



DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration LLC**

204 W Mill St
Plainville KS 67663

ATTN: Chris Bean

LN #23-1

23-15s-23w Trego,KS

Start Date: 2014.12.06 @ 06:10:56

End Date: 2014.12.06 @ 14:41:05

Job Ticket #: 60695 DST #: 1

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.11 @ 09:27:53



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

StrataKan Exploration LLC

23-15s-23w Trego, KS

204 W Mill St
Plainville KS 67663

LN #23-1

ATTN: Chris Bean

Job Ticket: 60695

DST#: 1

Test Start: 2014.12.06 @ 06:10:56

GENERAL INFORMATION:

Formation: **Cherokee Sand.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:09:16

Time Test Ended: 14:41:05

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 77

Interval: 4170.00 ft (KB) To 4254.00 ft (KB) (TVD)

Reference Elevations: 2288.00 ft (KB)

Total Depth: 4254.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: 237.14 psig @ 4171.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.06

End Date:

2014.12.06

Last Calib.:

2014.12.06

Start Time: 06:10:57

End Time:

14:41:06

Time On Btm:

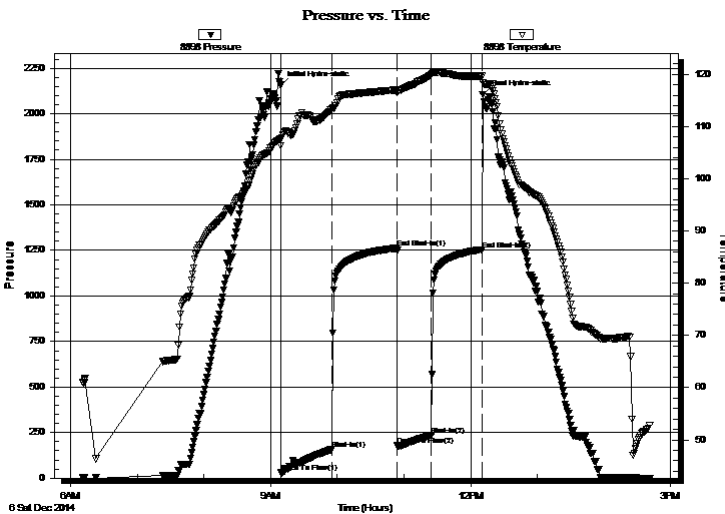
2014.12.06 @ 09:09:06

Time Off Btm:

2014.12.06 @ 12:10:56

TEST COMMENT: 45-B.O.B. in 15 mins
60-Dead no blow back
30-B.O.B. in 16 mins
45-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.27	107.71	Initial Hydro-static
1	31.42	106.39	Open To Flow (1)
47	157.24	113.43	Shut-In(1)
105	1263.04	117.01	End Shut-In(1)
105	181.66	116.51	Open To Flow (2)
136	237.14	119.90	Shut-In(2)
181	1253.79	119.67	End Shut-In(2)
182	2105.98	118.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	100%M w ith oil spots	2.67
60.00	SWCM 25%W 75%M	0.84
180.00	MCW 45%M 55%W	2.52

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

StrataKan Exploration LLC

23-15s-23w Trego,KS

204 W Mill St
Plainville KS 67663

LN #23-1

Job Ticket: 60695 **DST#: 1**

ATTN: Chris Bean

Test Start: 2014.12.06 @ 06:10:56

GENERAL INFORMATION:

Formation: **Cherokee Sand.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:09:16

Time Test Ended: 14:41:05

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 77

Interval: 4170.00 ft (KB) To 4254.00 ft (KB) (TVD)

Reference Elevations: 2288.00 ft (KB)

Total Depth: 4254.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 5.00 ft

Serial #: 8897 Inside

Press@RunDepth: psig @ 4171.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.06

End Date: 2014.12.06

Last Calib.: 2014.12.06

Start Time: 06:10:10

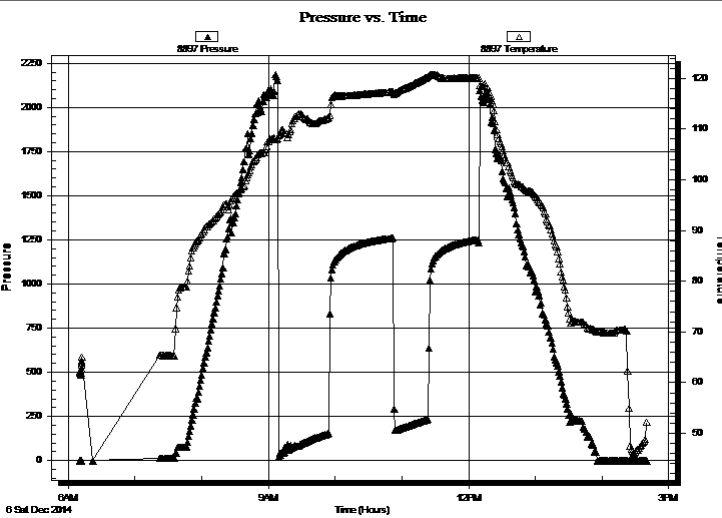
End Time: 14:40:09

Time On Btm:

Time Off Btm:

TEST COMMENT: 45-B.O.B. in 15 mins
60-Dead no blow back
30-B.O.B. in 16 mins
45-Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
190.00	100%M w ith oil spots	2.67
60.00	SWCM 25%W 75%M	0.84
180.00	MCW 45%M 55%W	2.52

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

StrataKan Exploration LLC

23-15s-23w Trego,KS

204 W Mill St
Plainville KS 67663

LN #23-1

Job Ticket: 60695

DST#: 1

ATTN: Chris Bean

Test Start: 2014.12.06 @ 06:10:56

Tool Information

Drill Pipe:	Length: 4147.00 ft	Diameter: 3.80 inches	Volume: 58.17 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 58.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4170.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	111.00 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			4148.00	
Hydraulic tool	5.00			4153.00	
Jars	5.00			4158.00	
Safety Joint	2.00			4160.00	
Packer	5.00			4165.00	27.00 Bottom Of Top Packer
Packer	5.00			4170.00	
Stubb	1.00			4171.00	
Recorder	0.00	8897	Inside	4171.00	
Recorder	0.00	8898	Outside	4171.00	
Perforations	15.00			4186.00	
Change Over Sub	1.00			4187.00	
Drill Pipe	63.00			4250.00	
Change Over Sub	1.00			4251.00	
Bullnose	3.00			4254.00	84.00 Bottom Packers & Anchor

Total Tool Length: 111.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

StrataKan Exploration LLC

23-15s-23w Trego,KS

204 W Mill St
Plainville KS 67663

LN #23-1

Job Ticket: 60695

DST#: 1

ATTN: Chris Bean

Test Start: 2014.12.06 @ 06:10:56

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

42000 ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	100%M w ith oil spots	2.665
60.00	SWCM 25%W 75%M	0.842
180.00	MCW 45%M 55%W	2.525

Total Length: 430.00 ft Total Volume: 6.032 bbl

Num Fluid Samples: 0

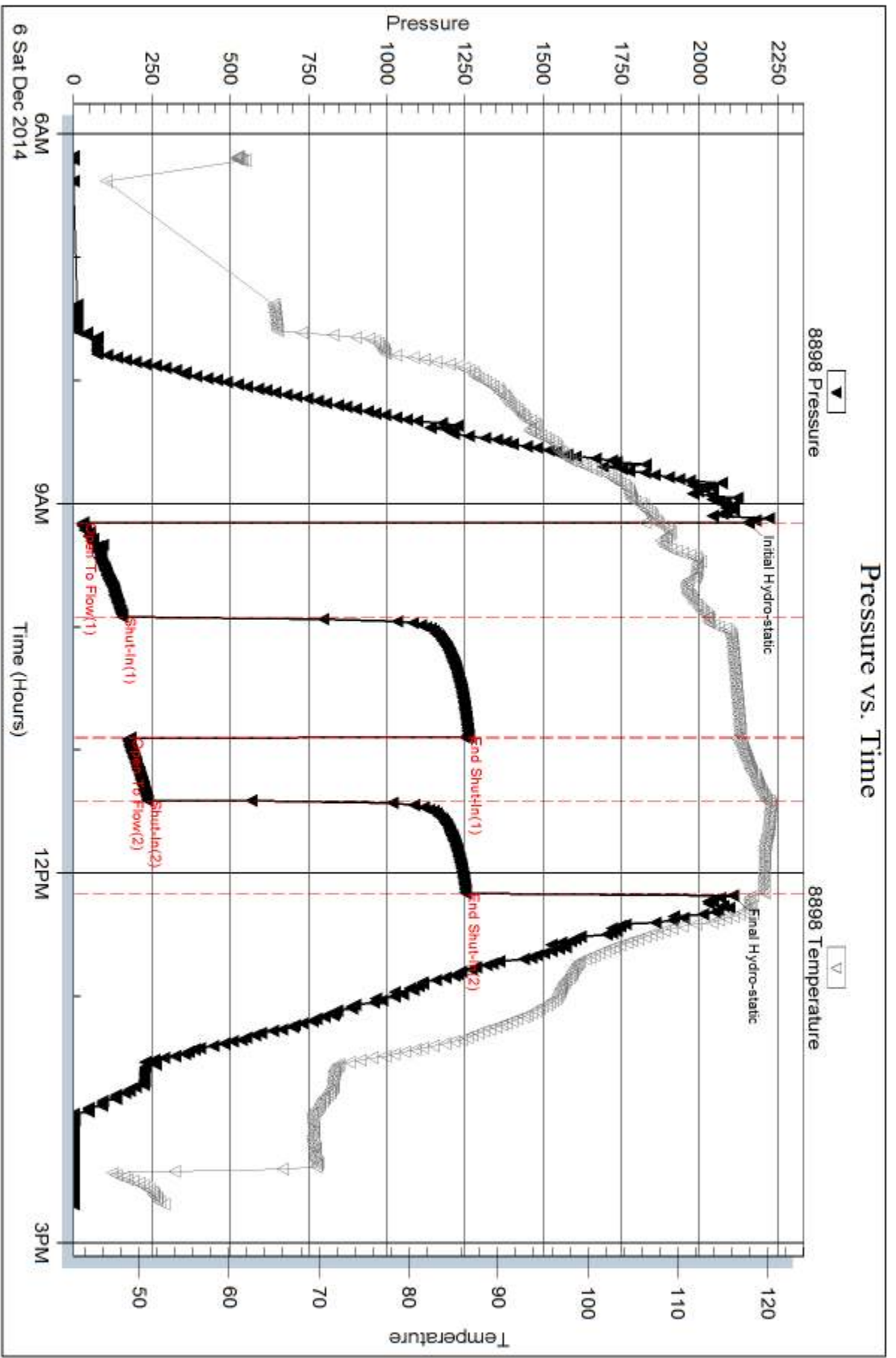
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .231 @ 50 F = 42000



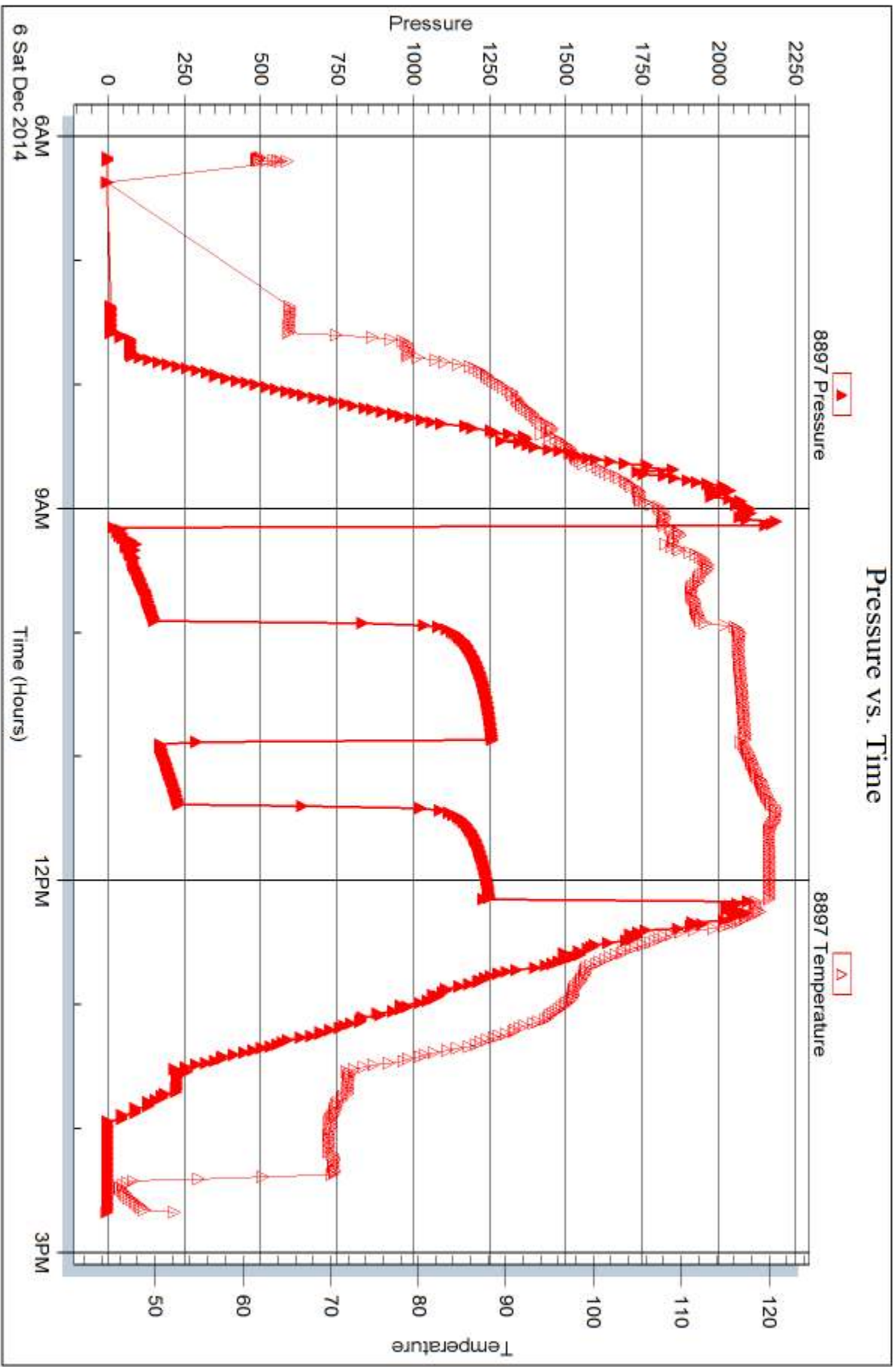
Serial #: 8897

Inside

StrataKan Exploration LLC

LN#23-1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration LLC**

204 W Mill St
Plainville KS 67663

ATTN: Chris Bean

LN #23-1

23-15s-23w Trego,KS

Start Date: 2014.12.07 @ 00:00:22

End Date: 2014.12.07 @ 06:29:31

Job Ticket #: 60696 DST #: 2

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.11 @ 09:27:33



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

StrataKan Exploration LLC

23-15s-23w Trego, KS

204 W Mill St
Plainville KS 67663

LN #23-1

Job Ticket: 60696

DST#: 2

ATTN: Chris Bean

Test Start: 2014.12.07 @ 00:00:22

GENERAL INFORMATION:

Formation: **Cherokee Sd - Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:59:22

Time Test Ended: 06:29:31

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 77

Interval: 4169.00 ft (KB) To 4260.00 ft (KB) (TVD)

Reference Elevations: 2288.00 ft (KB)

Total Depth: 4260.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: psig @ 4170.00 ft (KB)

Start Date: 2014.12.07

End Date:

2014.12.07

Start Time: 00:00:23

End Time:

06:29:32

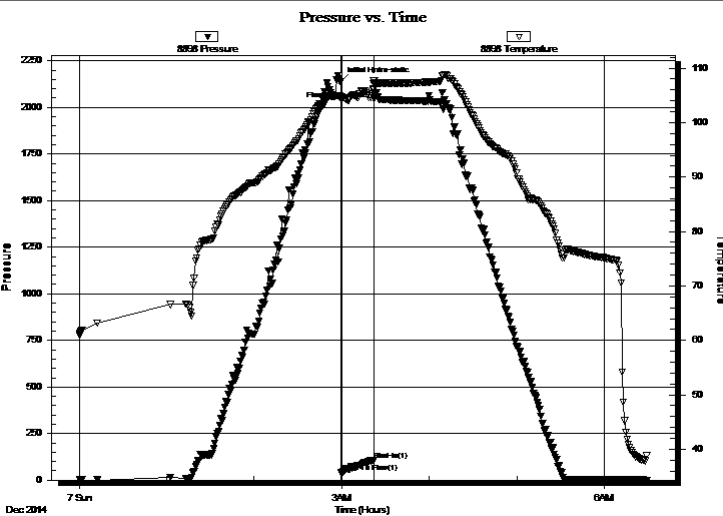
Capacity: 8000.00 psig

Last Calib.: 2014.12.07

Time On Btm: 2014.12.07 @ 02:59:02

Time Off Btm: 2014.12.07 @ 03:21:52

TEST COMMENT: 20- B.O.B In 13 mins
Pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2138.01	104.93	Initial Hydro-static
1	42.98	104.32	Open To Flow (1)
23	106.86	106.18	Shut-In(1)
23	2127.33	107.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
150.00	100%M	2.10

Gas Rates

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

* Recovery from multiple tests



DRILL STEM TEST REPORT

StrataKan Exploration LLC

23-15s-23w Trego, KS

204 W Mill St
Plainville KS 67663

LN #23-1

Job Ticket: 60696

DST#: 2

ATTN: Chris Bean

Test Start: 2014.12.07 @ 00:00:22

GENERAL INFORMATION:

Formation: **Cherokee Sd - Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:59:22

Time Test Ended: 06:29:31

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 77

Interval: 4169.00 ft (KB) To 4260.00 ft (KB) (TVD)

Reference Elevations: 2288.00 ft (KB)

Total Depth: 4260.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 5.00 ft

Serial #: 8897

Inside

Press@RunDepth: psig @ 4170.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.07

End Date: 2014.12.07

Last Calib.: 2014.12.07

Start Time: 00:00:31

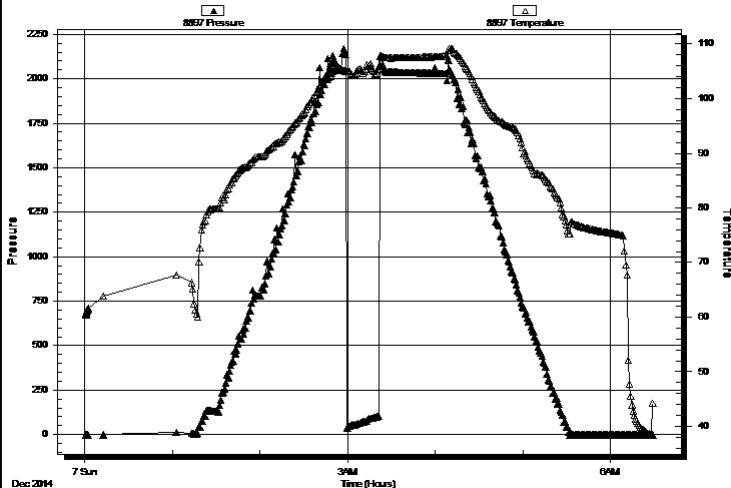
End Time: 06:29:40

Time On Btm:

Time Off Btm:

TEST COMMENT: 20- B.O.B In 13 mins
Pulled tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
150.00	100%M	2.10

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

StrataKan Exploration LLC

23-15s-23w Trego,KS

204 W Mill St
Plainville KS 67663

LN #23-1

Job Ticket: 60696

DST#: 2

ATTN: Chris Bean

Test Start: 2014.12.07 @ 00:00:22

Tool Information

Drill Pipe:	Length: 4148.00 ft	Diameter: 3.80 inches	Volume: 58.19 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 58.19 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	4169.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	91.00 ft			
Tool Length:	118.00 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			4147.00	
Hydraulic tool	5.00			4152.00	
Jars	5.00			4157.00	
Safety Joint	2.00			4159.00	
Packer	5.00			4164.00	27.00 Bottom Of Top Packer
Packer	5.00			4169.00	
Stubb	1.00			4170.00	
Recorder	0.00	8897	Inside	4170.00	
Recorder	0.00	8898	Outside	4170.00	
Perforations	22.00			4192.00	
Change Over Sub	1.00			4193.00	
Drill Pipe	63.00			4256.00	
Change Over Sub	1.00			4257.00	
Bullnose	3.00			4260.00	91.00 Bottom Packers & Anchor

Total Tool Length: 118.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

StrataKan Exploration LLC

23-15s-23w Trego,KS

204 W Mill St
Plainville KS 67663

LN #23-1

Job Ticket: 60696

DST#: 2

ATTN: Chris Bean

Test Start: 2014.12.07 @ 00:00:22

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 42.00 sec/qt

Cushion Volume: bbl

Water Loss: 11.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	100%M	2.104

Total Length: 150.00 ft Total Volume: 2.104 bbl

Num Fluid Samples: 0

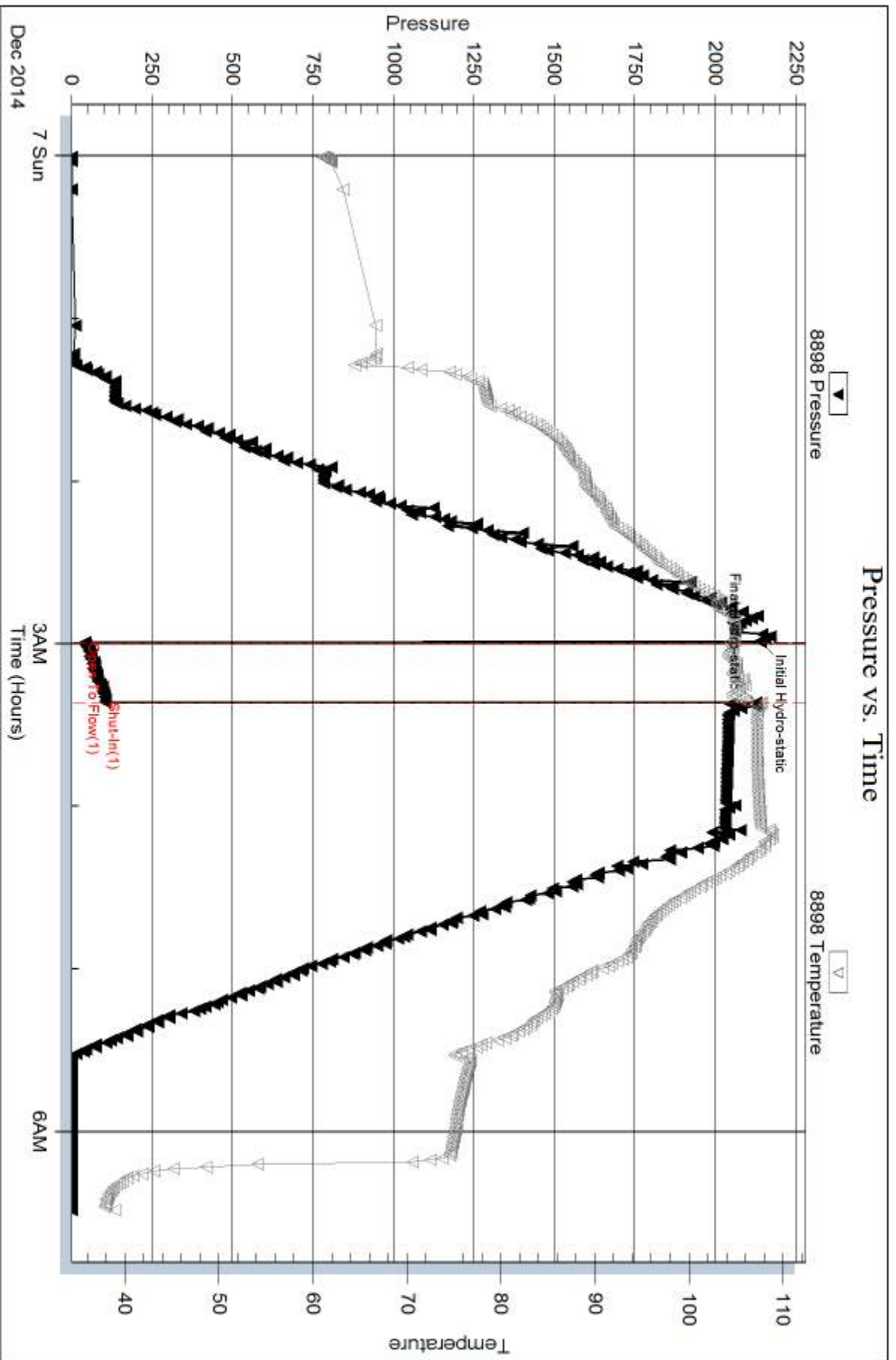
Num Gas Bombs: 0

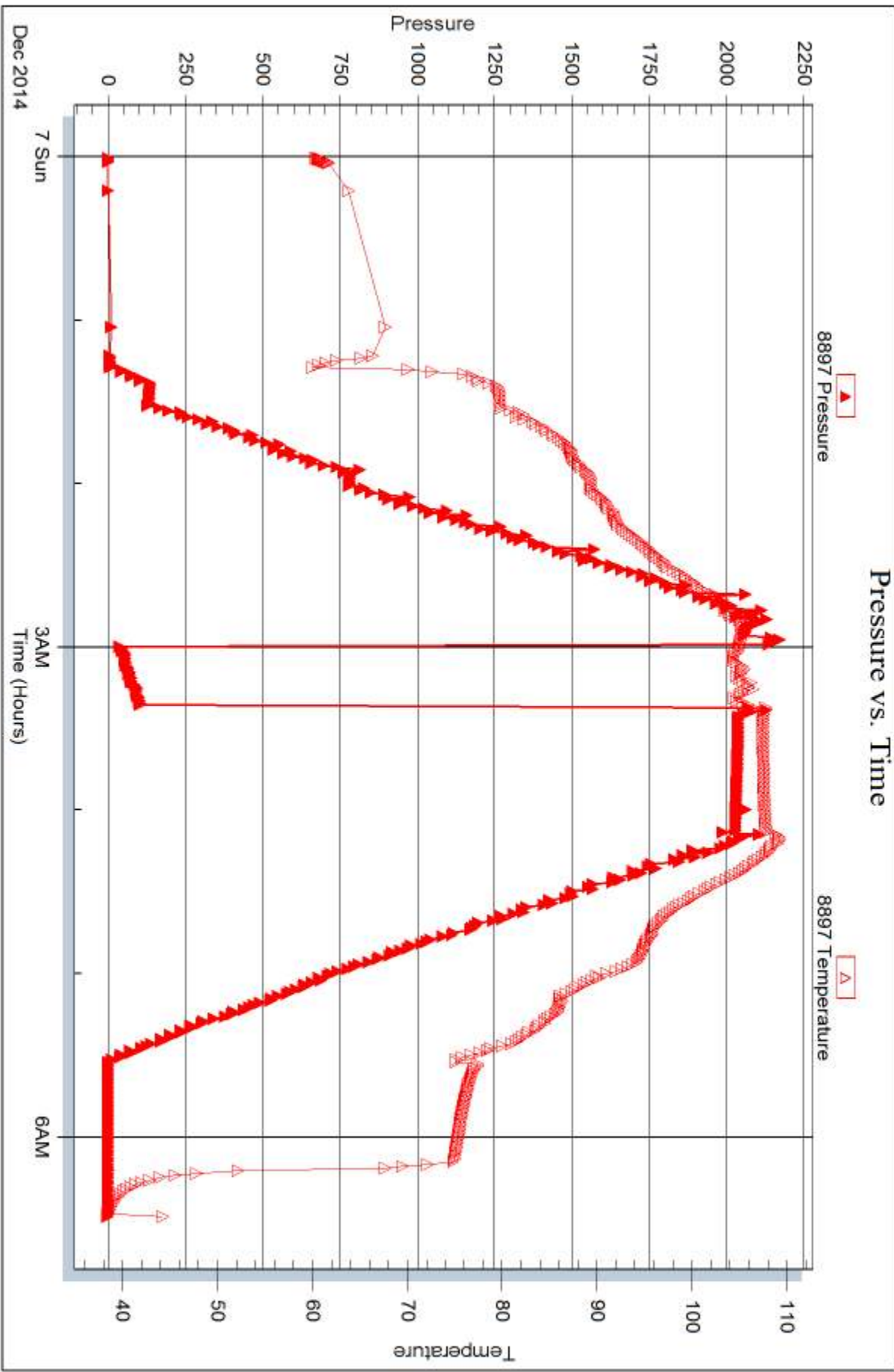
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration LLC**

204 W Mill St
Plainville KS 67663

ATTN: Chris Bean

LN #23-1

23-15s-23w Trego,KS

Start Date: 2014.12.08 @ 12:24:52

End Date: 2014.12.08 @ 19:39:22

Job Ticket #: 60697 DST #: 3

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.12.11 @ 09:26:50



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

StrataKan Exploration LLC

23-15s-23w Trego, KS

204 W Mill St
Plainville KS 67663

LN #23-1

Job Ticket: 60697

DST#: 3

ATTN: Chris Bean

Test Start: 2014.12.08 @ 12:24:52

GENERAL INFORMATION:

Formation: **Cherk. Sd.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:43:42

Time Test Ended: 19:39:22

Test Type: Conventional Straddle (Reset)

Tester: Tate Lang

Unit No: 77

Interval: 4170.00 ft (KB) To 4249.00 ft (KB) (TVD)

Reference Elevations: 2288.00 ft (KB)

Total Depth: 4351.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: 74.55 psig @ 4239.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.08

End Date:

2014.12.08

Last Calib.:

2014.12.08

Start Time: 12:24:53

End Time:

19:39:22

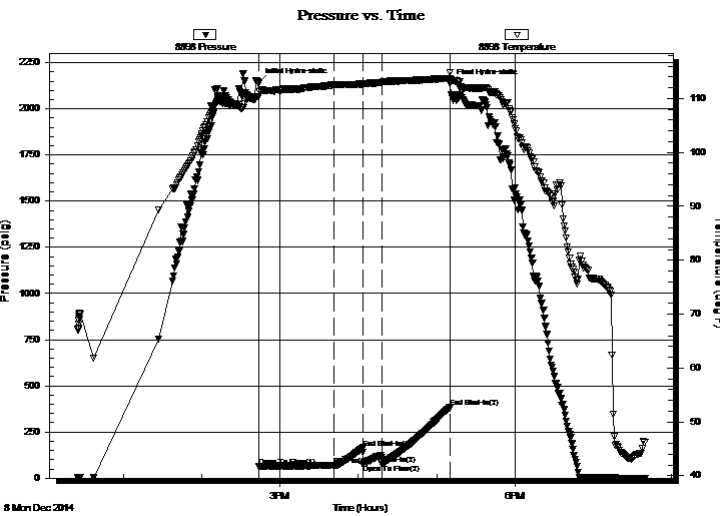
Time On Btm:

2014.12.08 @ 14:43:22

Time Off Btm:

2014.12.08 @ 17:10:12

TEST COMMENT: 60-Weak surface blow built to 2 1/2" Bled off to see if plugged came back with weak surface blow
20-Dead no blow back
15-Dead no blow
60-Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2139.62	110.40	Initial Hydro-static
1	61.96	110.41	Open To Flow (1)
58	69.86	112.53	Shut-In(1)
80	163.81	112.68	End Shut-In(1)
81	74.19	112.64	Open To Flow (2)
95	74.55	113.02	Shut-In(2)
147	383.08	113.74	End Shut-In(2)
147	2136.53	114.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	100%M with oil spots	0.63

* Recovery from multiple tests

Gas Rates

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



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DRILL STEM TEST REPORT

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Plainville KS 67663

LN #23-1

Job Ticket: 60697

DST#: 3

ATTN: Chris Bean

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Test Type: Conventional Straddle (Reset)

Tester: Tate Lang

Unit No: 77

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Reference Elevations: 2288.00 ft (KB)

Total Depth: 4351.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 5.00 ft

Serial #: 8897

Inside

Press@RunDepth: psig @ 4239.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.08

End Date: 2014.12.08

Last Calib.: 2014.12.08

Start Time: 12:24:09

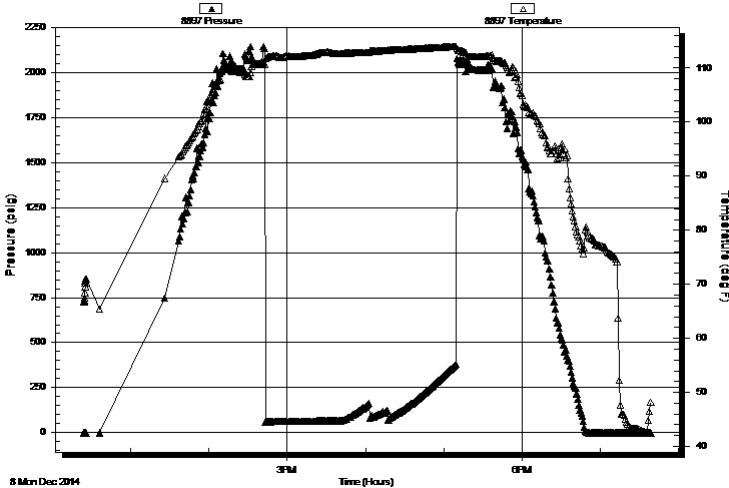
End Time: 19:38:48

Time On Btm:

Time Off Btm:

TEST COMMENT: 60-Weak surface blow built to 2 1/2" Bled off to see if plugged came back with weak surface blow
20-Dead no blow back
15-Dead no blow
60-Dead no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
45.00	100%M w ith oil spots	0.63

Gas Rates

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

* Recovery from multiple tests



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DRILL STEM TEST REPORT

StrataKan Exploration LLC

23-15s-23w Trego,KS

204 W Mill St
Plainville KS 67663

LN #23-1

Job Ticket: 60697

DST#: 3

ATTN: Chris Bean

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GENERAL INFORMATION:

Formation: **Cherk. Sd.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:43:42

Time Test Ended: 19:39:22

Test Type: Conventional Straddle (Reset)

Tester: Tate Lang

Unit No: 77

Interval: 4170.00 ft (KB) To 4249.00 ft (KB) (TVD)

Reference Elevations: 2288.00 ft (KB)

Total Depth: 4351.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 5.00 ft

Serial #: 8354 Below (Straddle)

Press@RunDepth: psig @ 4288.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.08

End Date:

2014.12.08

Last Calib.:

2014.12.08

Start Time: 12:24:27

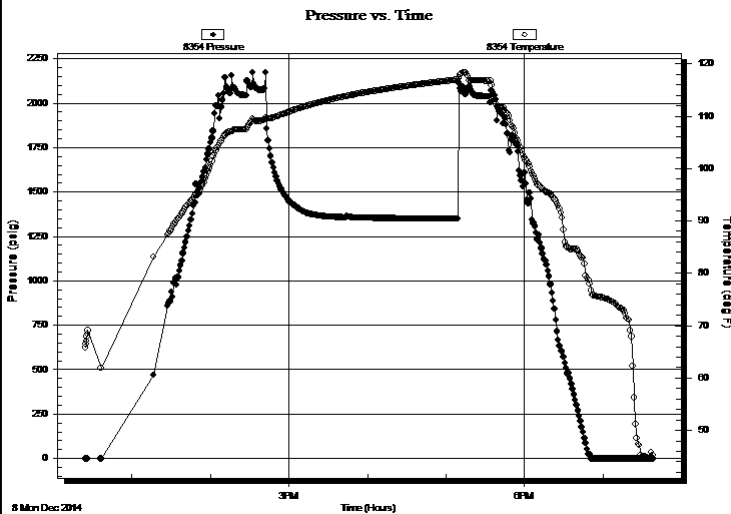
End Time:

19:38:51

Time On Btm:

Time Off Btm:

TEST COMMENT: 60-Weak surface blow built to 2 1/2" Bled off to see if plugged came back with weak surface blow
20-Dead no blow back
15-Dead no blow
60-Dead no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
45.00	100%M with oil spots	0.63

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

StrataKan Exploration LLC

23-15s-23w Trego,KS

204 W Mill St
Plainville KS 67663

LN #23-1

Job Ticket: 60697

DST#: 3

ATTN: Chris Bean

Test Start: 2014.12.08 @ 12:24:52

Tool Information

Drill Pipe:	Length: 4175.00 ft	Diameter: 3.80 inches	Volume: 58.56 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 67000.00 lb
			<u>Total Volume: 58.56 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4170.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	4249.00 ft			
Interval between Packers:	79.00 ft			
Tool Length:	213.00 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			4148.00	
Hydraulic tool	5.00			4153.00	
Jars	5.00			4158.00	
Safety Joint	2.00			4160.00	
Packer	5.00			4165.00	27.00 Bottom Of Top Packer
Packer	5.00			4170.00	
Stubb	1.00			4171.00	
perforations	3.00			4174.00	
Change Over Sub	1.00			4175.00	
Drill Pipe	63.00			4238.00	
Change Over Sub	1.00			4239.00	
Recorder	0.00	8897	Inside	4239.00	
Recorder	0.00	8898	Outside	4239.00	
Perforations	5.00			4244.00	
Blank Off Sub	1.00			4245.00	
Blank spacing	4.00			4249.00	
Packer	5.00			4254.00	
Stubb	1.00			4255.00	79.00 Tool Interval
Packer	5.00			4260.00	
Perforations	28.00			4288.00	
Recorder	0.00	8354	Below	4288.00	
Change Over Sub	1.00			4289.00	
Drill Pipe	63.00			4352.00	
Change Over Sub	1.00			4353.00	
Bullnose	3.00			4356.00	107.00 Bottom Packers & Anchor

Total Tool Length: 213.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

StrataKan Exploration LLC

23-15s-23w Trego, KS

204 W Mill St
Plainville KS 67663

LN #23-1

Job Ticket: 60697

DST#: 3

ATTN: Chris Bean

Test Start: 2014.12.08 @ 12:24:52

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: 42.00 sec/qt

Cushion Volume: bbl

Water Loss: 12.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	100%M with oil spots	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

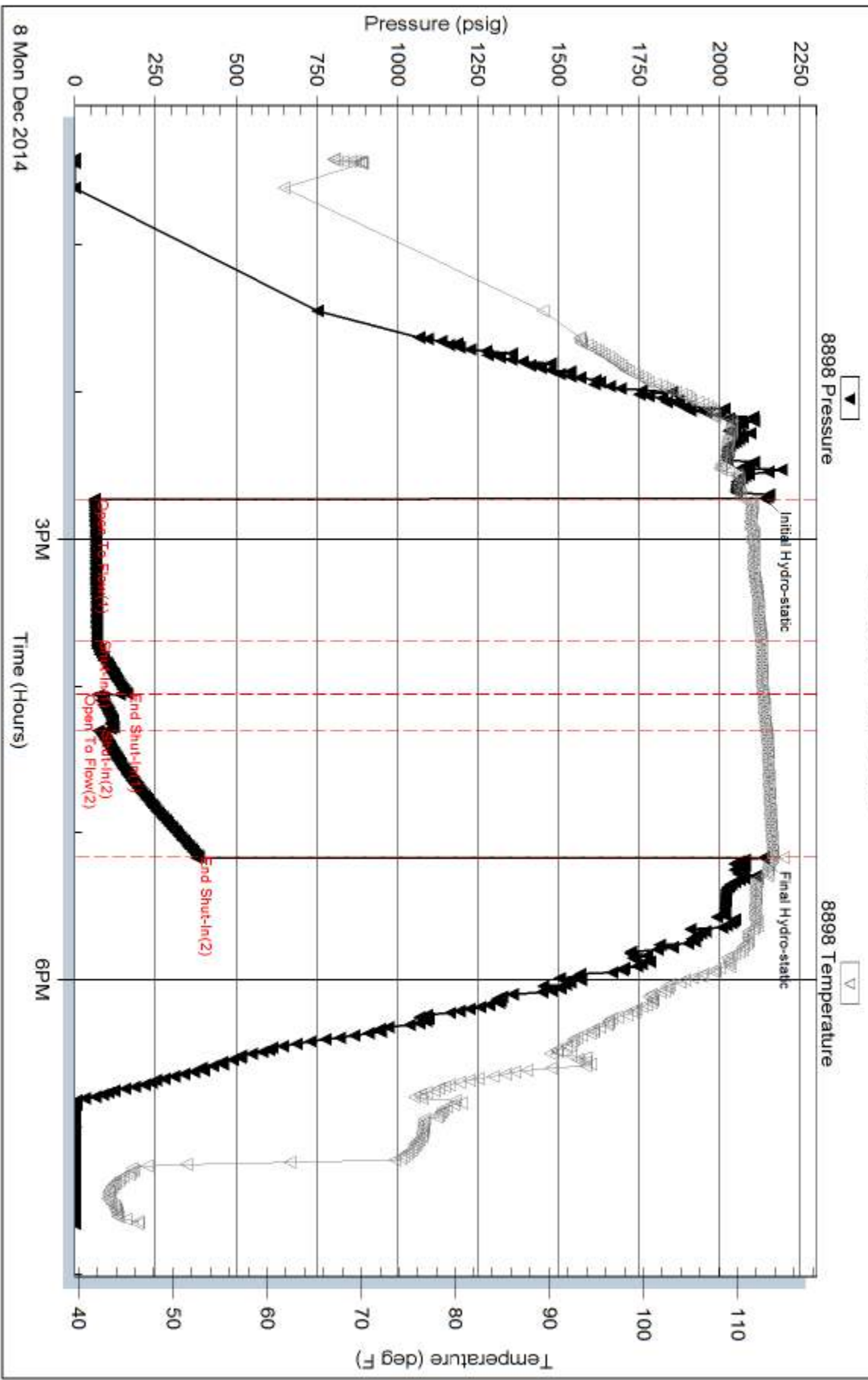
Serial #: 8898

Outside StrataKan Exploration LLC

LN#23-1

DST Test Number: 3

Pressure vs. Time



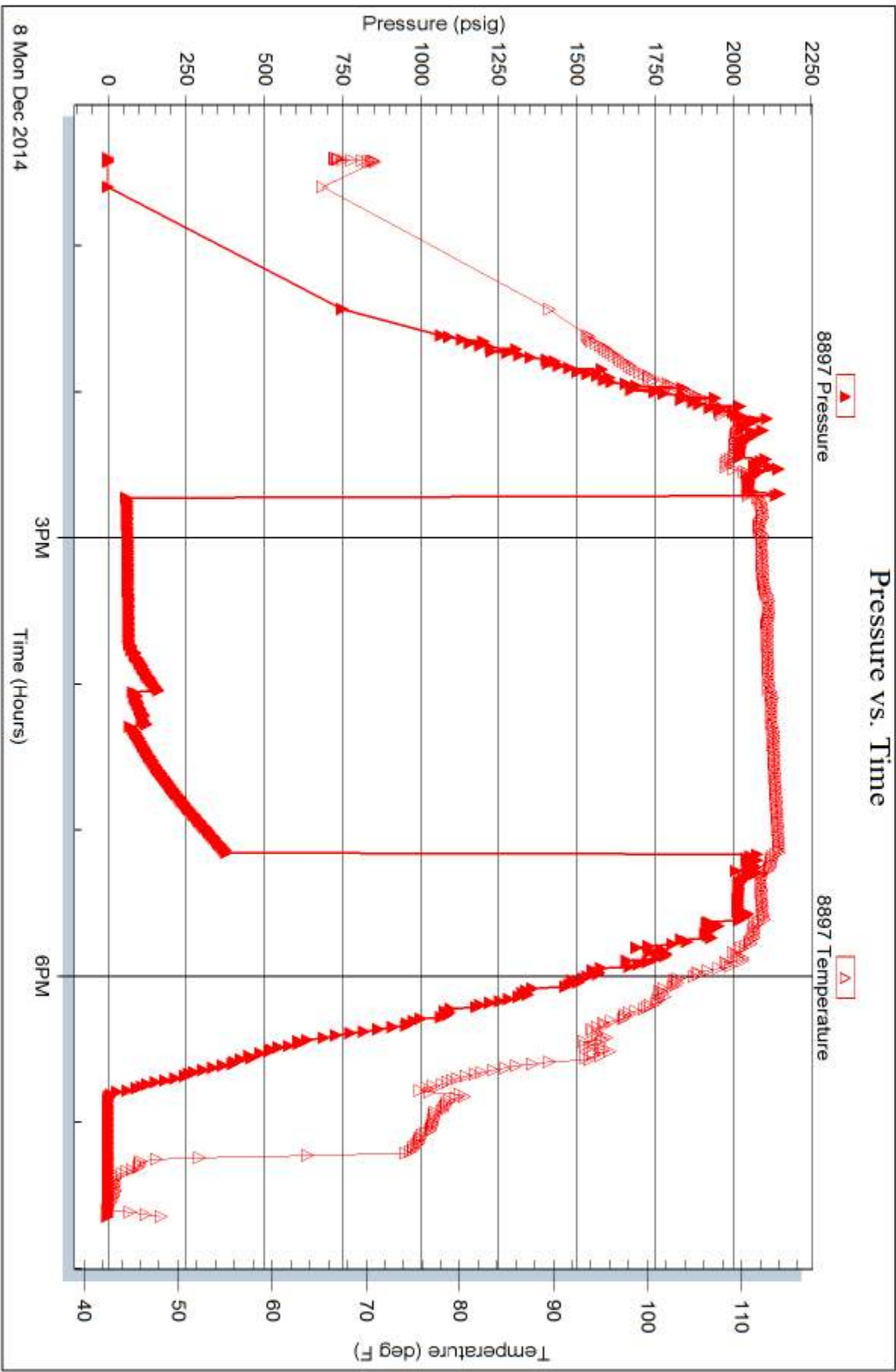
Serial #: 8897

Inside

StrataKan Exploration LLC

LN#23-1

DST Test Number: 3

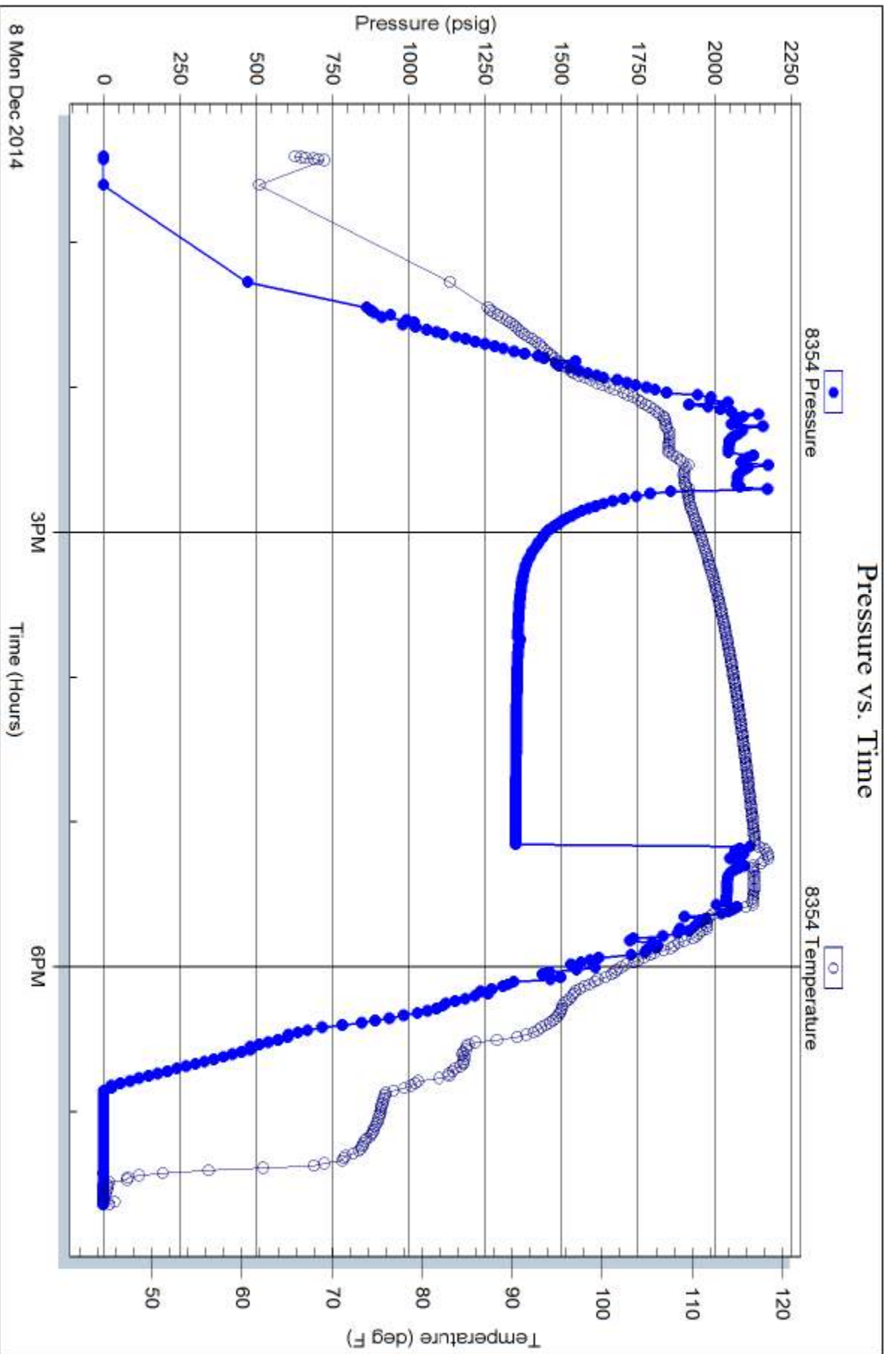


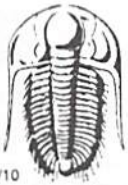
8 Mon Dec 2014

Tribble Testing, Inc

Ref. No: 60697

Printed: 2014.12.11 @ 09:26:52





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60695

Well Name & No. LN #23-1 Test No. 1 Date 12-6-14
 Company Stratakan Exploration LLC Elevation 2288 KB 2283 GL
 Address 204 W Mill St Plainville KS 67662
 Co. Rep / Geo. Chris Bean Rig White Knight
 Location: Sec. 23 Twp. 15S Rge. 23W Co. Trego State KS

Interval Tested 4170 4254 Zone Tested Cherokee Sd.
 Anchor Length 84 Drill Pipe Run 4147 Mud Wt. 9.5
 Top Packer Depth 4165 Drill Collars Run 0 Vis 56
 Bottom Packer Depth 4170 Wt. Pipe Run 0 WL 12
 Total Depth 4254 Chlorides 8000 ppm System LCM 1 1/2 #

Blow Description B.O.B. FN 15 miss
Dead no blow back
B.O.B. FN 16 miss
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>190</u>	Feet of <u>Mud / Oil spots</u>				<u>100</u> %mud
Rec <u>60</u>	Feet of <u>SWCM</u>			<u>25</u> %water	<u>75</u> %mud
Rec <u>180</u>	Feet of <u>MCW</u>			<u>55</u> %water	<u>45</u> %mud

Rec Total 430 BHT 120 Gravity _____ API RW 231 @ 50 ° F Chlorides 42000 ppm

(A) Initial Hydrostatic 2154 Test 1250 T-On Location 0435
 (B) First Initial Flow 31 Jars 250 T-Started 7:10
 (C) First Final Flow 157 Safety Joint 75 T-Open 0908
 (D) Initial Shut-In 1263 Circ Sub _____ T-Pulled 1208
 (E) Second Initial Flow 182 Hourly Standby _____ T-Out 1441
 (F) Second Final Flow 237 Mileage 115 R/T 178.25 Comments _____
 (G) Final Shut-In 1254 Sampler _____
 (H) Final Hydrostatic 2106 Straddle _____ Ruined Shale Packer _____

Initial Open 45 Shale Packer _____ Ruined Packer _____
 Initial Shut-In 60 Extra Packer _____ Extra Copies _____
 Final Flow 30 Extra Recorder _____ Sub Total 0
 Final Shut-In 45 Day Standby _____ Total 1753.25
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1753.25

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60696

4/10

Well Name & No. LN #23-1 Test No. 2 Date 12-7-14
 Company Stratcan Exploration LLC Elevation 2288 KB 2283 GL
 Address 204 S Mill St. Plainville KS 67663
 Co. Rep / Geo. Chris Bear Rig White Knight
 Location: Sec. 23 Twp. 155 Rge. 23W Co. Trego State KS

Interval Tested 4169 4260 Zone Tested Chert sd/miss.
 Anchor Length 91 Drill Pipe Run 4148 Mud Wt. 9.6
 Top Packer Depth 4164 Drill Collars Run 0 Vis 42
 Bottom Packer Depth 4169 Wt. Pipe Run 0 WL 11.6
 Total Depth 4260 Chlorides 6000 ppm System LCM 1 1/2 #

Blow Description B.O.B. - IN 13 mins
Pulled @ 700'

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>150</u>	Feet of <u>mud</u>	%gas	%oil	%water <u>150</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 150 BHT 108 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2139 Test 1250 T-On Location 2210 (R-6-14)
 (B) First Initial Flow 43 Jars 250 T-Started 0000
 (C) First Final Flow 107 Safety Joint 75 T-Open 0300
 (D) Initial Shut-In _____ Circ Sub _____ T-Pulled 0320
 (E) Second Initial Flow NA Hourly Standby _____ T-Out 0629
 (F) Second Final Flow _____ Mileage 178.25 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2127 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 20 Extra Recorder _____ Sub Total 0
 Initial Shut-In Pulled Tool Day Standby _____ Total 1753.25
 Final Flow _____ Accessibility _____ MP/DST Disc't _____
 Final Shut-In _____ Sub Total 1753.25

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 60697

Well Name & No. LN # 23-1 Test No. 3 Date 12-8-14
 Company Stratakon Exploration LLC Elevation 2288 KB 2283 GL
 Address 264 S Mill St Plainville KS 67663
 Co. Rep / Geo. Chris Bean Rig White Knight
 Location: Sec. 23 Twp. 15S Rge. 23W Co. Trego State KS

Interval Tested 4170 4249 Zone Tested Cherk SD
 Anchor Length 79' 102 Tail Drill Pipe Run 4175 Mud Wt. 9.1
 Top Packer Depth 4165 Drill Collars Run 0 Vis 4.2
 Bottom Packer Depth 4170 Wt. Pipe Run 0 WL 121.4
 Total Depth 4351 Chlorides 6000 ppm System LCM 1#
 Blow Description Weak surface blow built to 2 1/2 in bleed off to see if plugged come back with dead no blow back
Dead no blow
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>45</u>	Feet of <u>mud / oil spots</u>				<u>45</u> %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 45 BHT 114 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2140 Test 1250 T-On Location 11:45
 (B) First Initial Flow 62 Jars 250 T-Started 12:24
 (C) First Final Flow 70 Safety Joint 75 T-Open 14:42
 (D) Initial Shut-In 164 Circ Sub _____ T-Pulled 17:07
 (E) Second Initial Flow 74 Hourly Standby _____ T-Out 19:37
 (F) Second Final Flow 75 Mileage 178.25 Comments _____
 (G) Final Shut-In 383 Sampler _____
 (H) Final Hydrostatic 216 237 Straddle 600 Ruined Shale Packer _____
 Shale Packer 250 Ruined Packer _____
 Extra Packer 200 Extra Copies _____
 Initial Open 60 Extra Recorder _____ Sub Total 175
 Initial Shut-In 20 Day Standby 1d 5.25h Total 2978.25
 Final Flow 15 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 50 Sub Total 2803.25

Approved By _____ Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.