

15-081-21501-0000

28-29-32W



**TRILOBITE
TESTING, INC.**

RECEIVED
MAR 11 2004
KCC WICHITA

DRILL STEM TEST REPORT

ORIGINAL

Prepared by Strata Exploration Inc

P O Box 401
Fairfield, IL 62837

CONFIDENTIAL

KCC

ATTN: John Kinney

C SE SE MAR 09 2004

28-29-32-Haskell-Ks

CONFIDENTIAL

Brown Trust #1

Start Date: 2004.02.07 @ 22:20:31

End Date: 2004.02.08 @ 07:18:31

Job Ticket #: 18242 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Strata Exploration Inc

Brown Trust #1

28-29-32-Haskell-Ks

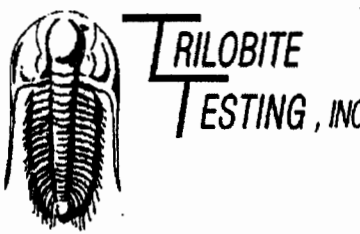
DST # 1

"A"

KC

2004.02.07

28-29-32W
SE SE

	DRILL STEM TEST REPORT	
	Strata Exploration Inc	Brown Trust #1
	P O Box 401 Fairfield IL 62837	28-29-32-Haskell-Ks
ATTN: John Kinney	Job Ticket: 18242	DST#: 1
	Test Start: 2004.02.07 @ 22:20:31	

GENERAL INFORMATION:

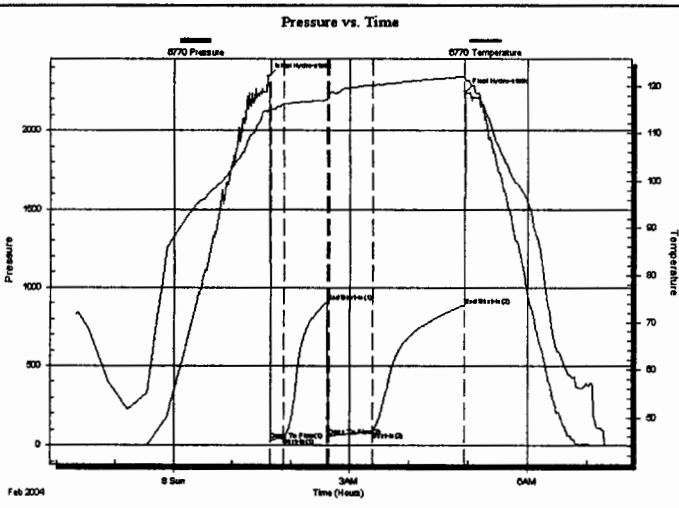
Formation: "A" KC
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:39:01
 Time Test Ended: 07:18:31
 Interval: 4670.00 ft (KB) To 4706.00 ft (KB) (TVD)
 Total Depth: 4706.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole
 Tester: Dan Bangle
 Unit No: 21
 Reference Elevations: 2911.00 ft (KB)
 2906.00 ft (CF)
 KB to GR/CF: 5.00 ft

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Serial #: 6770 Inside
 Press@RunDepth: 85.94 psig @ 4671.00 ft (KB) Capacity: 7000.00 psig
 Start Date: 2004.02.07 End Date: 2004.02.08
 Start Time: 22:20:32 End Time: 07:18:31
 Time On Btm: 2004.02.08 @ 01:36:01
 Time Off Btm: 2004.02.08 @ 04:57:01

ORIGINAL
2004.02.10

TEST COMMENT: F-Weak building to 10 fair blow
 FF-Weak building to 5" fair blow
 Times-15-45-45-90



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2342.66	114.46	Initial Hydro-static
3	30.46	115.02	Open To Flow (1)
17	48.61	116.27	Shut-In(1)
61	909.43	117.09	End Shut-In(1)
63	57.21	118.44	Open To Flow (2)
107	85.94	120.24	Shut-In(2)
200	883.71	121.98	End Shut-In(2)
201	2245.38	121.30	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
186.00	Gsy Mud w/ oil spots	0.91
0.00	186 GIP	0.00

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Strata Exploration Inc

Brown Trust #1

P O Box 401
Fairfield IL 62837

28-29-32-Haskell-Ks

Job Ticket: 18242

DST#: 1

ATTN: John Kinney

Test Start: 2004.02.07 @ 22:20:31

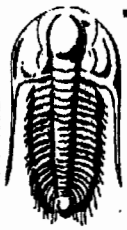
Tool Information

Drill Pipe:	Length: 4247.00 ft	Diameter: 3.80 inches	Volume: 59.57 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: 30000.00 lb
Drill Collar:	Length: 415.00 ft	Diameter: 2.25 inches	Volume: 2.04 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 61.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4670.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	60.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4647.00	
Shut In Tool	5.00			4652.00	
Hydraulic tool	5.00			4657.00	
Safety Joint	3.00			4660.00	
Packer	5.00			4665.00	24.00 Bottom Of Top Packer
Packer	5.00			4670.00	
Stubb	1.00			4671.00	
Recorder	0.00	6770	Inside	4671.00	
Perforations	32.00			4703.00	
Recorder	0.00	13254	Outside	4703.00	
Bullnose	3.00			4706.00	36.00 Bottom Packers & Anchor

Total Tool Length: 60.00



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc
P O Box 401
Fairfield IL 62837
ATTN: John Kinney

Brown Trust #1
28-29-32-Haskell-Ks
Job Ticket: 18242 DST#: 1
Test Start: 2004.02.07 @ 22:20:31

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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	Gsy Mud w/ oil spots	0.915
0.00	186 GP	0.000

Total Length: 186.00 ft Total Volume: 0.915 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

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Serial #: 6770

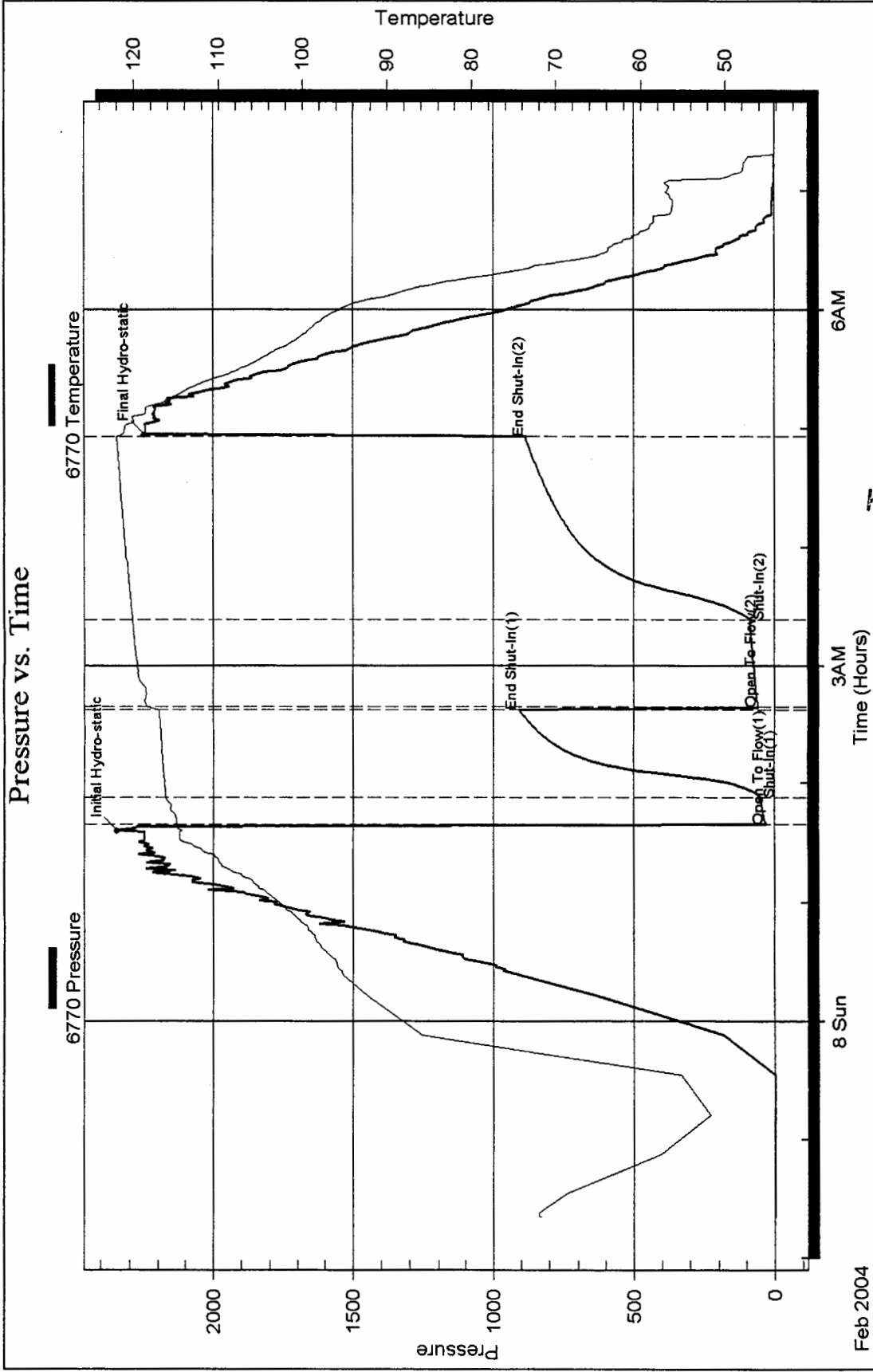
Inside

Strata Exploration Inc

28-29-32-Haskell-Ks

DST Test Number: 1

Pressure vs. Time



Feb 2004

8 Sun

3 AM

6 AM

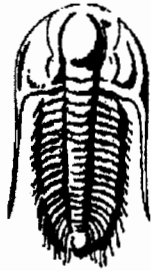
Time (Hours)

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Triobite Testing, Inc

Ref. No: 18242

Printed: 2004.02.17 @ 13:42:52 Page 5



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DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc**

P O Box 401
Fairfield IL 62837

ATTN: John Kinney

28-29-32-Haskell-Ks

Brown Trust #1

Start Date: 2004.02.10 @ 00:45:54

End Date: 2004.02.10 @ 08:23:09

Job Ticket #: 18085 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Strata Exploration Inc
 P O Box 401
 Fairfield IL 62837
 ATTN: John Kinney

Brown Trust #1
28-29-32-Haskell-Ks
 Job Ticket: 18085 **DST#: 2**
 Test Start: 2004.02.10 @ 00:45:54

GENERAL INFORMATION:

Formation: **Atoka**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 03:28:53
 Time Test Ended: 08:23:09
 Interval: **5074.00 ft (KB) To 5121.00 ft (KB) (TVD)**
 Total Depth: **5121.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**

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Test Type: **Conventional Bottom Hole**
 Tester: **Shane McBride**
 Unit No: **25**
 Reference Elevations: **2911.00 ft (KB)**
 2906.00 ft (CF)
 KB to GR/CF: **5.00 ft**

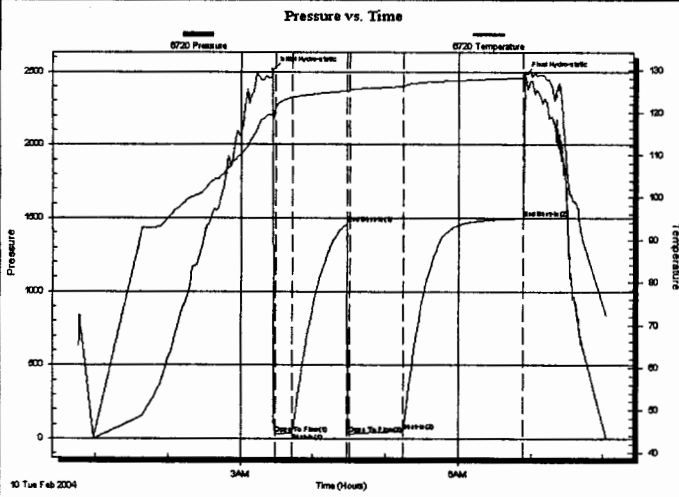
Serial #: 6720

Inside

Press@RunDepth: **49.67 psig @ 5075.00 ft (KB)**
 Start Date: **2004.02.10** End Date: **2004.02.10**
 Start Time: **00:45:54** End Time: **08:23:09**

Capacity: **7000.00 psig**
 Last Calib.: **1899.12.30**
 Time On Btm: **2004.02.10 @ 03:26:23**
 Time Off Btm: **2004.02.10 @ 06:54:53**

TEST COMMENT: B.O.B. in 1 1/2min.
 No return
 B.O.B. @ open , G.T.S. in 40 min.
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2511.66	119.43	Initial Hydro-static
3	29.87	121.08	Open To Flow (1)
16	38.57	123.58	Shut-In(1)
62	1458.20	125.14	End Shut-In(1)
64	31.58	125.42	Open To Flow (2)
108	49.67	126.19	Shut-In(2)
207	1498.80	128.30	End Shut-In(2)
209	2480.15	129.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	mud oil spots in tool 100%m	0.39

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	7.00	8.01
Last Gas Rate	0.13	7.00	7.50



**TRILOBITE
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Strata Exploration Inc

Brown Trust #1

P O Box 401
Fairfield IL 62837

28-29-32-Haskell-Ks

Job Ticket: 18085

DST#: 2

ATTN: John Kinney

Test Start: 2004.02.10 @ 00:45:54

Tool Information

Drill Pipe:	Length: 4650.00 ft	Diameter: 3.80 inches	Volume: 65.23 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: 30000.00 lb
Drill Collar:	Length: 412.00 ft	Diameter: 2.25 inches	Volume: 2.03 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 67.26 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	5074.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5048.00	
Shut In Tool	5.00			5053.00	
Hydraulic tool	5.00			5058.00	
Jars	5.00			5063.00	
Safety Joint	2.00			5065.00	
Packer	5.00			5070.00	27.00 Bottom Of Top Packer
Packer	4.00			5074.00	
Stubb	1.00			5075.00	
Recorder	0.00	6720	Inside	5075.00	
Perforations	8.00			5083.00	
Change Over Sub	1.00			5084.00	
Drill Pipe	31.00			5115.00	
Change Over Sub	1.00			5116.00	
Recorder	0.00	11058	Outside	5116.00	
Bullnose	5.00			5121.00	47.00 Bottom Packers & Anchor
Total Tool Length:	74.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc	Brown Trust #1
P O Box 401 Fairfield IL 62837	28-29-32-Haskell-Ks
ATTN: John Kinney	Job Ticket: 18085 DST#:2
	Test Start: 2004.02.10 @ 00:45:54

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:	3000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.78 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	mud oil spots in tool 100%m	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

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Serial #: 6720

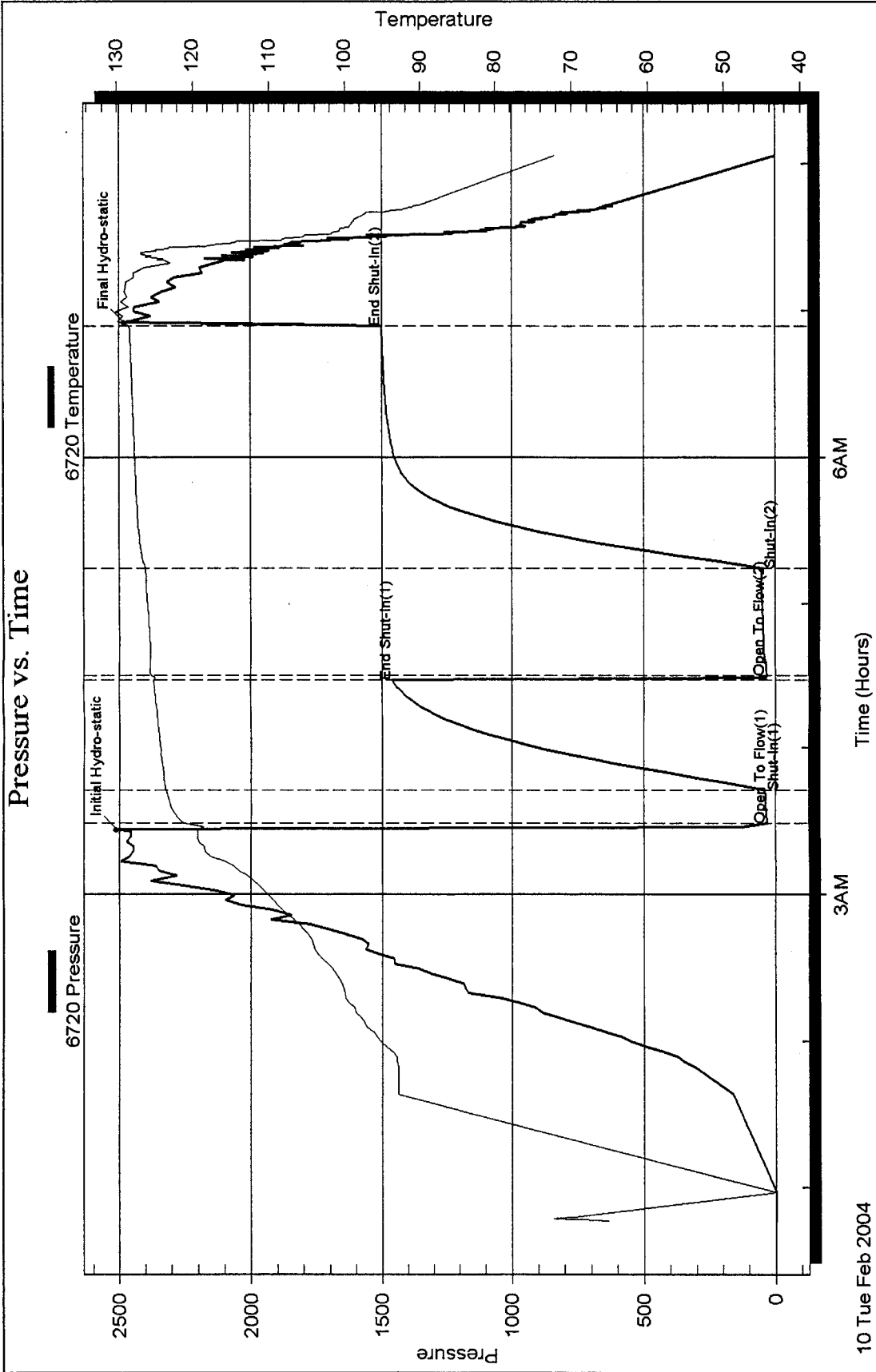
Inside

Strata Exploration Inc

28-29-32-Haskell-Ks

DST Test Number: 2

Pressure vs. Time



10 Tue Feb 2004

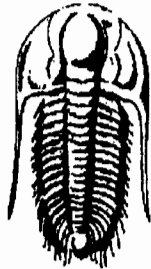
6AM

3AM

Trilobite Testing, Inc

Ref. No: 18085

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc**

P O Box 401
Fairfield IL 62837

RECEIVED
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KCC WICHITA

ATTN: John Kinney

28-29-32-Haskell-Ks

Brown Trust #1

Start Date: 2004.02.12 @ 10:13:16

End Date: 2004.02.12 @ 18:35:15

Job Ticket #: 18086 DST #: 3

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Strata Exploration Inc

Brown Trust #1

P O Box 401
Fairfield IL 62837

28-29-32-Haskell-Ks

Job Ticket: 18086

DST#: 3

ATTN: John Kinney

Test Start: 2004.02.12 @ 10:13:16

Tool Information

Drill Pipe:	Length: 5053.00 ft	Diameter: 3.80 inches	Volume: 70.88 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:	30000.00 lb
Drill Collar:	Length: 412.00 ft	Diameter: 2.25 inches	Volume: 2.03 bbl	Weight to Pull Loose:	95000.00 lb
			<u>Total Volume: 72.91 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	77000.00 lb
Depth to Top Packer:	5474.00 ft			Final	77000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	37.00 ft				
Tool Length:	64.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

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Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5448.00	
Shut In Tool	5.00			5453.00	
Hydraulic tool	5.00			5458.00	
Jars	5.00			5463.00	
Safety Joint	2.00			5465.00	
Packer	5.00			5470.00	27.00 Bottom Of Top Packer
Packer	4.00			5474.00	
Stubb	1.00			5475.00	
Recorder	0.00	6720	Inside	5475.00	
Perforations	31.00			5506.00	
Recorder	0.00	11058	Outside	5506.00	
Bullnose	5.00			5511.00	37.00 Bottom Packers & Anchor

Total Tool Length: 64.00



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc
P O Box 401
Fairfield IL 62837
ATTN: John Kinney

Brown Trust #1
28-29-32-Haskell-Ks
Job Ticket: 18086 **DST#: 3**
Test Start: 2004.02.12 @ 10:13:16

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:	1800 ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud 100% _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:

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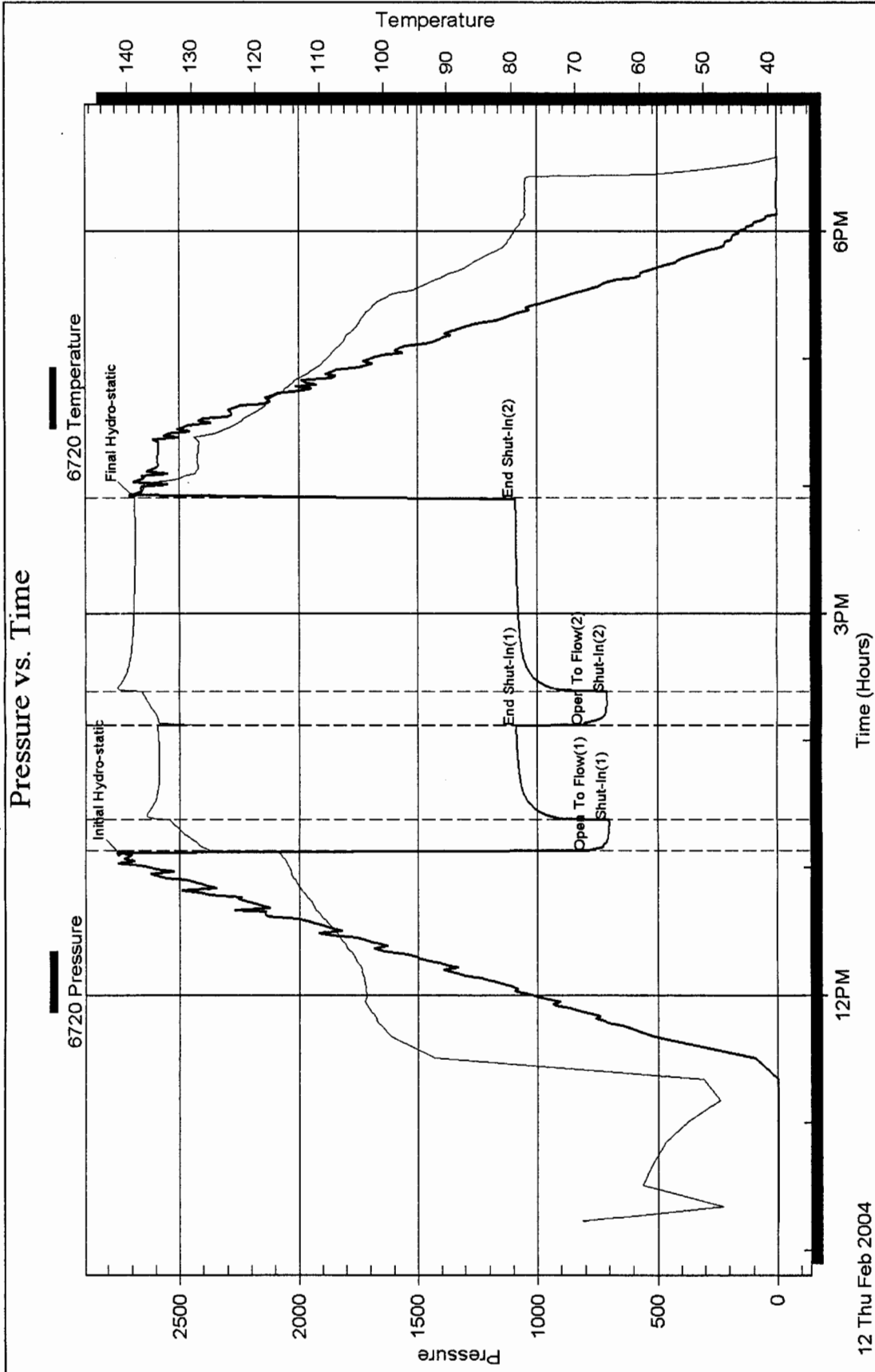
Serial #: 6720

Inside

Strata Exploration Inc

28-29-32-Haskell-Ks

DST Test Number: 3



12 Thu Feb 2004

12PM

3PM

6PM

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KCC WICHITA

Trilobite Testing, Inc

Ref. No: 18086

Printed: 2004.02.17 @ 13:43:51 Page 5