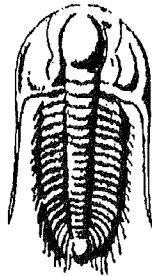


Good

4-28s-18w



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc.**

CONFIDENTIAL
PO Box 401
Fairfield, IL 62837-0401

JUN 02 2009

ATTN: Jon Christensen

4 28s 18w Kiowa KS

EINSEL #1-4

Start Date: 2009.04.15 @ 22:50:00

End Date: 2009.04.16 @ 07:53:19

Job Ticket #: 35079 DST #: 1

15 097 - 21653

Strata Exploration Inc.

EINSEL #1-4

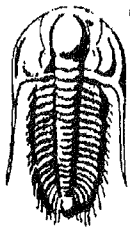
4 28s 18w Kiowa KS

DST # 1

Lansing "A"

2009.04.15

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.

EINSEL #1-4

PO Box 401
Fairfield, IL 62837-0401

4 28s 18w Kiowa KS

Job Ticket: 35079 **DST#: 1**

ATTN: Jon Christensen

Test Start: 2009.04.15 @ 22:50:00

GENERAL INFORMATION:

Formation: **Lansing "A"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:11:00

Time Test Ended: 07:53:19

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **4200.00 ft (KB) To 4223.00 ft (KB) (TVD)**

Reference Elevations: 2207.00 ft (KB)

Total Depth: 4223.00 ft (KB) (TVD)

2194.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8352 Inside

Press@RunDepth: 103.75 psig @ 4201.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.04.15 End Date: 2009.04.16

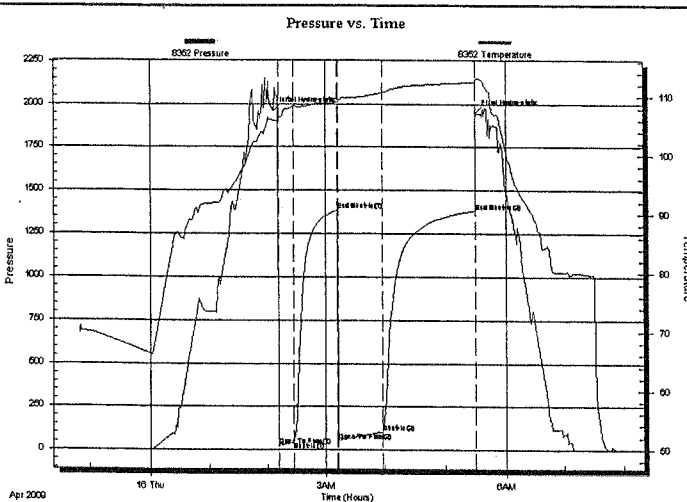
Last Calib.: 2009.04.16

Start Time: 22:50:02 End Time: 07:53:19

Time On Btm: 2009.04.16 @ 02:06:40

Time Off Btm: 2009.04.16 @ 05:29:50

TEST COMMENT: IF: Fair blow, built to 6" in bucket.
 IS: Bled off, no blow back.
 FF: Fairly weak blow, built to 7" in bucket.
 FS: Bled off, no blow back.



PRESSURE SUMMARY

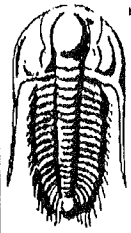
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1959.47	105.99	Initial Hydro-static
5	26.67	105.56	Open To Flow (1)
20	44.73	108.49	Shut-in(1)
65	1385.01	109.04	End Shut-in(1)
67	52.92	109.23	Open To Flow (2)
111	103.75	110.76	Shut-in(2)
203	1381.98	112.54	End Shut-in(2)
204	1949.50	112.83	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SGCSOCWCM 5%g 5%o 20%w 70%m	0.30
120.00	MCW 15%m 85%w	0.59
0.00	RW=.23ohm@51degF=44000ppmCHL	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Strata Exploration Inc.
PO Box 401
Fairfield, IL 62837-0401
ATTN: Jon Christensen

EINSEL #1-4
4 28s 18w Kiowa KS
Job Ticket: 35079 **DST#: 1**
Test Start: 2009.04.15 @ 22:50:00

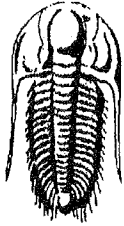
Tool Information

Drill Pipe:	Length: 3960.00 ft	Diameter: 3.80 inches	Volume: 55.55 bbl	Tool Weight: 2300.00 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: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 90000.00 lb
		Total Volume:	56.78 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 83000.00 lb
Depth to Top Packer:	4200.00 ft			Final 83000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4182.00	
Hydraulic tool	5.00			4187.00	
Safety Joint	3.00			4190.00	
Packer	5.00			4195.00	23.00 Bottom Of Top Packer
Packer	5.00			4200.00	
Stubb	1.00			4201.00	
Recorder	0.00	8352	inside	4201.00	
Recorder	0.00	6799	inside	4201.00	
Perforations	19.00			4220.00	
Bullnose	3.00			4223.00	23.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc.

EINSEL #1-4

PO Box 401
Fairfield, IL 62837-0401

4 28s 18w Kiowa KS

Job Ticket: 35079

DST#: 1

ATTN: Jon Christensen

Test Start: 2009.04.15 @ 22:50:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	SGCSOCWCM 5%g 5%o 20%w 70%m	0.295
120.00	MCW 15%m 85%w	0.590
0.00	RW=.23ohm@51degF=44000ppmCHL	0.000

Total Length: 180.00 ft

Total Volume: 0.885 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

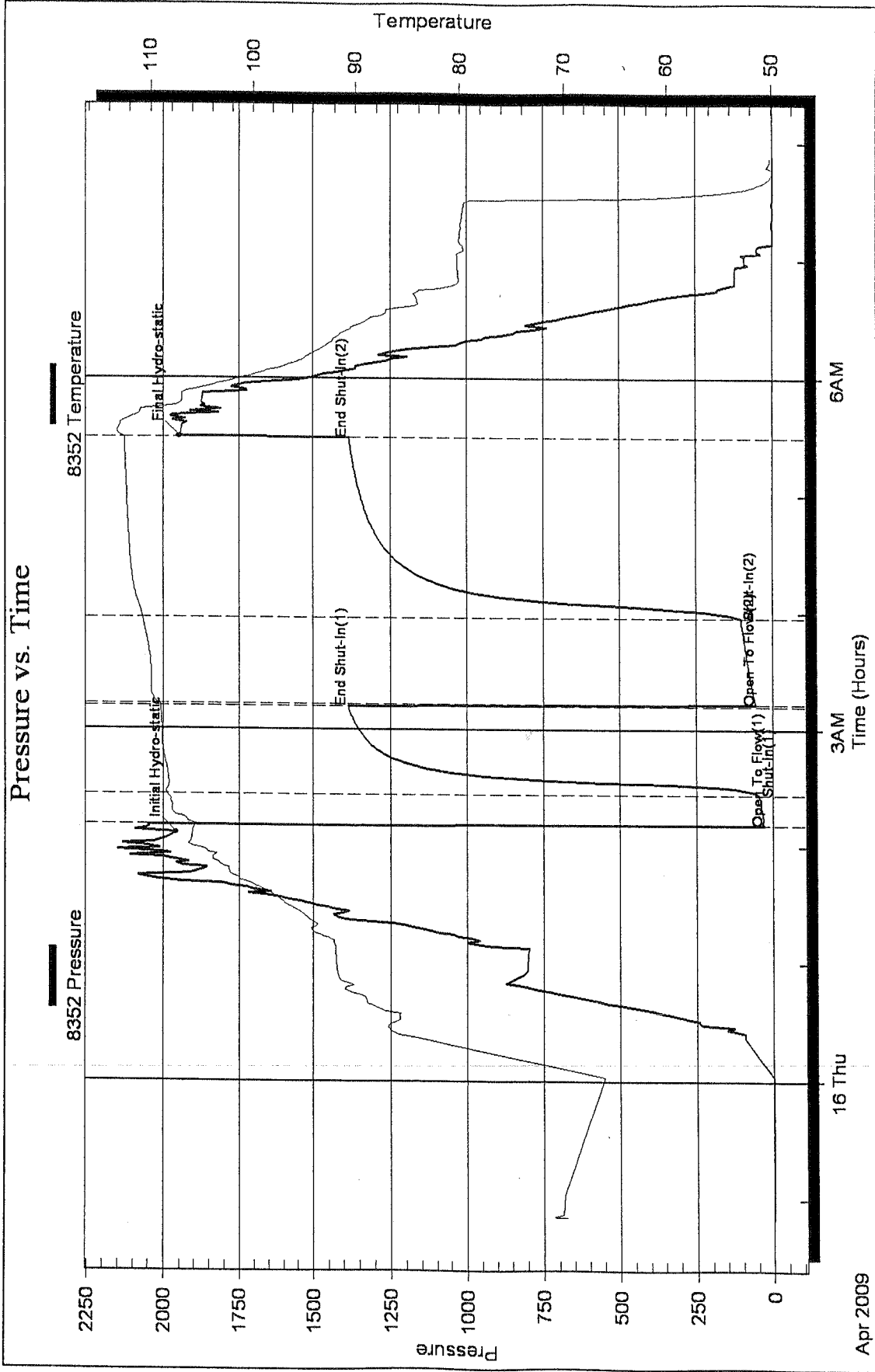
Serial #:

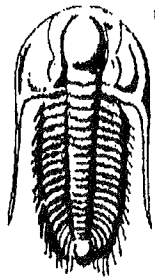
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Strata Exploration Inc.**

PO Box 401
Fairfield, IL 62837-0401

ATTN: Jon Christensen

4 28s 18w Kiowa KS

EINSEL #1-4

Start Date: 2009.04.18 @ 01:00:00

End Date: 2009.04.18 @ 10:23:00

Job Ticket #: 35080 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Strata Exploration Inc.

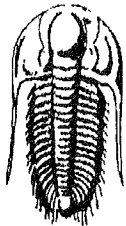
EINSEL #1-4

4 28s 18w Kiowa KS

DST # 2

Mississippi Chert

2009.04.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Strata Exploration Inc.
PO Box 401
Fairfield, IL 62837-0401
ATTN: Jon Christensen

EINSEL #1-4

4 28s 18w Kiowa KS

Job Ticket: 35080 **DST#: 2**

Test Start: 2009.04.18 @ 01:00:00

GENERAL INFORMATION:

Formation: **Mississippi Chert**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:42:00

Time Test Ended: 10:23:00

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **4792.00 ft (KB) To 4817.00 ft (KB) (TVD)**

Total Depth: 4817.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2207.00 ft (KB)

2194.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8352 Inside

Press@RunDepth: 637.31 psig @ 4793.00 ft (KB)

Start Date: 2009.04.18

End Date: 2009.04.18

Capacity: 7000.00 psig

Last Calib.: 2009.04.18

Start Time: 01:00:02

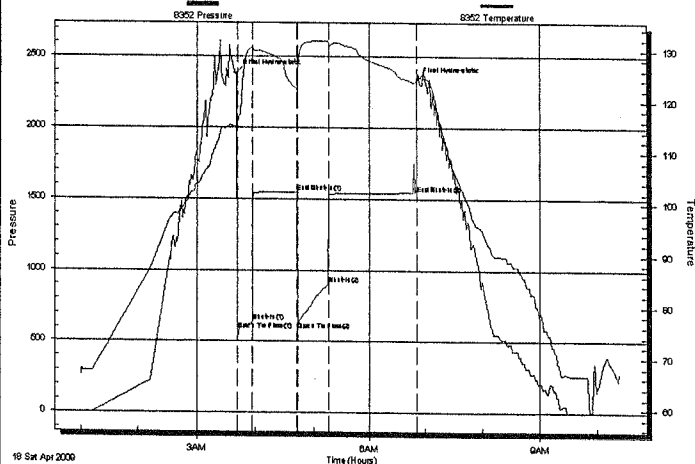
End Time: 10:23:00

Time On Btm: 2009.04.18 @ 03:39:40

Time Off Btm: 2009.04.18 @ 06:50:50

TEST COMMENT: IF: Very strong blow, BOB immediately, GTS 2 minutes.
IS: Bled off, blow back @ BOB.
FF: Very strong blow, flow ing mud & oil @ 20 minutes.
FSI: Bled off, blow back @ BOB.

Pressure vs. Time



PRESSURE SUMMARY

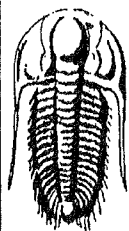
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2380.16	115.12	Initial Hydro-static
3	576.98	115.23	Open To Flow (1)
17	637.31	130.51	Shut-In (1)
63	1546.27	122.51	End Shut-In (1)
64	578.91	121.90	Open To Flow (2)
97	900.63	131.76	Shut-In (2)
191	1543.04	123.82	End Shut-In (2)
192	2332.40	124.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
575.00	Salt Water w/trace oil 99%w 1%o	5.79
65.00	HGCSMCWO 45%g 5%m 20%w 30%o	0.91
130.00	HGCSMCWCO 35%g 5%m 15%w 45%o	1.82
330.00	HGC Clean Oil 30%g 70%o	4.63
0.00	Corrected gravity = 35 API	0.00
0.00	RW=-.14ohm@57degF=68000ppmCHL	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	68.00	1287.08
Last Gas Rate	0.75	110.00	1943.11
Max. Gas Rate	0.75	110.00	1943.11



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Strata Exploration Inc.

EINSEL #1-4

PO Box 401
Fairfield, IL 62837-0401

4 28s 18w Kiowa KS

Job Ticket: 35080 DST#: 2

ATTN: Jon Christensen

Test Start: 2009.04.18 @ 01:00:00

Tool Information

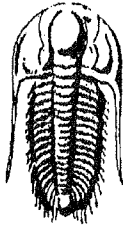
Drill Pipe:	Length: 4536.00 ft	Diameter: 3.80 inches	Volume: 63.63 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 250.00 ft	Diameter: 2.25 inches	Volume: 1.23 bbl	Weight to Pull Loose: 130000.0 lb
			Total Volume: 64.86 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 86000.00 lb
Depth to Top Packer:	4792.00 ft			Final 91000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4769.00	
Hydraulic tool	5.00			4774.00	
Jars	5.00			4779.00	
Safety Joint	3.00			4782.00	
Packer	5.00			4787.00	28.00 Bottom Of Top Packer
Packer	5.00			4792.00	
Stubb	1.00			4793.00	
Recorder	0.00	8352	Inside	4793.00	
Recorder	0.00	6799	Inside	4793.00	
Perforations	21.00			4814.00	
Bullnose	3.00			4817.00	25.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Strata Exploration Inc.

EINSEL #1-4

PO Box 401
Fairfield, IL 62837-0401

4 28s 18w Kiowa KS

Job Ticket: 35080

DST#: 2

ATTN: Jon Christensen

Test Start: 2009.04.18 @ 01:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 63.00 sec/qt

Water Loss: 10.39 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 35 deg API

Water Salinity: 68000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
575.00	Salt Water w/trace oil 99%w 1%o	5.788
65.00	HGCSMCWO 45%g 5%m 20%w 30%o	0.912
130.00	HGCSMCWCO 35%g 5%m 15%w 45%o	1.824
330.00	HGC Clean Oil 30%g 70%o	4.629
0.00	Corrected gravity = 35 API	0.000
0.00	RW=.14ohm@57degF=68000ppmCHL	0.000

Total Length: 1100.00 ft Total Volume: 13.153 bbl

Num Fluid Samples: 1

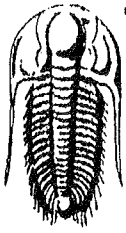
Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Strata Exploration Inc.

EINSEL #1-4

PO Box 401
Fairfield, IL 62837-0401

4 28s 18w Kiowa KS

Job Ticket: 35080

DST#: 2

ATTN: Jon Christensen

Test Start: 2009.04.18 @ 01:00:00

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	5	0.75	68.00	1287.08
1	5	0.75	68.00	1287.08
1	10	0.75	84.00	1536.99
1	15	0.75	88.00	1599.47
2	5	0.75	45.00	927.82
2	10	0.75	80.00	1474.51
2	15	0.75	84.00	1536.99
2	20	0.75	84.00	1536.99
2	25	0.75	90.00	1630.71
2	35	0.75	110.00	1943.11

DST Test Number: 2

4 28s 18w Kiowa KS

Strata Exploration Inc.

Inside

Serial #: 8352

