

DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc.**

P.O. Box 401
Fairfield, IL 62837-0401

CONFIDENTIAL

DEC 19 2008

ATTN: Jon Christensen

10 30 32 Haskell KS

Stapleton #2-10

Start Date: 2008.12.02 @ 07:45:00

End Date: 2008.12.02 @ 17:42:45

Job Ticket #: 34145 DST #: 1

Trilobite Testing, Inc

PO Box 1733 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 62837-0401

ATTN: Jon Christensen

Stapleton #2-10

10 30 32 Haskell KS

Job Ticket: 34145

DST#: 1

Test Start: 2008.12.02 @ 07:45:00

GENERAL INFORMATION:

Formation: **Pawnee/Ft.Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:32:45

Time Test Ended: 17:42:45

Interval: **4929.00 ft (KB) To 4986.00 ft (KB) (TVD)**

Total Depth: 4986.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Reference Elevations: 2900.00 ft (KB)

2888.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6751

Inside

Press@RunDepth: 158.13 psig @ 4931.00 ft (KB)

Start Date: 2008.12.02

End Date:

2008.12.02

Start Time: 07:45:01

End Time:

17:42:45

Capacity: 7000.00 psig

Last Calib.: 2008.12.02

Time On Btm: 2008.12.02 @ 11:30:30

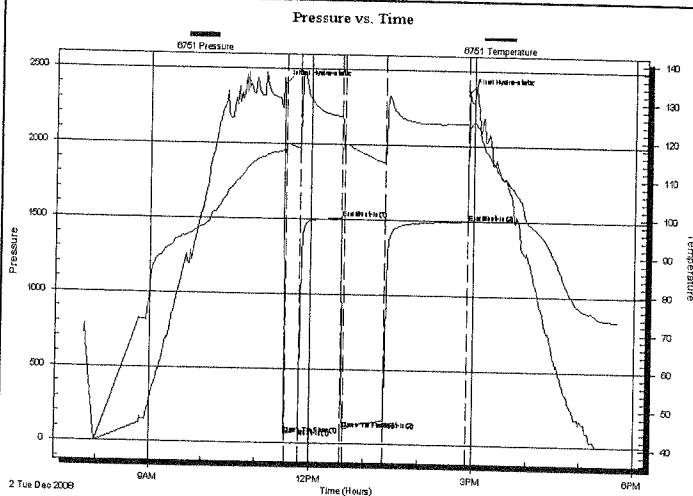
Time Off Btm: 2008.12.02 @ 14:55:00

TEST COMMENT: IF- Strong blow BOB, ASAO, GTS, 7min.

IS- No blow back.

FF- Strong blow BOB, GTS, ASAO.

FS- Weak blow back.



PRESSURE SUMMARY

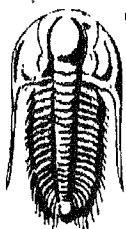
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2402.31	117.11	Initial Hydro-static
3	58.54	118.29	Open To Flow (1)
18	99.10	117.69	Shut-In (1)
64	1506.31	125.92	End Shut-In (1)
66	100.84	118.39	Open To Flow (2)
112	158.13	114.01	Shut-In (2)
204	1497.23	124.50	End Shut-In (2)
205	2362.92	124.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	15% gas 85% mud with trace water	0.59
220.00	15% gas 30% water 55% mud	1.39

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	14.00	191.58
Last Gas Rate	0.50	52.00	447.91
Max. Gas Rate	0.50	52.00	447.91



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Strata Exploration Inc.

P.O. Box 401
Fairfield, IL 62837-0401

ATTN: Jon Christensen

Stapleton #2-10

10 30 32 Haskell KS

Job Ticket: 34145

DST#: 1

Test Start: 2008.12.02 @ 07:45:00

Tool Information

Drill Pipe:	Length: 4631.00 ft	Diameter: 3.80 inches	Volume: 64.96 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: 306.00 ft	Diameter: 2.25 inches	Volume: 1.50 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	66.46 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	80000.00 lb
Depth to Top Packer:	4929.00 ft			Final	80000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	57.00 ft				
Tool Length:	80.00 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			4911.00	
Hydraulic tool	5.00			4916.00	
Safety Joint	3.00			4919.00	
Packer	5.00			4924.00	23.00 Bottom Of Top Packer
Packer	5.00			4929.00	
Stubb	1.00			4930.00	
Perforations	1.00			4931.00	
Recorder	0.00	6751	Inside	4931.00	
Recorder	0.00	8355	Inside	4931.00	
Change Over Sub	1.00			4932.00	
Drill Pipe	31.00			4963.00	
Change Over Sub	1.00			4964.00	
Perforations	18.00			4982.00	
Bullnose	4.00			4986.00	57.00 Bottom Packers & Anchor

Total Tool Length: 80.00



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FLUID SUMMARY

Strata Exploration Inc.

Stapleton #2-10

P.O. Box 401
Fairfield, IL 62837-0401

10 30 32 Haskell KS

Job Ticket: 34145

DST#: 1

ATTN: Jon Christensen

Test Start: 2008.12.02 @ 07:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 7.96 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

deg API

Water Salinity: 17000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	15% gas 85% mud with trace water	0.590
220.00	15% gas 30% water 55% mud	1.392

Total Length: 340.00 ft

Total Volume: 1.982 bbl

Num Fluid Samples: 1

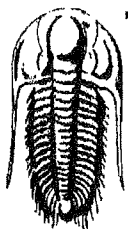
Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments: RW .450 @ 52F



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DRILL STEM TEST REPORT

GAS RATES

Strata Exploration Inc.

Stapleton #2-10

P.O. Box 401
Fairfield, IL 62837-0401

10 30 32 Haskell KS

Job Ticket: 34145

DST#: 1

ATTN: Jon Christensen

Test Start: 2008.12.02 @ 07:45:00

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)
1	15	0.50	14.00	191.58
1	15	0.50	14.00	191.58
1	15	0.50	14.00	191.58
2	10	0.50	40.00	366.97
2	20	0.50	46.00	407.44
2	30	0.50	52.00	447.91

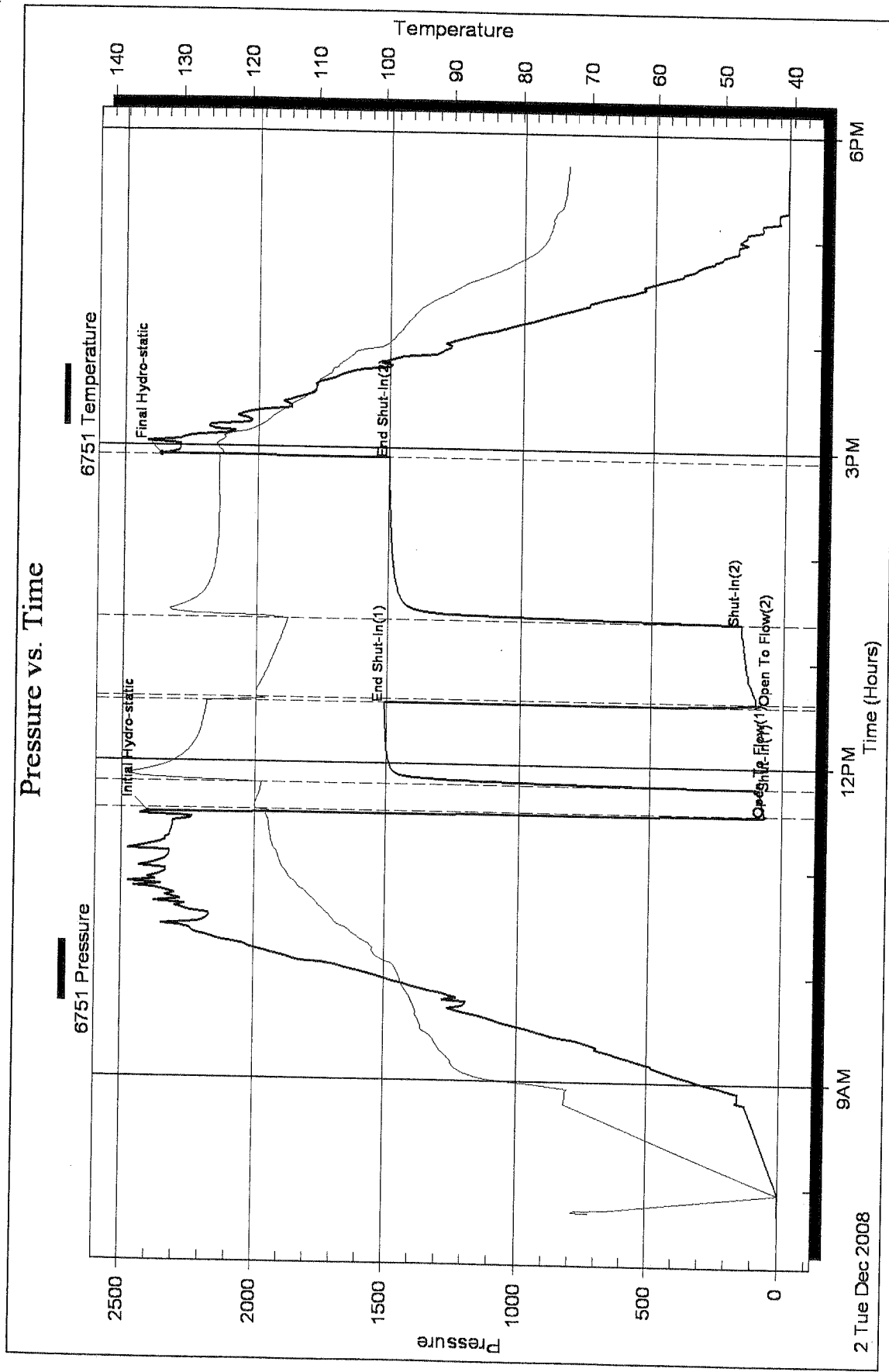
Serial #: 6751

Inside

Strata Exploration Inc.

10 30 32 Haskell KS

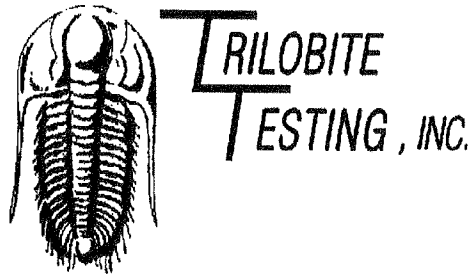
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 34145

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DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc.**

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ATTN: Jon Christensen

10 30 32 Haskell KS

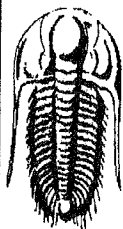
Stapleton #2-10

Start Date: 2008.12.04 @ 14:15:00

End Date: 2008.12.05 @ 00:23:30

Job Ticket #: 34146 DST #: 2

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



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DRILL STEM TEST REPORT

Strata Exploration Inc.

P.O. Box 401
Fairfield, IL 62837-0401

ATTN: Jon Christensen

Stapleton #2-10

10 30 32 Haskell KS

Job Ticket: 34146

DST#: 2

Test Start: 2008.12.04 @ 14:15:00

GENERAL INFORMATION:

Formation: **Morrow Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:23:30

Time Test Ended: 00:23:30

Interval: **5244.00 ft (KB) To 5345.00 ft (KB) (TVD)**

Total Depth: 5345.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Reference Elevations: 2900.00 ft (KB)

2888.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 6751

Inside

Press@RunDepth: 89.91 psig @ 5245.00 ft (KB)

Start Date: 2008.12.04

End Date:

2008.12.05

Start Time: 14:15:01

End Time:

00:23:30

Capacity: 7000.00 psig

Last Calib.: 2008.12.05

Time On Btm: 2008.12.04 @ 17:20:45

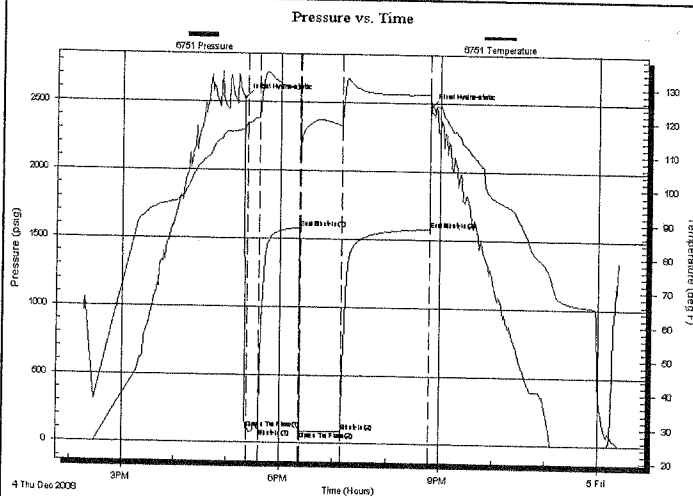
Time Off Btm: 2008.12.04 @ 20:49:00

TEST COMMENT: IF- Strong blow BOB, ASAO, GTS, 4min.

IS- No blow back.

FF- Strong blow BOB, GTS, ASAO.

FS- No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2529.62	117.15	Initial Hydro-static
3	101.27	118.85	Open To Flow (1)
16	103.03	120.69	Shut-In (1)
62	1580.78	128.92	End Shut-In (1)
63	88.77	111.91	Open To Flow (2)
109	89.91	118.41	Shut-In (2)
207	1578.49	127.85	End Shut-In (2)
209	2471.82	124.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
200.00	100% mud	1.14

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	20.00	232.05
Last Gas Rate	0.50	34.00	326.49
Max. Gas Rate	0.50	34.00	326.49



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TOOL DIAGRAM

Strata Exploration Inc.

Stapleton #2-10

P.O. Box 401
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10 30 32 Haskell KS

Job Ticket: 34146

DST#: 2

ATTN: Jon Christensen

Test Start: 2008.12.04 @ 14:15:00

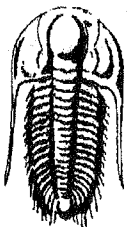
Tool Information

Drill Pipe:	Length: 5038.00 ft	Diameter: 3.80 inches	Volume: 70.67 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: 183.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	71.57 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5244.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	101.00 ft			
Tool Length:	129.00 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			5221.00	
Hydraulic tool	5.00			5226.00	
Jars	5.00			5231.00	
Safety Joint	3.00			5234.00	
Packer	5.00			5239.00	28.00 Bottom Of Top Packer
Packer	5.00			5244.00	
Stubb	1.00			5245.00	
Recorder	0.00	6751	Inside	5245.00	
Recorder	0.00	8355	Inside	5245.00	
Change Over Sub	1.00			5246.00	
Drill Pipe	62.00			5308.00	
Change Over Sub	1.00			5309.00	
Perforations	32.00			5341.00	
Bullnose	4.00			5345.00	101.00 Bottom Packers & Anchor

Total Tool Length: 129.00



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10 30 32 Haskell KS

Job Ticket: 34146

DST#: 2

ATTN: Jon Christensen

Test Start: 2008.12.04 @ 14:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 7.98 in³

Resistivity: ohm.m

Salinity: 4000.00 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
200.00	100% mud	1.138

Total Length: 200.00 ft

Total Volume: 1.138 bbl

Num Fluid Samples: 1

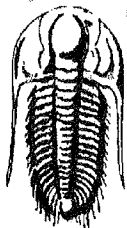
Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



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GAS RATES

Strata Exploration Inc.

Stapleton #2-10

P.O. Box 401
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10 30 32 Haskell KS

Job Ticket: 34146

DST#: 2

ATTN: Jon Christensen

Test Start: 2008.12.04 @ 14:15:00

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 (m³/d)
1	15	0.50	20.00	232.05
1	15	0.50	20.00	232.05
1	15	0.50	20.00	232.05
2	10	0.50	32.00	313.00
2	20	0.50	33.00	319.75
2	30	0.50	34.00	326.49

DST Test Number: 2

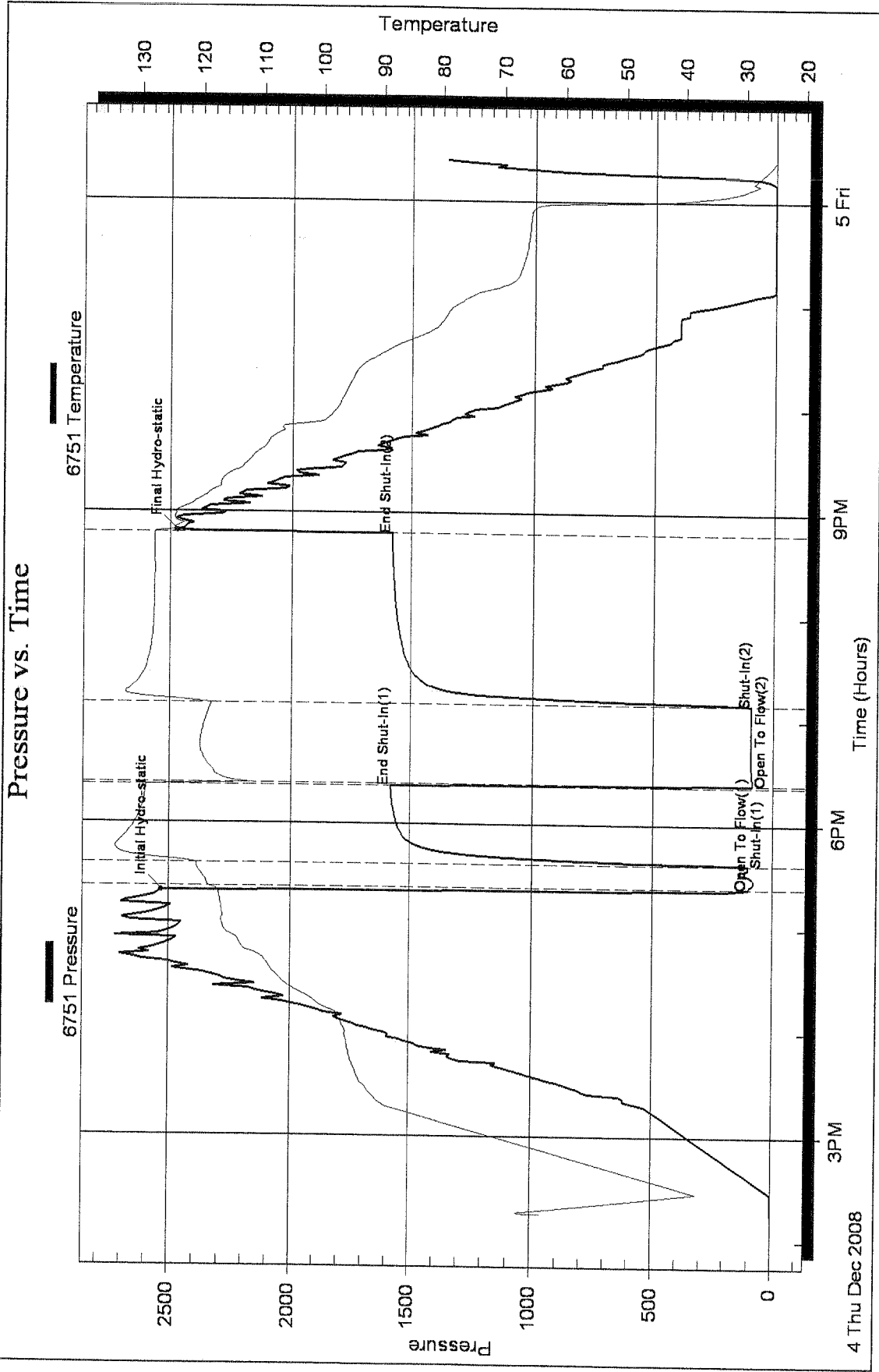
10 30 32 Haskell KS

Serial #: 6751

Inside

Strata Exploration Inc.

Pressure vs. Time



Ref. No: 34146

Trilobite Testing, Inc