

15-039-21089

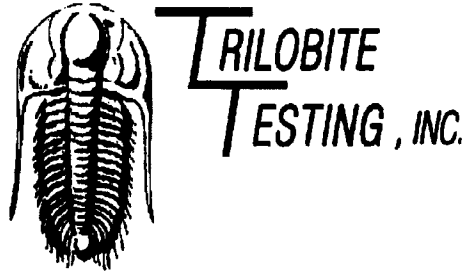
11-5s-26w

Ind

KANSAS CORPORATION COMMISSION

MAY 01 2009

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DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc.**

250 N. Water
Suite 300
Wichita, KS 67202

CONFIDENTIAL
MAY 01 2009
KCS

ATTN: Tim Priest

11 5s 26w Decatur KS

Griffith #1-11

Start Date: 2009.02.15 @ 04:14:00

End Date: 2009.02.15 @ 10:57:30

Job Ticket #: 34481

DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co. Inc.

Griffith #1-11

11 5s 26w Decatur KS

DST # 1

Toronto - LKC "A"

2009.02.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Tim Priest

Griffith #1-11

11 5s 26w Decatur KS

Job Ticket: 34481 **DST#: 1**

Test Start: 2009.02.15 @ 04:14:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:03:30

Time Test Ended: 10:57:30

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 36

Interval: **3586.00 ft (KB) To 3650.00 ft (KB) (TVD)**

Total Depth: 3650.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2574.00 ft (KB)

2569.00 ft (CF)

KB to GRVCF: 5.00 ft

Serial #: 8366 Inside

Press@RunDepth: 51.50 psig @ 3587.00 ft (KB)

Start Date: 2009.02.15

End Date: 2009.02.15

Start Time: 04:14:05

End Time: 10:57:29

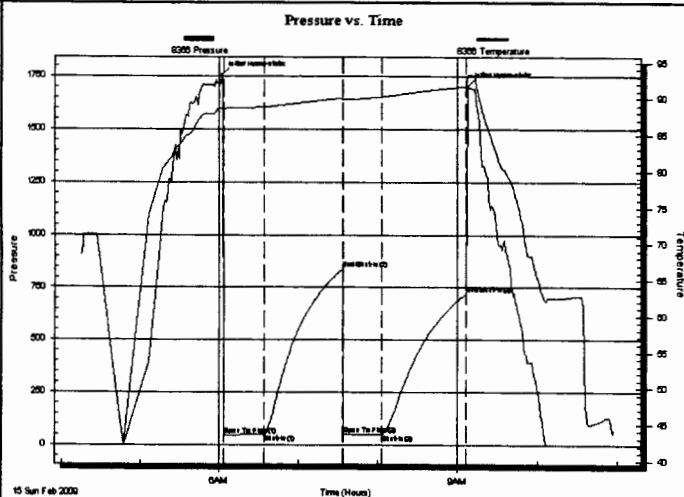
Capacity: 7000.00 psig

Last Calib.: 2009.02.15

Time On Btm: 2009.02.15 @ 06:02:00

Time Off Btm:

TEST COMMENT: IF: Tool chased 8' to bottom (hole lost 20' mud) 3 3/4" blow @ open, built to 4" in 20 min. on/off rest of open @ 4"
IS: Bled off, No blow back
FF: No blow
FSI: No blow back



PRESSURE SUMMARY

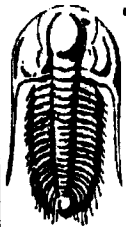
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.47	88.64	Initial Hydro-static
2	47.82	88.50	Open To Flow (1)
32	48.96	88.84	Shut-in(1)
91	837.08	90.08	End Shut-in(1)
92	49.99	89.82	Open To Flow (2)
121	51.50	90.24	Shut-in(2)
185	719.37	91.72	End Shut-in(2)
186	1704.08	93.15	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	Mud 100%	0.34

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

Griffith #1-11

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Tim Priest

11 5s 26w Decatur KS

Job Ticket: 34481

DST#: 1

Test Start: 2009.02.15 @ 04:14:00

Tool Information

Drill Pipe:	Length: 3505.00 ft	Diameter: 3.80 inches	Volume: 49.17 bbl	Tool Weight: 1500.00 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: 90.00 ft	Diameter: 2.25 inches	Volume: 0.44 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 49.61 bbl		Tool Chased 8.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3586.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool slid 2' before open, Chased 8' at open
Hole lost about 20' of mud

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
S.I. Tool	5.00			3568.00		
HYD S.I. Tool	5.00			3573.00		
Safety Joint	3.00			3576.00		
Packer	5.00			3581.00	23.00	Bottom Of Top Packer
Packer	5.00			3586.00		
Stubb	1.00			3587.00		
Recorder	0.00	8366	Inside	3587.00		
Recorder	0.00	8320	Inside	3587.00		
Perforations	22.00			3609.00		
Blank Spacing	33.00			3642.00		
Perforations	5.00			3647.00		
Bullnose	3.00			3650.00	64.00	Bottom Packers & Anchor

Total Tool Length: 87.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Griffith #1-11

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Tim Priest

11 5s 26w Decatur KS

Job Ticket: 34481

DST#: 1

Test Start: 2009.02.15 @ 04:14:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 6.78 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Mud 100%	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

MAY 01 2009 5

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Printed: 2009.02.20 @ 08:17:01 Page 5

DST Test Number: 1

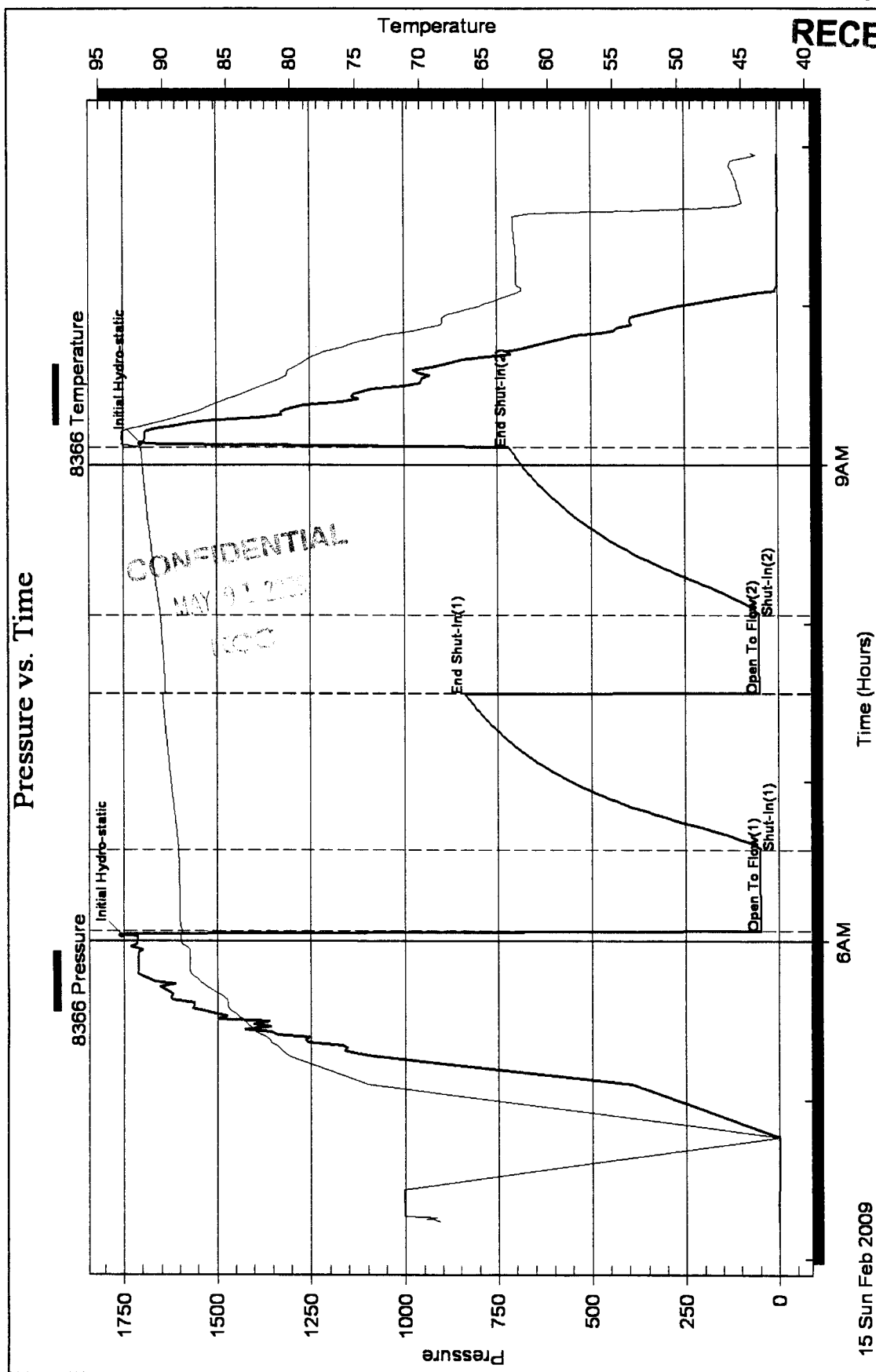
11 5s 26w Decatur KS

Murfin Drilling Co. Inc.

Inside

Serial #: 8366

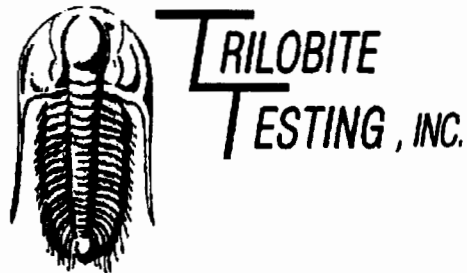
Pressure vs. Time



Ref. No: 34481

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc.**

250 N. Water
Suite 300
Wichita, KS 67202

CONFIDENTIAL
MAY 01 2009
KCC

ATTN: Tim Priest

11 5s 26w Decatur KS

Griffith #1-11

Start Date: 2009.02.15 @ 17:39:00

End Date: 2009.02.16 @ 00:34:30

Job Ticket #: 34482 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Murfin Drilling Co. Inc.

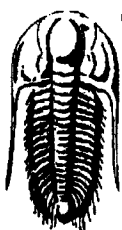
Griffith #1-11

11 5s 26w Decatur KS

DST # 2

LKC "B"

2009.02.15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Tim Priest

Griffith #1-11

11 5s 26w Decatur KS

Job Ticket: 34482

DST#: 2

Test Start: 2009.02.15 @ 17:39:00

GENERAL INFORMATION:

Formation: **LKC "B"**

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

Time Tool Opened: 18:59:30

Time Test Ended: 00:34:30

Test Type: **Conventional Bottom Hole**

Tester: **James Winder**

Unit No: **36**

Interval: **3638.00 ft (KB) To 3664.00 ft (KB) (TVD)**

Total Depth: **3664.00 ft (KB) (TVD)**

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

Reference Elevations: **2574.00 ft (KB)**

2569.00 ft (CF)

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

Serial #: 8366 **Inside**

Press@RunDepth: **84.74 psig @ 3639.00 ft (KB)**

Start Date: **2009.02.15**

End Date: **2009.02.16**

Start Time: **17:39:05**

End Time: **00:34:29**

Capacity: **7000.00 psig**

Last Calib.: **2009.02.16**

Time On Btm: **2009.02.15 @ 18:57:30**

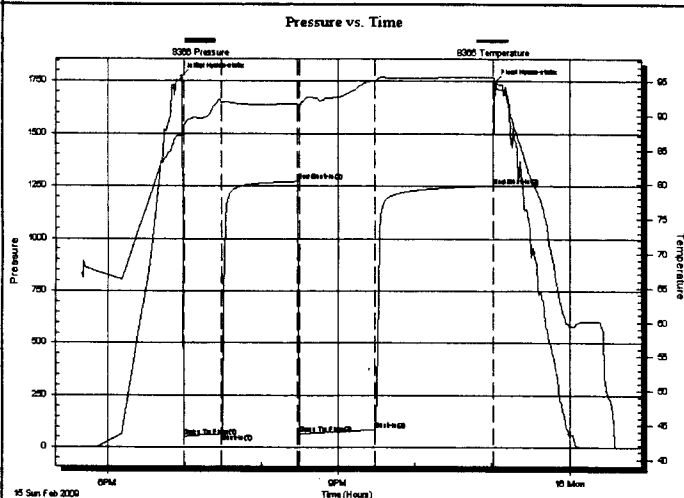
Time Off Btm: **2009.02.15 @ 23:01:59**

TEST COMMENT: IF: Tool chased 10' @ open (holde lost 10' mud) 4" blow @ open, built to 7 3/4"

IS: Bled off, No blow back

FF: Blow built to 5"

FSI: Bled off, No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1770.36	87.05	Initial Hydro-static
2	52.37	88.51	Open To Flow (1)
32	63.36	91.85	Shut-In (1)
91	1272.07	91.69	End Shut-In (1)
92	65.00	91.24	Open To Flow (2)
152	84.74	95.07	Shut-In (2)
244	1251.56	95.61	End Shut-In (2)
245	1742.87	95.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCW 90%w, 10%w	0.30
60.00	WCM 92%w, 8%w	0.57
30.00	WCM 70%w, 30%w	0.42
0.00	RW = .179 ohms @ 52.5 deg F	0.00
0.00	Chlorides = 50,750 ppm	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

Murfin Drilling Co. Inc.

Griffith #1-11

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Tim Priest

11 5s 26w Decatur KS

Job Ticket: 34482 DST#: 2

Test Start: 2009.02.15 @ 17:39:00

Tool Information

Drill Pipe:	Length: 3537.00 ft	Diameter: 3.80 inches	Volume: 49.61 bbl	Tool Weight:	1500.00 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: 90.00 ft	Diameter: 2.25 inches	Volume: 0.44 bbl	Weight to Pull Loose:	52000.00 lb
			Total Volume: 50.05 bbl	Tool Chased	10.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3638.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	26.00 ft				
Tool Length:	49.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool slid a couple ft. before open, Chased 8' to 10' at open
Hole lost about 10' of mud during slide

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Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3620.00	
HYD S.I. Tool	5.00			3625.00	
Safety Joint	3.00			3628.00	
Packer	5.00			3633.00	23.00 Bottom Of Top Packer
Packer	5.00			3638.00	
Stubb	1.00			3639.00	
Recorder	0.00	8366	Inside	3639.00	
Recorder	0.00	8320	Inside	3639.00	
Perforations	22.00			3661.00	
Bullnose	3.00			3664.00	26.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Griffith #1-11

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Tim Priest

11 5s 26w Decatur KS

Job Ticket: 34482

DST#: 2

Test Start: 2009.02.15 @ 17:39:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 54.00 sec/qt

Water Loss: 6.77 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCW 90%w, 10%m	0.295
60.00	WCM 92%m, 8%w	0.568
30.00	WCM 70%m, 30%w	0.421
0.00	RW = .179 ohms @ 52.5 deg F	0.000
0.00	Chlorides = 50,750 ppm	0.000

Total Length: 150.00 ft

Total Volume: 1.284 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

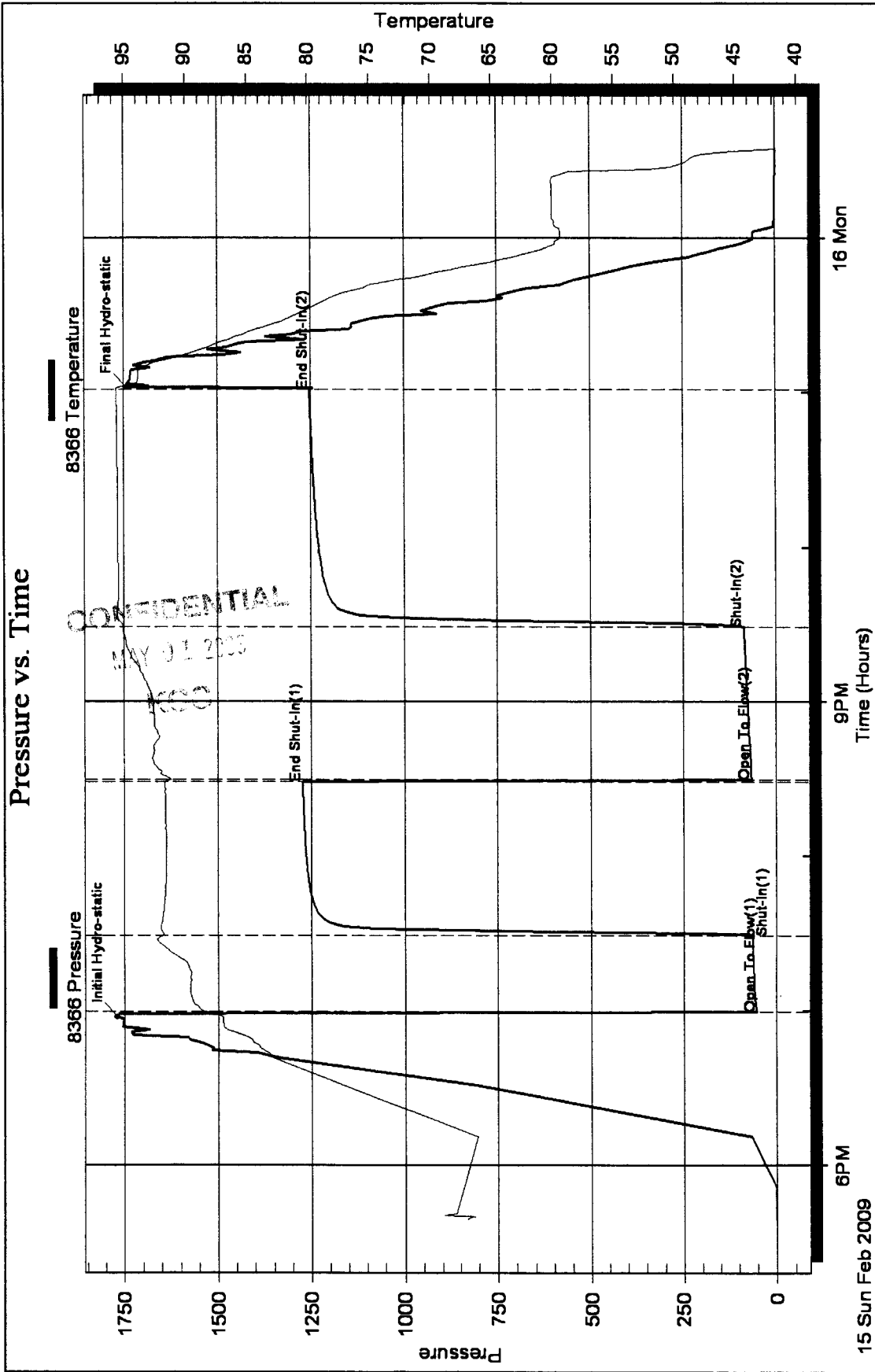
DST Test Number: 2

11 5s 26w Decatur KS

Inside Murfin Drilling Co. Inc.

Serial #: 8366

Pressure vs. Time



KANSAS CORPORATION COMMISSION

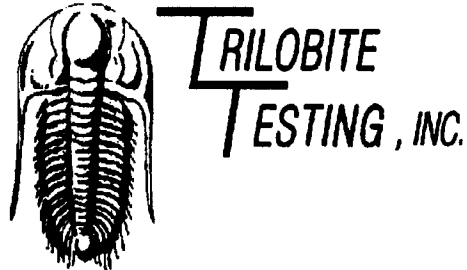
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Ref. No: 34482

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DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc.**

250 N. Water
Suite 300
Wichita, KS 67202

ATTN: Tim Priest

11 5s 26w Decatur KS

Griffith #1-11

Start Date: 2009.02.16 @ 09:28:00

End Date: 2009.02.16 @ 16:55:00

Job Ticket #: 34483 DST #: 3

CONFIDENTIAL
MAY 01 2009
RCS

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co. Inc.

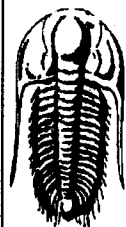
Griffith #1-11

11 5s 26w Decatur KS

DST # 3

LKC "D - G"

2009.02.16



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Tim Priest

Griffith #1-11

11 5s 26w Decatur KS

Job Ticket: 34483

DST#: 3

Test Start: 2009.02.16 @ 09:28:00

GENERAL INFORMATION:

Formation: **LKC "D - G"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:17:30

Time Test Ended: 16:55:00

Interval: **3665.00 ft (KB) To 3716.00 ft (KB) (TVD)**

Total Depth: 3716.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 36

Reference Elevations: 2574.00 ft (KB)

2569.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 92.52 psig @ 3666.00 ft (KB)

Start Date: 2009.02.16

End Date: 2009.02.16

Capacity: 7000.00 psig

Last Calib.: 2009.02.16

Start Time: 09:28:05

End Time: 16:54:59

Time On Btm: 2009.02.16 @ 11:17:00

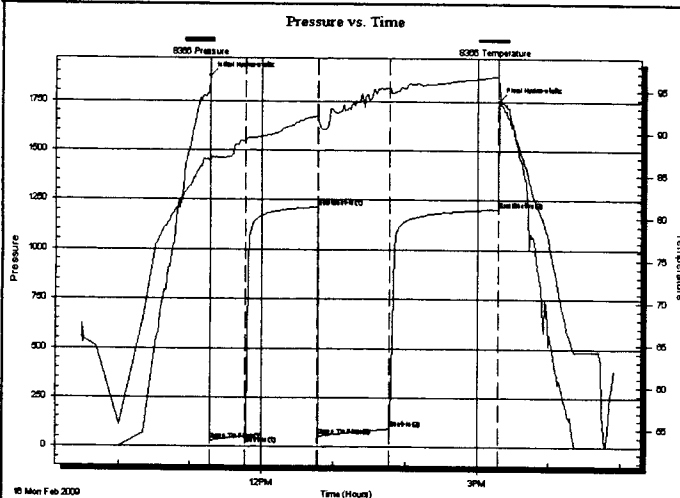
Time Off Btm: 2009.02.16 @ 15:18:29

TEST COMMENT: IF: Tool chased 5' to bottom (hole lost 5' mud) 2 1/2" blow at open, built to 9"

ISI: Bled off, No blow back

FF: Blow built to 11 1/4"

FSI: Bled off, No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1875.90	86.58	Initial Hydro-static
1	30.29	86.78	Open To Flow (1)
30	53.38	89.09	Shut-In (1)
90	1212.90	92.14	End Shut-In (1)
91	54.77	91.53	Open To Flow (2)
150	92.52	95.48	Shut-In (2)
241	1204.65	96.72	End Shut-In (2)
242	1751.63	95.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Muddy Water 61%w, 39%m	0.86
45.00	WCM 90%m, 10%w	0.63
0.00	RW = .160 ohms @ 66.5 deg F	0.00
0.00	Chlorides = 50,000 ppm	0.00

Gas Rates

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


**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

**MAY 01 2009
TOOL DIAGRAM**
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Murfine Drilling Co. Inc.

Griffith #1-11

 250 N. Water
 Suite 300
 Wichita, KS 67202
 ATTN: Tim Priest

11 5s 26w Decatur KS

Job Ticket: 34483

DST#: 3

Test Start: 2009.02.16 @ 09:28:00

Tool Information

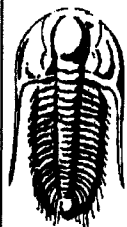
Drill Pipe:	Length: 3572.00 ft	Diameter: 3.80 inches	Volume: 50.11 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 90.00 ft	Diameter: 2.25 inches	Volume: 0.44 bbl	Weight to Pull Loose: 56000.00 lb
			Total Volume: 50.55 bbl	Tool Chased 5.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3665.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	51.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3647.00	
HYD S.I. Tool	5.00			3652.00	
Safety Joint	3.00			3655.00	
Packer	5.00			3660.00	23.00 Bottom Of Top Packer
Packer	5.00			3665.00	
Stubb	1.00			3666.00	
Recorder	0.00	8366	Inside	3666.00	
Recorder	0.00	8320	Inside	3666.00	
Perforations	10.00			3676.00	
Blank Spacing	33.00			3709.00	
Perforations	4.00			3713.00	
Bullnose	3.00			3716.00	51.00 Bottom Packers & Anchor

Total Tool Length: 74.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Griffith #1-11

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Tim Priest

11 5s 26w Decatur KS
Job Ticket: 34483 **DST#: 3**
Test Start: 2009.02.16 @ 09:28:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Muddy Water 61%w, 39%m	0.863
45.00	WCM 90%m, 10%w	0.631
0.00	RW = .160 ohms @ 66.5 deg F	0.000
0.00	Chlorides = 50,000 ppm	0.000

Total Length: 165.00 ft

Total Volume: 1.494 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 3

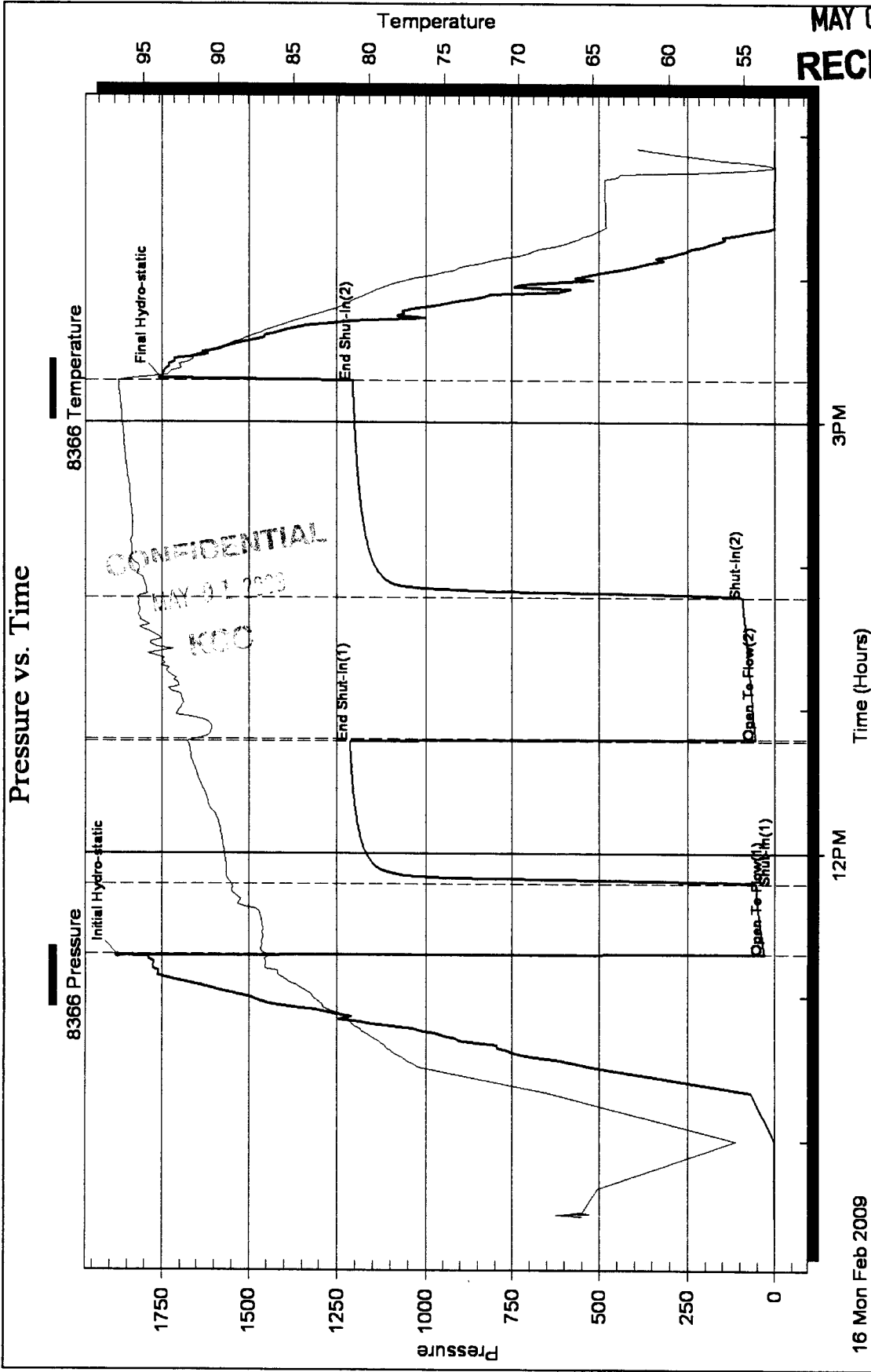
11 5s 26w Decatur KS

Murfin Drilling Co. Inc.

Inside

Serial #: 8366

Pressure vs. Time



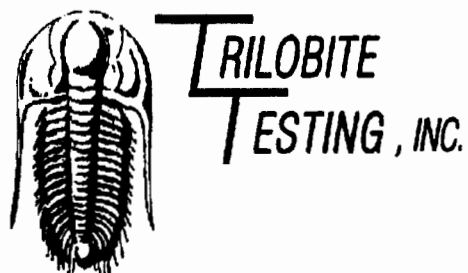
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Ref. No: 34483

Trilobite Testing, Inc

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DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc.**

250 N. Water
Suite 300
Wichita, KS 67202

CONFIDENTIAL

MAY 01 2009

KCC

ATTN: Tim Priest

11 5s 26w Decatur KS

Griffith #1-11

Start Date: 2009.02.17 @ 05:00:00

End Date: 2009.02.17 @ 11:05:00

Job Ticket #: 34484 DST #: 4

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Murfin Drilling Co. Inc.

Griffith #1-11

11 5s 26w Decatur KS

DST # 4

LKC "H-L"

2009.02.17



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Tim Priest

Griffith #1-11

11 5s 26w Decatur KS

Job Ticket: 34484

DST#: 4

Test Start: 2009.02.17 @ 05:00:00

GENERAL INFORMATION:

Formation: **LKC "H - L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:32:00

Time Test Ended: 11:05:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 36

Interval: **3722.00 ft (KB) To 3820.00 ft (KB) (TVD)**

Total Depth: 3820.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2574.00 ft (KB)

2569.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366

Inside

Press@RunDepth: 35.10 psig @ 3723.00 ft (KB)

Start Date: 2009.02.17

End Date:

2009.02.17

Capacity: 7000.00 psig

Last Calib.: 2009.02.17

Start Time: 05:00:05

End Time:

11:04:59

Time On Btm: 2009.02.17 @ 06:30:30

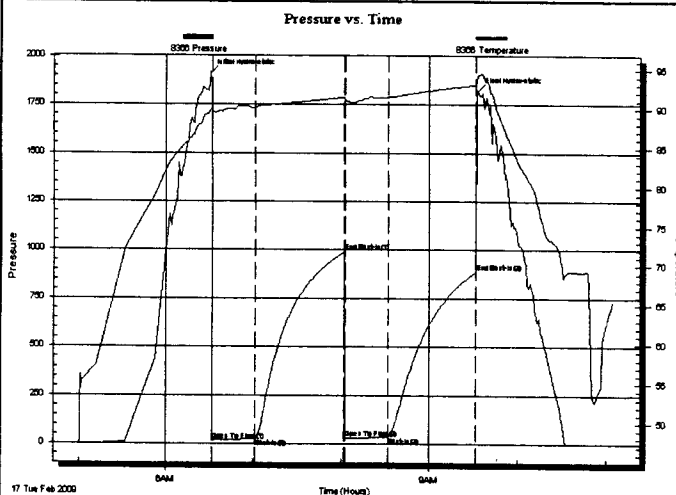
Time Off Btm: 2009.02.17 @ 09:32:59

TEST COMMENT: IF: Weak blow, built to 1 3/4"

IS: Bled off, No blow back

FF: No blow

FS: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1910.24	89.81	Initial Hydro-static
2	17.27	89.43	Open To Flow (1)
31	26.05	90.11	Shut-In (1)
92	990.75	91.48	End Shut-In (1)
92	29.23	91.11	Open To Flow (2)
122	35.10	91.50	Shut-In (2)
182	888.53	93.07	End Shut-In (2)
183	1820.14	94.24	Final Hydro-static

Recovery

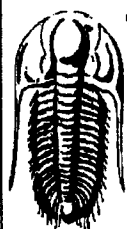
Length (ft)	Description	Volume (bbl)
30.00	Mud 100%	0.15

Gas Rates

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

DRILL STEM TEST REPORT

Murfine Drilling Co. Inc.

Griffith #1-11

 250 N. Water
 Suite 300
 Wichita, KS 67202
 ATTN: Tim Priest

11 5s 26w Decatur KS

Job Ticket: 34484

DST#: 4

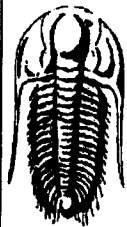
Test Start: 2009.02.17 @ 05:00:00

Tool Information

Drill Pipe:	Length: 3631.00 ft	Diameter: 3.80 inches	Volume: 50.93 bbl	Tool Weight: 1500.00 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: 90.00 ft	Diameter: 2.25 inches	Volume: 0.44 bbl	Weight to Pull Loose: 62000.00 lb
		Total Volume:	51.37 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3722.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	98.00 ft			
Tool Length:	121.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	
Tool Comments:				

Tool Description	Length (ft)	Depth (ft)	Accum. Lengths
S.I. Tool	5.00	3704.00	
HYD S.I. Tool	5.00	3709.00	
Safety Joint	3.00	3712.00	
Packer	5.00	3717.00	23.00 Bottom Of Top Packer
Packer	5.00	3722.00	
Stubb	1.00	3723.00	
Recorder	0.00	3723.00	
Recorder	0.00	3723.00	
Perforations	20.00	3743.00	
Blank Spacing	63.00	3806.00	
Perforations	11.00	3817.00	
Bullnose	3.00	3820.00	98.00 Bottom Packers & Anchor

Total Tool Length: 121.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Griffith #1-11

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Tim Priest

11 5s 26w Decatur KS
Job Ticket: 34484 **DST#: 4**
Test Start: 2009.02.17 @ 05:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud 100%	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:

DST Test Number: 4

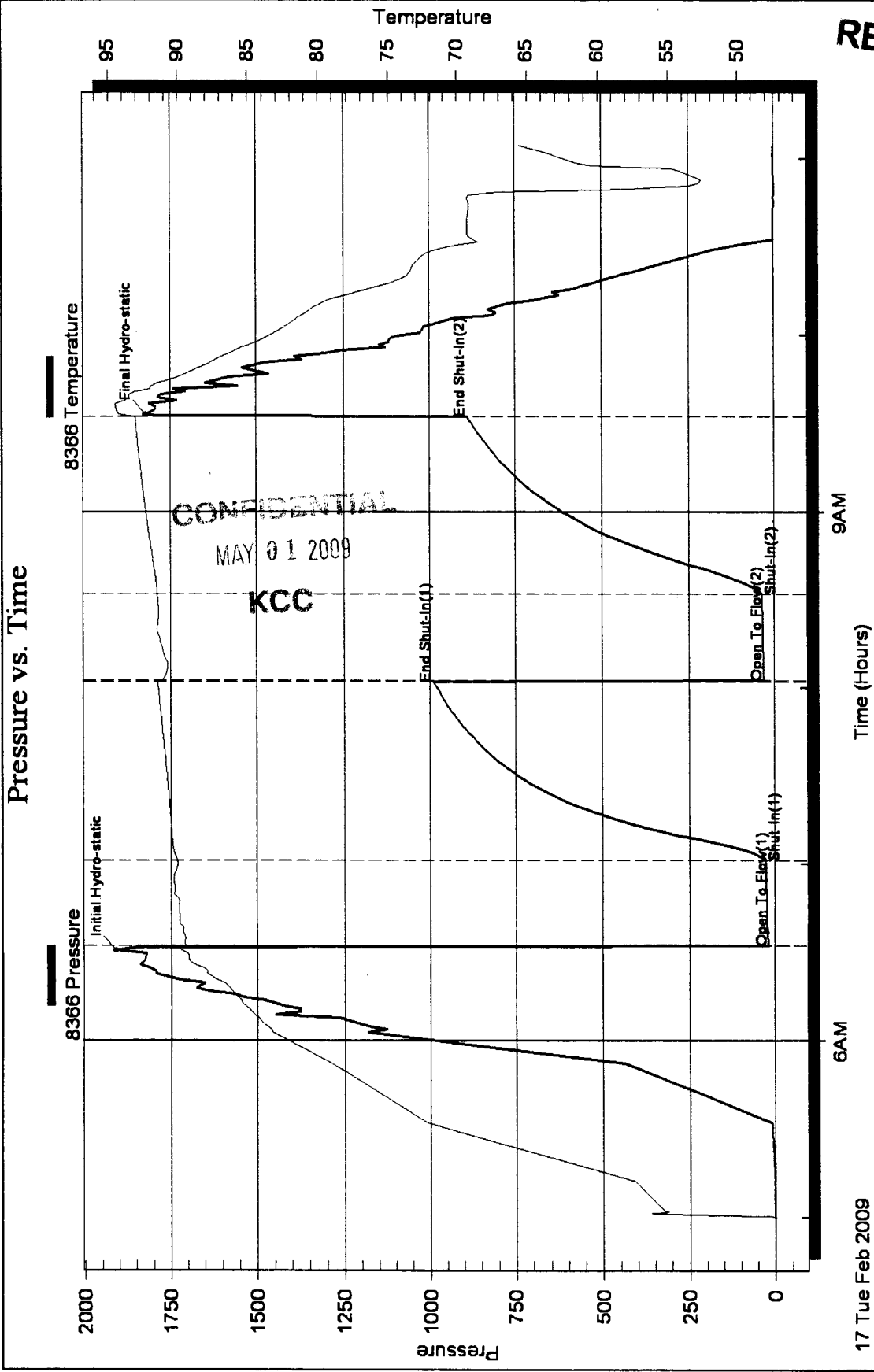
11 5s 26w Decatur KS

Murfin Drilling Co. Inc.

Inside

Serial #: 8366

Pressure vs. Time



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Printed: 2009.02.20 @ 08:18:15

Ref. No: 34484

Trilobite Testing, Inc