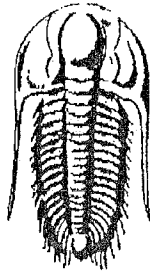


15-185-23316

30-21s-12w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Mull Drlg.Co.Inc.**

P.O.Box 2758
Wichita KS 67201

CONFIDENTIAL **KCC**
AUG 03 2005

ATTN: Roger L.Martin

CONFIDENTIAL

30-21s-12w Stafford

Hayden-Fischer #1-30

Start Date: 2005.06.04 @ 03:55:38

End Date: 2005.06.04 @ 14:50:38

Job Ticket #: 21705

DST #: 1

RECEIVED

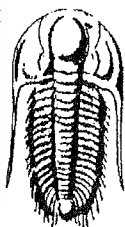
AUG 05 2005

KCC WICHITA

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 Drig. Co. Inc.

P.O.Box 2758
Wichita Ks.67201

ATTN: Roger L.Martin

Hayden-Fischer #1-30

30-21s-12w Stafford

Job Ticket: 21705

DST#: 1

Test Start: 2005.06.04 @ 03:55:38

GENERAL INFORMATION:

Formation: **Lans KC a - h**

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

Time Tool Opened: 07:01:23

Time Test Ended: 14:50:38

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pavoteaux**

Unit No: **23**

Interval: **3291.00 ft (KB) To 3439.00 ft (KB) (TVD)**

Total Depth: **3439.00 ft (KB) (TVD)**

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

Reference Elevations: **1873.00 ft (KB)**

1864.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: **6755**

Inside

Press@RunDepth: **489.41 psig @ 3292.00 ft (KB)**

Start Date: **2005.06.04**

End Date:

2005.06.04

Capacity: **7000.00 psig**

Last Calib.: **2005.06.04**

Start Time: **03:55:43**

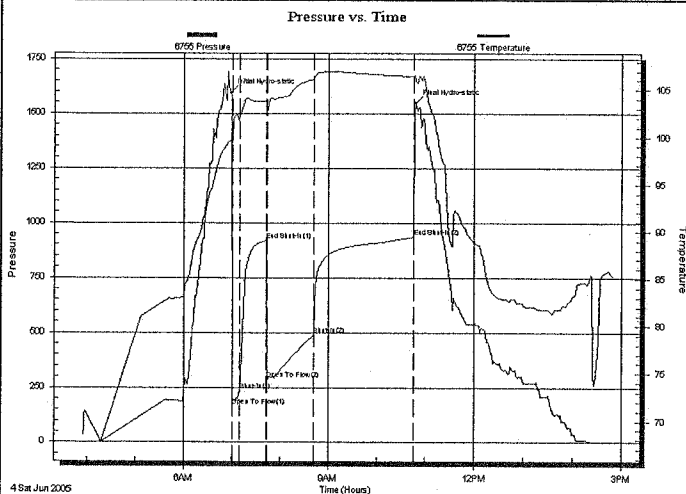
End Time:

14:50:38

Time On Btm: **2005.06.04 @ 06:59:23**

Time Off Btm: **2005.06.04 @ 10:47:53**

TEST COMMENT: IF: Strong blow. B.O.B. in 44 secs.
IS: GTS in 4 mins. Fair blow. Increase to 8".
FF: Strong blow. (see gas volume report)
FS: Strong blow. B.O.B.



PRESSURE SUMMARY

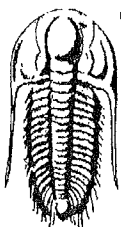
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1595.74	99.63	Initial Hydro-static
2	164.77	99.42	Open To Flow (1)
12	234.50	102.23	Shut-In (1)
44	918.18	103.78	End Shut-In (1)
45	285.58	102.51	Open To Flow (2)
103	489.41	106.14	Shut-In (2)
226	935.73	106.44	End Shut-In (2)
229	1548.81	106.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
165.00	GMCO 35%g 10% m 55%o	0.81
560.00	CGO 30%g 70%o	7.10
495.00	GMCO 45%g 16% m 39%o	6.94
90.00	GOCM 23%g 9%o 68% m	1.26

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	1.00	56.41
Last Gas Rate	0.25	1.00	24.43
Max. Gas Rate	0.25	5.00	30.78



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drig. Co. Inc.

Hayden-Fischer #1-30

P.O.Box 2758
Wichita Ks. 67201

30-21s-12w Stafford

Job Ticket: 21705

DST#: 1

ATTN: Roger L. Martin

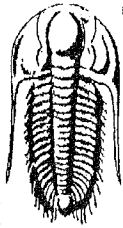
Test Start: 2005.06.04 @ 03:55:38

Tool Information

Drill Pipe:	Length: 3020.00 ft	Diameter: 3.80 inches	Volume: 42.36 bbl	Tool Weight: 2100.00 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 77000.00 lb
		Total Volume: 43.58 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3291.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	148.00 ft			
Tool Length:	175.00 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			3265.00	
Shut In Tool	5.00			3270.00	
Hydraulic tool	5.00			3275.00	
Jars	5.00			3280.00	
Safety Joint	2.00			3282.00	
Packer	4.00			3286.00	27.00 Bottom Of Top Packer
Packer	5.00			3291.00	
Stubb	1.00			3292.00	
Recorder	0.00	6755	Inside	3292.00	
Perforations	3.00			3295.00	
Change Over Sub	1.00			3296.00	
Blank Spacing	127.00			3423.00	
Change Over Sub	1.00			3424.00	
Perforations	10.00			3434.00	
Recorder	0.00	13222	Outside	3434.00	
Bullnose	5.00			3439.00	148.00 Bottom Packers & Anchor
Total Tool Length:		175.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drig.Co.Inc.

Hayden-Fischer #1-30

P.O.Box 2758
Wichita Ks.67201

30-21s-12w Stafford

Job Ticket: 21705

DST#: 1

ATTN: Roger L.Martin

Test Start: 2005.06.04 @ 03:55:38

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API: 36.6 deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: 3000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure: psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
165.00	GMCO 35%g 10%m 55%o	0.811
560.00	CGO 30%g 70%o	7.099
495.00	GMCO 45%g 16%m 39%o	6.944
90.00	GOCM 23%g 9%o 68%m	1.262

Total Length: 1310.00 ft

Total Volume: 16.116 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

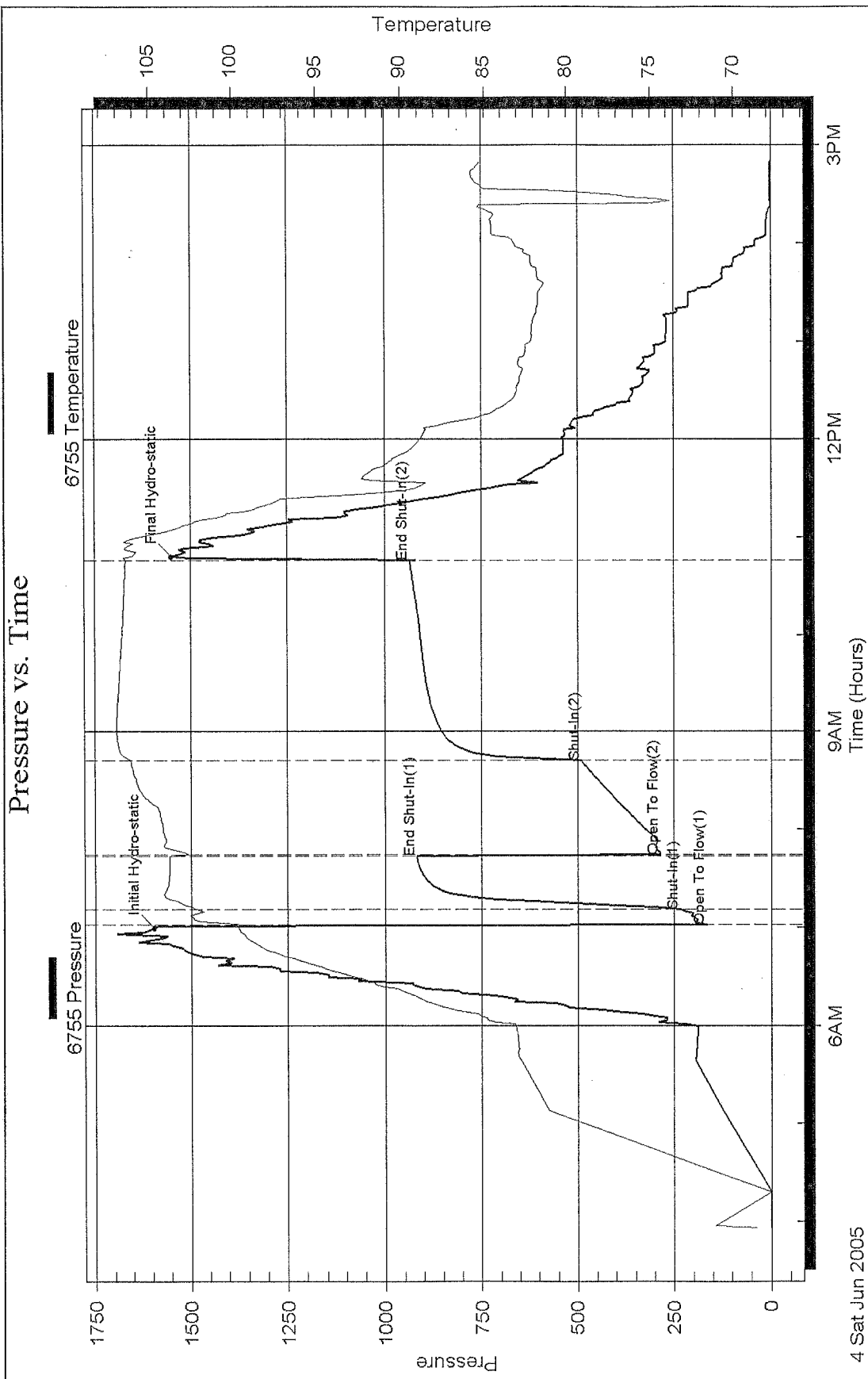
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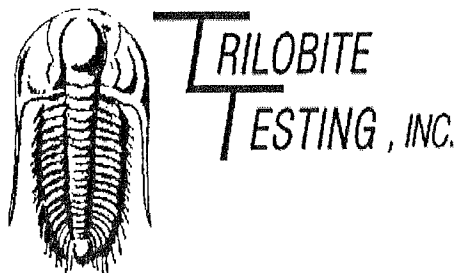
Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Mull Drlg.Co.Inc.**

P.O.Box 2758
Wichita Ks.67201

ATTN: Roger L.Martin

30-21s-12w Stafford

Hayden-Fischer #1-30

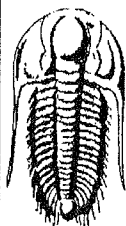
Start Date: 2005.06.04 @ 21:38:13

End Date: 2005.06.05 @ 06:10:58

Job Ticket #: 21706

DST #: 2

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 Drlg.Co.Inc.

P.O.Box 2758
Wichita Ks.67201

ATTN: Roger L.Martin

Hayden-Fischer #1-30

30-21s-12w Stafford

Job Ticket: 21706

DST#:2

Test Start: 2005.06.04 @ 21:38:13

GENERAL INFORMATION:

Formation: **Lans KC i**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:17:58

Time Test Ended: 06:10:58

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3436.00 ft (KB) To 3455.00 ft (KB) (TVD)**

Total Depth: 3455.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1873.00 ft (KB)

1864.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6755

Inside

Press@RunDepth: 29.97 psig @ 3437.00 ft (KB)

Start Date: 2005.06.04

End Date: 2005.06.05

Start Time: 21:38:18

End Time: 06:10:58

Capacity: 7000.00 psig

Last Calib.: 2005.06.05

Time On Btm: 2005.06.05 @ 00:16:28

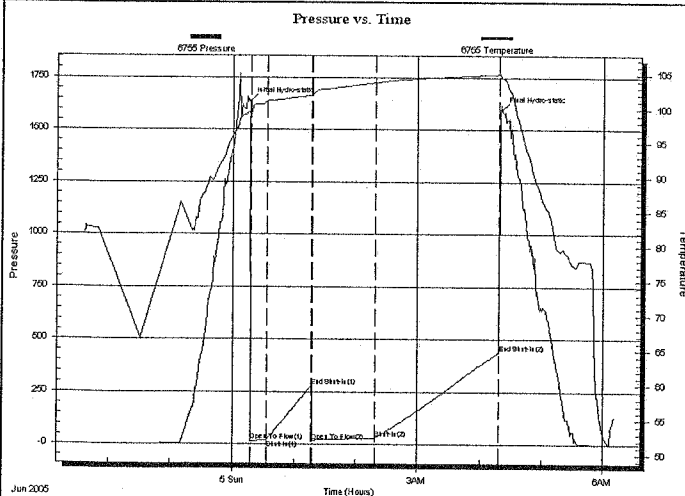
Time Off Btm: 2005.06.05 @ 04:20:43

TEST COMMENT: IF:Weak to fair blow . Slow increase to 6".

IS:No blow .

FF:Fair blow . 4 - 8".

FS:No blow .



PRESSURE SUMMARY

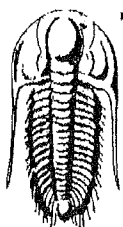
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1635.63	99.53	Initial Hydro-static
2	16.97	99.16	Open To Flow (1)
17	20.08	101.10	Shut-In(1)
61	279.59	101.91	End Shut-In(1)
61	18.17	101.91	Open To Flow (2)
123	29.97	103.79	Shut-In(2)
242	437.57	105.02	End Shut-In(2)
245	1595.68	104.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SOCM <1%o 99% Thin layer of	0.17
0.00	clean oil @ top of tool.	0.00
0.00	265 ft. of GIP	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drlg.Co.Inc.

Hayden-Fischer #1-30

P.O.Box 2758
Wichita Ks.67201

30-21s-12w Stafford

Job Ticket: 21706

DST#: 2

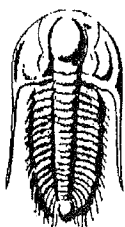
ATTN: Roger L.Martin

Test Start: 2005.06.04 @ 21:38:13

Tool Information

Drill Pipe:	Length: 3179.00 ft	Diameter: 3.80 inches	Volume: 44.59 bbl	Tool Weight: 2100.00 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume:	45.81 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3436.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	39.00 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			3417.00	
Shut In Tool	5.00			3422.00	
Hydraulic tool	5.00			3427.00	
Packer	4.00			3431.00	20.00 Bottom Of Top Packer
Packer	5.00			3436.00	
Stubb	1.00			3437.00	
Recorder	0.00	6755	Inside	3437.00	
Perforations	13.00			3450.00	
Recorder	0.00	13222	Outside	3450.00	
Bullnose	5.00			3455.00	19.00 Bottom Packers & Anchor
Total Tool Length:		39.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drig.Co.Inc.

Hayden-Fischer #1-30

P.O.Box 2758
Wichita Ks.67201

30-21s-12w Stafford

Job Ticket: 21706

DST#: 2

ATTN: Roger L.Martin

Test Start: 2005.06.04 @ 21:38:13

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: 4000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	SOCM<1%o 99% m Thin layer of	0.172
0.00	clean oil @ top of tool.	0.000
0.00	265 ft. of GIP	0.000

Total Length: 35.00 ft Total Volume: 0.172 bbl

Num Fluid Samples: 0

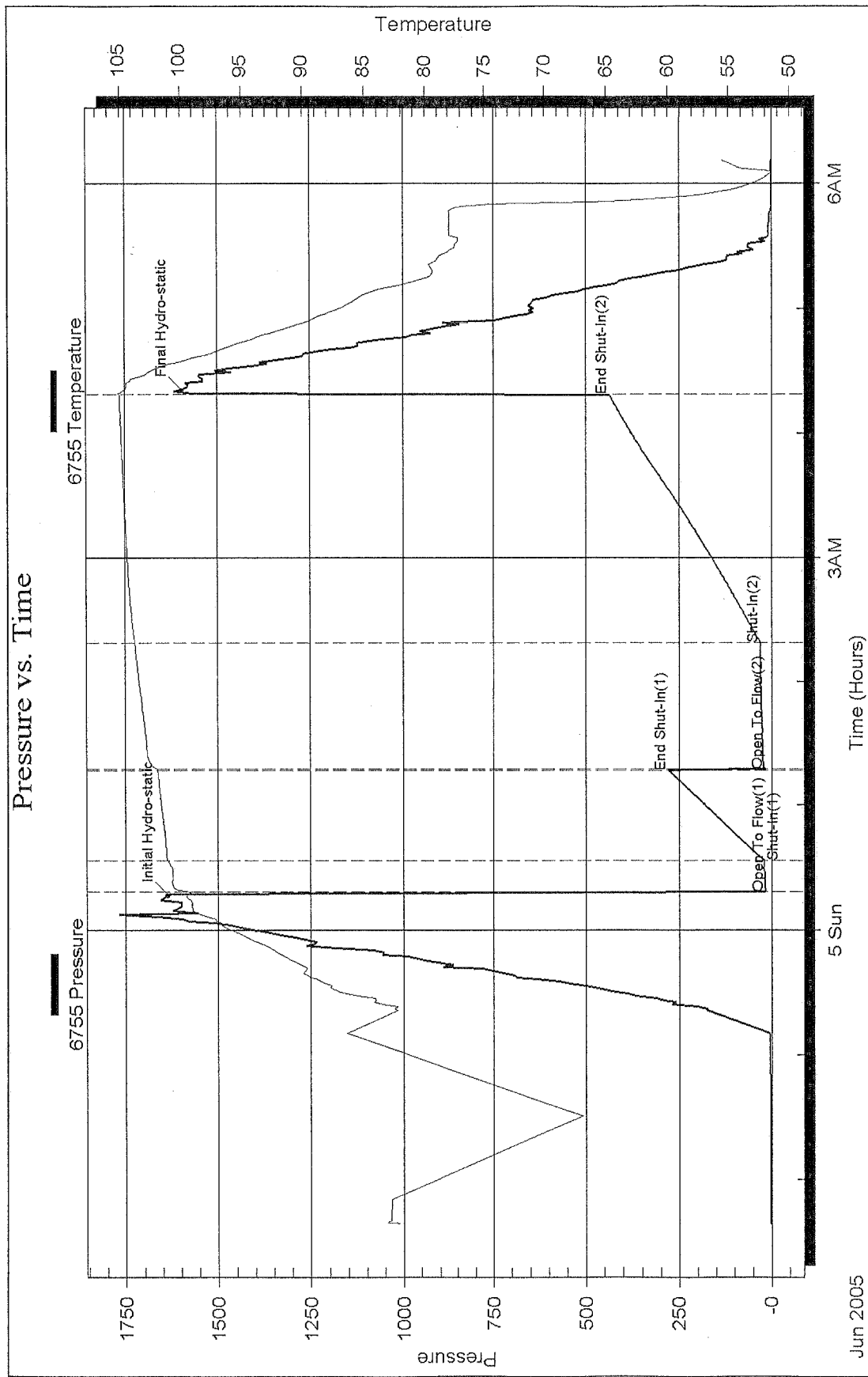
Num Gas Bombs: 0

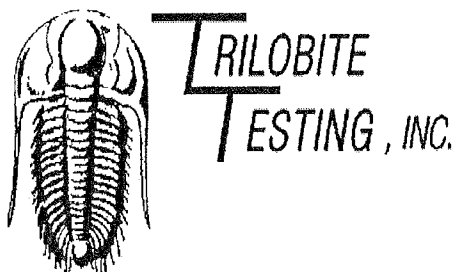
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Mull Drlg.Co.Inc.**

P.O.Box 2758
Wichita Ks.67201

ATTN: Roger L.Martin

30-21s-12w Stafford

Hayden-Fischer #1-30

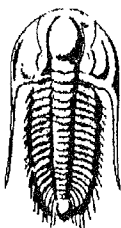
Start Date: 2005.06.05 @ 16:49:34

End Date: 2005.06.06 @ 01:27:19

Job Ticket #: 21707

DST #: 3

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 Drlg.Co.Inc.

P.O.Box 2758
Wichita Ks.67201

ATTN: Roger L.Martin

Hayden-Fischer #1-30

30-21s-12w Stafford

Job Ticket: 21707

DST#: 3

Test Start: 2005.06.05 @ 16:49:34

GENERAL INFORMATION:

Formation: **Lans KC j - I/Con**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:05:04

Time Test Ended: 01:27:19

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3453.00 ft (KB) To 3533.00 ft (KB) (TVD)**

Total Depth: 3533.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1873.00 ft (KB)

1864.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6755

Inside

Press@RunDepth: 100.84 psig @ 3454.00 ft (KB)

Start Date: 2005.06.05

End Date:

2005.06.06

Start Time: 16:49:39

End Time:

01:27:19

Capacity: 7000.00 psig

Last Calib.: 2005.06.06

Time On Btm: 2005.06.05 @ 19:01:19

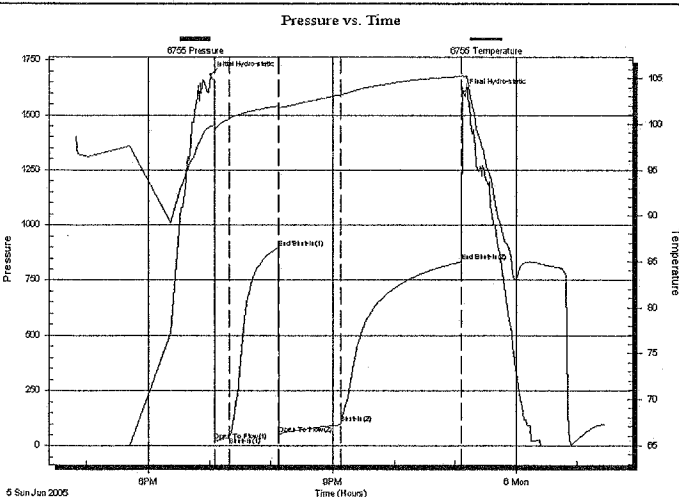
Time Off Btm: 2005.06.05 @ 23:08:19

TEST COMMENT: IF:Fair blow . Slow increase to 11".

IS:No blow .

FF:Fair to strong blow . B.O.B. i n 36 mins.

FS:No blow .



PRESSURE SUMMARY

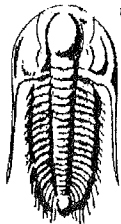
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1681.88	99.74	Initial Hydro-static
4	22.84	99.28	Open To Flow (1)
19	41.68	100.59	Shut-In(1)
66	897.99	101.99	End Shut-In(1)
67	53.47	101.83	Open To Flow (2)
126	100.84	103.20	Shut-In(2)
245	834.24	105.24	End Shut-In(2)
247	1604.25	105.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	O&GC,WM 8%o 16%g 32%w 44%rn	0.64
5.00	Clean oil	0.02
0.00	360 ft. of GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drlg.Co.Inc.

Hayden-Fischer #1-30

P.O.Box 2758
Wichita Ks.67201

30-21s-12w Stafford

Job Ticket: 21707

DST#: 3

ATTN: Roger L.Martin

Test Start: 2005.06.05 @ 16:49:34

Tool Information

Drill Pipe:	Length: 3209.00 ft	Diameter: 3.80 inches	Volume: 45.01 bbl	Tool Weight:	2100.00 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose:	70000.00 lb
			Total Volume: 46.23 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3453.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	80.00 ft				
Tool Length:	100.00 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			3434.00	
Shut In Tool	5.00			3439.00	
Hydraulic tool	5.00			3444.00	
Packer	4.00			3448.00	20.00 Bottom Of Top Packer
Packer	5.00			3453.00	
Stubb	1.00			3454.00	
Recorder	0.00	6755	Inside	3454.00	
Perforations	3.00			3457.00	
Change Over Sub	1.00			3458.00	
Blank Spacing	64.00			3522.00	
Change Over Sub	1.00			3523.00	
Perforations	5.00			3528.00	
Recorder	0.00	13222	Outside	3528.00	
Bullnose	5.00			3533.00	80.00 Bottom Packers & Anchor

Total Tool Length: 100.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drlg.Co.Inc.

Hayden-Fischer #1-30

P.O.Box 2758
Wichita Ks.67201

30-21s-12w Stafford

Job Ticket: 21707

DST#: 3

ATTN: Roger L.Martin

Test Start: 2005.06.05 @ 16:49:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.79 in³

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
130.00	O&GC,WM 8%o 16%g 32%w 44%m	0.639
5.00	Clean oil	0.025
0.00	360 ft. of GIP	0.000

Total Length: 135.00 ft

Total Volume: 0.664 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 3

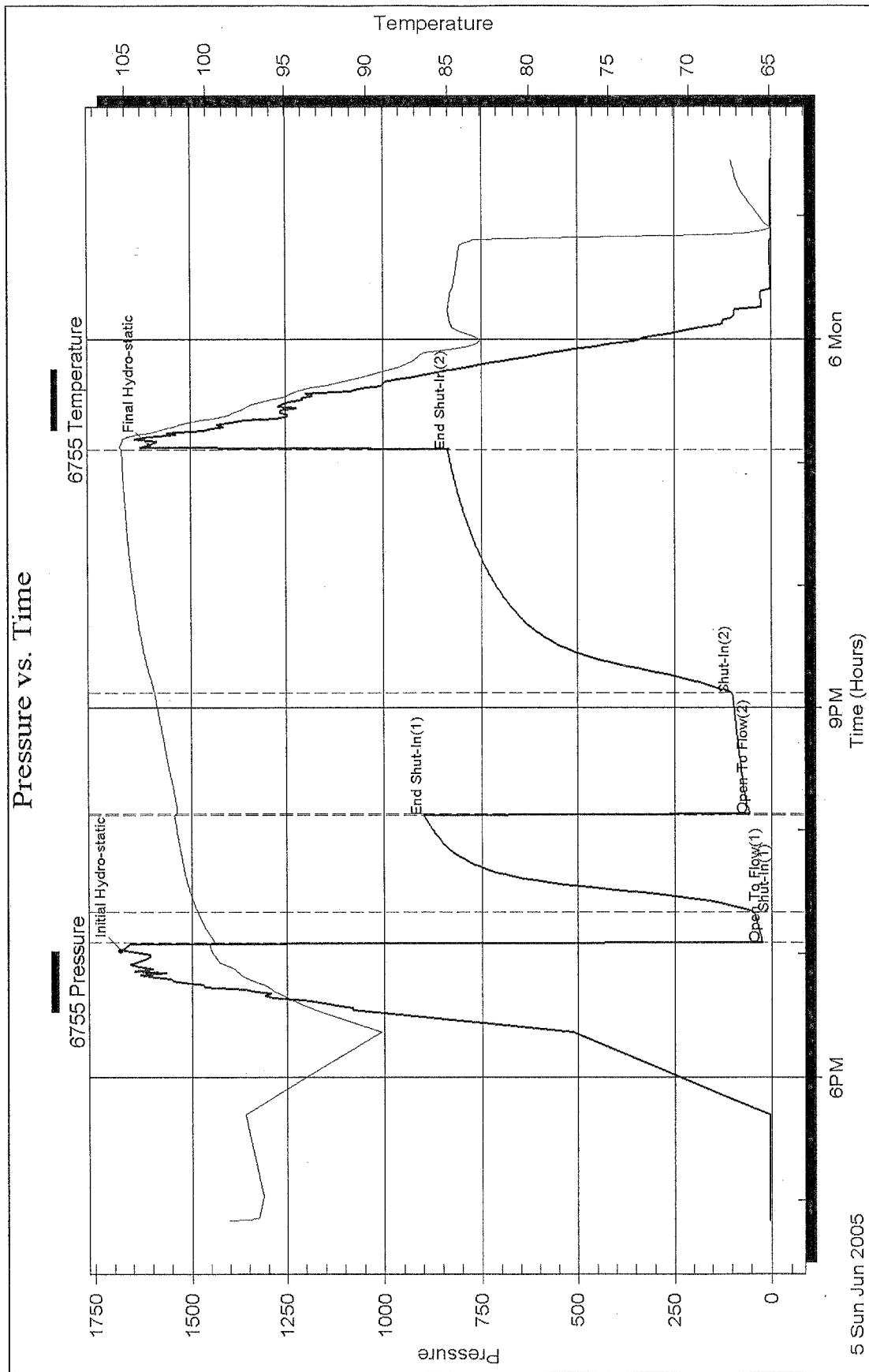
30-21s-12w Stafford

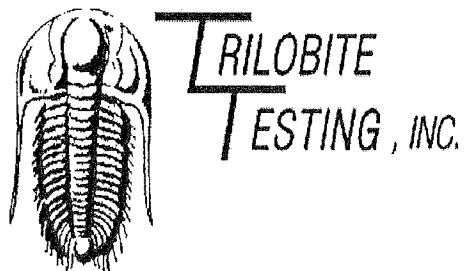
Mull Drfg.Co.Inc.

Inside

Serial #: 6755

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Mull Drlg.Co.Inc.**

P.O.Box 2758
Wichita Ks.67201

ATTN: Roger L.Martin

30-21s-12w Stafford

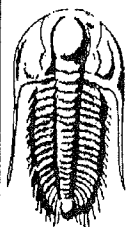
Hayden-Fischer #1-30

Start Date: 2005.06.06 @ 14:57:32

End Date: 2005.06.07 @ 00:41:32

Job Ticket #: 21708 DST #: 4

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 Drlg.Co.Inc.

P.O.Box 2758
Wichita Ks.67201

ATTN: Roger L.Martin

Hayden-Fischer #1-30

30-21s-12w Stafford

Job Ticket: 21708

DST#: 4

Test Start: 2005.06.06 @ 14:57:32

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:43:02

Time Test Ended: 00:41:32

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 23

Interval: **3520.00 ft (KB) To 3662.00 ft (KB) (TVD)**

Total Depth: 3662.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1873.00 ft (KB)

1864.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 6755

Inside

Press@RunDepth: 424.56 psig @ 3521.00 ft (KB)

Start Date: 2005.06.06

End Date:

2005.06.07

Start Time: 14:57:37

End Time:

00:41:32

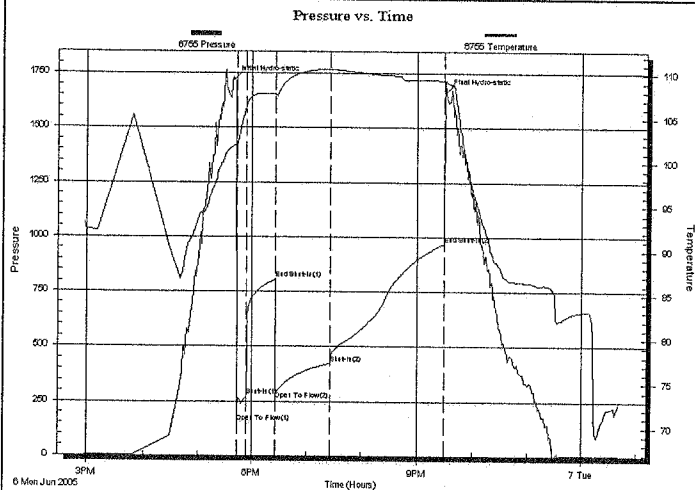
Capacity: 7000.00 psig

Last Calib.: 2005.06.07

Time On Btm: 2005.06.06 @ 17:40:17

Time Off Btm: 2005.06.06 @ 21:31:02

TEST COMMENT: IF:Strong blow . B.O.B. in 2 mins.
IS:Very weak blow . 50 mins. in to FSIP
FF:Strong blow . B.O.B. in 2 mins.
FSI:No blow .



PRESSURE SUMMARY

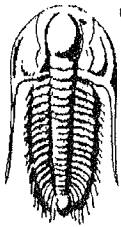
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1721.04	101.90	Initial Hydro-static
3	153.63	101.17	Open To Flow (1)
14	272.47	106.45	Shut-In (1)
46	807.23	107.81	End Shut-In (1)
46	294.37	107.67	Open To Flow (2)
106	424.56	110.58	Shut-In (2)
230	968.69	109.31	End Shut-In (2)
231	1662.68	109.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
690.00	SW Rw .11 ohms @ 67 deg.	7.42
120.00	MW w/ oil specs 26% m 74% w	1.68
90.00	SOCWM 2% o 30% w 68% m	1.26

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Mull Drlg. Co. Inc.

Hayden-Fischer #1-30

P.O.Box 2758
Wichita Ks.67201

30-21s-12w Stafford

Job Ticket: 21708

DST#: 4

ATTN: Roger L.Martin

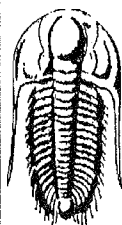
Test Start: 2005.06.06 @ 14:57:32

Tool Information

Drill Pipe:	Length: 3273.00 ft	Diameter: 3.80 inches	Volume: 45.91 bbl	Tool Weight: 2100.00 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: 248.00 ft	Diameter: 2.25 inches	Volume: 1.22 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume:	47.13 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	3520.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	142.00 ft			
Tool Length:	169.00 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			3494.00	
Shut In Tool	5.00			3499.00	
Hydraulic tool	5.00			3504.00	
Jars	5.00			3509.00	
Safety Joint	2.00			3511.00	
Packer	4.00			3515.00	27.00 Bottom Of Top Packer
Packer	5.00			3520.00	
Stubb	1.00			3521.00	
Recorder	0.00	6755	Inside	3521.00	
Perforations	3.00			3524.00	
Change Over Sub	1.00			3525.00	
Blank Spacing	126.00			3651.00	
Change Over Sub	1.00			3652.00	
Perforations	5.00			3657.00	
Recorder	0.00	13222	Outside	3657.00	
Bullnose	5.00			3662.00	142.00 Bottom Packers & Anchor
Total Tool Length:		169.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Mull Drlg.Co.Inc.

Hayden-Fischer #1-30

P.O.Box 2758
Wichita Ks.67201

30-21s-12w Stafford

Job Ticket: 21708

DST#:4

ATTN: Roger L.Martin

Test Start: 2005.06.06 @ 14:57:32

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:

70000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.39 in³

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
690.00	SW Rw .11 ohms @ 67 deg.	7.420
120.00	MW w/ oil specs 26%m 74%w	1.683
90.00	SOCWM 2%o 30%w 68%m	1.262

Total Length: 900.00 ft

Total Volume: 10.365 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 4

30-21s-12w Stafford

Mull Drig Co. Inc.

Inside

Serial #: 6755

Pressure vs. Time

