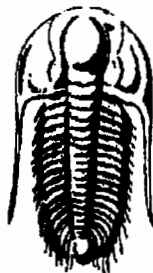


CONFIDENTIAL**TRILOBITE
TESTING, INC.****DRILL STEM TEST REPORT**Prepared For: **Murfin Drilling Co**250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

23 5 26 Decatur KS**SKRM #1-23**

Start Date: 2007.05.28 @ 17:55:53

End Date: 2007.05.29 @ 00:38:38

Job Ticket #: 28329

DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

CONFIDENTIAL**SEP 09 2007****KCC**

Murfin Drilling Co

SKRM #1-23

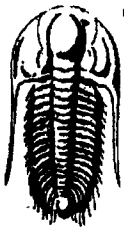
23 5 26 Decatur KS

DST # 1

Toronto-LKC-B

2007.05.28

RECEIVEDPrinted: 2007.06.01 @ 10:00:35 Page 1
KANSAS CORPORATION COMMISSION**OCT 05 2007**CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

SKRM #1-23

23 5 26 Decatur KS

Job Ticket: 28329

Test Start: 2007.05.28 @ 17:55:53

GENERAL INFORMATION:

Formation: **Toronto-LKC"B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:51:53

Time Test Ended: 00:38:38

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3558.00 ft (KB) To 3635.00 ft (KB) (TVD)**

Total Depth: 3635.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2534.00 ft (KB)

2529.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320 Inside

Press@RunDepth: 26.71 psig @ 3563.00 ft (KB)

Start Date: 2007.05.28

End Date:

2007.05.29

Start Time: 17:55:55

End Time:

00:38:38

Capacity: 7000.00 psig

Last Calib.: 2007.05.29

Time On Btm: 2007.05.28 @ 19:51:38

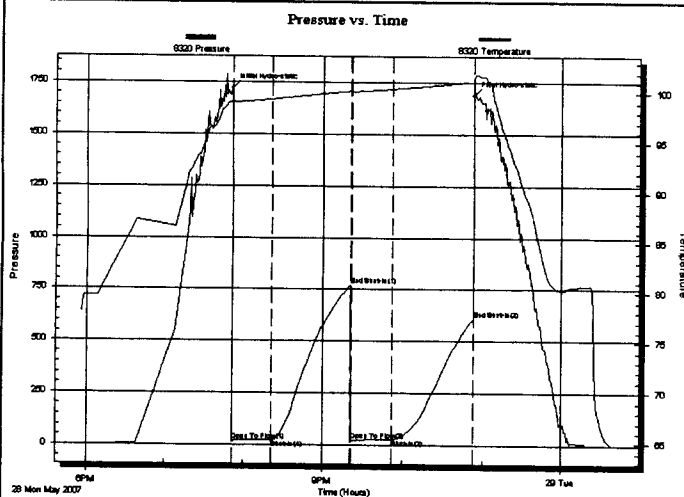
Time Off Btm: 2007.05.28 @ 22:53:08

TEST COMMENT: IFP Weak 1/4 " blow died in 21 min

ISI No blow back

FFP No blow

FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1720.53	99.22	Initial Hydro-static
1	20.82	98.84	Open To Flow (1)
31	24.09	99.41	Shut-In (1)
89	771.13	100.22	End Shut-In (1)
90	24.67	100.12	Open To Flow (2)
121	26.71	100.43	Shut-In (2)
182	608.63	101.15	End Shut-In (2)
182	1688.32	101.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	VSOCM2%O 98%M	0.05

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

SKRM #1-23

250 N Water Ste 300
Wichita KS 67202

23 5 26 Decatur KS

Job Ticket: 28329

DST#: 1

ATTN: Rocky Milford

Test Start: 2007.05.28 @ 17:55:53

Tool Information

Drill Pipe:	Length: 3361.00 ft	Diameter: 3.82 inches	Volume: 47.64 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	48.55 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3558.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	77.00 ft				
Tool Length:	105.00 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			3531.00	
Shut In Tool	5.00			3536.00	
Hydraulic tool	5.00			3541.00	
Jars	5.00			3546.00	
Safety Joint	2.00			3548.00	
Packer	5.00			3553.00	28.00 Bottom Of Top Packer
Packer	5.00			3558.00	
Stubb	1.00			3559.00	
Perforations	3.00			3562.00	
Change Over Sub	1.00			3563.00	
Recorder	0.00	8320	Inside	3563.00	
Blank Spacing	63.00			3626.00	
Change Over Sub	1.00			3627.00	
Perforations	5.00			3632.00	
Recorder	0.00	13401	Inside	3632.00	
Bullnose	3.00			3635.00	77.00 Bottom Packers & Anchor
Total Tool Length:		105.00			

OCT 05 2007



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

SKRM #1-23

250 N Water Ste 300
Wichita KS 67202

23 5 26 Decatur KS

Job Ticket: 28329

DST#: 1

ATTN: Rocky Milford

Test Start: 2007.05.28 @ 17:55:53

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: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	VSOCM2%O 98%M	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

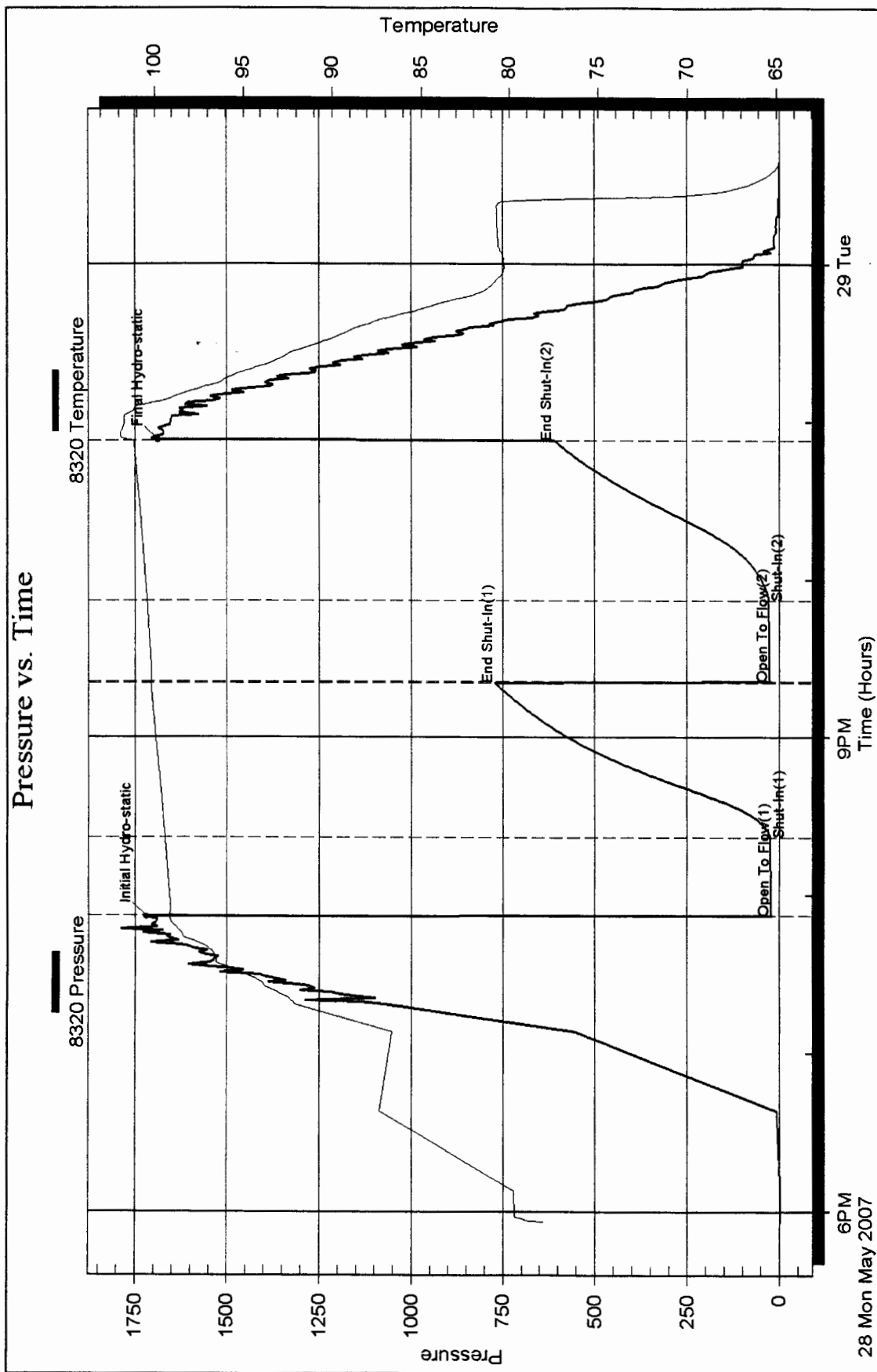
Num Gas Bombs: 0

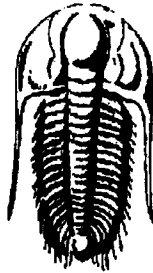
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

23 5 26 Decatur KS

SKRM #1-23

Start Date: 2007.05.29 @ 09:23:09

End Date: 2007.05.29 @ 17:18:07

Job Ticket #: 28330 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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CONSERVATION DIVISION
WICHITA, KS

Murfin Drilling Co

SKRM #1-23

23 5 26 Decatur KS

DST # 2

LKC"D-G"

2007.05.29



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co
250 N Water Ste 300
Wichita KS 67202
ATTN: Rocky Milford

SKRM #1-23

23 5 26 Decatur KS

Job Ticket: 28330

DST#: 2

Test Start: 2007.05.29 @ 09:23:09

GENERAL INFORMATION:

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

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:13:07

Time Test Ended: 17:18:07

Test Type: Conventional Bottom Hole

Tester: Tyson Flax

Unit No: 21

Interval: **3615.00 ft (KB) To 3695.00 ft (KB) (TVD)**

Total Depth: 3695.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2534.00 ft (KB)

2529.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8320

Inside

Press@RunDepth: 679.26 psig @ 3620.00 ft (KB)

Start Date: 2007.05.29

End Date:

2007.05.29

Start Time: 09:23:09

End Time:

17:18:07

Capacity: 7000.00 psig

Last Calib.: 2007.05.29

Time On Btm: 2007.05.29 @ 11:12:52

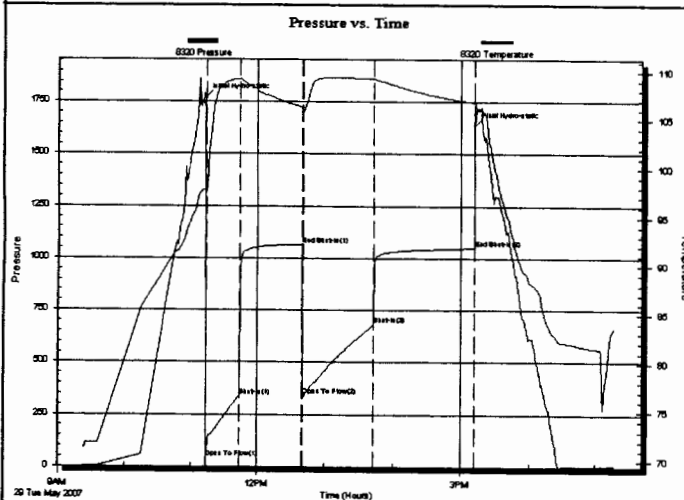
Time Off Btm: 2007.05.29 @ 15:11:52

TEST COMMENT: IFP BOB in 4.5 min

ISI Weak surface blow back built to 1/2 " died in 45 min

FFP BOB in 3 min

FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1769.76	97.91	Initial Hydro-static
1	38.68	97.61	Open To Flow (1)
31	337.64	109.23	Shut-In (1)
88	1066.50	106.32	End Shut-In (1)
88	338.74	106.04	Open To Flow (2)
150	679.26	109.24	Shut-In (2)
239	1048.95	106.81	End Shut-In (2)
239	1636.53	107.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1090.00	Salt Water	13.74
240.00	MW 80%W 20%M	3.40
125.00	MW 60%W 40%M	1.77

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

SKRM #1-23

23 5 26 Decatur KS

Job Ticket: 28330

DST#: 2

Test Start: 2007.05.29 @ 09:23:09

Tool Information

Drill Pipe:	Length: 3423.00 ft	Diameter: 3.82 inches	Volume: 48.52 bbl	Tool Weight:	2500.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb	
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose:	55000.00 lb	
			Total Volume:	49.43 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	42000.00 lb	
Depth to Top Packer:	3615.00 ft			Final	50000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	80.00 ft					
Tool Length:	108.00 ft					
Number of Packers:	2	Diameter:	6.75 inches			
Tool Comments:						

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3588.00	
Shut In Tool	5.00			3593.00	
Hydraulic tool	5.00			3598.00	
Jars	5.00			3603.00	
Safety Joint	2.00			3605.00	
Packer	5.00			3610.00	28.00 Bottom Of Top Packer
Packer	5.00			3615.00	
Stubb	1.00			3616.00	
Perforations	3.00			3619.00	
Change Over Sub	1.00			3620.00	
Recorder	0.00	8320	Inside	3620.00	
Blank Spacing	63.00			3683.00	
Change Over Sub	1.00			3684.00	
Perforations	8.00			3692.00	
Recorder	0.00	13401	Inside	3692.00	
Bullnose	3.00			3695.00	80.00 Bottom Packers & Anchor
Total Tool Length:	108.00				

OCT 0 5 2007



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

SKRM #1-23

250 N Water Ste 300
Wichita KS 67202

23 5 26 Decatur KS

Job Ticket: 28330

DST#: 2

ATTN: Rocky Milford

Test Start: 2007.05.29 @ 09:23:09

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:

42000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1090.00	Salt Water	13.739
240.00	MW 80%W 20%M	3.402
125.00	MW 60%W 40%M	1.772

Total Length: 1455.00 ft

Total Volume: 18.913 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

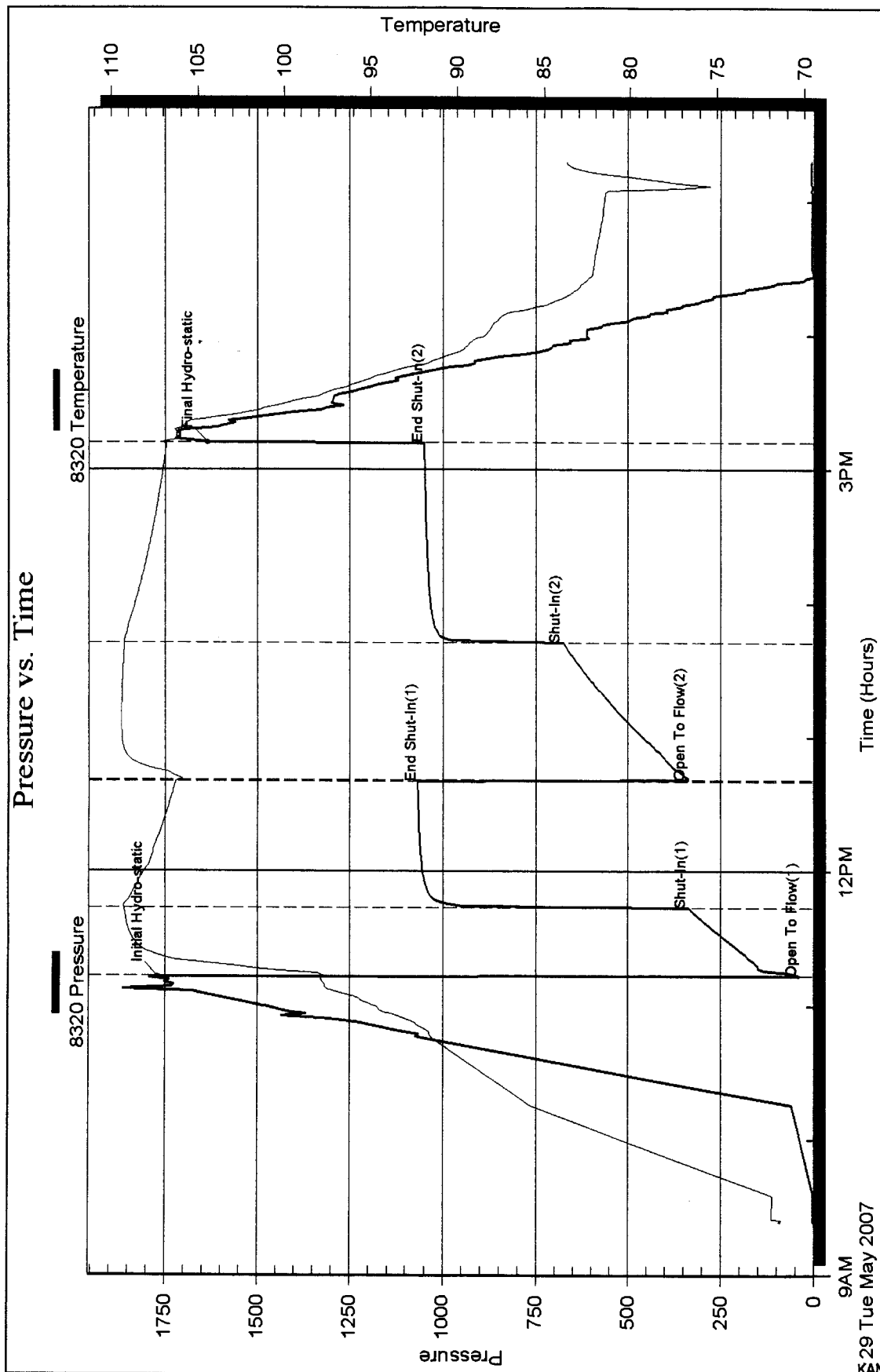
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

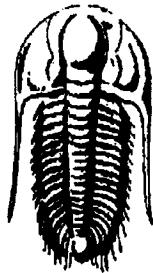


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CONSERVATION DIVISION
WICHITA, KS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co**

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

23 5 26 Decatur KS

SKRM #1-23

Start Date: 2007.05.30 @ 05:51:48

End Date: 2007.05.30 @ 13:50:48

Job Ticket #: 28331 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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WICHITA, KS

Murfin Drilling Co

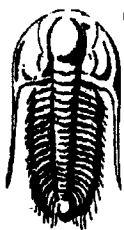
SKRM #1-23

23 5 26 Decatur KS

DST # 3

LKC"H."

2007.05.30



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

Murfin Drilling Co

250 N Water Ste 300
Wichita KS 67202

ATTN: Rocky Milford

SKRM #1-23

23 5 26 Decatur KS

Job Ticket: 28331

DST#: 3

Test Start: 2007.05.30 @ 05:51:48

GENERAL INFORMATION:

Formation: **LKC"H"**

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

Time Tool Opened: 07:43:03

Time Test Ended: 13:50:48

Test Type: **Conventional Bottom Hole**

Tester: **Tyson Flax**

Unit No: **21**

Interval: **3693.00 ft (KB) To 3795.00 ft (KB) (TVD)**

Total Depth: **3795.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2534.00 ft (KB)**

2529.00 ft (CF)

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

Serial #: 8320

Inside

Press@RunDepth: **464.40 psig @ 3700.00 ft (KB)**

Start Date: **2007.05.30**

End Date:

2007.05.30

Capacity: **7000.00 psig**

Last Calib.: **2007.05.30**

Start Time: **05:51:50**

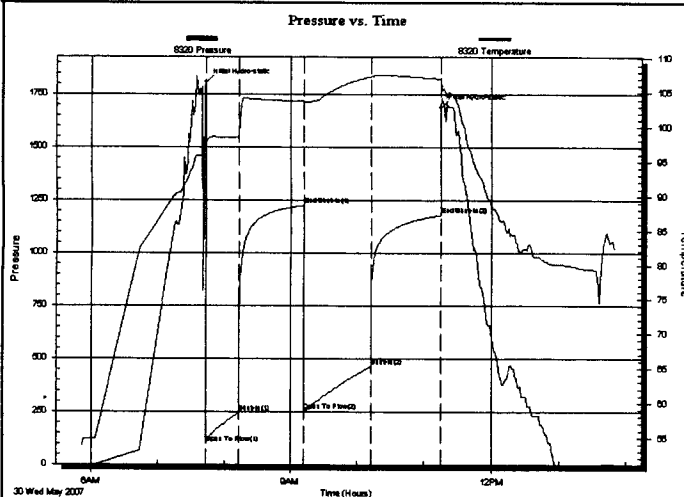
End Time:

13:50:48

Time On Btm: **2007.05.30 @ 07:42:48**

Time Off Btm: **2007.05.30 @ 11:15:03**

TEST COMMENT: IFP BOB in 6 min
ISI No blow back
FFP BOB in 7.5 min
FSI No blow back



PRESSURE SUMMARY

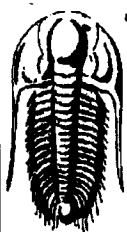
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1805.76	98.05	Initial Hydro-static
1	99.52	97.65	Open To Flow (1)
30	244.59	98.55	Shut-In (1)
89	1225.10	103.77	End Shut-In (1)
90	252.31	103.68	Open To Flow (2)
150	464.40	107.32	Shut-In (2)
212	1179.11	107.02	End Shut-In (2)
213	1686.54	107.11	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
480.00	Water	5.09
180.00	MW 90%W 10%M	2.55
120.00	MW w /scum of Oil 60%W 40%M	1.70
150.00	Mud	2.13

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co

SKRM #1-23

250 N Water Ste 300
Wichita KS 67202

23 5 26 Decatur KS

Job Ticket: 28331

DST#: 3

ATTN: Rocky Milford

Test Start: 2007.05.30 @ 05:51:48

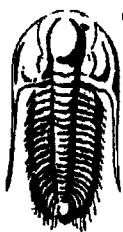
Tool Information

Drill Pipe:	Length: 3485.00 ft	Diameter: 3.82 inches	Volume: 49.40 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 185.00 ft	Diameter: 2.25 inches	Volume: 0.91 bbl	Weight to Pull Loose: 50000.00 lb
			Total Volume: 50.31 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3693.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.00 ft			
Tool Length:	130.00 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			3666.00	
Shut In Tool	5.00			3671.00	
Hydraulic tool	5.00			3676.00	
Jars	5.00			3681.00	
Safety Joint	2.00			3683.00	
Packer	5.00			3688.00	28.00 Bottom Of Top Packer
Packer	5.00			3693.00	
Stubb	1.00			3694.00	
Perforations	5.00			3699.00	
Change Over Sub	1.00			3700.00	
Recorder	0.00	8320	Inside	3700.00	
Blank Spacing	63.00			3763.00	
Change Over Sub	1.00			3764.00	
Perforations	28.00			3792.00	
Recorder	0.00	13401	Inside	3792.00	
Bullnose	3.00			3795.00	102.00 Bottom Packers & Anchor
Total Tool Length:	130.00				

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co

SKRM #1-23

250 N Water Ste 300
Wichita KS 67202

23 5 26 Decatur KS

Job Ticket: 28331

DST#: 3

ATTN: Rocky Milford

Test Start: 2007.05.30 @ 05:51:48

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:

44000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
480.00	Water	5.092
180.00	MW 90%W 10%M	2.552
120.00	MW w/scum of Oil 60%W 40%M	1.701
150.00	Mud	2.126

Total Length: 930.00 ft

Total Volume: 11.471 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 3

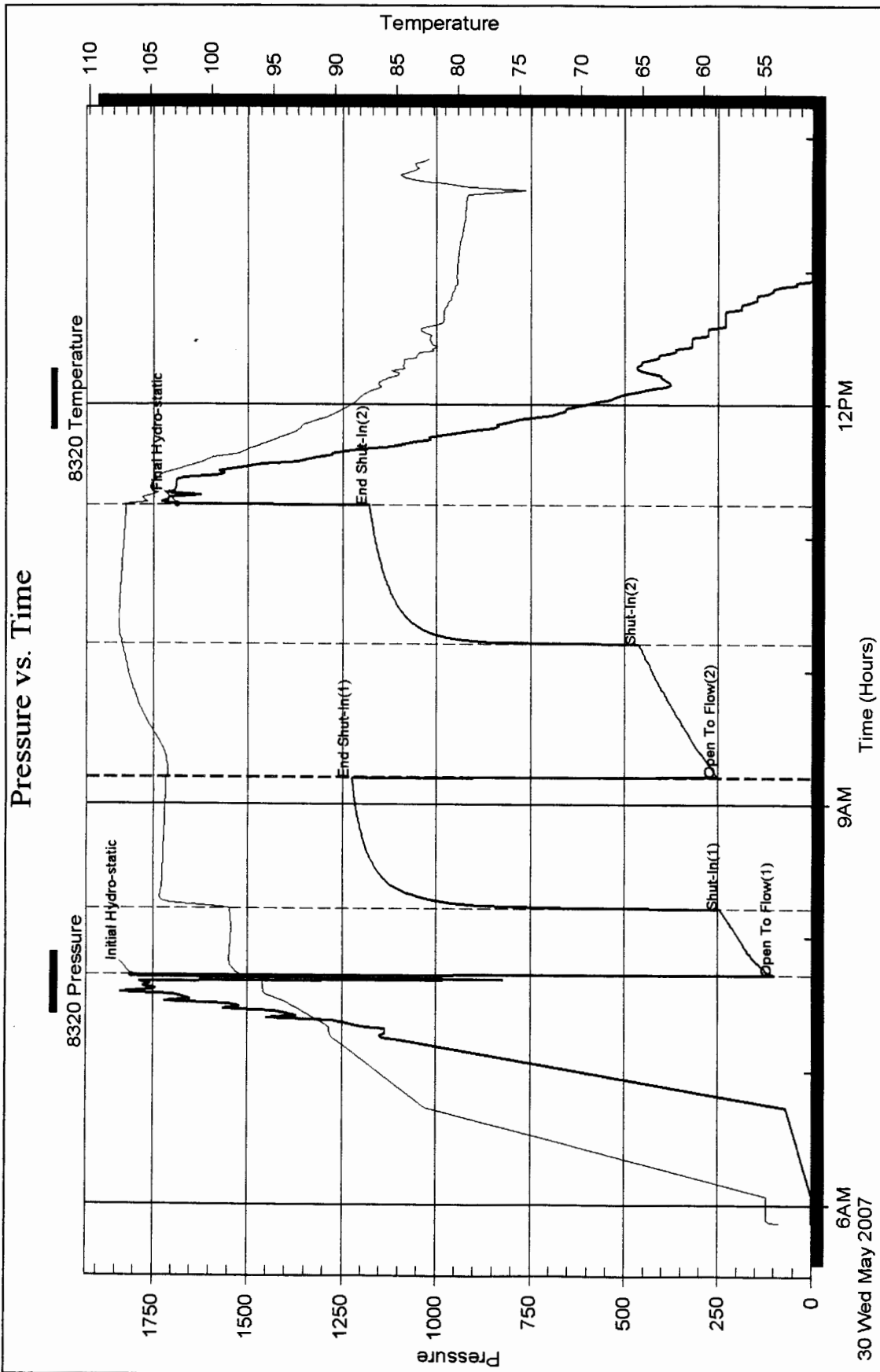
23 5 26 Decatur KS

Murfin Drilling Co

Inside

Serial #: 8320

Pressure vs. Time



Printed: 2007.06.01 @ 10:02:01 Page 5

Ref. No: 28331

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