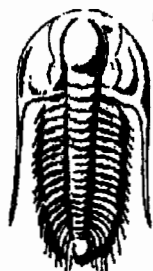


15-081-21526-0000



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc.**

PO Box 401
Fairfield IL 62837

INITIAL

ATTN: Jon Christenson

KC

JUN 01

23-29s-32w

CONFIDE

1# Heskamp

Start Date: 2004.04.30 @ 14:59:38

End Date: 2004.04.30 @ 23:38:53

Job Ticket #: 18925 DST #: 1

**RECEIVED
JUN 25 2004
KCC WICHITA**

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Strata Exploration Inc.

1# Heskamp

23-29s-32w

DST # 1

Cherokee/Atoka

2004.04.30



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Strata Exploration Inc.

1# Heskamp

PO Box 401
Fairfield IL 62837

23-29s-32w

Job Ticket: 18925

DST#: 1

ATTN: Jon Christenson

Test Start: 2004.04.30 @ 14:59:38

Tool Information

Drill Pipe:	Length: 4568.00 ft	Diameter: 3.80 inches	Volume: 64.08 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 416.00 ft	Diameter: 2.25 inches	Volume: 2.05 bbl	Weight to Pull Loose: 83000.00 lb
			<u>Total Volume: 66.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4999.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	106.00 ft			
Tool Length:	133.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		


Tool Comments:

Tool Description

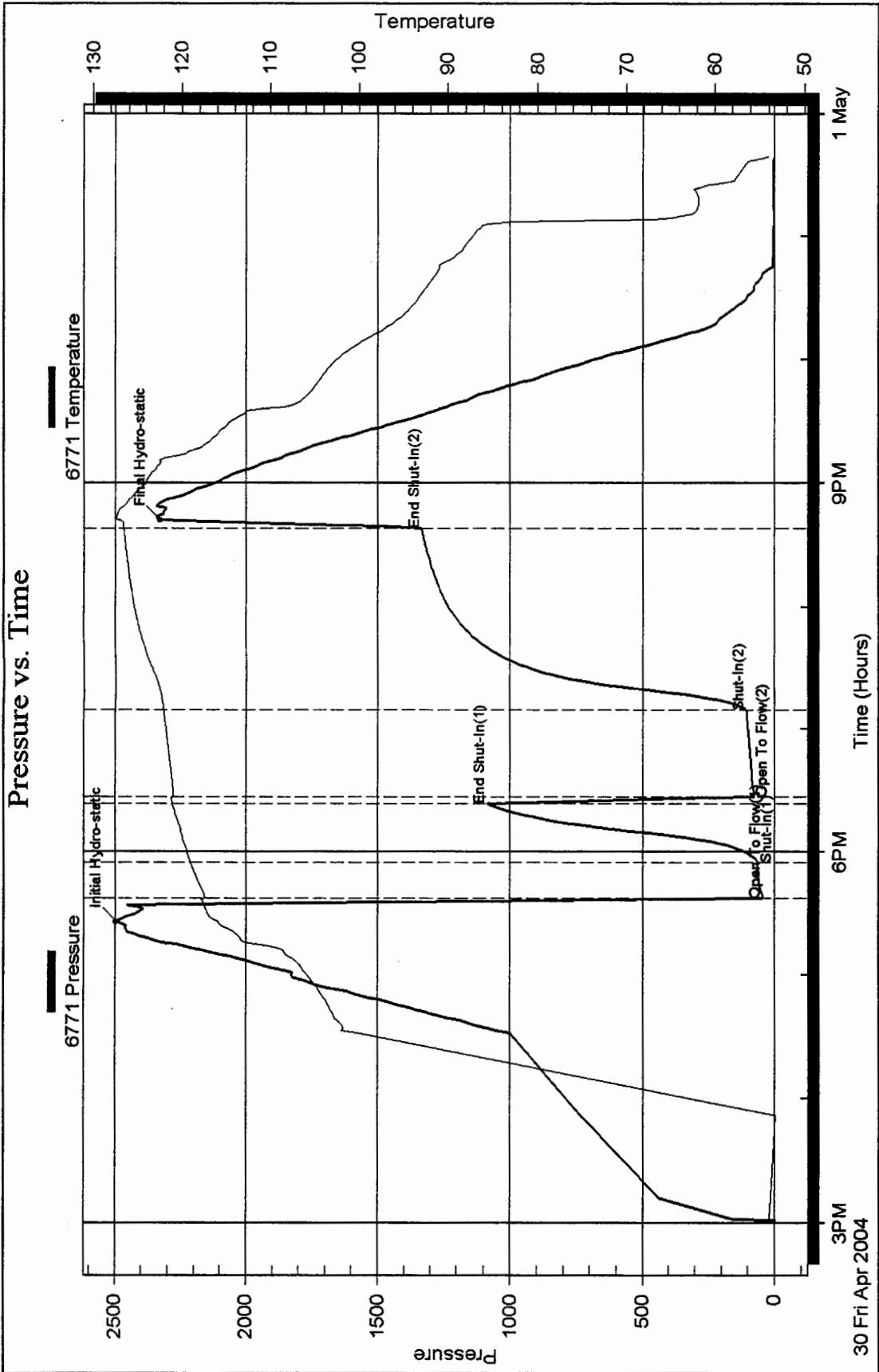
Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4973.00	
Shut In Tool	5.00			4978.00	
Hydraulic tool	5.00			4983.00	
Jars	5.00			4988.00	
Safety Joint	2.00			4990.00	
Packer	5.00			4995.00	27.00 Bottom Of Top Packer
Packer	4.00			4999.00	
Stubb	1.00			5000.00	
Perforations	13.00			5013.00	
Recorder	0.00	6771	Inside	5013.00	
Drill Pipe	63.00			5076.00	
Perforations	26.00			5102.00	
Recorder	0.00	13761	Inside	5102.00	
Bullnose	3.00			5105.00	106.00 Bottom Packers & Anchor

Total Tool Length: 133.00

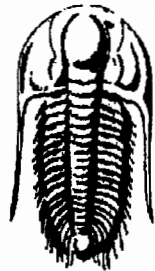
**RECEIVED
JUN 25 2004
KCC WICHITA**

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY												
Mud and Cushion Information Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 50.00 sec/qt Water Loss: 8.79 in ³ Resistivity: ohm.m Salinity: 2400.00 ppm Filter Cake: inches	Strata Exploration Inc. PO Box 401 Fairfield IL 62837 ATTN: Jon Christenson	1# Heskamp 23-29s-32w Job Ticket: 18925 Test Start: 2004.04.30 @ 14:59:38	DST#: 1 Oil API: deg API Water Salinity: ppm												
Recovery Information															
Recovery Table															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Length ft</th> <th style="width: 60%;">Description</th> <th style="width: 25%;">Volume bbl</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">124.00</td> <td>100% mud</td> <td style="text-align: center;">0.610</td> </tr> <tr> <td style="text-align: center;">62.00</td> <td>10% oil 30% water 60% mud</td> <td style="text-align: center;">0.305</td> </tr> <tr> <td style="text-align: center;">62.00</td> <td>15% gas 10% oil 20% water 55% mud</td> <td style="text-align: center;">0.305</td> </tr> </tbody> </table>				Length ft	Description	Volume bbl	124.00	100% mud	0.610	62.00	10% oil 30% water 60% mud	0.305	62.00	15% gas 10% oil 20% water 55% mud	0.305
Length ft	Description	Volume bbl													
124.00	100% mud	0.610													
62.00	10% oil 30% water 60% mud	0.305													
62.00	15% gas 10% oil 20% water 55% mud	0.305													
Total Length: 248.00 ft Total Volume: 1.220 bbl Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: Laboratory Name: Laboratory Location: Recovery Comments: 509' gas in pipe															
<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"> <p>RECEIVED</p> <p>JUN 25 2004</p> <p>KCC WICHITA</p> </div>															

Pressure vs. Time



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KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc.**

PO Box 401
Fairfield IL 62837

ATTN: Jon Christenson

23-29s-32w

1# Heskamp

Start Date: 2004.05.02 @ 03:06:35

End Date: 2004.05.02 @ 10:18:05

Job Ticket #: 18926 DST #: 2

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KCC WICHITA

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Strata Exploration Inc.

1# Heskamp

23-29s-32w

DST # 2

Morrow

2004.05.02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Strata Exploration Inc.
 PO Box 401
 Fairfield IL 62837
 ATTN: Jon Christenson

1# Heskamp
23-29s-32w
 Job Ticket: 18926 **DST#: 2**
 Test Start: 2004.05.02 @ 03:06:35

GENERAL INFORMATION:

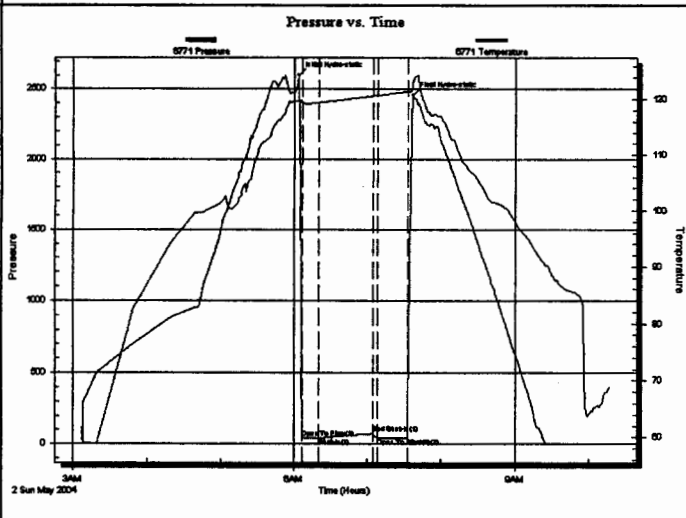
Formation: **Morrow**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 06:07:20
 Time Test Ended: 10:18:05
 Interval: **5200.00 ft (KB) To 5307.00 ft (KB) (TVD)**
 Total Depth: **5307.00 ft (KB) (TVD)**
 Hole Diameter: **7.78 inches** Hole Condition: **Good**

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Test Type: **Conventional Bottom Hole**
 Tester: **Kevin**
 Unit No: **27**
 Reference Elevations: **2903.00 ft (KB)**
2898.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 6771 **Inside**
 Press@RunDepth: **40.66 psig @ 5214.00 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2004.05.02** End Date: **2004.05.02** Last Calib.: **1899.12.30**
 Start Time: **03:06:40** End Time: **10:18:04** Time On Btm: **2004.05.02 @ 06:03:50**
 Time Off Btm: **2004.05.02 @ 07:37:05**

TEST COMMENT: F- weak surface blow built to 3/4"
 IS- no blow back
 FF- intermittent surface blow
 FSI- skipped last shut in and pulled tool



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2598.34	119.75	Initial Hydro-static
4	39.15	119.38	Open To Flow (1)
17	40.66	119.44	Shut-in(1)
61	73.01	120.64	End Shut-in(1)
65	39.25	120.73	Open To Flow (2)
89	41.50	121.45	Shut-in(2)
94	2456.41	122.86	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
31.00	100% mud	0.15

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Strata Exploration Inc.

1# Heskamp

PO Box 401
Fairfield IL 62837

23-29s-32w

Job Ticket: 18926

DST#: 2

ATTN: Jon Christenson

Test Start: 2004.05.02 @ 03:06:35

Tool Information

Drill Pipe:	Length: 4820.00 ft	Diameter: 3.80 inches	Volume: 67.61 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 357.00 ft	Diameter: 2.25 inches	Volume: 1.76 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 69.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5200.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	107.00 ft			
Tool Length:	134.00 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			5174.00	
Shut In Tool	5.00			5179.00	
Hydraulic tool	5.00			5184.00	
Jars	5.00			5189.00	
Safety Joint	2.00			5191.00	
Packer	5.00			5196.00	27.00 Bottom Of Top Packer
Packer	4.00			5200.00	
Stubb	1.00			5201.00	
Perforations	13.00			5214.00	
Recorder	0.00	6771	inside	5214.00	
Drill Pipe	62.00			5276.00	
Perforations	28.00			5304.00	
Bullnose	3.00			5307.00	
Recorder	0.00	13761	inside	5307.00	107.00 Bottom Packers & Anchor

Total Tool Length: 134.00

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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc.
PO Box 401
Fairfeild IL 62837
ATTN: Jon Christenson

1# Heskamp
23-29s-32w
Job Ticket: 18926 **DST#: 2**
Test Start: 2004.05.02 @ 03:06:35

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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3100.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	100% mud	0.152

Total Length: 31.00 ft Total Volume: 0.152 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

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JUN 25 2004
KCC WICHITA

Serial #: 6771

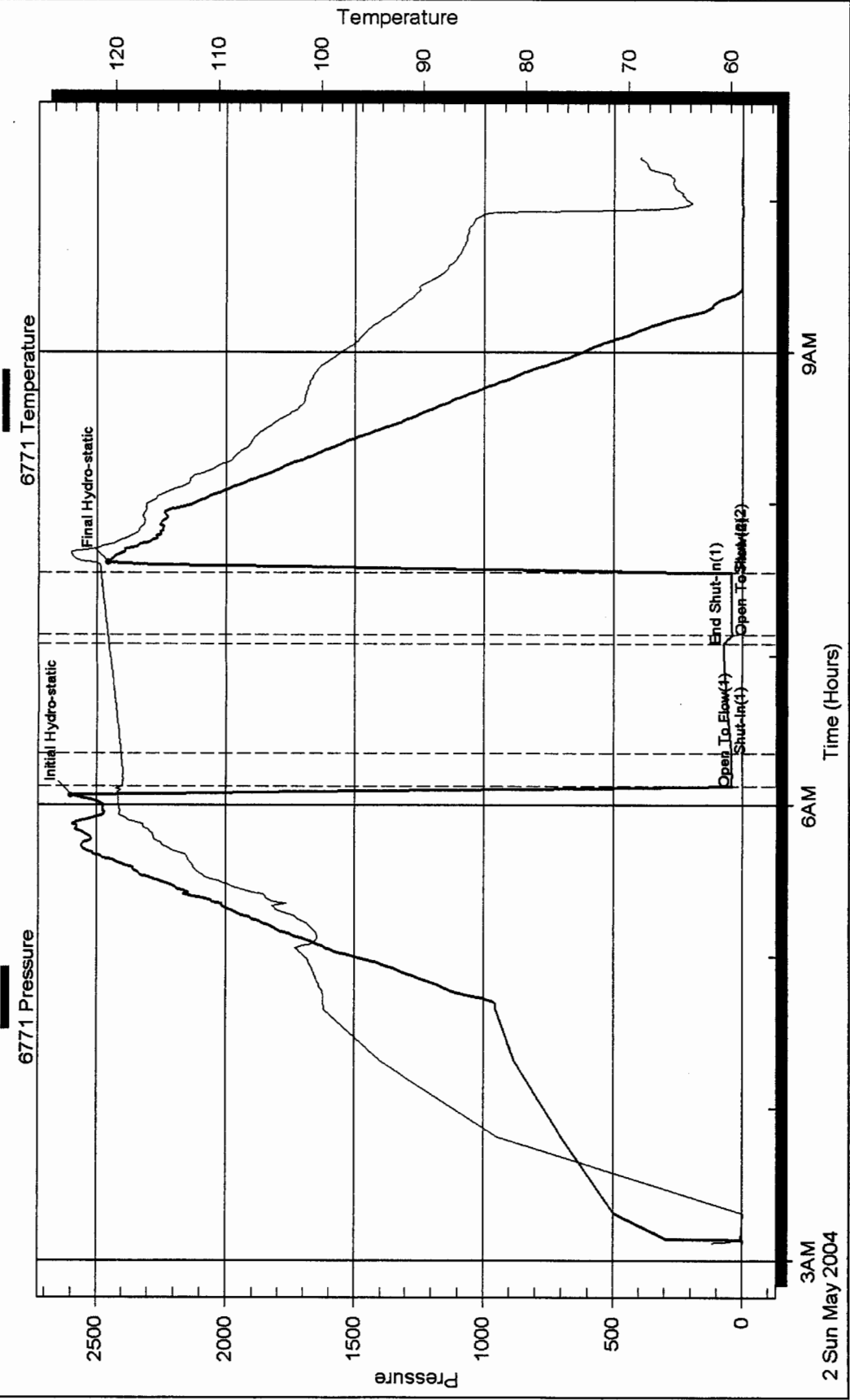
Inside

Strata Exploration Inc.

23-29s-32w

DST Test Number: 2

Pressure vs. Time



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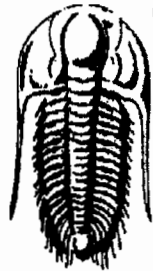
JUN 25 2004

KCC WICHITA

Trilobite Testing, Inc

Ref. No: 18926

Printed: 2004.05.05 @ 16:03:20 Page 5



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc.**

PO Box 401
Fairfield IL 62837

ATTN: Jon Christenson

23-29s-32w

1# Heskamp

Start Date: 2004.05.03 @ 17:12:19

End Date: 2004.05.04 @ 02:25:49

Job Ticket #: 18927 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Strata Exploration Inc.


1# Heskamp

23-29s-32w

DST # 3

St. Louise

2004.05.03



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Strata Exploration Inc. **1# Heskamp**

PO Box 401 **23-29s-32w**
Fairfield IL 62837 Job Ticket: 18927 **DST#: 3**

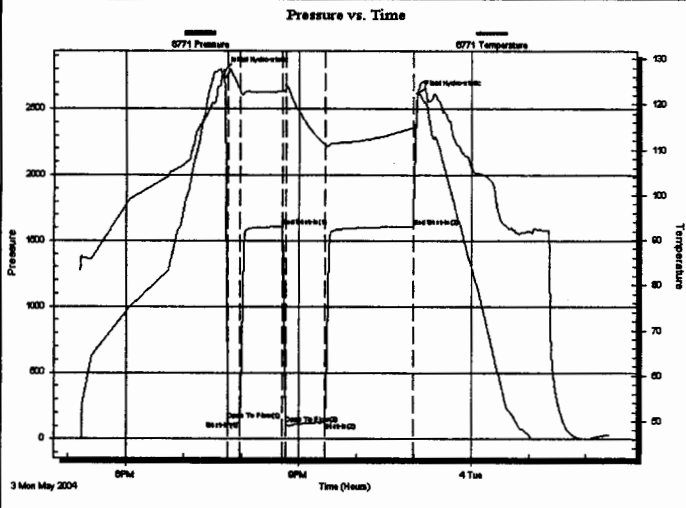
ATTN: Jon Christenson Test Start: 2004.05.03 @ 17:12:19

GENERAL INFORMATION:

Formation: St. Louise	RECEIVED JUN 25 2004 KCC WICHITA	Test Type: Conventional Bottom Hole
Deviated: No Whipstock: ft (KB)		Tester: Kevin
Time Tool Opened: 19:45:34		Unit No: 27
Time Test Ended: 02:25:49		Reference Elevations: 2903.00 ft (KB) 2898.00 ft (CF)
Interval: 5500.00 ft (KB) To 5544.00 ft (KB) (TVD)		KB to GR/CF: 5.00 ft
Total Depth: 5544.00 ft (KB) (TVD)		
Hole Diameter: 7.78 inches Hole Condition: Good		

Serial #: 6771	Inside				
Press@RunDepth: 124.53 psig @ 5507.00 ft (KB)	Capacity: 7000.00 psig				
Start Date: 2004.05.03	End Date: 2004.05.04	Last Calib.: 1899.12.30			
Start Time: 17:12:24	End Time: 02:25:49	Time On Btm: 2004.05.03 @ 19:42:04			
		Time Off Btm: 2004.05.03 @ 23:03:19			

TEST COMMENT: F- bob as soon as open GTS 7 min
 IS- no blow back
 FF- good blow gas built to 19.5 Lbs at 3/4"
 FS- no blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2783.14	126.13	Initial Hydro-static
4	142.72	125.52	Open To Flow (1)
16	132.27	123.23	Shut-in(1)
61	1606.31	122.89	End Shut-in(1)
65	115.09	122.57	Open To Flow (2)
106	124.53	111.20	Shut-in(2)
197	1610.36	114.88	End Shut-in(2)
202	2612.48	121.51	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
93.00	10 %gas 90% mud	0.46

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	18.50	513.89
Last Gas Rate	0.75	195.00	3270.80
Max. Gas Rate	0.75	195.00	3270.80



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Strata Exploration Inc.

1# Heskamp

PO Box 401
Fairfeild IL 62837

23-29s-32w

Job Ticket: 18927

DST#: 3

ATTN: Jon Christenson

Test Start: 2004.05.03 @ 17:12:19

Tool Information


Drill Pipe:	Length: 5062.00 ft	Diameter: 3.80 inches	Volume: 71.01 bbl	Tool Weight: 1800.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 416.00 ft	Diameter: 2.25 inches	Volume: 2.05 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 73.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 82000.00 lb
Depth to Top Packer:	5500.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	74.00 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			5471.00	
Shut In Tool	5.00			5476.00	
Sampler	3.00			5479.00	
HMV	5.00			5484.00	
Jars	5.00			5489.00	
Safety Joint	2.00			5491.00	
Packer	5.00			5496.00	30.00 Bottom Of Top Packer
Packer	4.00			5500.00	
Stubb	2.00			5502.00	
Perforations	5.00			5507.00	
Recorder	0.00	6771	inside	5507.00	
Perforations	34.00			5541.00	
Bullnose	3.00			5544.00	
Recorder	0.00	3307	inside	5544.00	44.00 Bottom Packers & Anchor

Total Tool Length: 74.00

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JUN 25 2004
KCC WICHITA**

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		FLUID SUMMARY						
	Strata Exploration Inc. PO Box 401 Fairfield IL 62837 ATTN: Jon Christenson	1# Heskamp 23-29s-32w Job Ticket: 18927 DST#: 3 Test Start: 2004.05.03 @ 17:12:19							
Mud and Cushion Information									
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 58.00 sec/qt Water Loss: 7.99 in ³ Resistivity: ohm.m Salinity: 3500.00 ppm Filter Cake: 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									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Length ft</th> <th style="width: 60%;">Description</th> <th style="width: 20%;">Volume bbl</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">93.00</td> <td>10 %gas 90% mud</td> <td style="text-align: center;">0.457</td> </tr> </tbody> </table>				Length ft	Description	Volume bbl	93.00	10 %gas 90% mud	0.457
Length ft	Description	Volume bbl							
93.00	10 %gas 90% mud	0.457							
Total Length: 93.00 ft	Total Volume: 0.457 bbl								
Num Fluid Samples: 1	Num Gas Bombs: 1	Serial #: 632							
Laboratory Name: Caraway	Laboratory Location: Liberal, KS								
Recovery Comments:									
<p>RECEIVED JUN 25 2004 KCC WICHITA</p>									



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Strata Exploration Inc.

1# Heskamp

PO Box 401
Fairfield IL 62837

23-29s-32w

Job Ticket: 18927

DST#: 3

ATTN: Jon Christenson

Test Start: 2004.05.03 @ 17:12:19

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.75	18.50	513.89
2	20	0.75	18.50	513.89
2	30	0.75	19.00	521.70
2	40	0.75	19.50	529.51
2	45	0.75	195.00	3270.80

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JUN 25 2004
KCC WICHITA

128501

DST Test Number: 3

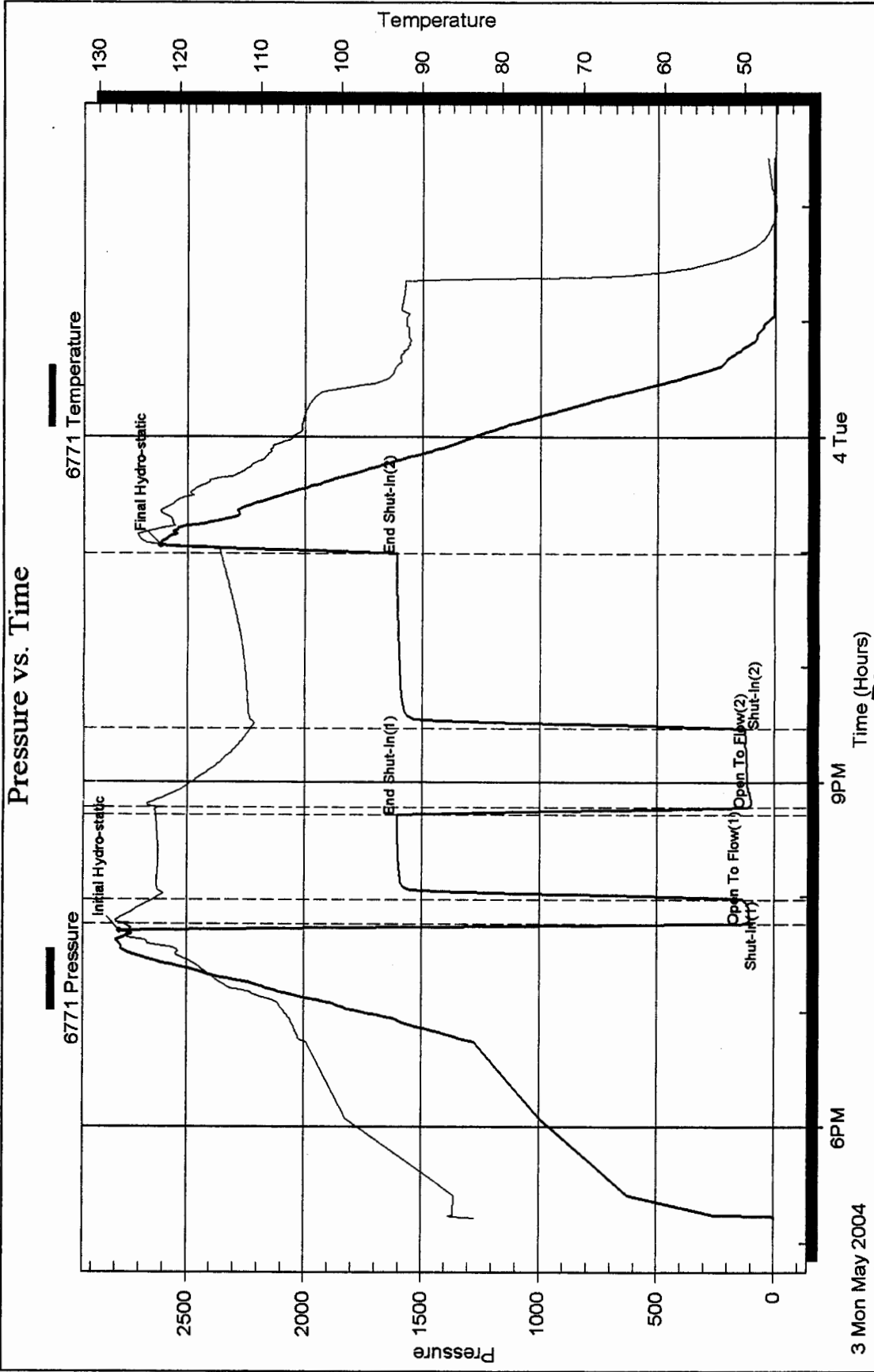
23-29s-32w

Strata Exploration Inc.

Inside

Serial #: 6771

Pressure vs. Time



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KCC WICHITA