

15-039-21002

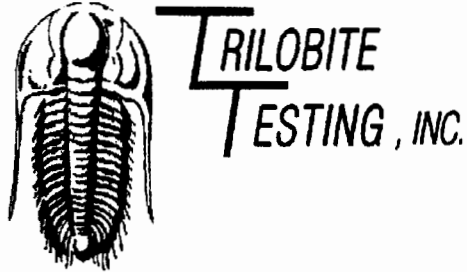
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RECEIVED  
KANSAS CORPORATION COMMISSION

OCT 30 2007

CONSERVATION DIVISION  
WICHITA KS



### DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc**

250 N Water Ste 300  
Wichita KS 67202

ATTN: Terry McLeod

**36 2 27 Decatur KS**

**FSR #1-36**

Start Date: 2007.07.02 @ 22:14:12

End Date: 2007.07.03 @ 05:59:42

Job Ticket #: 27797                      DST #: 1

**CONFIDENTIAL**  
**OCT 30 2007**  
**KCC**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Company Inc

FSR #1-36

36 2 27 Decatur KS

DST # 1

L,KC "C"

2007.07.02



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

Job Ticket: 27797

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2007.07.02 @ 22:14:12

## GENERAL INFORMATION:

Formation: **L, KC "C"**

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

Time Tool Opened: 00:23:52

Time Test Ended: 05:59:42

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **22**

Interval: **3484.00 ft (KB) To 3562.00 ft (KB) (TVD)**

Total Depth: **3562.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2609.00 ft (KB)**

**2604.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 6799** **Inside**

Press@RunDepth: **30.66 psig @ 3485.00 ft (KB)**

Start Date: **2007.07.02**

Start Time: **22:14:14**

End Date: **2007.07.03**

End Time: **05:59:42**

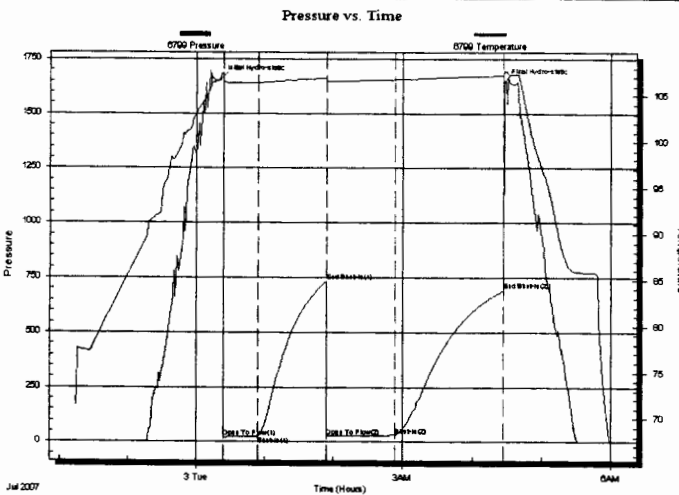
Capacity: **7000.00 psig**

Last Calib.: **2007.07.03**

Time On Btm: **2007.07.03 @ 00:21:32**

Time Off Btm: **2007.07.03 @ 04:27:32**

**TEST COMMENT:** IF Weak blow @ .25" by 11 minutes dead blow after 24 minutes.  
ISI No blow back  
FF No blow  
FSI No blow back



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1654.24	106.69	Initial Hydro-static
3	20.13	106.48	Open To Flow (1)
33	25.06	106.42	Shut-In (1)
93	733.31	106.92	End Shut-In (1)
94	26.13	106.64	Open To Flow (2)
153	30.66	106.77	Shut-In (2)
246	693.65	107.22	End Shut-In (2)
246	1645.27	107.56	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSOSM >1%O <99%M	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

Job Ticket: 27797

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2007.07.02 @ 22:14:12

### Tool Information

Drill Pipe:	Length: 2993.00 ft	Diameter: 3.80 inches	Volume: 41.98 bbl	Tool Weight: 3000.00 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: 485.00 ft	Diameter: 2.25 inches	Volume: 2.39 bbl	Weight to Pull Loose: 95000.00 lb
		<b>Total Volume:</b>	<b>44.37 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3484.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.00 ft			
Tool Length:	106.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3461.00	
Hydraulic tool	5.00			3466.00	
Jars	5.00			3471.00	
Safety Joint	3.00			3474.00	
Packer	5.00			3479.00	28.00 Bottom Of Top Packer
Packer	5.00			3484.00	
Stubb	1.00			3485.00	
Recorder	0.00	6799	Inside	3485.00	
Perforations	10.00			3495.00	
Blank Spacing	64.00			3559.00	
Recorder	0.00	10270	Outside	3559.00	
Bullnose	3.00			3562.00	78.00 Bottom Packers & Anchor

**Total Tool Length: 106.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

Job Ticket: 27797

**DST#: 1**

ATTN: Terry McLeod

Test Start: 2007.07.02 @ 22:14:12

**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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

**Recovery Information**

**Recovery Table**

Length ft	Description	Volume bbl
10.00	VSOSM >1%O <99%M	0.049

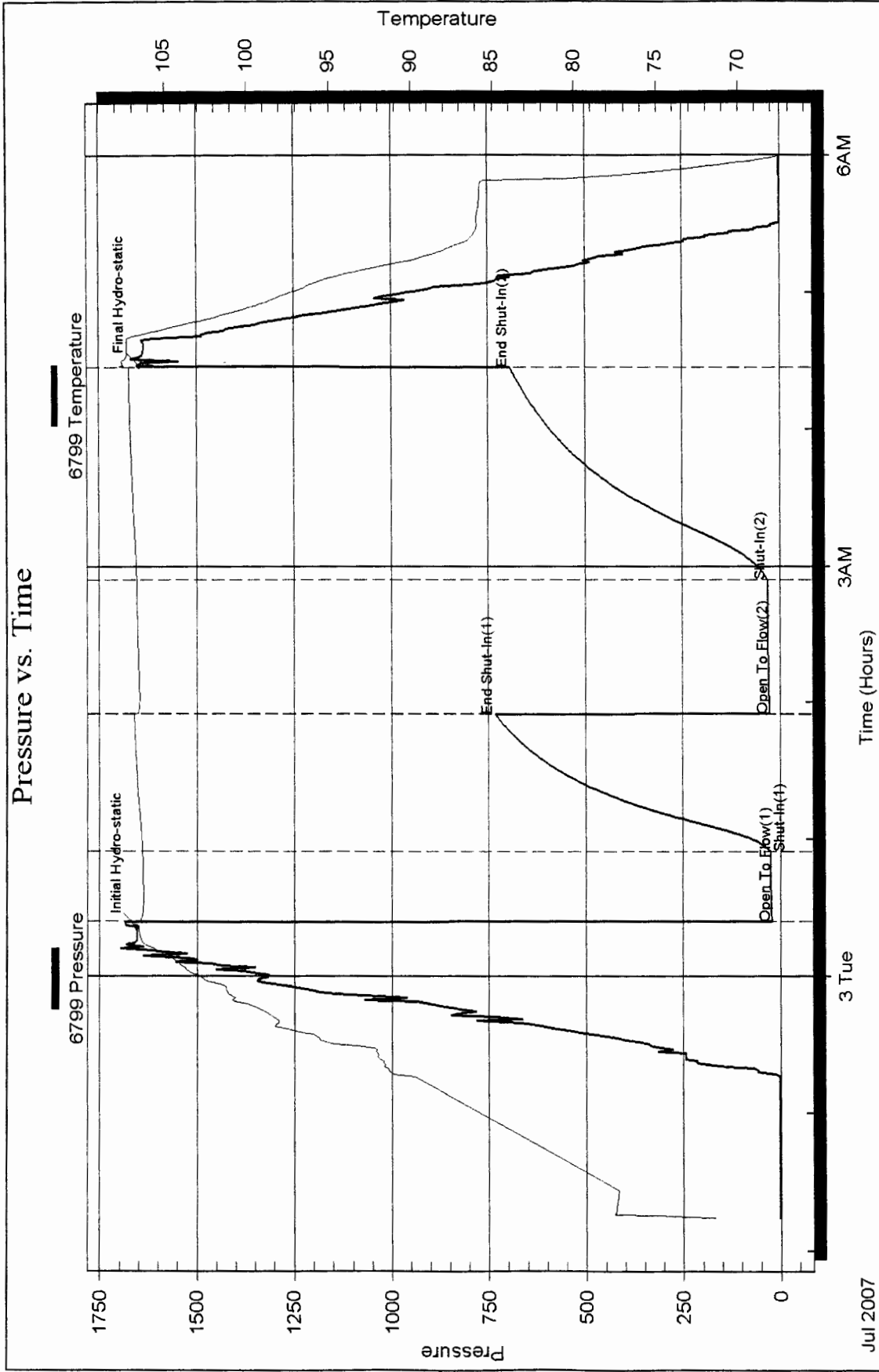
Total Length: 10.00 ft      Total Volume: 0.049 bbl

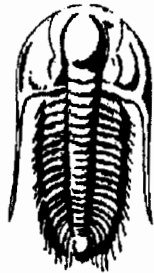
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc**

250 N Water Ste 300  
Wichita KS 67202

ATTN: Terry McLeod

**36 2 27 Decatur KS**

**FSR #1-36**

Start Date: 2007.07.03 @ 10:12:08

End Date: 2007.07.03 @ 17:38:38

Job Ticket #: 27798                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Company Inc

FSR #1-36

36 2 27 Decatur KS

DST # 2

L,KC "D"

2007.07.03



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

Job Ticket: 27798

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2007.07.03 @ 10:12:08

## GENERAL INFORMATION:

Formation: **L, KC "D"**

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

Time Tool Opened: 11:35:58

Time Test Ended: 17:38:38

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **22**

Interval: **3538.00 ft (KB) To 3574.00 ft (KB) (TVD)**

Total Depth: **3574.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2609.00 ft (KB)**

**2604.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 6799**

**Inside**

Press@RunDepth: **391.56 psig @ 3539.00 ft (KB)**

Start Date: **2007.07.03**

End Date:

**2007.07.03**

Start Time: **10:12:10**

End Time:

**17:38:38**

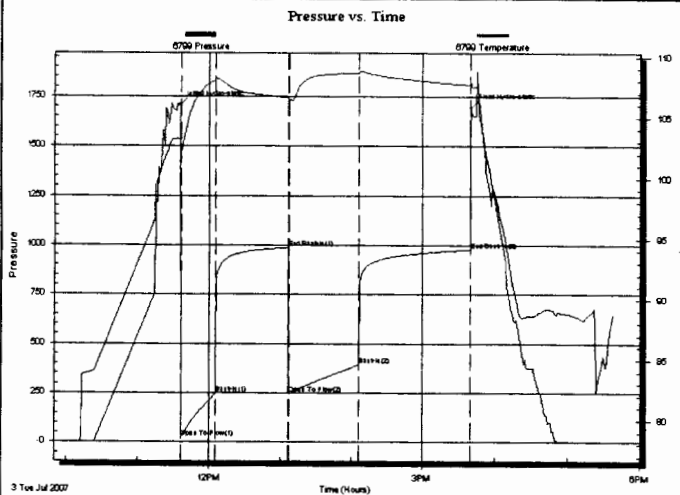
Capacity: **7000.00 psig**

Last Calib.: **2007.07.03**

Time On Btm: **2007.07.03 @ 11:35:18**

Time Off Btm: **2007.07.03 @ 15:40:28**

**TEST COMMENT:** IF Strong blow built to BOB in 12 minutes.  
ISI Bled off no blow back  
FF Strong blow built to BOB in 17 minutes.  
FSI Bled off no blow back



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1706.32	103.26	Initial Hydro-static
1	21.31	102.60	Open To Flow (1)
31	243.36	108.00	Shut-In(1)
92	987.43	106.64	End Shut-In(1)
92	247.36	106.38	Open To Flow(2)
151	391.56	108.64	Shut-In(2)
245	975.61	107.70	End Shut-In(2)
246	1695.37	107.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
745.00	Salt Water 100%W	6.03
60.00	SOSMCW >1%O 35%M 65%W	0.84
5.00	Clean Oil 100%O	0.07
0.00	RW=.11 OHMS@95degF=50500ppmCHL	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

Job Ticket: 27798

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2007.07.03 @ 10:12:08

### Tool Information

Drill Pipe:	Length: 3059.00 ft	Diameter: 3.80 inches	Volume: 42.91 bbl	Tool Weight: 2500.00 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: 485.00 ft	Diameter: 2.25 inches	Volume: 2.39 bbl	Weight to Pull Loose: 95000.00 lb
		<u>Total Volume:</u>	<u>45.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3538.00 ft			Final 73000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3520.00	
Hydraulic tool	5.00			3525.00	
Safety Joint	3.00			3528.00	
Packer	5.00			3533.00	23.00 Bottom Of Top Packer
Packer	5.00			3538.00	
Stubb	1.00			3539.00	
Recorder	0.00	6799	Inside	3539.00	
Perforations	32.00			3571.00	
Recorder	0.00	10270	Outside	3571.00	
Bullnose	3.00			3574.00	36.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>59.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

Job Ticket: 27798

**DST#: 2**

ATTN: Terry McLeod

Test Start: 2007.07.03 @ 10:12:08

### 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.58 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
745.00	Salt Water 100%W	6.032
60.00	SOSMCW >1%O 35%M 65%W	0.842
5.00	Clean Oil 100%O	0.070
0.00	RW=.11 OHMS@95degF=50500ppmCHL	0.000

Total Length: 810.00 ft

Total Volume: 6.944 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

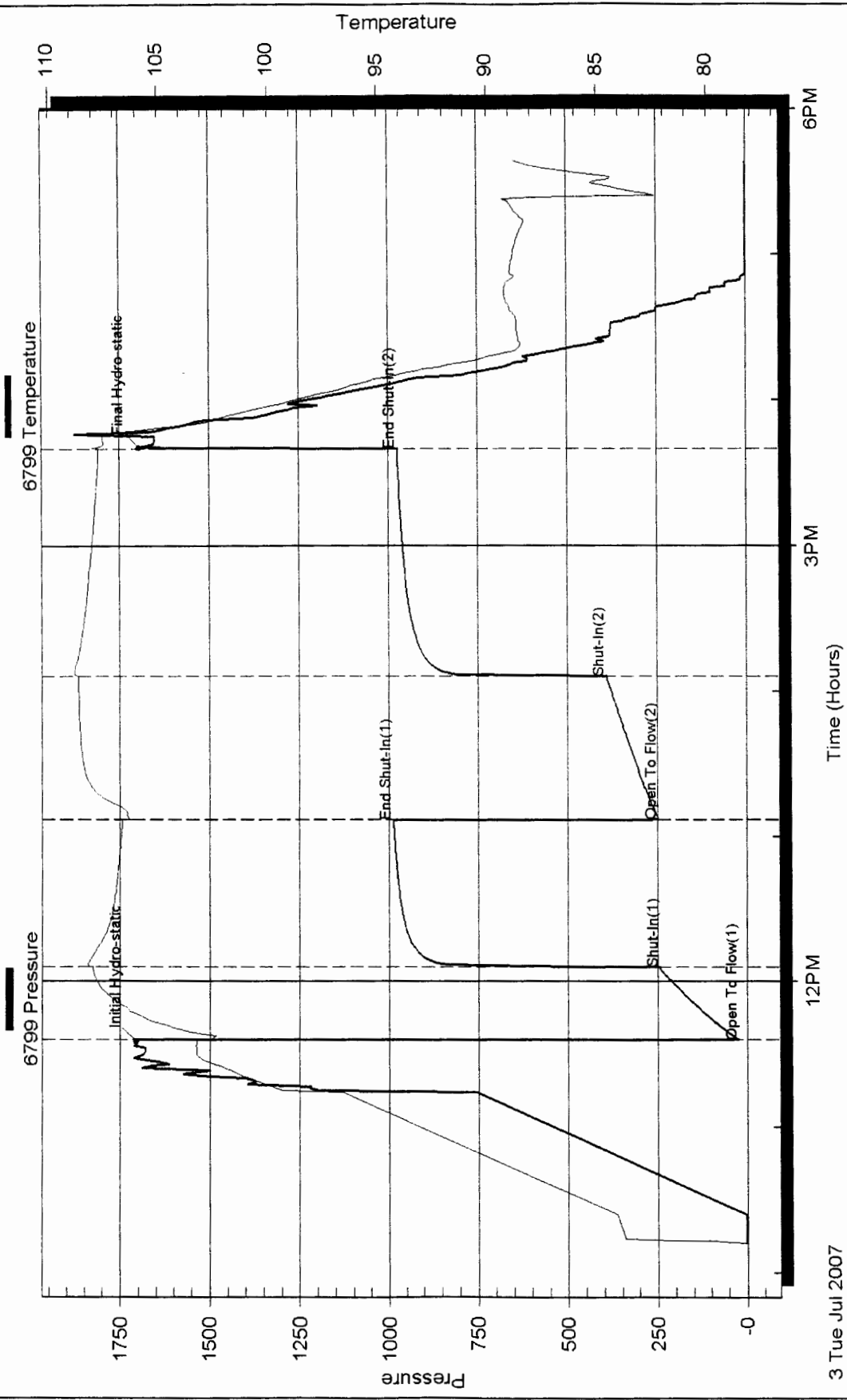
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time



3 Tue Jul 2007



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc**

250 N Water Ste 300  
Wichita KS 67202

ATTN: Terry McLeod

**36 2 27 Decatur KS**

**FSR #1-36**

Start Date: 2007.07.04 @ 04:09:56

End Date: 2007.07.04 @ 10:52:56

Job Ticket #: 27799                      DST #: 3

**CONFIDENTIAL**  
**OCT 30 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

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

ATTN: Terry McLeod

Job Ticket: 27799

**DST#: 3**

Test Start: 2007.07.04 @ 04:09:56

## GENERAL INFORMATION:

Formation: **L, KC "F,G,H"**

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

Time Tool Opened: 06:11:26

Time Test Ended: 10:52:56

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **22**

Interval: **3584.00 ft (KB) To 3660.00 ft (KB) (TVD)**

Total Depth: **3660.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2609.00 ft (KB)**

**2604.00 ft (CF)**

KB to GR/CF: **5.00 ft**

**Serial #: 6799**

**Inside**

Press@RunDepth: **22.14 psig @ 3585.00 ft (KB)**

Start Date: **2007.07.04**

End Date: **2007.07.04**

Capacity: **7000.00 psig**

Last Calib.: **2007.07.04**

Start Time: **04:09:58**

End Time: **10:52:56**

Time On Btm: **2007.07.04 @ 06:11:06**

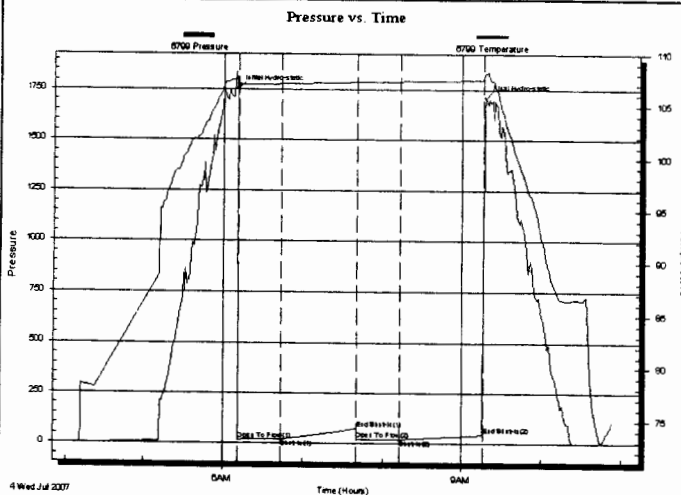
Time Off Btm: **2007.07.04 @ 09:17:36**

**TEST COMMENT:** IF Weak blow @ 1.25 " by 15 minutes dead blow after 28 minutes.

ISI No blow back

FF No blow

FSI No blow back



## PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.90	107.73	Initial Hydro-static
1	17.13	106.69	Open To Flow (1)
33	20.65	107.08	Shut-In (1)
90	75.59	107.28	End Shut-In (1)
90	20.93	107.25	Open To Flow (2)
123	22.14	107.34	Shut-In (2)
186	44.04	107.48	End Shut-In (2)
187	1709.54	108.16	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud 100%M	0.05

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

ATTN: Terry McLeod

Job Ticket: 27799

**DST#: 3**

Test Start: 2007.07.04 @ 04:09:56

**Tool Information**

Drill Pipe:	Length: 3091.00 ft	Diameter: 3.80 inches	Volume: 43.36 bbl	Tool Weight: 3000.00 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: 485.00 ft	Diameter: 2.25 inches	Volume: 2.39 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 45.75 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	3584.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	99.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3566.00	
Hydraulic tool	5.00			3571.00	
Safety Joint	3.00			3574.00	
Packer	5.00			3579.00	23.00 Bottom Of Top Packer
Packer	5.00			3584.00	
Stubb	1.00			3585.00	
Recorder	0.00	6799	Inside	3585.00	
Perforations	40.00			3625.00	
Blank Spacing	32.00			3657.00	
Recorder	0.00	10270	Outside	3657.00	
Bullnose	3.00			3660.00	76.00 Bottom Packers & Anchor

**Total Tool Length: 99.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

Job Ticket: 27799

**DST#: 3**

ATTN: Terry McLeod

Test Start: 2007.07.04 @ 04:09:56

## 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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 800.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud 100%M	0.049

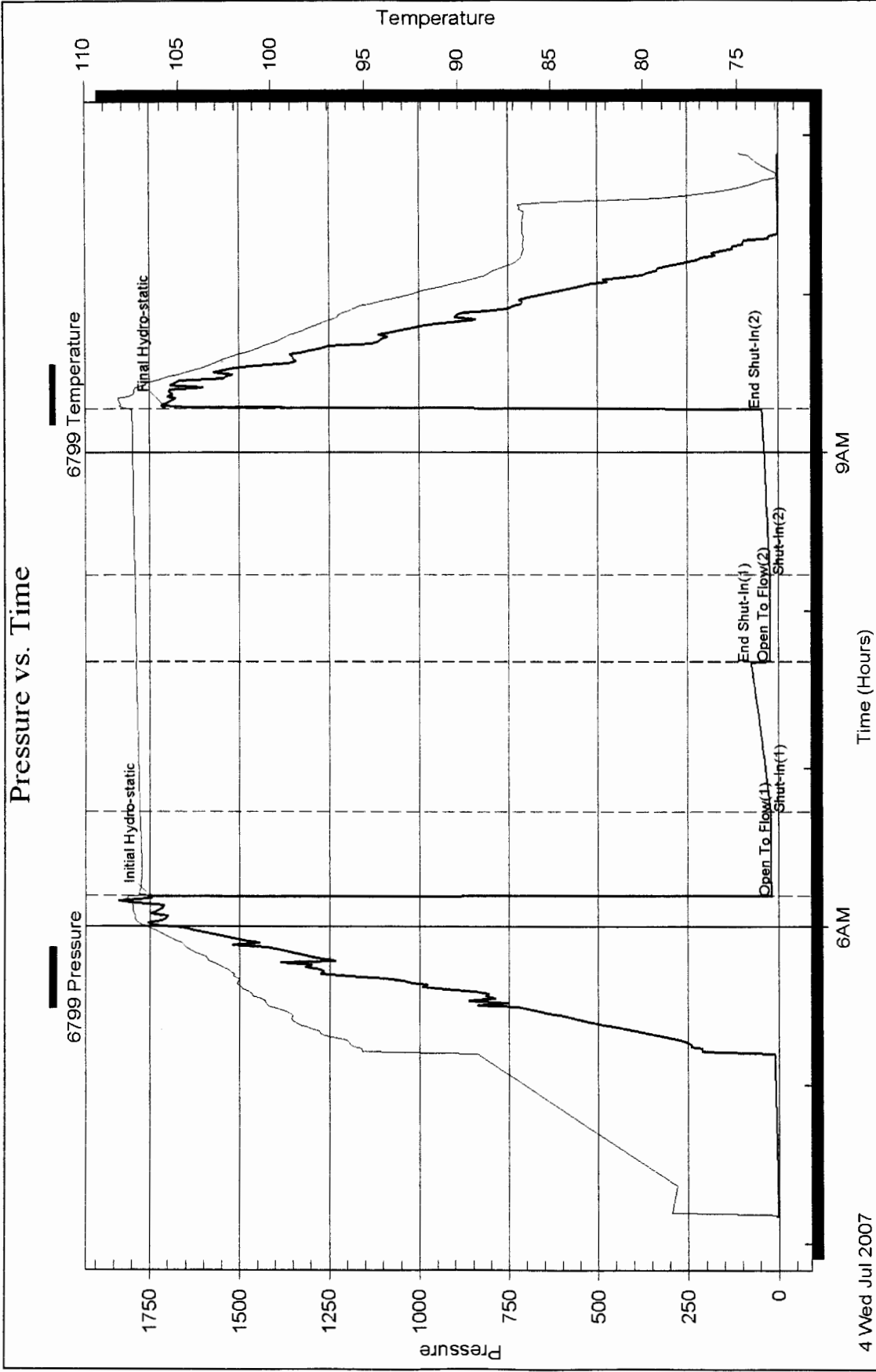
Total Length: 10.00 ft      Total Volume: 0.049 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

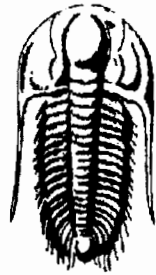
### Pressure vs. Time



4 Wed Jul 2007

6AM

9AM



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Company Inc**

250 N Water Ste 300  
Wichita KS 67202

ATTN: Terry McLeod

**36 2 27 Decatur KS**

**FSR #1-36**

Start Date: 2007.07.04 @ 18:20:00

End Date: 2007.07.05 @ 00:40:09

Job Ticket #: 27800                      DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Murfin Drilling Company Inc

FSR #1-36

36 2 27 Decatur KS

DST # 4

L,KC "J,K,L"

2007.07.04



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

Job Ticket: 27800

**DST#: 4**

ATTN: Terry McLeod

Test Start: 2007.07.04 @ 18:20:00

## GENERAL INFORMATION:

Formation: **L,KC "J,K,L"**

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

Time Tool Opened: 19:50:40

Time Test Ended: 00:40:09

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **22**

Interval: **3651.00 ft (KB) To 3735.00 ft (KB) (TVD)**

Total Depth: **3735.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2609.00 ft (KB)**

**2604.00 ft (CF)**

**KB to GR/CF: 5.00 ft**

**Serial #: 6799** **Inside**

Press@RunDepth: **66.90 psig @ 3652.00 ft (KB)**

Start Date: **2007.07.04**

End Date:

**2007.07.05**

Capacity: **7000.00 psig**

Last Calib.: **2007.07.05**

Start Time: **18:20:02**

End Time:

**00:40:10**

Time On Btm: **2007.07.04 @ 19:50:20**

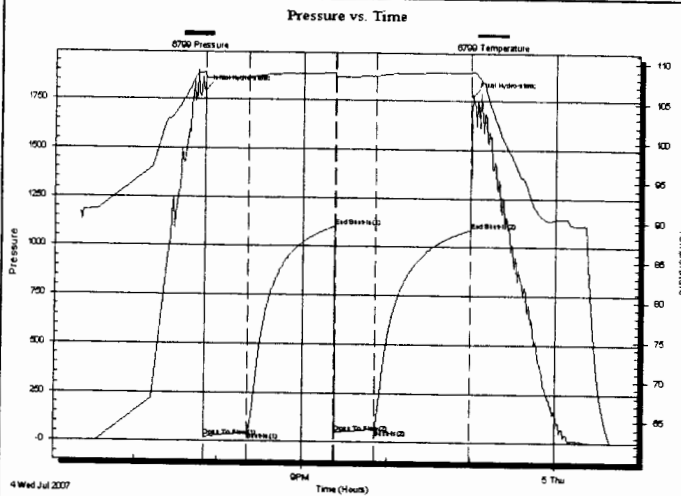
Time Off Btm: **2007.07.04 @ 23:00:09**

TEST COMMENT: **IF Weak blow built to 2" in bucket**

**ISI Bled off no blow back**

**FF No blow**

**FSI No blow back**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1798.63	108.74	Initial Hydro-static
1	19.80	107.75	Open To Flow (1)
32	45.69	108.06	Shut-In(1)
93	1103.16	108.68	End Shut-In(1)
93	48.30	108.14	Open To Flow (2)
121	66.90	108.36	Shut-In(2)
189	1088.03	108.83	End Shut-In(2)
190	1776.35	108.96	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
80.00	Drilling Mud 100%M	0.39

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

Job Ticket: 27800

**DST#: 4**

ATTN: Terry McLeod

Test Start: 2007.07.04 @ 18:20:00

### Tool Information

Drill Pipe:	Length: 3151.00 ft	Diameter: 3.80 inches	Volume: 44.20 bbl	Tool Weight: 3000.00 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: 485.00 ft	Diameter: 2.25 inches	Volume: 2.39 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 46.59 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 75000.00 lb
Depth to Top Packer:	3651.00 ft			Final 75000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 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
Shut In Tool	5.00			3633.00	
Hydraulic tool	5.00			3638.00	
Safety Joint	3.00			3641.00	
Packer	5.00			3646.00	23.00 Bottom Of Top Packer
Packer	5.00			3651.00	
Stubb	1.00			3652.00	
Recorder	0.00	6799	Inside	3652.00	
Perforations	17.00			3669.00	
Blank Spacing	63.00			3732.00	
Recorder	0.00	10270	Outside	3732.00	
Bullnose	3.00			3735.00	84.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>107.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Murfin Drilling Company Inc

**FSR #1-36**

250 N Water Ste 300  
Wichita KS 67202

**36 2 27 Decatur KS**

Job Ticket: 27800

**DST#: 4**

ATTN: Terry McLeod

Test Start: 2007.07.04 @ 18:20:00

## 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: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	Drilling Mud 100%M	0.393

Total Length: 80.00 ft

Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

