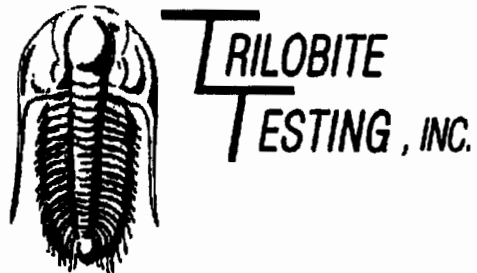


15-057-20658

32-27s-24w



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water
Suite 300
Wichita, KS 67202

ATTN: Wes Hansen

32-27-24 Ford, KS

Fischer 'B' #1-32

Start Date: 2009.12.12 @ 01:22:00

End Date: 2009.12.12 @ 10:34:12

Job Ticket #: 37723 DST #: 1

RECEIVED

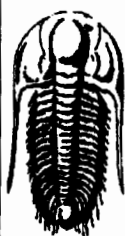
JAN 08 2010

KCC WICHITA

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.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Wes Hansen

Fischer 'B' #1-32

32-27-24 Ford, KS

Job Ticket: 37723

DST#: 1

Test Start: 2009.12.12 @ 01:22:00

GENERAL INFORMATION:

Formation: **Mississippian**

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

Time Tool Opened: 03:47:36

Time Test Ended: 10:34:12

Test Type: **Conventional Bottom Hole**

Tester: **Chuck Smith**

Unit No: **37**

Interval: **5074.00 ft (KB) To 5140.00 ft (KB) (TVD)**

Total Depth: **5140.00 ft (KB) (TVD)**

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

Reference Elevations: **2578.00 ft (KB)**

2569.00 ft (CF)

KB to GR/CF: **9.00 ft**

Serial #: **8351** Inside

Press@RunDepth: **27.80 psig @ 5077.00 ft (KB)**

Start Date: **2009.12.12**

End Date:

2009.12.12

Start Time: **01:22:01**

End Time:

10:34:12

Capacity: **8000.00 psig**

Last Calib.: **2009.12.12**

Time On Btm: **2009.12.12 @ 03:45:48**

Time Off Btm: **2009.12.12 @ 07:39:12**

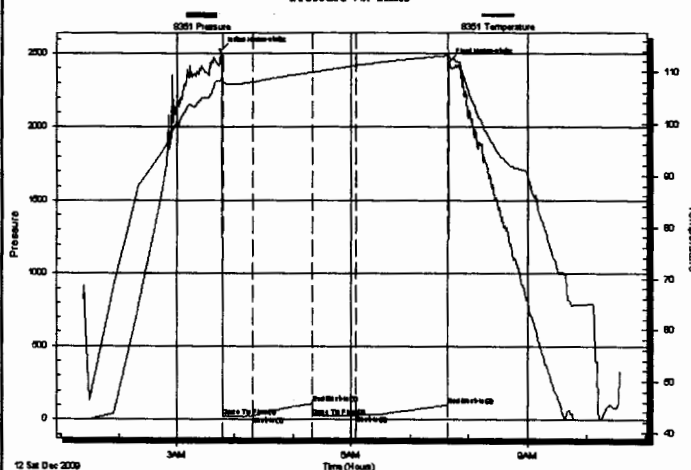
TEST COMMENT: IF: 3" Blow.

IS: No return.

FF: 3 1/2" Blow.

FS: Surface return died @ 20 min.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2520.37	108.40	Initial Hydro-static
2	19.02	107.73	Open To Flow (1)
33	23.64	107.99	Shut-In (1)
94	110.67	109.90	End Shut-In (1)
94	21.93	109.88	Open To Flow (2)
140	27.80	111.19	Shut-In (2)
233	102.08	113.16	End Shut-In (2)
234	2439.15	113.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OSM 100%M	0.07

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.

Fischer 'B' #1-32

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Wes Hansen

32-27-24 Ford, KS

Job Ticket: 37723

DST#: 1

Test Start: 2009.12.12 @ 01:22:00

Tool Information

Drill Pipe:	Length: 4882.00 ft	Diameter: 3.80 inches	Volume: 68.48 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: 20000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose: 75000.00 lb
		Total Volume:	69.36 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.50 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	5074.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 ft			
Tool Length:	93.50 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			5047.50	
Shut In Tool	5.00			5052.50	
Hydraulic tool	5.00			5057.50	
Jars	5.00			5062.50	
Safety Joint	2.50			5065.00	
Packer	5.00			5070.00	27.50 Bottom Of Top Packer
Packer	4.00			5074.00	
Stubb	1.00			5075.00	
Perforations	2.00			5077.00	
Recorder	0.00	8351	Inside	5077.00	
Recorder	0.00	8359	Inside	5077.00	
Perforations	25.00			5102.00	
Change Over Sub	1.00			5103.00	
Drill Pipe	31.00			5134.00	
Change Over Sub	1.00			5135.00	
Bullnose	5.00			5140.00	66.00 Bottom Packers & Anchor
Total Tool Length:	93.50				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

Fischer 'B' #1-32

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Wes Hansen

32-27-24 Ford, KS
Job Ticket: 37723 DST#: 1
Test Start: 2009.12.12 @ 01:22:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 45.00 sec/qt

Water Loss: 7.59 in³

Resistivity: 0.00 ohm.m

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

0 deg API

Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OSM 100%M	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

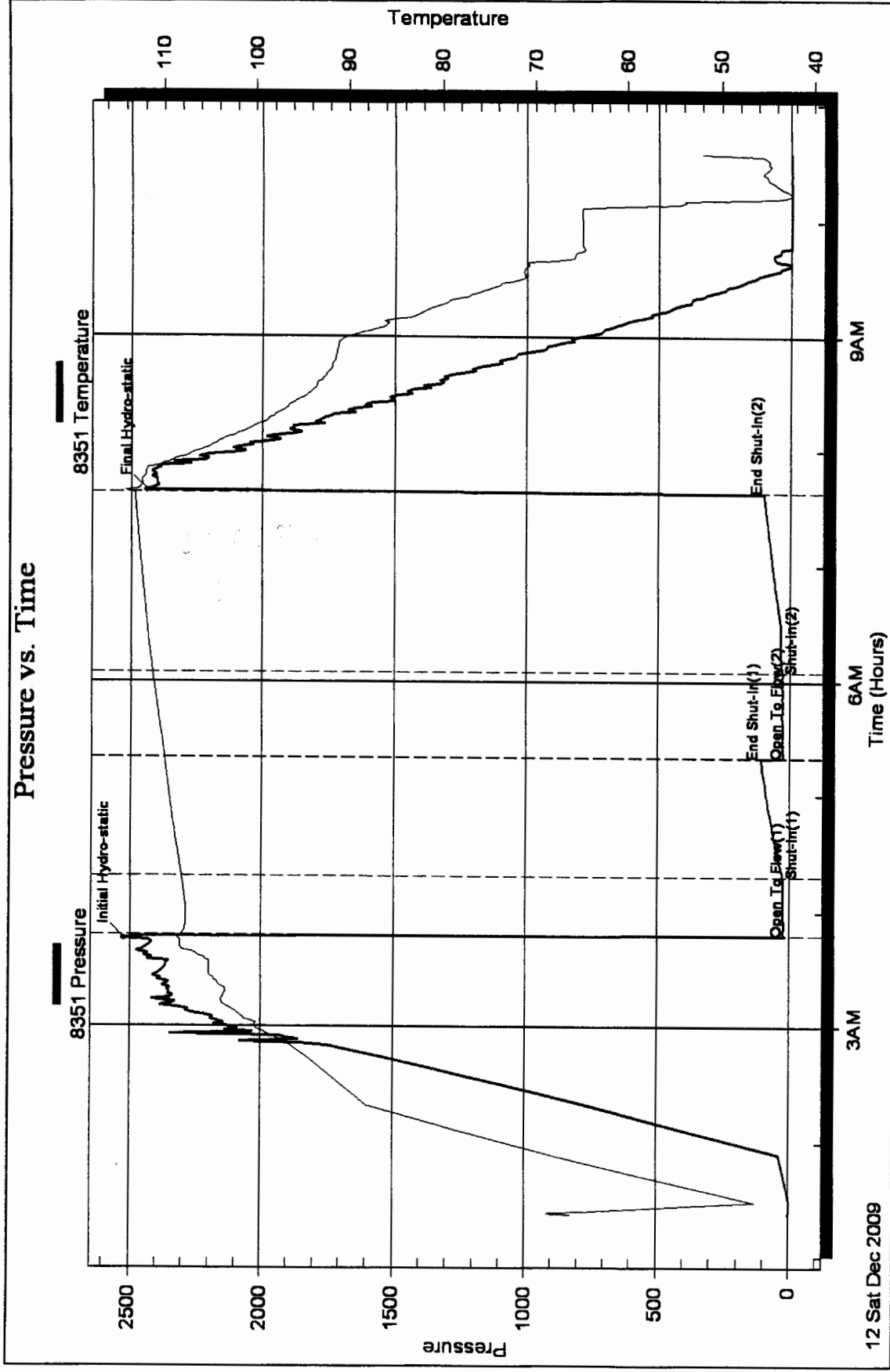
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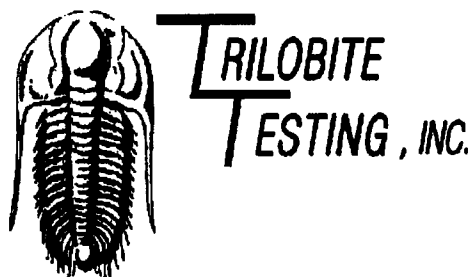
Inside

Murfin Drilling Co.

32-27-24 Ford, KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co.**

250 N. Water
Suite 300
Wichita, KS 67202

ATTN: Wes Hansen

32-27-24 Ford, KS

Fischer 'B' #1-32

Start Date: 2009.12.12 @ 21:53:00

End Date: 2009.12.13 @ 05:09:47

Job Ticket #: 37724 DST #: 2

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

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JAN 08 2010
KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co.

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Wes Hansen

Fischer 'B' #1-32

32-27-24 Ford, KS

Job Ticket: 37724

DST#: 2

Test Start: 2009.12.12 @ 21:53:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:06:12

Time Test Ended: 05:09:47

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **5136.00 ft (KB) To 5170.00 ft (KB) (TVD)**

Total Depth: 5170.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2578.00 ft (KB)

2569.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8351

Inside

Press@RunDepth: 33.98 psig @ 5140.00 ft (KB)

Start Date: 2009.12.12 End Date:

2009.12.13

Capacity: 8000.00 psig

Last Calib.: 2009.12.13

Start Time: 21:53:01 End Time:

05:09:48

Time On Btm: 2009.12.13 @ 00:04:36

Time Off Btm: 2009.12.13 @ 02:39:12

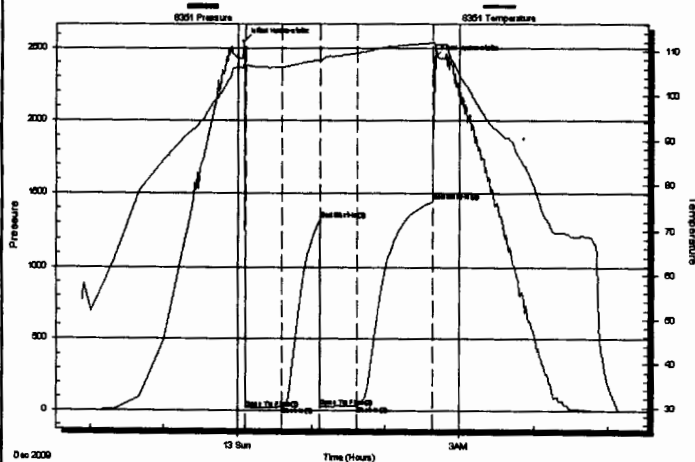
TEST COMMENT: IF: Surface blow died @ 18 min.

ISI: No return.

FF: No blow.

FSI: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2545.50	106.36	Initial Hydro-static
2	17.69	106.22	Open To Flow (1)
31	24.87	106.36	Shut-In (1)
62	1321.43	107.98	End Shut-In (1)
63	27.82	107.64	Open To Flow (2)
93	33.98	109.54	Shut-In (2)
154	1445.75	111.93	End Shut-In (2)
155	2427.71	112.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OSM 100%M	0.15

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co.

Fischer 'B' #1-32

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Wes Hansen

32-27-24 Ford, KS
Job Ticket: 37724 **DST#: 2**
Test Start: 2009.12.12 @ 21:53:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 45.00 sec/qt
Water Loss: 9.19 in³
Resistivity: 0.00 ohm.m
Salinity: 7800.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig
Oil API: 0 deg API
Water Salinity: 0 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OSM 100%M	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:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co.

Fischer 'B' #1-32

250 N. Water
Suite 300
Wichita, KS 67202
ATTN: Wes Hansen

32-27-24 Ford, KS

Job Ticket: 37724

DST#: 2

Test Start: 2009.12.12 @ 21:53:00

Tool Information

Drill Pipe:	Length: 4946.00 ft	Diameter: 3.80 inches	Volume: 69.38 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:	20000.00 lb
Drill Collar:	Length: 178.00 ft	Diameter: 2.25 inches	Volume: 0.88 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	70.26 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	15.50 ft			String Weight: Initial	6000.00 lb
Depth to Top Packer:	5136.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	34.00 ft				
Tool Length:	61.50 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			5109.50	
Shut In Tool	5.00			5114.50	
Hydraulic tool	5.00			5119.50	
Jars	5.00			5124.50	
Safety Joint	2.50			5127.00	
Packer	5.00			5132.00	27.50 Bottom Of Top Packer
Packer	4.00			5136.00	
Stubb	1.00			5137.00	
Perforations	3.00			5140.00	
Recorder	0.00	8351	Inside	5140.00	
Recorder	0.00	8359	Inside	5140.00	
Perforations	25.00			5165.00	
Bullnose	5.00			5170.00	34.00 Bottom Packers & Anchor
Total Tool Length:		61.50			

Pressure vs. Time

