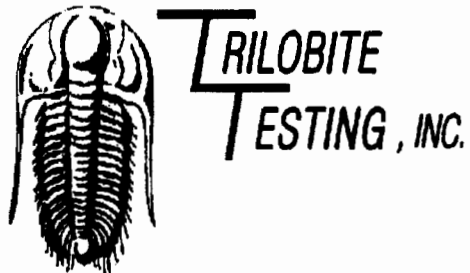


32-5s-29w

15-039-21087-0000

RGJ



DRILL STEM TEST REPORT

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

250 N. Water
Suite 300
Wichita, KS 67202

ATTN: Rocky Milford

32 5s 29w Decatur KS

R & T Shaw #1-32

Start Date: 2009.02.04 @ 21:09:00

End Date: 2009.02.05 @ 05:51:30

Job Ticket #: 34477 DST #: 1

KANSAS CORPORATION COMMISSION

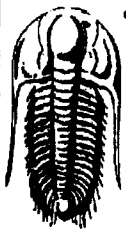
JUN 04 2009

RECEIVED

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

R & T Shaw #1-32

32 5s 29w Decatur KS

Job Ticket: 34477

DST#: 1

Test Start: 2009.02.04 @ 21:09:00

GENERAL INFORMATION:

Formation: **Toronto - LKC "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:45:30

Time Test Ended: 05:51:30

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 36

Interval: **3822.00 ft (KB) To 3901.00 ft (KB) (TVD)**

Total Depth: 3901.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2776.00 ft (KB)

2771.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366 Inside

Press@RunDepth: 51.10 psig @ 3823.00 ft (KB)

Start Date: 2009.02.04

End Date:

2009.02.05

Start Time: 21:09:05

End Time:

05:51:30

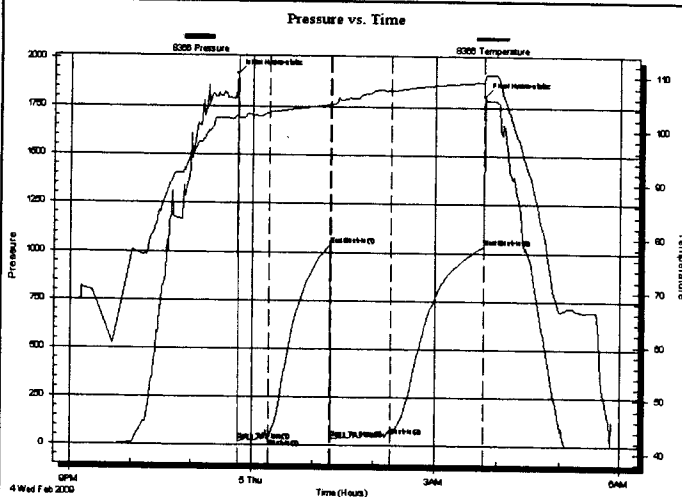
Capacity: 7000.00 psig

Last Calib.: 2009.02.05

Time On Btm: 2009.02.04 @ 23:44:30

Time Off Btm: 2009.02.05 @ 03:47:29

TEST COMMENT: IF: Weak blow, built to 1 1/4" (Some tool plugging)
ISI: Bled off, No blow back
FF: Weak blow, Built to 1 1/8" (Some tool plugging)
FSI: Bled off, No blow back



PRESSURE SUMMARY

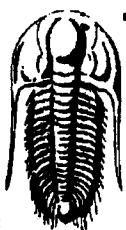
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1920.34	102.61	Initial Hydro-static
1	21.87	102.14	Open To Flow (1)
32	32.75	103.01	Shut-In(1)
92	1037.11	104.70	End Shut-In(1)
93	37.04	104.46	Open To Flow (2)
152	51.10	107.34	Shut-In(2)
242	1033.51	109.01	End Shut-In(2)
243	1808.68	110.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
61.00	SGOOCM91% m, 5% o, 4% g	0.30

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

R & T Shaw #1-32

250 N. Water
Suite 300
Wichita, KS 67202

32 5s 29w Decatur KS

Job Ticket: 34477

DST#: 1

ATTN: Rocky Milford

Test Start: 2009.02.04 @ 21:09:00

Tool Information

Drill Pipe:	Length: 3579.00 ft	Diameter: 3.80 inches	Volume: 50.20 bbl	Tool Weight: 2000.00 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 51.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3822.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	107.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

I got to the rig and put my tool all together/ Pulling tight on way out for DST/ Rig went back to bottom to condition hole again/ I went to Seldon to kill some time and eat @ 14:15 / Geo call and said

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

S.I. Tool	5.00			3799.00	
HYD S.I. Tool	5.00			3804.00	
Jars	5.00			3809.00	
Safety Joint	3.00			3812.00	
Packer	5.00			3817.00	28.00 Bottom Of Top Packer
Packer	5.00			3822.00	
Stubb	1.00			3823.00	
Recorder	0.00	8366	Inside	3823.00	
Recorder	0.00	8320	Inside	3823.00	
Perforations	10.00			3833.00	
Blank Spacing	64.00			3897.00	
Perforations	1.00			3898.00	
Bullnose	3.00			3901.00	79.00 Bottom Packers & Anchor

Total Tool Length: 107.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

R & T Shaw #1-32

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

32 5s 29w Decatur KS

Job Ticket: 34477

DST#: 1

Test Start: 2009.02.04 @ 21:09:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 72.00 sec/qt

Water Loss: 6.38 in³

Resistivity: ohm.m

Salinity: 700.00 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
61.00	SGOCM 91% _m , 5% _o , 4% _g	0.300

Total Length: 61.00 ft

Total Volume: 0.300 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8366

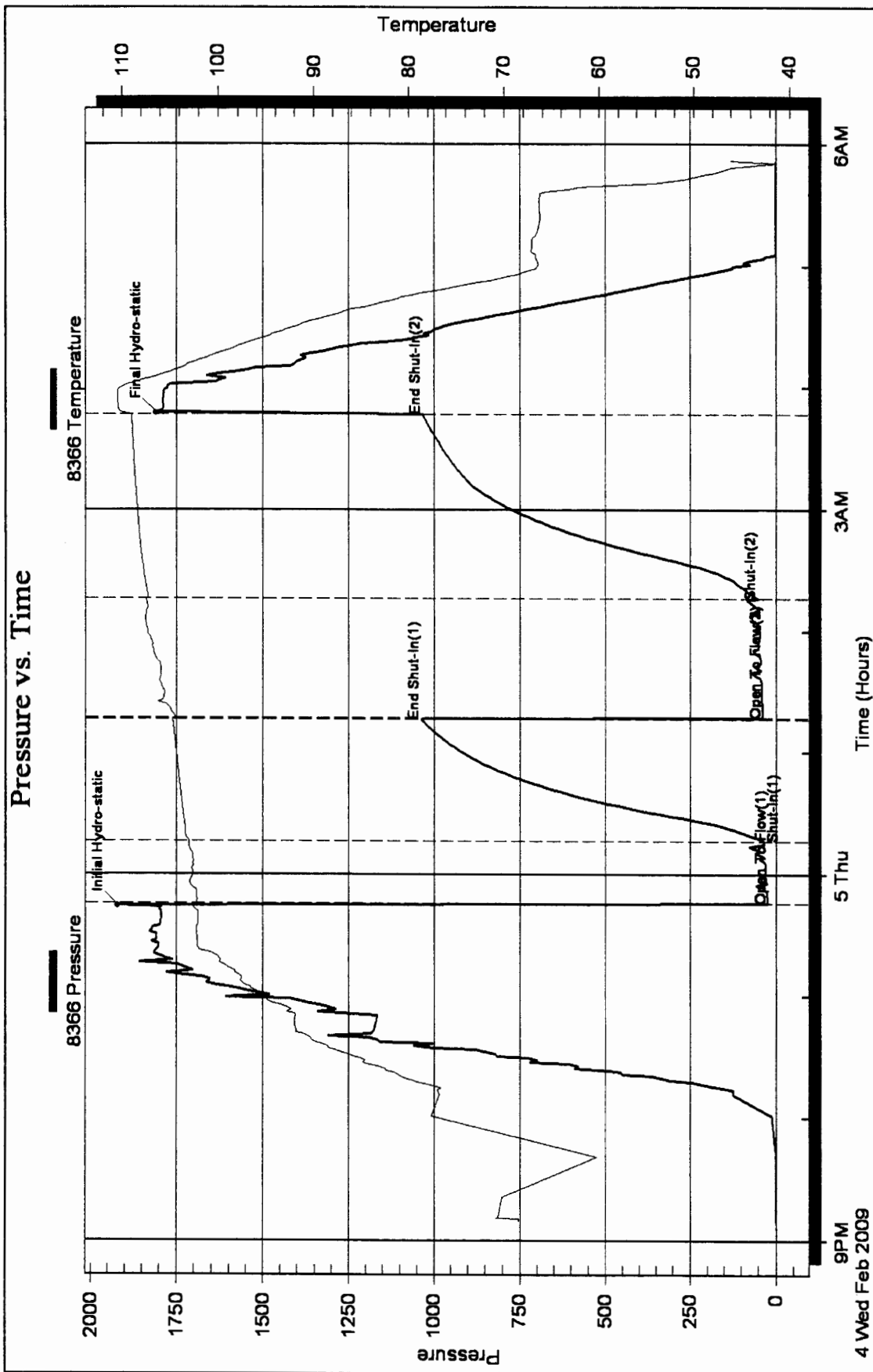
Inside

Murfin Drilling Co. Inc.

32 5s 29w Decatur KS

DST Test Number: 1

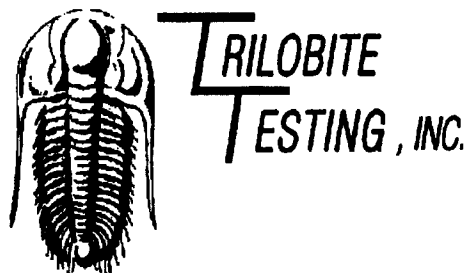
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 34477

Printed: 2009.02.09 @ 15:08:50 Page 5



DRILL STEM TEST REPORT

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

250 N. Water
Suite 300
Wichita, KS 67202

ATTN: Rocky Milford

32 5s 29w Decatur KS

R & T Shaw #1-32

Start Date: 2009.02.05 @ 13:50:00

End Date: 2009.02.05 @ 22:10:30

Job Ticket #: 34478 DST #: 2

KANSAS CORPORATION COMMISSION

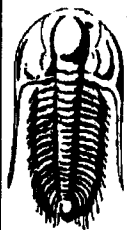
JUN 04 2009

RECEIVED

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

R & T Shaw #1-32

32 5s 29w Decatur KS

Job Ticket: 34478

DST#: 2

Test Start: 2009.02.05 @ 13:50:00

GENERAL INFORMATION:

Formation: **LKC "E - F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:04:30

Time Test Ended: 22:10:30

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 36

Interval: **3915.00 ft (KB) To 3944.00 ft (KB) (TVD)**

Total Depth: 3944.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2776.00 ft (KB)

2771.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366 Inside

Press@RunDepth: 122.55 psig @ 3916.00 ft (KB)

Start Date: 2009.02.05 End Date: 2009.02.05

Start Time: 13:50:05 End Time: 22:10:29

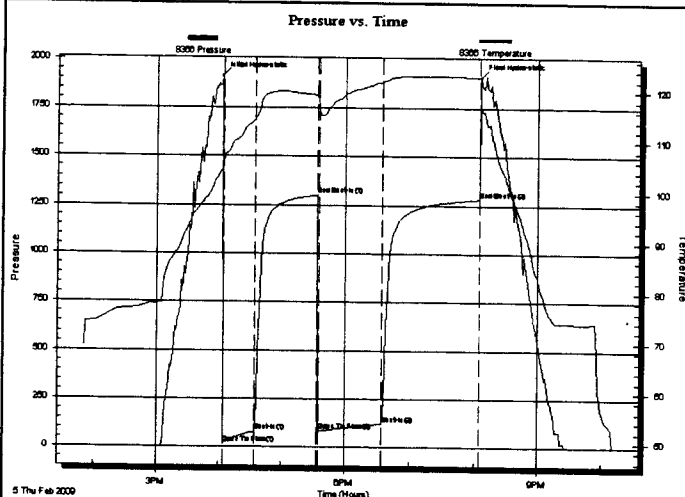
Capacity: 7000.00 psig

Last Calib.: 2009.02.05

Time On Btm: 2009.02.05 @ 16:03:30

Time Off Btm: 2009.02.05 @ 20:05:59

TEST COMMENT: IF: Blow built to BOB in 29 min. (tool slid 6' to bottom before open)
IS: Bled off, Blow back built to 1/4" in 30 min., then died off by 56 min.
FF: Blow built to BOB in 30 min.
FS: Bled off, Blow



PRESSURE SUMMARY

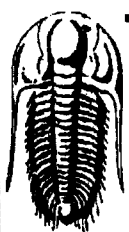
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1911.47	104.28	Initial Hydro-static
1	18.74	105.37	Open To Flow (1)
31	79.66	114.47	Shut-In (1)
91	1300.90	119.26	End Shut-In (1)
92	87.49	117.25	Open To Flow (2)
151	122.55	121.89	Shut-In (2)
242	1281.51	122.91	End Shut-In (2)
243	1907.21	117.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
149.00	GMCO 54%o, 26% m, 20% g	0.73
145.00	CGO 80%o, 20% g	1.76
0.00	GIP = 190'	0.00
0.00	Gravity = 29.6 api @ 52 deg F	0.00
0.00	Corrected Gravity = 30.6 api	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.

R & T Shaw #1-32

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

32 5s 29w Decatur KS

Job Ticket: 34478

DST#: 2

Test Start: 2009.02.05 @ 13:50:00

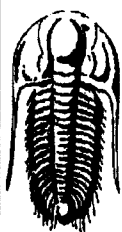
Tool Information

Drill Pipe:	Length: 3737.00 ft	Diameter: 3.80 inches	Volume: 52.42 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: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	53.30 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3915.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	29.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

S.I. Tool	5.00			3900.00	
HYD S.I. Tool	5.00			3905.00	
Packer	5.00			3910.00	20.00 Bottom Of Top Packer
Packer	5.00			3915.00	
Stubb	1.00			3916.00	
Recorder	0.00	8366	Inside	3916.00	
Recorder	0.00	8320	Inside	3916.00	
Perforations	25.00			3941.00	
Bullnose	3.00			3944.00	29.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

R & T Shaw #1-32

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

32 5s 29w Decatur KS

Job Ticket: 34478 DST#: 2

Test Start: 2009.02.05 @ 13:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 6.78 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:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
149.00	GMCO 54%o, 26%m, 20%g	0.733
145.00	CGO 80%o, 20%g	1.761
0.00	GIP = 190'	0.000
0.00	Gravity = 29.6 api @ 52 deg F	0.000
0.00	Corrected Gravity = 30.6 api	0.000

Total Length: 294.00 ft Total Volume: 2.494 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

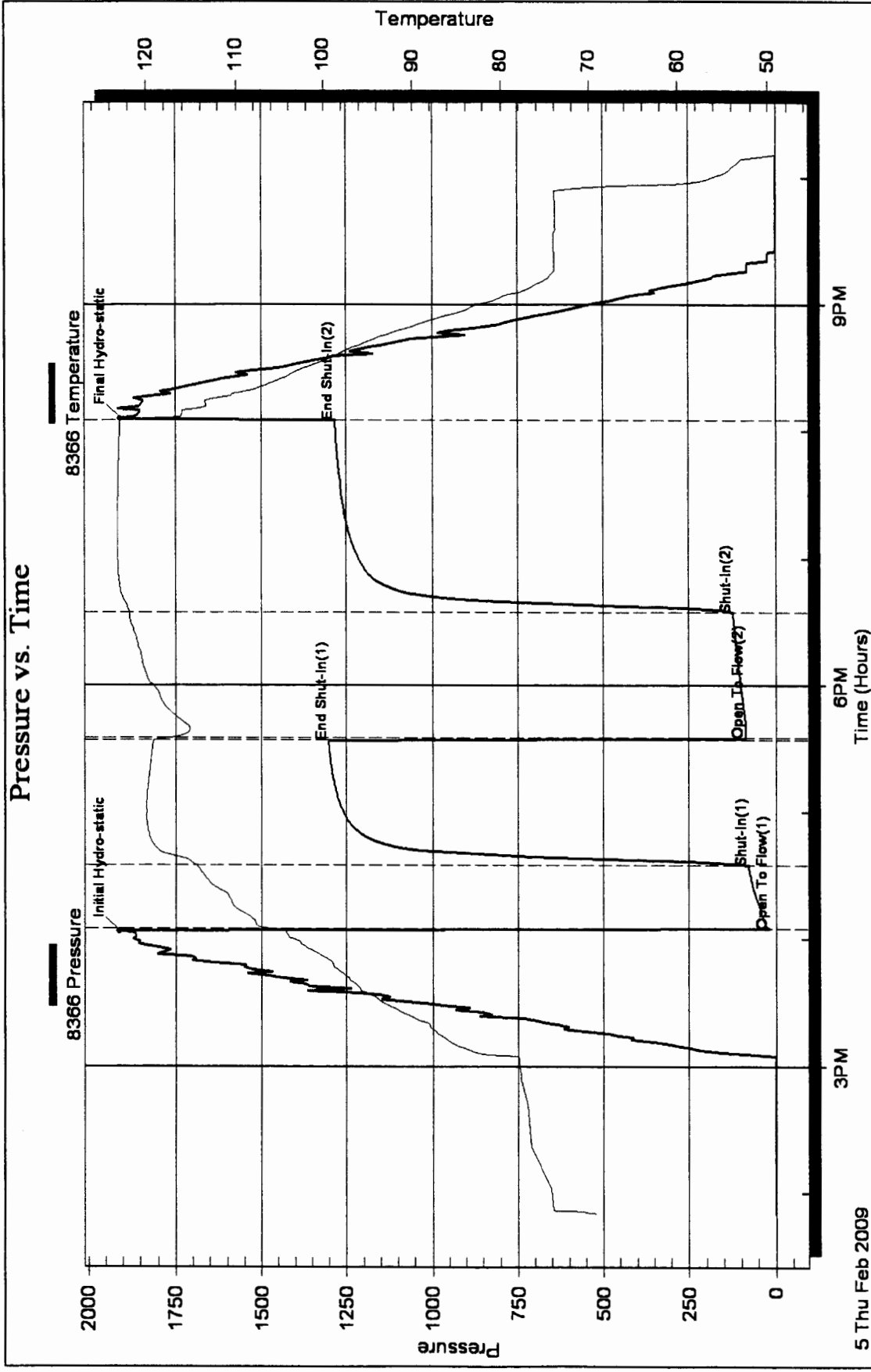
Serial #:

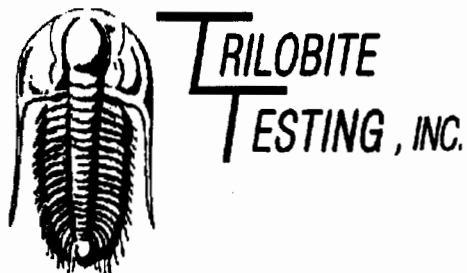
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

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

250 N. Water
Suite 300
Wichita, KS 67202

ATTN: Rocky Milford

32 5s 29w Decatur KS

R & T Shaw #1-32

Start Date: 2009.02.06 @ 10:10:00

End Date: 2009.02.06 @ 17:58:00

Job Ticket #: 34479 DST #: 3

KANSAS CORPORATION COMMISSION

JUN 04 2009

RECEIVED

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

R & T Shaw #1-32

32 5s 29w Decatur KS

Job Ticket: 34479 DST#: 3

Test Start: 2009.02.06 @ 10:10:00

GENERAL INFORMATION:

Formation: LKC "H - J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:11:30

Time Test Ended: 17:58:00

Test Type: Conventional Bottom Hole

Tester: James Winder

Unit No: 36

Interval: 3967.00 ft (KB) To 4028.00 ft (KB) (TVD)

Total Depth: 4028.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2776.00 ft (KB)

2771.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8366 Inside

Press@RunDepth: 41.95 psig @ 3968.00 ft (KB)

Start Date: 2009.02.06

End Date: 2009.02.06

Start Time: 10:10:05

End Time: 17:57:59

Capacity: 7000.00 psig

Last Calib.: 2009.02.06

Time On Btm: 2009.02.06 @ 12:10:00

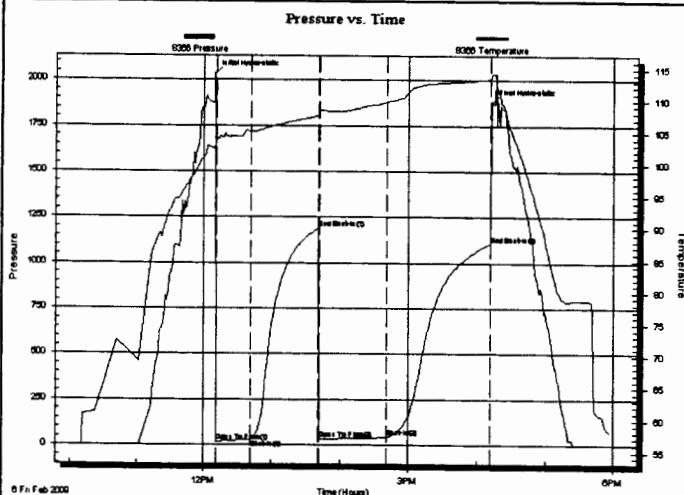
Time Off Btm: 2009.02.06 @ 16:12:29

TEST COMMENT: IF: Blow built to 2"

IS: Bled off, blow back at 7 min. built to 1/4" in 30 min. dead in 45 min.

FF: Blow built to 1/2" in 25 min. Intermittent blow at 1/2" through rest of open

FSI: Bled off, No bl



PRESSURE SUMMARY

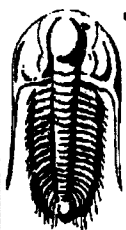
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2029.15	102.74	Initial Hydro-static
2	15.69	103.62	Open To Flow(1)
32	28.42	105.13	Shut-In(1)
92	1190.39	107.59	End Shut-In(1)
92	31.75	108.05	Open To Flow(2)
151	41.95	109.78	Shut-In(2)
242	1106.24	113.38	End Shut-In(2)
243	1873.80	113.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
59.00	OCM 92% m, 8% o	0.29
3.00	Clean Oil 100%	0.01
0.00	Gravity = 34.6 api @ 62 deg F	0.00
0.00	Corrected Gravity = 34.4 api	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

R & T Shaw #1-32

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

32 5s 29w Decatur KS

Job Ticket: 34479

DST#: 3

Test Start: 2009.02.06 @ 10:10:00

Tool Information

Drill Pipe:	Length: 3788.00 ft	Diameter: 3.80 inches	Volume: 53.14 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: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	54.02 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	47000.00 lb
Depth to Top Packer:	3967.00 ft			Final	47000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	61.00 ft				
Tool Length:	81.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
S.I. Tool	5.00			3952.00	
HYD S.I. Tool	5.00			3957.00	
Packer	5.00			3962.00	20.00 Bottom Of Top Packer
Packer	5.00			3967.00	
Stubb	1.00			3968.00	
Recorder	0.00	8366	Inside	3968.00	
Recorder	0.00	8320	Inside	3968.00	
Perforations	20.00			3988.00	
Blank Spacing	33.00			4021.00	
Perforations	4.00			4025.00	
Bullnose	3.00			4028.00	61.00 Bottom Packers & Anchor

Total Tool Length: 81.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

R & T Shaw #1-32

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

32 5s 29w Decatur KS
Job Ticket: 34479 **DST#: 3**
Test Start: 2009.02.06 @ 10:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 5.99 in³

Resistivity: ohm.m

Salinity: 1000.00 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
59.00	OCM 92% m, 8% o	0.290
3.00	Clean Oil 100%	0.015
0.00	Gravity = 34.6 api @ 62 deg F	0.000
0.00	Corrected Gravity = 34.4 api	0.000

Total Length: 62.00 ft

Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

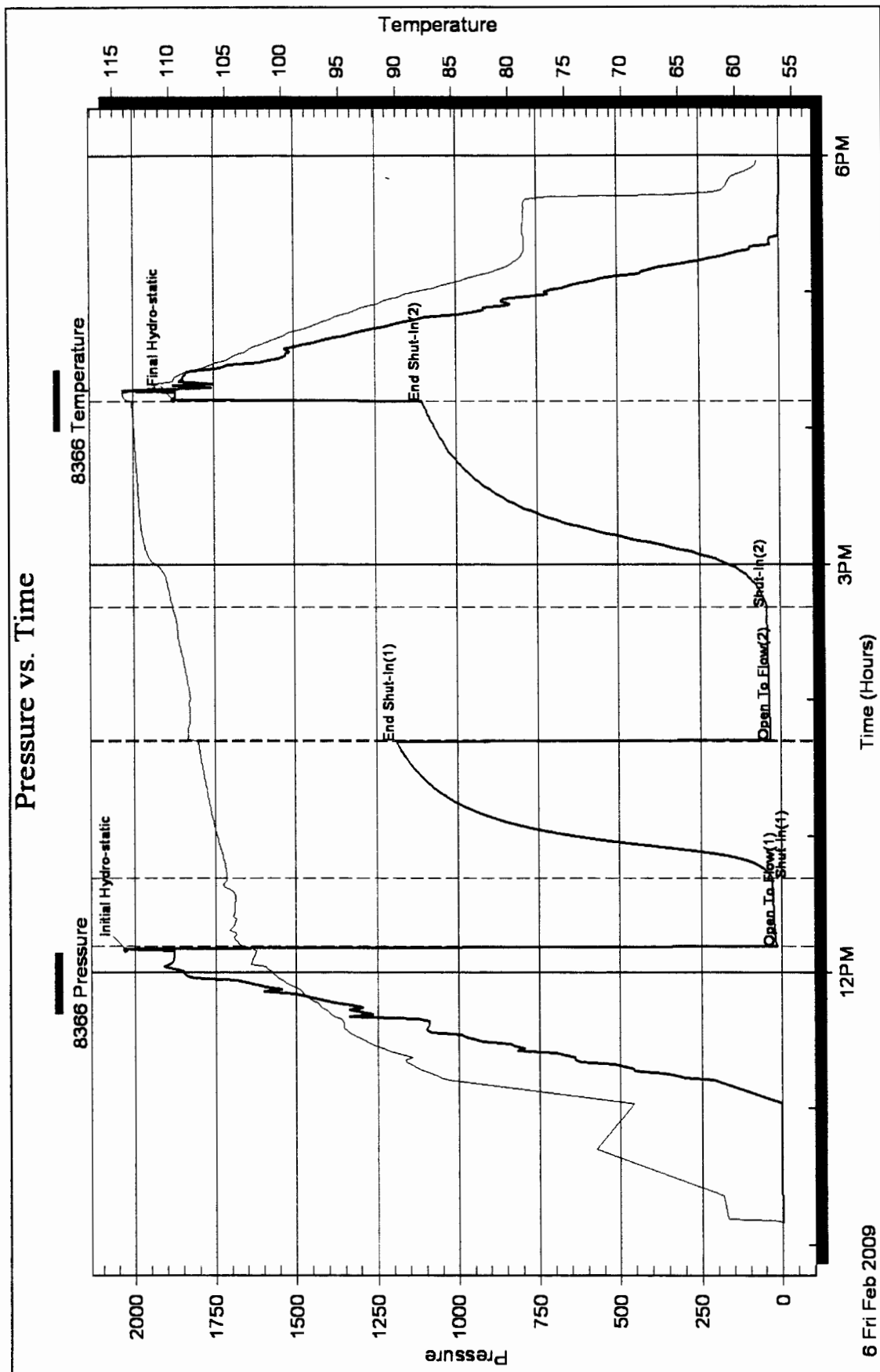
Serial #:

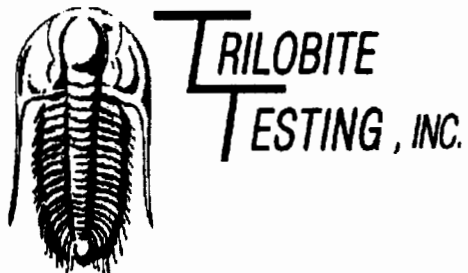
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

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

250 N. Water
Suite 300
Wichita, KS 67202

ATTN: Rocky Milford

32 5s 29w Decatur KS

R & T Shaw #1-32

Start Date: 2009.02.07 @ 00:35:00

End Date: 2009.02.07 @ 07:33:00

Job Ticket #: 34480 DST #: 4

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

TEXAS CORPORATION COMMISSION
JUN 04 2009
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

R & T Shaw #1-32

32 5s 29w Decatur KS

Job Ticket: 34480

DST#: 4

Test Start: 2009.02.07 @ 00:35:00

GENERAL INFORMATION:

Formation: **LKC "K"**

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

Time Tool Opened: 02:43:00

Time Test Ended: 07:33:00

Test Type: **Conventional Bottom Hole**

Tester: **James Winder**

Unit No: **36**

Interval: **4023.00 ft (KB) To 4053.00 ft (KB) (TVD)**

Total Depth: **4053.00 ft (KB) (TVD)**

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

Reference Elevations: **2776.00 ft (KB)**

2771.00 ft (CF)

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

Serial #: 8366 **Inside**

Press@RunDepth: **15.86 psig @ 4024.00 ft (KB)**

Start Date: **2009.02.07**

End Date:

2009.02.07

Start Time: **00:35:05**

End Time:

07:32:59

Capacity: **7000.00 psig**

Last Calib.: **2009.02.07**

Time On Btm: **2009.02.07 @ 02:42:00**

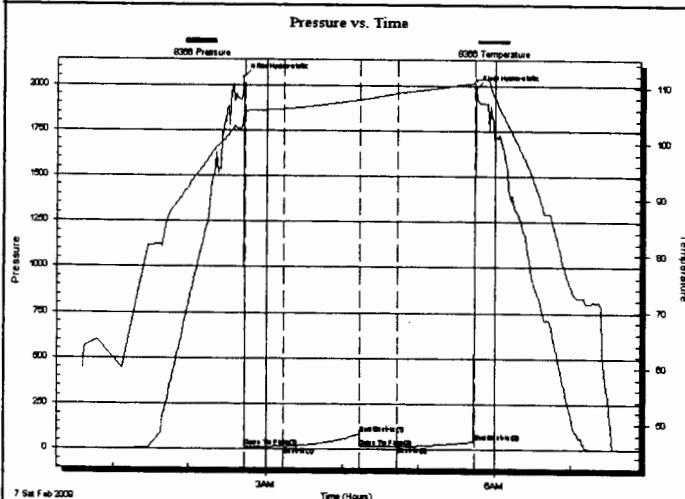
Time Off Btm: **2009.02.07 @ 05:44:29**

TEST COMMENT: IF: Blow built to 1/2" in 11 min., @ 21 min. dying back slowly

IS: Bled off, No blow back

FF: No blow

FSI: No blow back



PRESSURE SUMMARY

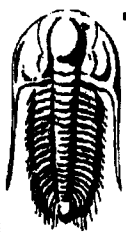
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2040.97	103.89	Initial Hydro-static
1	13.98	105.24	Open To Flow (1)
32	15.12	106.10	Shut-In (1)
91	87.95	107.76	End Shut-In (1)
92	15.34	107.74	Open To Flow (2)
121	15.86	108.93	Shut-In (2)
182	45.25	110.77	End Shut-In (2)
183	1984.21	111.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

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.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

R & T Shaw #1-32

32 5s 29w Decatur KS

Job Ticket: 34480

DST#: 4

Test Start: 2009.02.07 @ 00:35:00

Tool Information

Drill Pipe:	Length: 3832.00 ft	Diameter: 3.80 inches	Volume: 53.75 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: 179.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	54.63 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	4023.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	50.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:
Tool slid 6' to bottom before open

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
S.I. Tool	5.00			4008.00		
HYD S.I. Tool	5.00			4013.00		
Packer	5.00			4018.00	20.00	Bottom Of Top Packer
Packer	5.00			4023.00		
Stubb	1.00			4024.00		
Recorder	0.00	8366	Inside	4024.00		
Recorder	0.00	8320	Inside	4024.00		
Perforations	26.00			4050.00		
Bullnose	3.00			4053.00	30.00	Bottom Packers & Anchor
Total Tool Length:	50.00					



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

R & T Shaw #1-32

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Rocky Milford

32 5s 29w Decatur KS

Job Ticket: 34480 **DST#: 4**

Test Start: 2009.02.07 @ 00:35:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 5.99 in³

Resistivity: ohm.m

Salinity: 1000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8366

Inside

Murfin Drilling Co. Inc.

32 5s 29w Decatur KS

DST Test Number: 4

Pressure vs. Time

