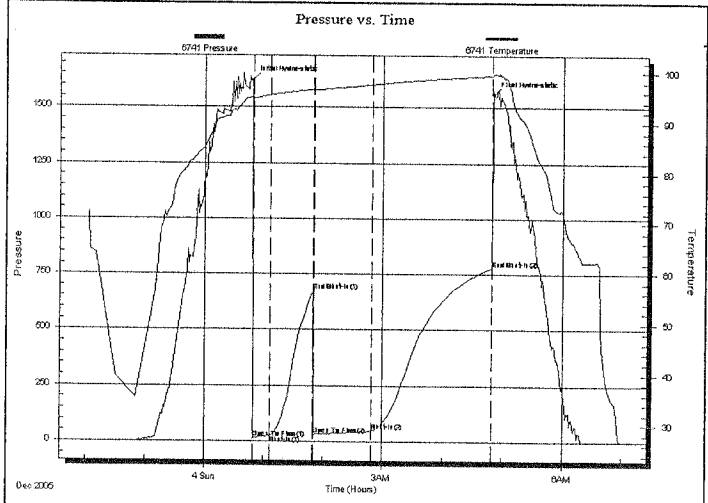
Reference Elevations: 1885.00 ft (KB)
1875.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 45.68 psig @ 3279.00 ft (KB)
Start Date: 2005.12.03 End Date: 2005.12.04
Start Time: 22:03:18 End Time: 06:58:46

Capacity: 7000.00 psig
Last Calib.: 2005.12.04
Time On Btm: 2005.12.04 @ 00:48:46
Time Off Btm: 2005.12.04 @ 04:49:46

TEST COMMENT: IFP-Weak Blow ,Built to 1-1/4"
ISI-Dead
FFP-Weak Blow ,Built to 1"
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1621.14	95.22	Initial Hydro-static
1	13.72	94.78	Open To Flow (1)
18	23.92	95.57	Shut-In(1)
62	672.10	96.70	End Shut-In(1)
62	29.88	96.56	Open To Flow (2)
121	45.68	97.64	Shut-In(2)
241	778.34	99.46	End Shut-In(2)
241	1558.64	99.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Oil Specked Mud	0.32

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drilling Company,Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23663 **DST#: 1**

Test Start: 2005.12.03 @ 22:03:16

Tool Information

Drill Pipe:	Length:	3028.00 ft	Diameter:	3.80 inches	Volume:	42.47 bbl	Tool Weight:		2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	Weight to Pull Loose:		55000.00 lb
					Total Volume:	43.69 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		23.00 ft					String Weight:	Initial	55000.00 lb
Depth to Top Packer:		3274.00 ft						Final	55000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		86.00 ft							
Tool Length:		107.00 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			3254.00		
Shut In Tool	5.00			3259.00		
Hydraulic tool	5.00			3264.00		
Packer	5.00			3269.00	21.00	Bottom Of Top Packer
Packer	5.00			3274.00		
Stubb	1.00			3275.00		
Perforations	3.00			3278.00		
Change Over Sub	1.00			3279.00		
Recorder	0.00	6741	Inside	3279.00		
Blank Spacing	62.00			3341.00		
Change Over Sub	1.00			3342.00		
Perforations	15.00			3357.00		
Recorder	0.00	13221	Outside	3357.00		
Bullnose	3.00			3360.00	86.00	Bottom Packers & Anchor
Total Tool Length:	**107.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Company, Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23663 **DST#: 1**

Test Start: 2005.12.03 @ 22:03:16

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:	ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4200.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

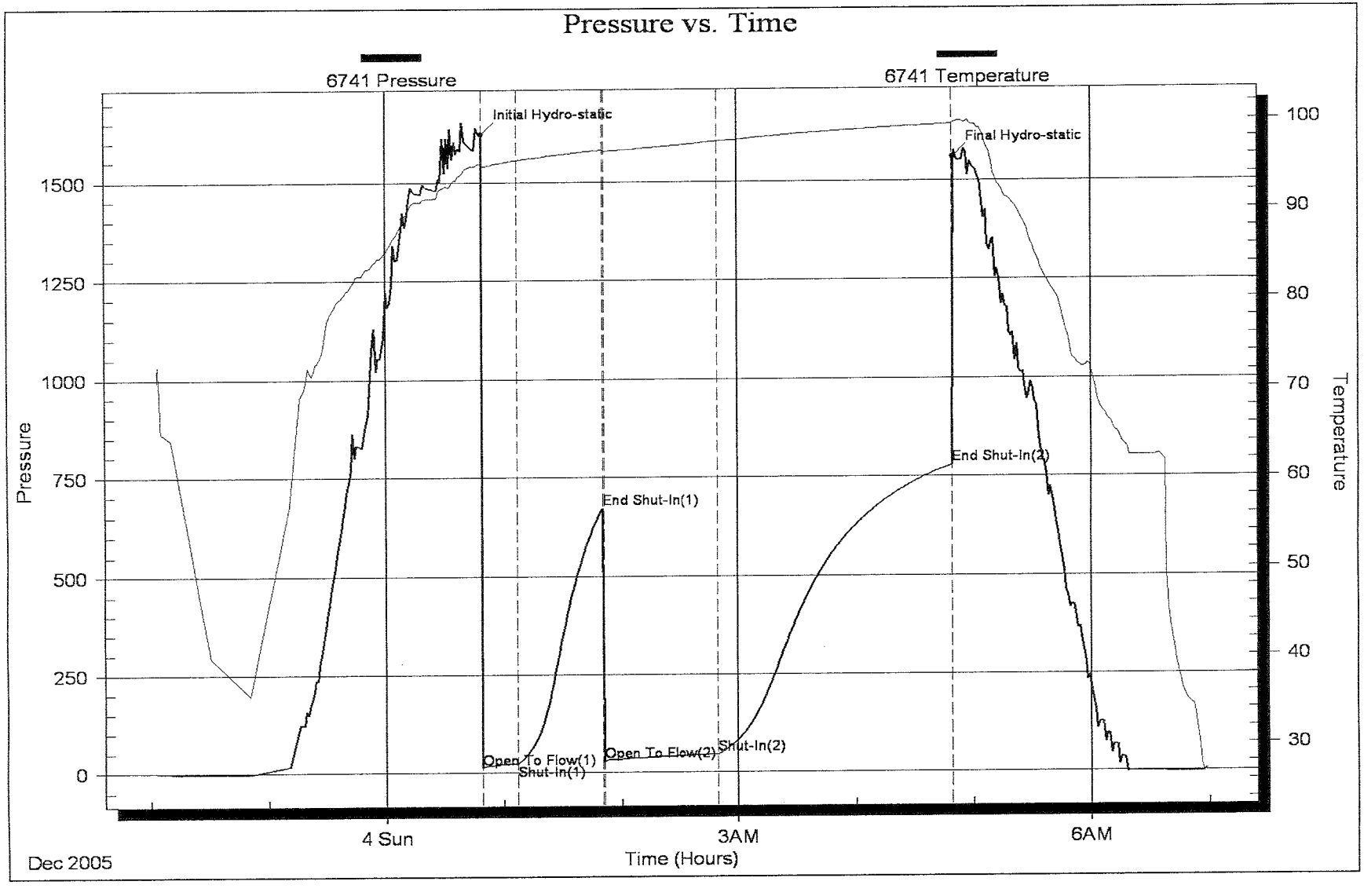
Length ft	Description	Volume bbl
65.00	Oil Specked Mud	0.320

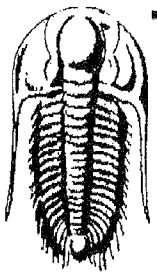
Total Length: 65.00 ft Total Volume: 0.320 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
100
90
80
70
60
50
40
30
4 Sun
3AM
6AM
Dec 2005
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Company,Inc.**

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

11-21s-13w-Stafford

McIlvain #1-11

Start Date: 2005.12.04 @ 20:00:16
End Date: 2005.12.05 @ 05:27:16
Job Ticket #: 23664 DST #: 2

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

DRILL STEM TEST REPORT

Mull Drilling Company,Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23664 **DST#: 2**

Test Start: 2005.12.04 @ 20:00:16

GENERAL INFORMATION:

Formation: **LKC-"G-H-I"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:42:01
Time Test Ended: 05:27:16

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 3366.00 ft (KB) To 3435.00 ft (KB) (TVD)
Total Depth: 3435.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

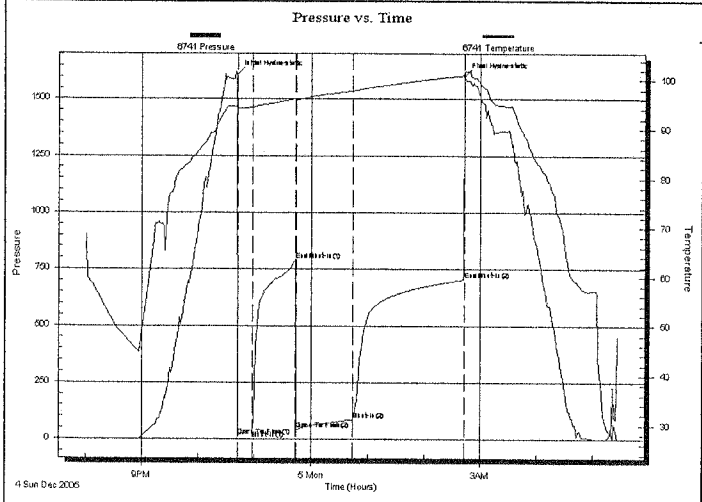
Reference Elevations: 1885.00 ft (KB)
1875.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 86.55 psig @ 3369.00 ft (KB)
Start Date: 2005.12.04 End Date: 2005.12.05
Start Time: 20:00:18 End Time: 05:27:16

Capacity: 7000.00 psig
Last Calib.: 2005.12.05
Time On Btm: 2005.12.04 @ 22:41:46
Time Off Btm: 2005.12.05 @ 02:43:31

TEST COMMENT: IFP-Weak Blow ,Built to 2-1/2"
ISI-Dead
FFP-Weak Blow ,Built to 2"
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1611.18	94.75	Initial Hydro-static
1	14.96	94.40	Open To Flow (1)
16	38.77	94.43	Shut-In(1)
62	787.92	96.24	End Shut-In(1)
63	41.44	96.08	Open To Flow (2)
123	86.55	97.79	Shut-In(2)
242	704.40	100.99	End Shut-In(2)
242	1602.82	101.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud With Oil Specks < 1%	0.15
120.00	Watery Mud W/Oil Specks <1%O-42%W-0.59M	

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drilling Company, Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23664 **DST#: 2**

Test Start: 2005.12.04 @ 20:00:16

Tool Information

Drill Pipe:	Length:	3125.00 ft	Diameter:	3.80 inches	Volume:	43.84 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	Weight to Pull Loose:	60000.00 lb
					Total Volume:	45.06 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		28.00 ft					String Weight: Initial	55000.00 lb
Depth to Top Packer:		3366.00 ft					Final	55000.00 lb
Depth to Bottom Packer:		ft						
Interval betw een Packers:		69.00 ft						
Tool Length:		90.00 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			3346.00		
Shut In Tool	5.00			3351.00		
Hydraulic tool	5.00			3356.00		
Packer	5.00			3361.00	21.00	Bottom Of Top Packer
Packer	5.00			3366.00		
Stubb	1.00			3367.00		
Perforations	1.00			3368.00		
Change Over Sub	1.00			3369.00		
Recorder	0.00	6741	Inside	3369.00		
Blank Spacing	32.00			3401.00		
Change Over Sub	1.00			3402.00		
Perforations	30.00			3432.00		
Recorder	0.00	13221	Outside	3432.00		
Bullnose	3.00			3435.00	69.00	Bottom Packers & Anchor
Total Tool Length:	**90.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Company,Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23664 **DST#: 2**

Test Start: 2005.12.04 @ 20:00:16

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:	21000 ppm
Viscosity:	40.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.18 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4700.00 ppm				
Filter Cake:	2.00 inches				

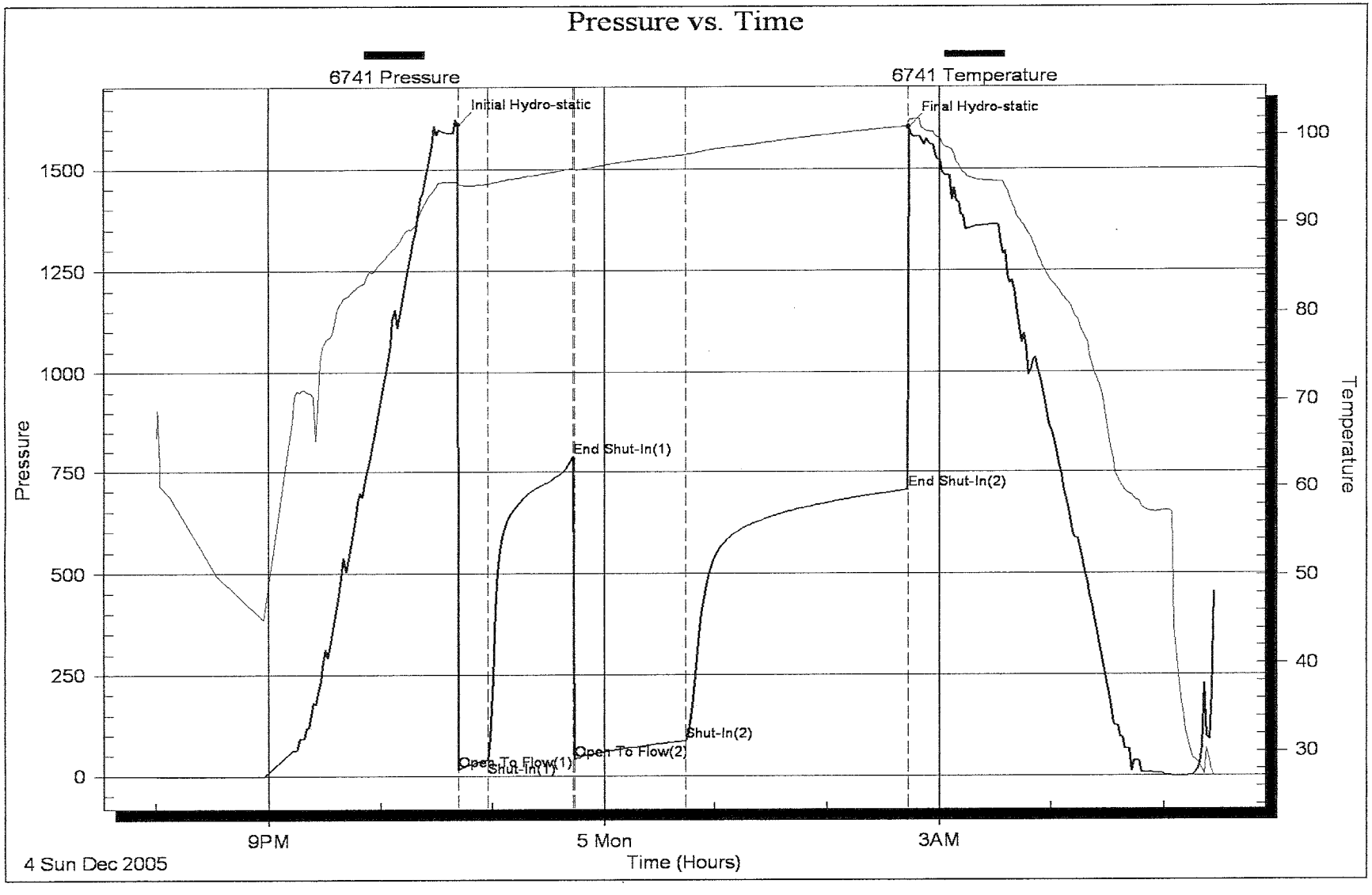
Recovery Information

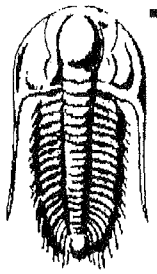
Recovery Table

Length ft	Description	Volume bbl
30.00	Mud With Oil Specks < 1%	0.148
120.00	Watery Mud W/Oil Specks <1%O-42%W-58%	0.590

Total Length: 150.00 ft Total Volume: 0.738 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Pressure
Temperature
1500
1250
1000
750
500
250
0
100
90
80
70
60
50
40
30
9PM
5 Mon
3AM
4 Sun Dec 2005
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Company,Inc.**

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

11-21s-13w-Stafford

McIlvain #1-11

Start Date: 2005.12.05 @ 22:59:35
End Date: 2005.12.06 @ 06:45:05
Job Ticket #: 23665 DST #: 3

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

DRILL STEM TEST REPORT

Mull Drilling Company,Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23665 **DST#: 3**

Test Start: 2005.12.05 @ 22:59:35

GENERAL INFORMATION:

Formation: **"J-K-L-Conglomerate"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:41:35
Time Test Ended: 06:45:05

Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 32

Interval: 3433.00 ft (KB) To 3520.00 ft (KB) (TVD)
Total Depth: 3520.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

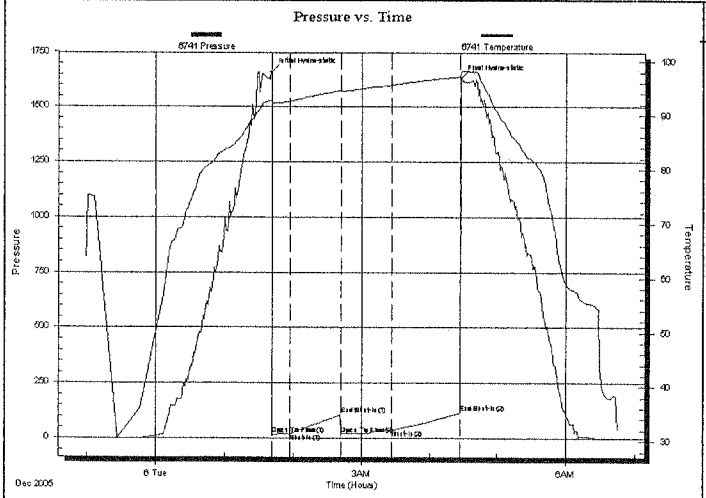
Reference Elevations: 1885.00 ft (KB)
1875.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 36.99 psig @ 3439.00 ft (KB)
Start Date: 2005.12.05 End Date: 2005.12.06
Start Time: 22:59:37 End Time: 06:45:05

Capacity: 7000.00 psig
Last Calib.: 2005.12.06
Time On Btm: 2005.12.06 @ 01:41:05
Time Off Btm: 2005.12.06 @ 04:27:50

TEST COMMENT: IFP-Weak Blow ,Built to 1-1/2"
ISI-Dead
FFP-Surge On Opening,Died,(Rig Air Froze),Flush After 25 Min.,10 Sec. Surge Then Dead
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1660.26	92.74	Initial Hydro-static
1	15.60	92.19	Open To Flow (1)
16	21.12	92.60	Shut-In(1)
61	106.25	94.61	End Shut-In(1)
61	18.18	94.56	Open To Flow (2)
106	36.99	95.63	Shut-In(2)
167	116.36	97.21	End Shut-In(2)
167	1628.81	97.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOCM-10%O-90%M	0.15

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drilling Company, Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23665 **DST#: 3**

Test Start: 2005.12.05 @ 22:59:35

Tool Information

Drill Pipe:	Length:	3189.00 ft	Diameter:	3.80 inches	Volume:	44.73 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	
					Total Volume:	45.95 bbl	

Drill Pipe Above KB:	25.00 ft
Depth to Top Packer:	3433.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	87.00 ft
Tool Length:	108.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2200.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	70000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	56000.00 lb
Final	56000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3413.00		
Shut In Tool	5.00			3418.00		
Hydraulic tool	5.00			3423.00		
Packer	5.00			3428.00	21.00	Bottom Of Top Packer
Packer	5.00			3433.00		
Stubb	1.00			3434.00		
Perforations	4.00			3438.00		
Change Over Sub	1.00			3439.00		
Recorder	0.00	6741	Inside	3439.00		
Blank Spacing	62.00			3501.00		
Change Over Sub	1.00			3502.00		
Perforations	15.00			3517.00		
Recorder	0.00	13221	Outside	3517.00		
Bullnose	3.00			3520.00	87.00	Bottom Packers & Anchor
Total Tool Length:	**108.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Company, Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23665 **DST#: 3**

Test Start: 2005.12.05 @ 22:59:35

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:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4200.00 ppm				
Filter Cake:	2.00 inches				

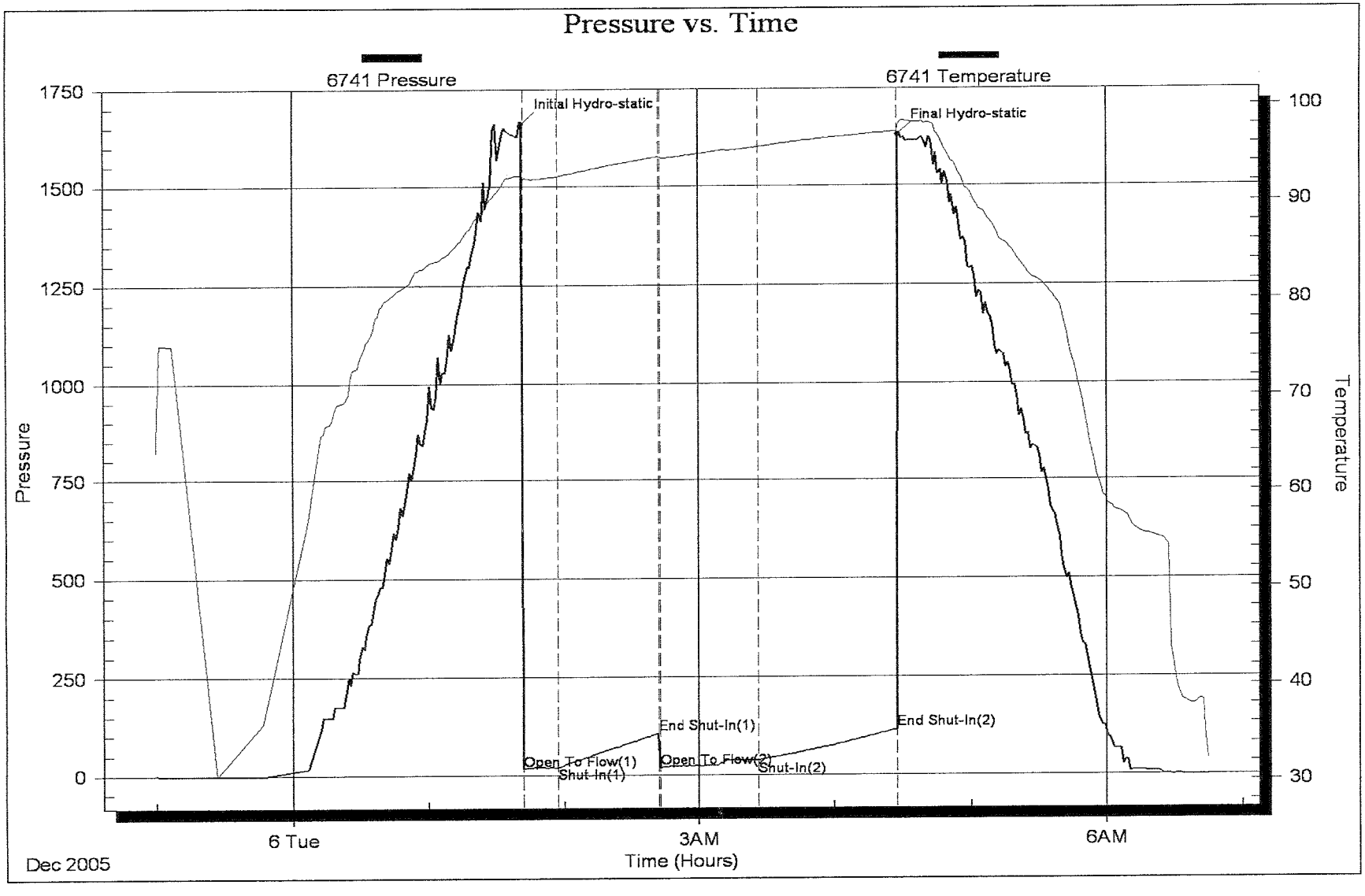
Recovery Information

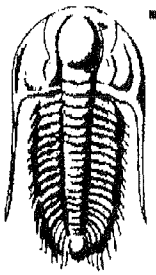
Recovery Table

Length ft	Description	Volume bbl
30.00	SOCM-10%O-90%M	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: 60' GIP


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
100
90
80
70
60
50
40
30
6 Tue
3AM
6AM
Dec 2005
Time (Hours)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mull Drilling Company,Inc.**

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

11-21s-13w-Stafford

McIlvain #1-11

Start Date: 2005.12.07 @ 10:18:37
End Date: 2005.12.07 @ 23:55:37
Job Ticket #: 23666 DST #: 4

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

DRILL STEM TEST REPORT

Mull Drilling Company,Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23666 **DST#: 4**

Test Start: 2005.12.07 @ 10:18:37

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:27:07
Time Test Ended: 23:55:37

Test Type: Conventional Straddle
Tester: Jason McLemore
Unit No: 32

Interval: 3564.00 ft (KB) To 3593.00 ft (KB) (TVD)
Total Depth: 3711.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good

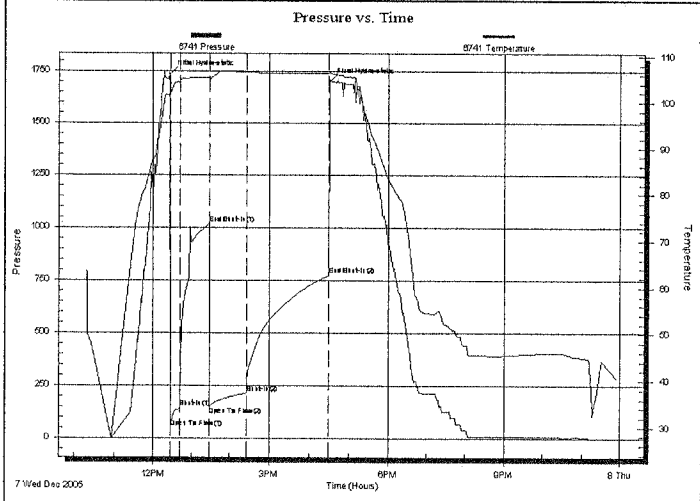
Reference Elevations: 1885.00 ft (KB)
1875.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6741 **Inside**

Press@RunDepth: 216.20 psig @ 3565.00 ft (KB)
Start Date: 2005.12.07 End Date: 2005.12.07
Start Time: 10:18:39 End Time: 23:55:37

Capacity: 7000.00 psig
Last Calib.: 2005.12.07
Time On Btm: 2005.12.07 @ 12:26:22
Time Off Btm: 2005.12.07 @ 16:31:07

TEST COMMENT: IFP-Good Blow ,Built to 6" in 6 Min, Bubble Hose Froze Off.
ISI-Dead
FFP-Good Blow ,BOB in 13 Min.,Medium Roll Throughout
FSI-Blow back After 4 Min.,Building to 1" in 20 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1734.66	101.90	Initial Hydro-static
1	52.45	101.64	Open To Flow (1)
15	144.56	104.73	Shut-In(1)
61	1017.90	105.26	End Shut-In(1)
61	152.40	105.03	Open To Flow (2)
119	216.20	106.53	Shut-In(2)
244	776.83	106.34	End Shut-In(2)
245	1699.74	106.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	Muddy Water/Oil Show <1%O-80%W-20%M	2.09
124.00	GOCWM-5%G-5%O-15%W-75%M	1.74
10.00	Clean Gassy Oil-10%G-90%O	0.14

Gas Rates

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

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drilling Company,Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23666 **DST#: 4**

Test Start: 2005.12.07 @ 10:18:37

Tool Information

Drill Pipe:	Length:	3314.00 ft	Diameter:	3.80 inches	Volume:	46.49 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.25 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	248.00 ft	Diameter:	2.25 inches	Volume:	1.22 bbl	
					Total Volume:	47.71 bbl	

Drill Pipe Above KB:	26.00 ft
Depth to Top Packer:	3564.00 ft
Depth to Bottom Packer:	3593.00 ft
Interval betw een Packers:	29.00 ft
Tool Length:	175.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:	2200.00 lb
Weight set on Packer:	25000.00 lb
Weight to Pull Loose:	64000.00 lb
Tool Chased	0.00 ft
String Weight: Initial	60000.00 lb
Final	60000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3537.00		
Shut In Tool	5.00			3542.00		
Hydraulic tool	5.00			3547.00		
Jars	5.00			3552.00		
Safety Joint	2.00			3554.00		
Packer	5.00			3559.00	28.00	Bottom Of Top Packer
Packer	5.00			3564.00		
Stubb	1.00			3565.00		
Recorder	0.00	6741	Inside	3565.00		
Perforations	24.00			3589.00		
Recorder	0.00	13252	Outside	3589.00		
Blank Off Sub	1.00			3590.00		
Blank Spacing	3.00			3593.00	29.00	Tool Interval
Packer	1.00			3594.00		
Stubb	1.00			3595.00		
Perforations	11.00			3606.00		
Change Over Sub	1.00			3607.00		
Recorder	0.00	13221	Below	3607.00		
Blank Spacing	95.00			3702.00		
Change Over Sub	1.00			3703.00		
Perforations	5.00			3708.00		
Bullnose	3.00			3711.00	118.00	Bottom Packers & Anchor
Total Tool Length:	**175.00**					

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drilling Company, Inc.

PO Box 2758
Wichita, KS 67201

ATTN: Roger Martin

McIlvain #1-11

11-21s-13w-Stafford

Job Ticket: 23666 **DST#: 4**

Test Start: 2005.12.07 @ 10:18:37

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	38 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	21000 ppm
Viscosity:	42.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5500.00 ppm				
Filter Cake:	2.00 inches				

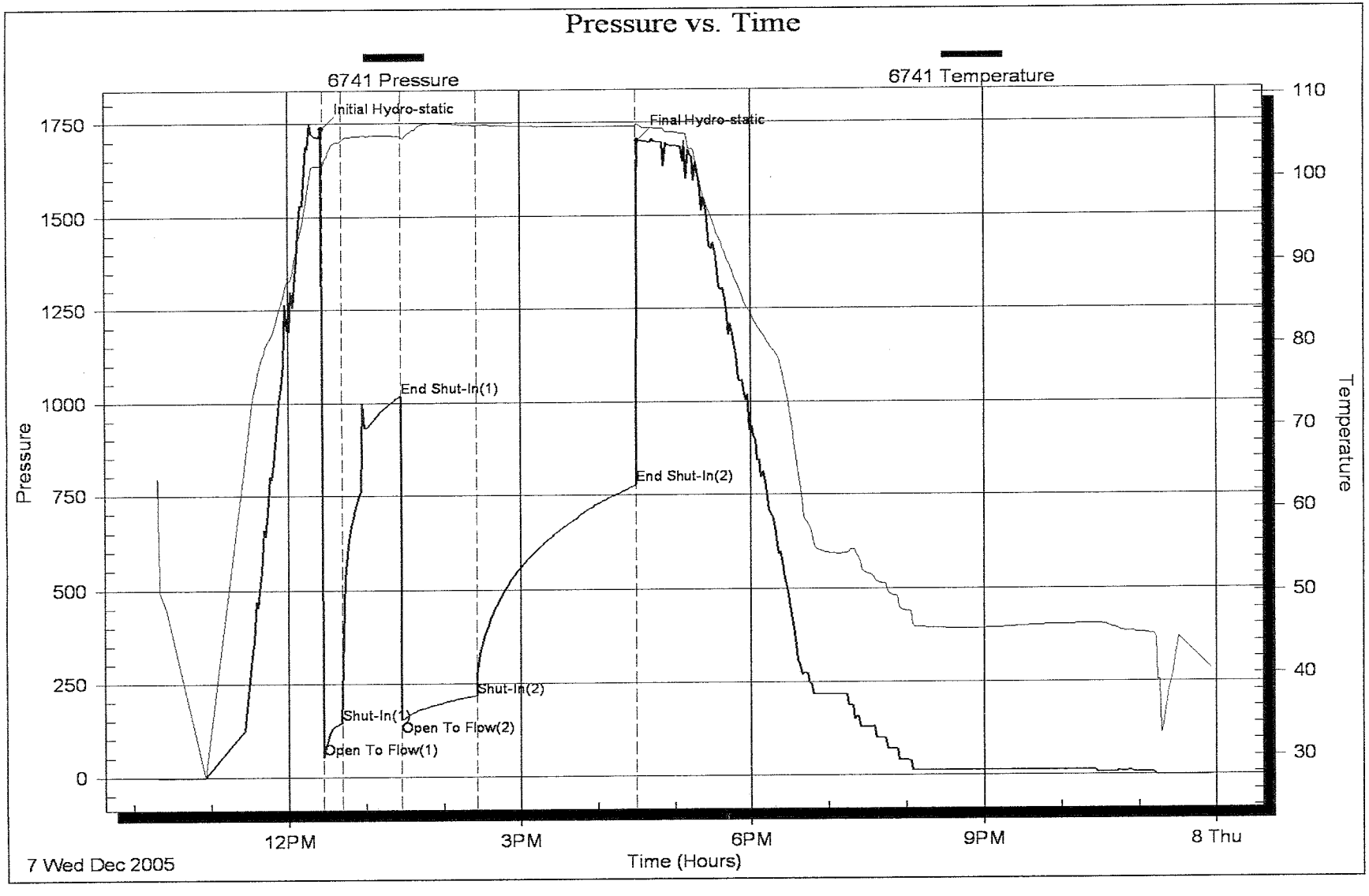
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	Muddy Water/Oil Show <1%O-80%W-20%M	2.089
124.00	GOCWM-5%G-5%O-15%W-75%M	1.739
10.00	Clean Gassy Oil-10%G-90%O	0.140

Total Length: 444.00 ft Total Volume: 3.968 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:


Pressure vs. Time
6741 Pressure
6741 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Shut-In(1)
Shut-In(2)
Open To Flow(1)
Open To Flow(2)
Pressure
Temperature
1750
1500
1250
1000
750
500
250
0
110
100
90
80
70
60
50
40
30
12PM
3PM
6PM
9PM
8 Thu
7 Wed Dec 2005
Time (Hours)