

Hummon Corporation

Merril Trust #6-36

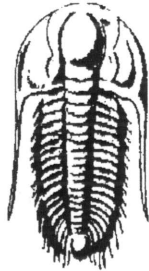
36-33s-16w

DST # 1

Marmaton to Miss.

2005.11.14

CONFIDENTIAL  
MAR 02 2006  
KCC



TRILOBITE  
TESTING, INC.

### DRILL STEM TEST REPORT

Prepared For: **Hummon Corporation**

950 N. Tyler Rd.  
Wichita, KS 67212

ATTN: Brent Reinhardt

**36-33s-16w**

**Merril Trust #6-36**

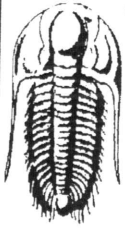
Start Date: 2005.11.14 @ 18:57:39

End Date: 2005.11.15 @ 02:12:24

Job Ticket #: 21434                      DST #: 1

RECEIVED  
KANSAS CORPORATION COMMISSION  
MAR 06 2006  
CONSERVATION DIVISION  
WICHITA, KS

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



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Hummon Corporation

**Merril Trust #6-36**

950 N. Tyler Rd.  
Wichita, KS 67212

**36-33s-16w**

Job Ticket: 21434

**DST#: 1**

ATTN: Brent Reinhardt

Test Start: 2005.11.14 @ 18:57:39

## GENERAL INFORMATION:

Formation: **Marmaton to Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 02:12:24

Test Type: Conventional Straddle

Tester: Davy Cline

Unit No: 24

Interval: **4720.00 ft (KB) To 4914.00 ft (KB) (TVD)**

Total Depth: 5299.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1753.00 ft (KB)

1743.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6753** Inside

Press@RunDepth: psig @ 4721.00 ft (KB)

Start Date: 2005.11.14

End Date: 2005.11.15

Capacity: 7000.00 psig

Start Time: 18:57:40

End Time: 02:12:24

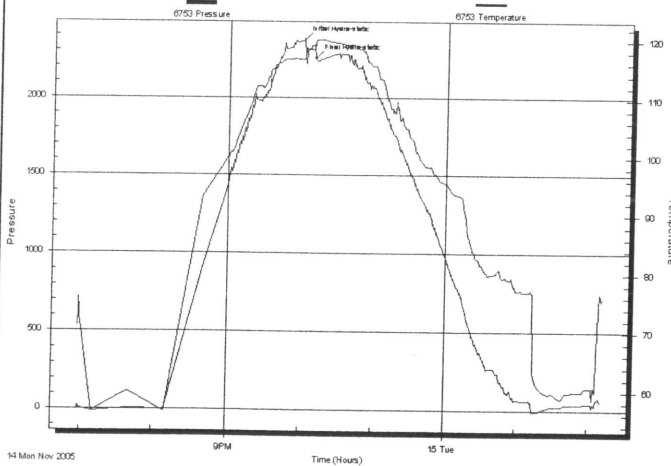
Last Calib.: 2005.11.15

Time On Btm: 2005.11.14 @ 22:01:54

Time Off Btm: 2005.11.14 @ 22:11:09

TEST COMMENT: IF: Packers did not hold. Picked up & reset. Packers still did not hold.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2369.07	116.91	Initial Hydro-static
10	2250.86	119.78	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
500.00	Drilling mud	5.13

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Hummon Corporation

Merril Trust #6-36

950 N. Tyler Rd.  
Wichita, KS 67212

36-33s-16w

Job Ticket: 21434

DST#: 1

ATTN: Brent Reinhardt

Test Start: 2005.11.14 @ 18:57:39

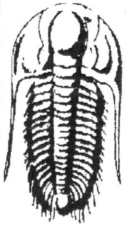
### Tool Information

Drill Pipe:	Length: 4697.00 ft	Diameter: 3.25 inches	Volume: 48.19 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 48.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4720.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	4914.00 ft			
Interval between Packers:	194.00 ft			
Tool Length:	608.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4693.00	
Shut In Tool	5.00			4698.00	
Hydraulic tool	5.00			4703.00	
Jars	5.00			4708.00	
Safety Joint	2.00			4710.00	
Packer	5.00			4715.00	28.00 Bottom Of Top Packer
Packer	5.00			4720.00	
Stubb	1.00			4721.00	
Recorder	0.00	6753	Inside	4721.00	
Perforations	32.00			4753.00	
Change Over Sub	1.00			4754.00	
Blank Spacing	155.00			4909.00	
Change Over Sub	1.00			4910.00	
Recorder	0.00	13249	Outside	4910.00	
Blank Off Sub	4.00			4914.00	194.00 Tool Interval
Packer	1.00			4915.00	
Stubb	1.00			4916.00	
Perforations	7.00			4923.00	
Change Over Sub	1.00			4924.00	
Blank Spacing	372.00			5296.00	
Change Over Sub	1.00			5297.00	
Recorder	0.00	13400	Outside	5297.00	
Bullhose	3.00			5300.00	386.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>608.00</b>				



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hummon Corporation

**Merril Trust #6-36**

950 N. Tyler Rd.  
Wichita, KS 67212

**36-33s-16w**

Job Ticket: 21434

**DST#: 1**

ATTN: Brent Reinhardt

Test Start: 2005.11.14 @ 18:57:39

## 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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
500.00	Drilling mud	5.130

Total Length: 500.00 ft

Total Volume: 5.130 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

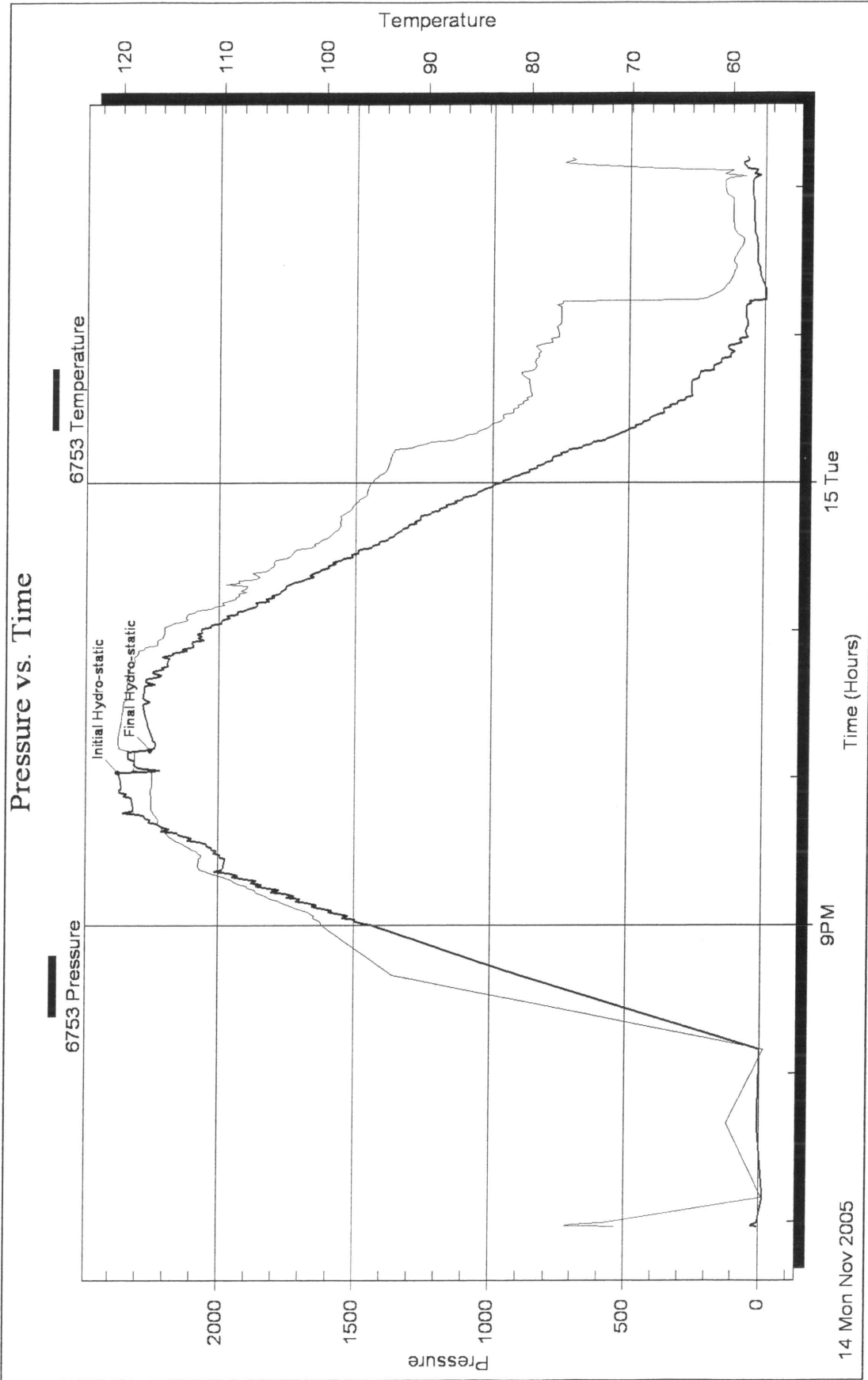
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Hummon Corporation**

950 N. Tyler Rd.  
Wichita, KS 67212

ATTN: Brent Reinhardt

**36-33s-16w**

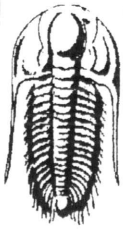
**Merril Trust #6-36**

Start Date: 2005.11.15 @ 02:19:02

End Date: 2005.11.15 @ 10:44:47

Job Ticket #: 21435                      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

Hummon Corporation

950 N. Tyler Rd.  
Wichita, KS 67212

ATTN: Brent Reinhardt

**Merril Trust #6-36**

**36-33s-16w**

Job Ticket: 21435

**DST#: 2**

Test Start: 2005.11.15 @ 02:19:02

### GENERAL INFORMATION:

Formation: **Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 10:44:47

Test Type: Conventional Straddle

Tester: Davy Cline

Unit No: 24

Interval: **4774.00 ft (KB) To 4915.00 ft (KB) (TVD)**

Reference Elevations: 1753.00 ft (KB)

Total Depth: 5299.00 ft (KB) (TVD)

1743.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 6753** Inside

Press@RunDepth: psig @ 4775.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.11.15

End Date: 2005.11.15

Last Calib.: 2005.11.15

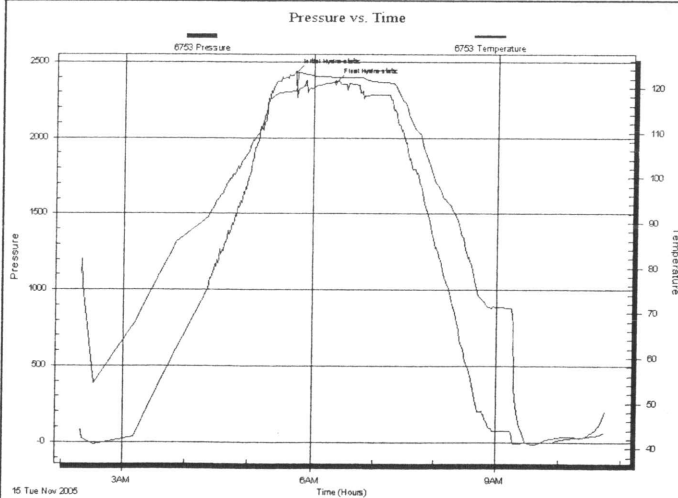
Start Time: 02:19:03

End Time: 10:44:47

Time On Btm: 2005.11.15 @ 05:43:47

Time Off Btm: 2005.11.15 @ 06:21:32

TEST COMMENT: IF: Packers did not hold. Picked up & reset. Packers still did not hold.



### PRESSURE SUMMARY

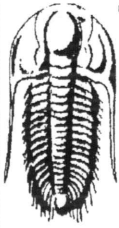
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2429.84	119.27	Initial Hydro-static
38	2367.65	122.43	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
400.00	Drilling Mud	4.10

### Gas Rates

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



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TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Hunmon Corporation

Merril Trust #6-36

950 N. Tyler Rd.  
Wichita, KS 67212

36-33s-16w

Job Ticket: 21435

DST#: 2

ATTN: Brent Reinhardt

Test Start: 2005.11.15 @ 02:19:02

### Tool Information

Drill Pipe:	Length: 4759.00 ft	Diameter: 3.25 inches	Volume: 48.83 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: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			<u>Total Volume: 48.83 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	4774.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	4915.00 ft			
Interval between Packers:	141.00 ft			
Tool Length:	554.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4747.00	
Shut In Tool	5.00			4752.00	
Hydraulic tool	5.00			4757.00	
Jars	5.00			4762.00	
Safety Joint	2.00			4764.00	
Packer	5.00			4769.00	28.00 Bottom Of Top Packer
Packer	5.00			4774.00	
Stubb	1.00			4775.00	
Recorder	0.00	6753	Inside	4775.00	
Perforations	10.00			4785.00	
Change Over Sub	1.00			4786.00	
Blank Spacing	124.00			4910.00	
Change Over Sub	1.00			4911.00	
Recorder	0.00	13249	Outside	4911.00	
Blank Off Sub	4.00			4915.00	141.00 Tool Interval
Packer	1.00			4916.00	
Stubb	1.00			4917.00	
Perforations	6.00			4923.00	
Change Over Sub	1.00			4924.00	
Blank Spacing	372.00			5296.00	
Change Over Sub	1.00			5297.00	
Recorder	0.00	13400	Outside	5297.00	
Bullnose	3.00			5300.00	385.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>554.00</b>				



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Hummon Corporation

**Merril Trust #6-36**

950 N. Tyler Rd.  
Wichita, KS 67212

**36-33s-16w**

Job Ticket: 21435

**DST#: 2**

ATTN: Brent Reinhardt

Test Start: 2005.11.15 @ 02:19:02

## 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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
400.00	Drilling Mud	4.104

Total Length: 400.00 ft

Total Volume: 4.104 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6753

Inside Hummon Corporation

36-33s-16w

DST Test Number: 2

### Pressure vs. Time

