

15-033-21547

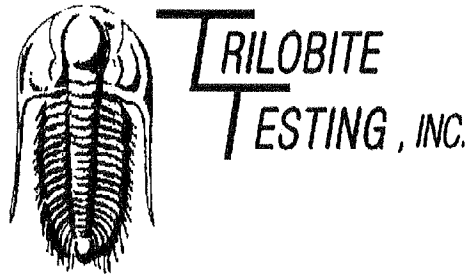
9-33s-20w

IND

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APR 01 2009

KCS



DRILL STEM TEST REPORT

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

250 N.Water, Ste.300
Wichita, KS 67202

ATTN: Jeff Christian

9 33s20w Comanche KS

Seyfert A #1-9X

Start Date: 2008.12.21 @ 00:45:00

End Date: 2008.12.21 @ 11:47:15

Job Ticket #: 31052 DST #: 1

KANSAS CORPORATION COMMISSION

APR 03 2009

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

Murfin Drilling Co.Inc.

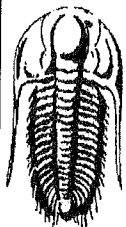
Seyfert A #1-9X

9 33s20w Comanche KS

DST # 1

LKC "L" 2N

2008.12.21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

250 N. Water, Ste. 300
Wichita, KS 67202

ATTN: Jeff Christian

Seyfert A #1-9X

9 33s20w Comanche KS

Job Ticket: 31052

DST#: 1

Test Start: 2008.12.21 @ 00:45:00

GENERAL INFORMATION:

Formation: **LKC "L" 2N**

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

Time Tool Opened: 04:24:00

Time Test Ended: 11:47:15

Interval: **4796.00 ft (KB) To 4839.00 ft (KB) (TVD)**

Total Depth: **4839.00 ft (KB) (TVD)**

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

Test Type: **Conventional Bottom Hole**

Tester: **Harley Davidson**

Unit No: **33**

Reference Elevations: **1838.00 ft (KB)**

1827.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 6751

Inside

Press@RunDepth: **122.54 psig @ 4797.00 ft (KB)**

Start Date: **2008.12.21**

End Date:

2008.12.21

Capacity: **7000.00 psig**

Last Calib.: **2008.12.21**

Start Time: **00:45:01**

End Time:

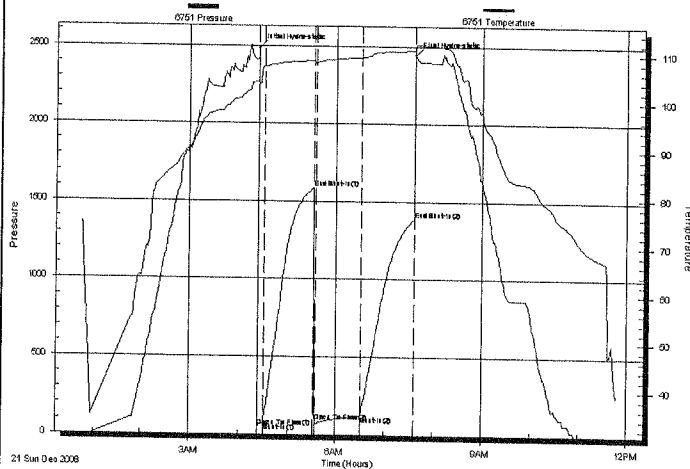
11:47:15

Time On Btm: **2008.12.21 @ 04:23:45**

Time Off Btm: **2008.12.21 @ 07:36:45**

TEST COMMENT: IF- Strong blow BOB 4min.
IS- No blow back.
FF- Strong blow BOB, ASAO, Got gas at end of flow.
FSI- No blow back.

Pressure vs. Time



PRESSURE SUMMARY

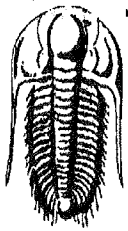
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2483.98	104.22	Initial Hydro-static
1	46.11	103.56	Open To Flow (1)
7	71.19	107.46	Shut-In(1)
68	1587.55	108.63	End Shut-In(1)
70	84.89	108.08	Open To Flow (2)
127	122.54	109.35	Shut-In(2)
193	1385.26	110.80	End Shut-In(2)
193	2443.58	111.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
145.00	10% oil, 90% mud.	0.71
145.00	10% oil, 20% gas, 70% mud.	1.75

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

Seyfert A #1-9X

250 N. Water, Ste. 300
Wichita, KS 67202

9 33s20w Comanche KS

Job Ticket: 31052

DST#: 1

ATTN: Jeff Christian

Test Start: 2008.12.21 @ 00:45:00

Tool Information

Drill Pipe:	Length: 4624.00 ft	Diameter: 3.80 inches	Volume: 64.86 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: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 65.73 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	4796.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	43.00 ft			
Tool Length:	71.00 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			4773.00	
Hydraulic tool	5.00			4778.00	
Jars	5.00			4783.00	
Safety Joint	3.00			4786.00	
Packer	5.00			4791.00	28.00 Bottom Of Top Packer
Packer	5.00			4796.00	
Stubb	1.00			4797.00	
Recorder	0.00	6751	Inside	4797.00	
Recorder	0.00	8355	Inside	4797.00	
Change Over Sub	1.00			4798.00	
Drill Pipe	31.00			4829.00	
Change Over Sub	1.00			4830.00	
Perforations	5.00			4835.00	
Bullnose	4.00			4839.00	43.00 Bottom Packers & Anchor

Total Tool Length: 71.00

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Seyfert A #1-9X

250 N. Water, Ste. 300
Wichita, KS 67202

9 33s20w Comanche KS

Job Ticket: 31052

DST#: 1

ATTN: Jeff Christian

Test Start: 2008.12.21 @ 00:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 8.76 in³

Resistivity: ohm.m

Salinity: 11000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
145.00	10% oil, 90% mud.	0.713
145.00	10% oil, 20% gas, 70% mud.	1.752

Total Length: 290.00 ft

Total Volume: 2.465 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

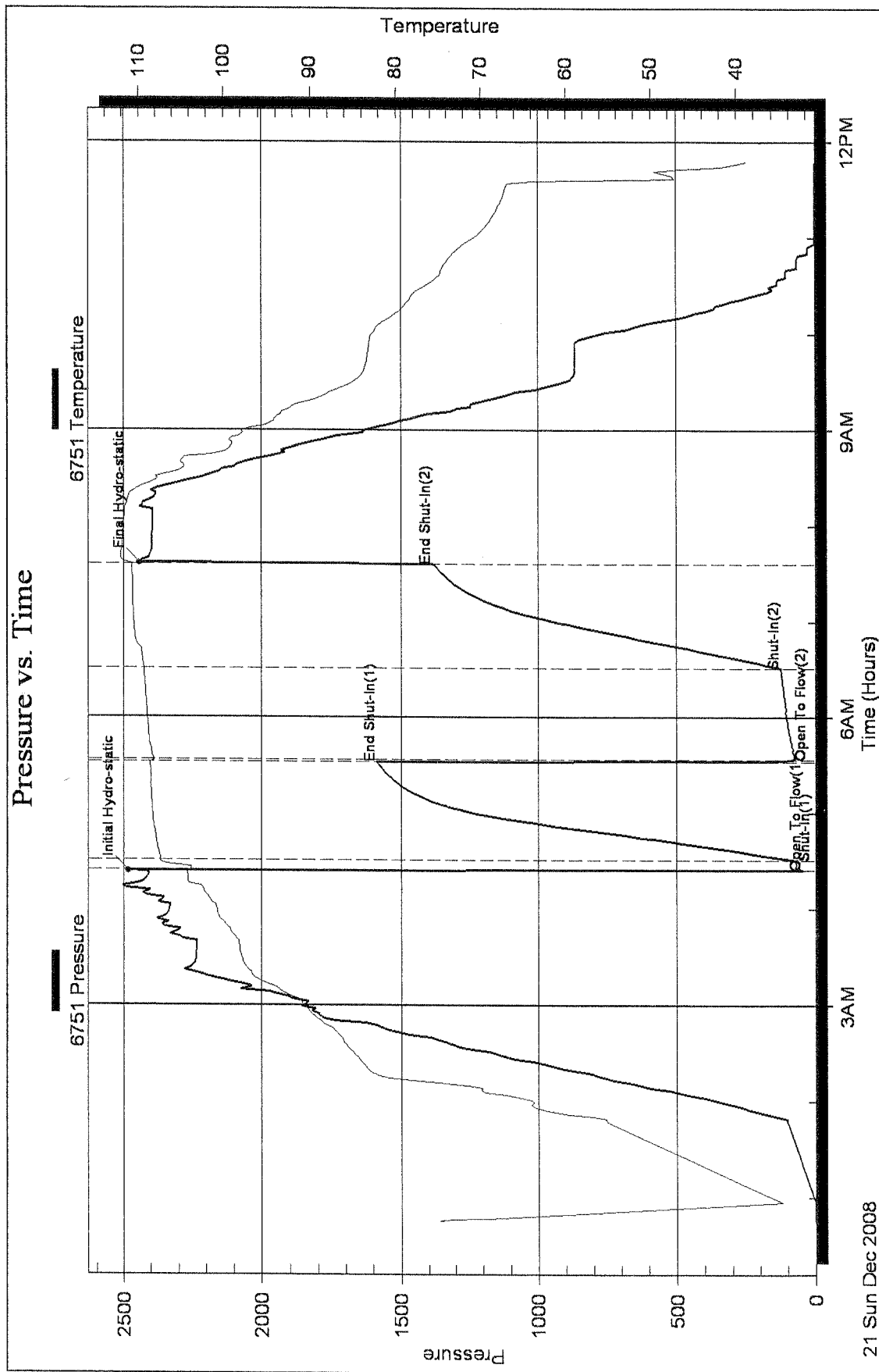
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



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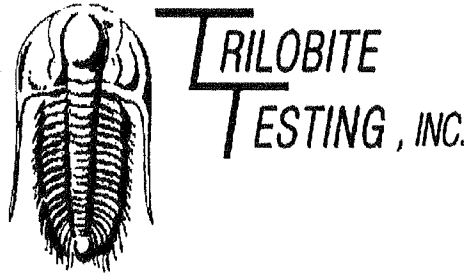
Ref. No: 31052

Triobite Testing, Inc

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APR 01 2009

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DRILL STEM TEST REPORT

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

250 N.Water, Ste.300
Wichita, KS 67202

ATTN: Jeff Christian

9 33s20w Comanche KS

Seyfert A #1-9X

Start Date: 2008.12.22 @ 18:40:23

End Date: 2008.12.23 @ 06:59:53

Job Ticket #: 33992 DST #: 2

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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, Ste. 300
Wichita, KS 67202

ATTN: Jeff Christian

Seyfert A #1-9X

9 33s20w Comanche KS

Job Ticket: 33992

DST#: 2

Test Start: 2008.12.22 @ 18:40:23

GENERAL INFORMATION:

Formation: **Morrow Sd.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:21:53

Time Test Ended: 06:59:53

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **5155.00 ft (KB) To 5213.00 ft (KB) (TVD)**

Total Depth: 5213.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1838.00 ft (KB)

1827.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8167

Inside

Press@RunDepth: 104.83 psig @ 5156.00 ft (KB)

Start Date: 2008.12.22

End Date:

2008.12.23

Capacity: 7000.00 psig

Last Calib.: 2008.12.23

Start Time: 18:40:28

End Time:

06:59:53

Time On Btm: 2008.12.22 @ 23:21:22

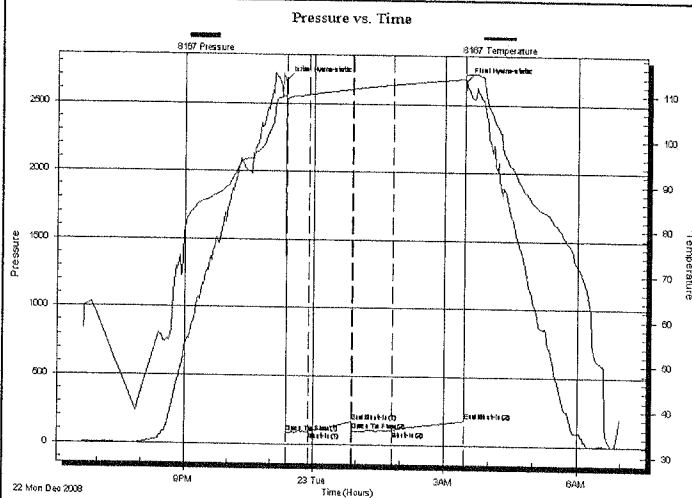
Time Off Btm: 2008.12.23 @ 03:29:08

TEST COMMENT: IF: Weak blow . 3/4 - 2"

ISI: No blow .

FF: Weak blow . 1/2 - 1".

FSI: No blow .



PRESSURE SUMMARY

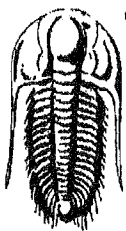
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2666.90	109.73	Initial Hydro-static
1	80.14	108.57	Open To Flow (1)
32	87.45	109.96	Shut-In(1)
93	165.42	111.22	End Shut-In(1)
93	99.86	111.23	Open To Flow (2)
149	104.83	112.28	Shut-In(2)
246	178.40	113.71	End Shut-In(2)
248	2671.49	114.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
175.00	Drig. mud	0.86
0.00	65 ft. of GIP	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.

Seyfert A #1-9X

250 N. Water, Ste. 300
Wichita, KS 67202

9 33s20w Comanche KS

Job Ticket: 33992

DST#: 2

ATTN: Jeff Christian

Test Start: 2008.12.22 @ 18:40:23

Tool Information

Drill Pipe:	Length: 4974.00 ft	Diameter: 3.80 inches	Volume: 69.77 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: 24000.00 lb
Drill Collar:	Length: 176.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 72000.00 lb
			<u>Total Volume: 70.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	5155.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

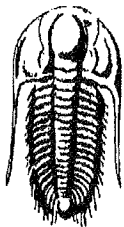
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5128.00	
Shut In Tool	5.00			5133.00	
Hydraulic tool	5.00			5138.00	
Jars	5.00			5143.00	
Safety Joint	3.00			5146.00	
Packer	4.00			5150.00	28.00 Bottom Of Top Packer
Packer	5.00			5155.00	
Stubb	1.00			5156.00	
Recorder	0.00	8167	Inside	5156.00	
Recorder	0.00	8370	Inside	5156.00	
Perforations	5.00			5161.00	
Change Over Sub	1.00			5162.00	
Blank Spacing	32.00			5194.00	
Change Over Sub	1.00			5195.00	
Perforations	13.00			5208.00	
Bullnose	5.00			5213.00	58.00 Bottom Packers & Anchor
Total Tool Length:	86.00				

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Seyfert A #1-9X

250 N. Water, Ste. 300
Wichita, KS 67202

9 33s20w Comanche KS

Job Ticket: 33992

DST#: 2

ATTN: Jeff Christian

Test Start: 2008.12.22 @ 18:40:23

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 7.19 in³

Resistivity: 0.00 ohm.m

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

6000 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
175.00	Drilg. mud	0.861
0.00	65 ft. of GIP	0.000

Total Length: 175.00 ft

Total Volume: 0.861 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

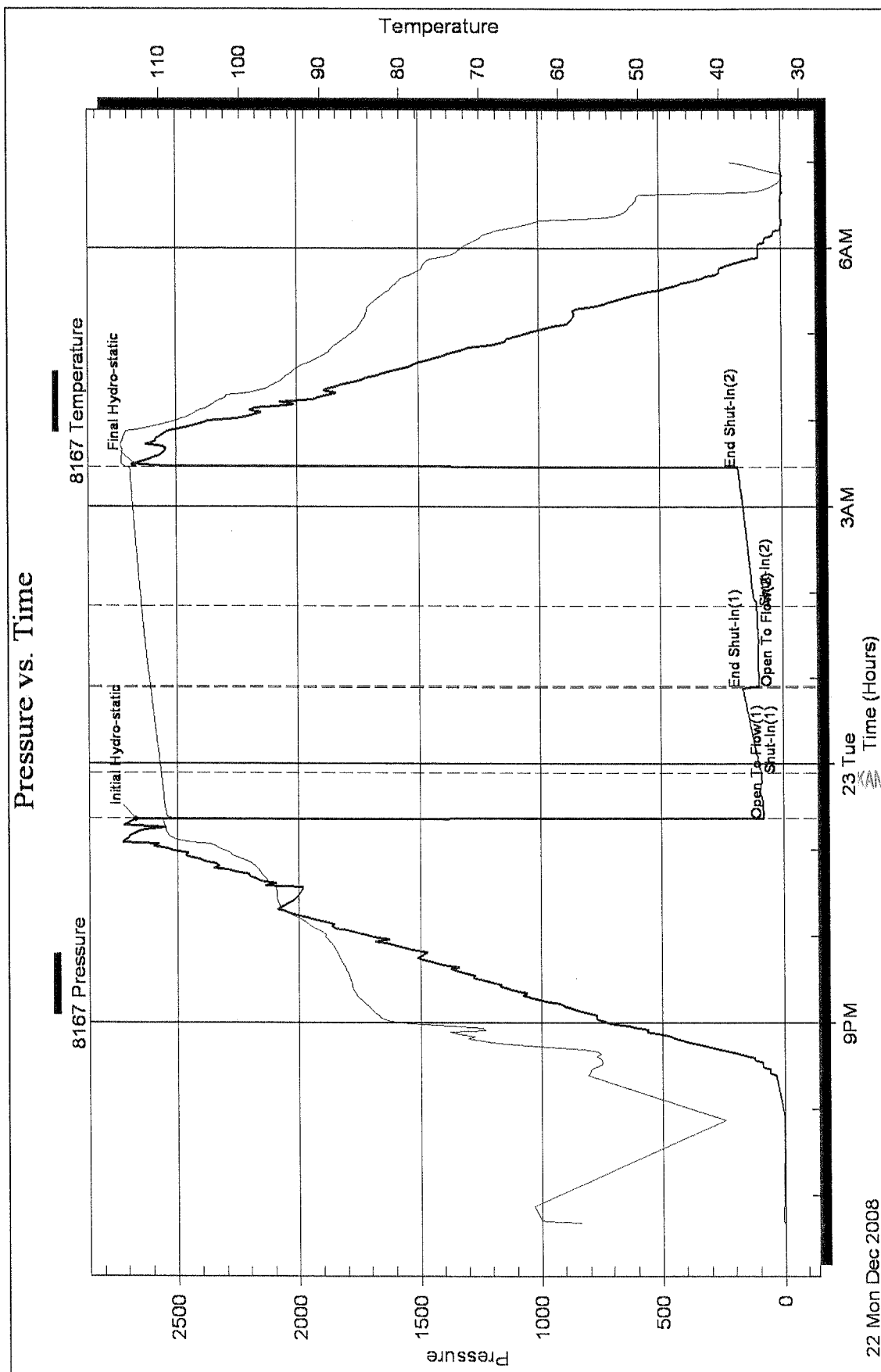
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

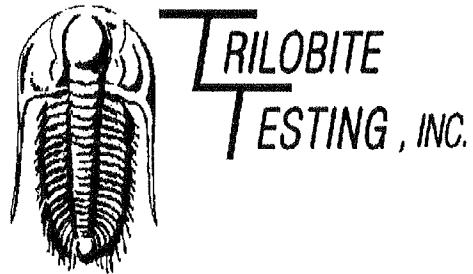
Pressure vs. Time



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Ref. No: 33992

Trilobite Testing, Inc



DRILL STEM TEST REPORT

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

250 N.Water, Ste.300
Wichita, KS 67202

ATTN: Jeff Christian

9 33s20w Comanche KS

Seyfert A #1-9X

Start Date: 2008.12.23 @ 21:06:12

End Date: 2008.12.24 @ 08:33:27

Job Ticket #: 33855 DST #: 3

KANSAS CORPORATION COMMISSION

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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, Ste. 300
Wichita, KS 67202

ATTN: Jeff Christian

Seyfert A #1-9X

9 33s20w Comanche KS

Job Ticket: 33855

DST#: 3

Test Start: 2008.12.23 @ 21:06:12

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:48:57

Time Test Ended: 08:33:27

Interval: **5154.00 ft (KB) To 5243.00 ft (KB) (TVD)**

Total Depth: 5243.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Test Type: Conventional Bottom Hole

Tester: Esak Hadley

Unit No: 46

Reference Elevations: 1838.00 ft (KB)

1827.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8354

Inside

Press@RunDepth: 116.84 psig @ 5155.00 ft (KB)

Start Date: 2008.12.23

End Date:

2008.12.24

Start Time: 21:06:17

End Time:

08:33:27

Capacity: 7000.00 psig

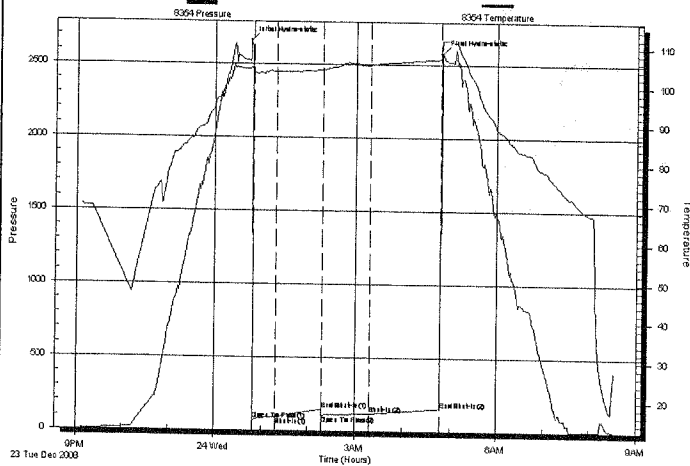
Last Calib.: 2008.12.24

Time On Btm: 2008.12.24 @ 00:46:12

Time Off Btm: 2008.12.24 @ 04:49:26

TEST COMMENT: IF Weak blow . No more than 1".
ISI No blow .
FF Weak surface blow . No more than 1/4".
FSI No blow .

Pressure vs. Time



PRESSURE SUMMARY

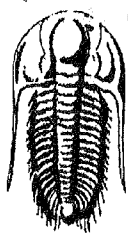
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2658.79	104.51	Initial Hydro-static
3	69.04	103.61	Open To Flow (1)
32	93.42	103.56	Shut-In (1)
92	145.57	104.06	End Shut-In (1)
93	106.09	104.11	Open To Flow (2)
153	116.84	105.38	Shut-In (2)
242	153.57	106.93	End Shut-In (2)
244	2575.41	111.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
118.00	drilg mud	0.58
67.00	WM 5%w 95%m	0.40

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

Seyfert A #1-9X

250 N. Water, Ste. 300
Wichita, KS 67202

9 33s20w Comanche KS

Job Ticket: 33855

DST#: 3

ATTN: Jeff Christian

Test Start: 2008.12.23 @ 21:06:12

Tool Information

Drill Pipe:	Length: 4972.00 ft	Diameter: 3.80 inches	Volume: 69.74 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: 25000.00 lb
Drill Collar:	Length: 177.00 ft	Diameter: 2.25 inches	Volume: 0.87 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume: 70.61 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	5154.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	89.00 ft			
Tool Length:	117.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

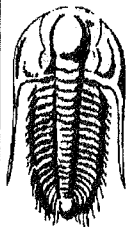
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5127.00	
Shut In Tool	5.00			5132.00	
Hydraulic tool	5.00			5137.00	
Jars	5.00			5142.00	
Safety Joint	3.00			5145.00	
Packer	4.00			5149.00	28.00 Bottom Of Top Packer
Packer	5.00			5154.00	
Stubb	1.00			5155.00	
Recorder	0.00	8354	Inside	5155.00	
Recorder	0.00	8289	Inside	5155.00	
Perforations	18.00			5173.00	
Change Over Sub	1.00			5174.00	
Blank Spacing	63.00			5237.00	
Change Over Sub	1.00			5238.00	
Bullnose	5.00			5243.00	89.00 Bottom Packers & Anchor

Total Tool Length: 117.00

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

Seyfert A #1-9X

250 N. Water, Ste. 300
Wichita, KS 67202

9 33s20w Comanche KS

Job Ticket: 33855

DST#: 3

ATTN: Jeff Christian

Test Start: 2008.12.23 @ 21:06:12

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 92.00 sec/qt

Water Loss: 11.18 in³

Resistivity: 0.00 ohm.m

Salinity: 8500.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	drilg mud	0.580
67.00	WM 5%w 95%m	0.402

Total Length: 185.00 ft

Total Volume: 0.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

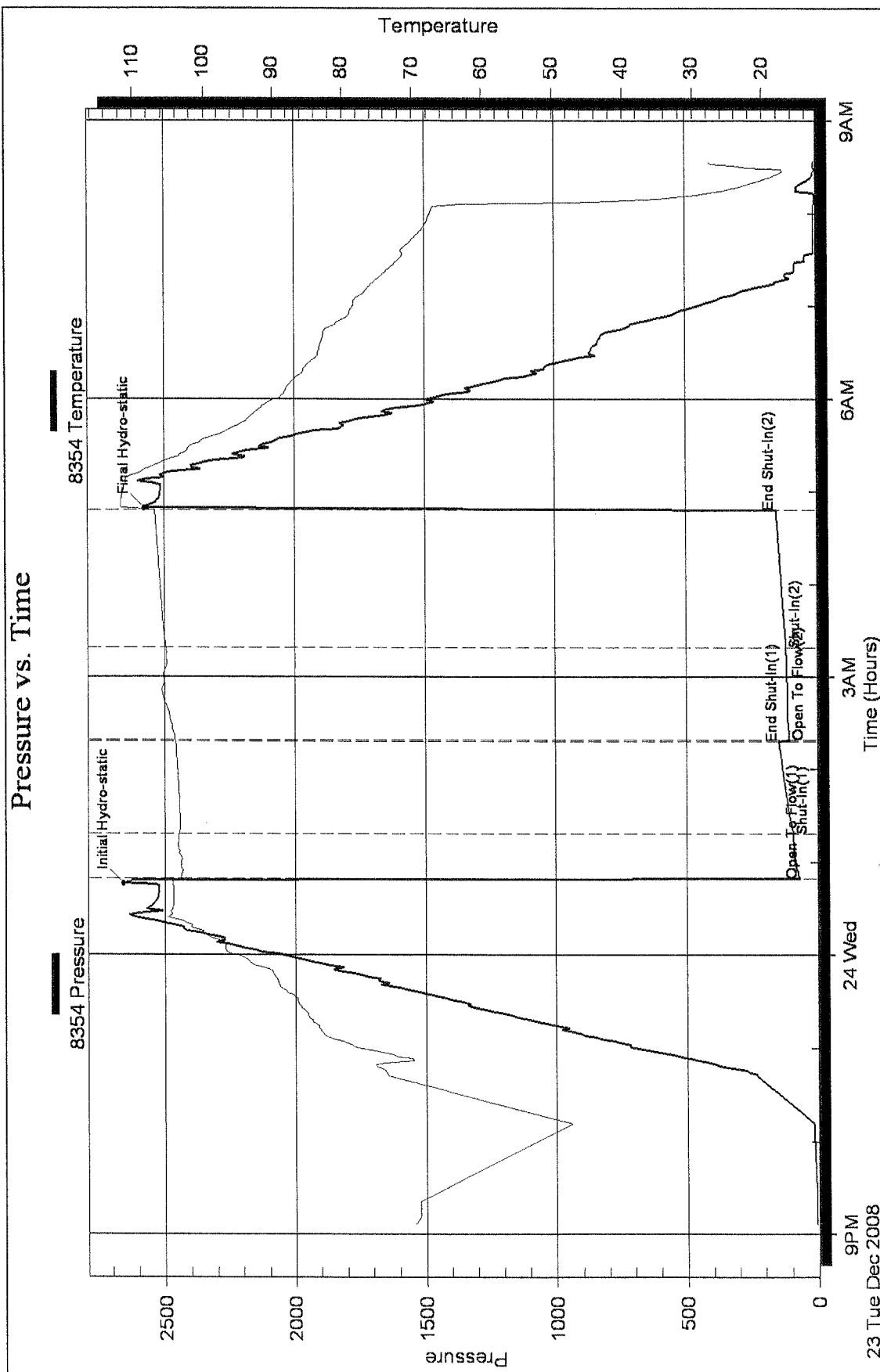
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



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Ref. No: 33855

Trilobite Testing, Inc