



DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corp.**

8100 E.22nd St. N.
Bldg.1500, Ste. A
Wichita KS .67226

ATTN: Bob O'Dell

Simons Farms #1-12

12-17s-35w Wichita,KS

Start Date: 2013.10.21 @ 23:27:06

End Date: 2013.10.22 @ 07:15:06

Job Ticket #: 52364 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.29 @ 11:03:59



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.

12-17s-35w Wichita, KS

8100 E.22nd St. N.
Bldg. 1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

Simons Farms #1-12

Job Ticket: 52364

DST#: 1

Test Start: 2013.10.21 @ 23:27:06

GENERAL INFORMATION:

Formation: **LKC H - I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:07:51

Time Test Ended: 07:15:06

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4247.00 ft (KB) To 4310.00 ft (KB) (TVD)

Reference Elevations: 3176.00 ft (KB)

Total Depth: 4310.00 ft (KB) (TVD)

3169.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8352 Inside

Press @ Run Depth: 29.57 psig @ 4248.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.21

End Date:

2013.10.22

Last Calib.: 2013.10.22

Start Time: 23:27:11

End Time:

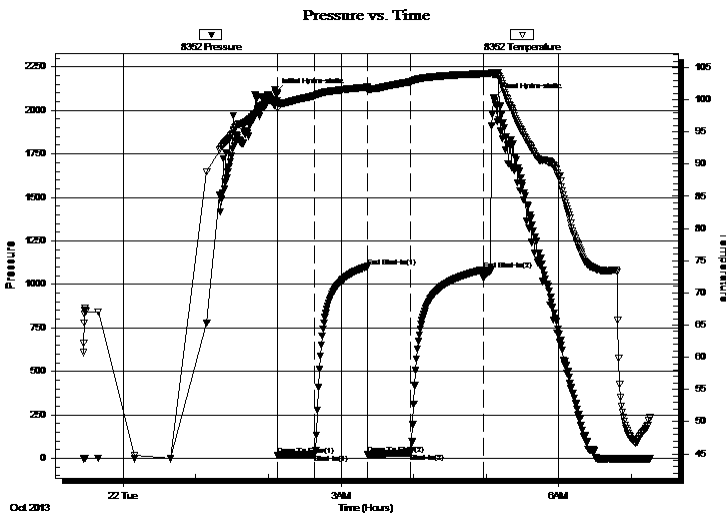
07:15:05

Time On Btm: 2013.10.22 @ 02:06:06

Time Off Btm: 2013.10.22 @ 05:06:21

TEST COMMENT: IF: Weak blow . 1/4 - 1/2".
IS: No blow .
FF: Weak blow . (surface) Dead in 30 mins.
FS: No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2103.08	99.90	Initial Hydro-static
2	19.13	98.62	Open To Flow (1)
32	24.20	100.60	Shut-In(1)
76	1102.66	101.95	End Shut-In(1)
76	24.99	101.59	Open To Flow (2)
111	29.57	102.78	Shut-In(2)
172	1083.61	104.04	End Shut-In(2)
181	2070.73	103.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	WM w/oil specs 12%w 88%m	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Corp.

12-17s-35w Wichita, KS

8100 E.22nd St. N.
Bldg. 1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

Simons Farms #1-12

Job Ticket: 52364

DST#: 1

Test Start: 2013.10.21 @ 23:27:06

Tool Information

Drill Pipe:	Length: 4252.00 ft	Diameter: 3.80 inches	Volume: 59.64 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 73000.00 lb
			<u>Total Volume: 59.64 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4247.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			4220.00	
Shut in tool	5.00			4225.00	
HMV	5.00			4230.00	
Jars	5.00			4235.00	
Safety Joint	3.00			4238.00	
Packer	4.00			4242.00	28.00 Bottom Of Top Packer
Packer	5.00			4247.00	
Stubb	1.00			4248.00	
Recorder	0.00	8352	Inside	4248.00	
Recorder	0.00	8370	Outside	4248.00	
Perforations	5.00			4253.00	
Blank Spacing	31.00			4284.00	
Perforations	21.00			4305.00	
Bullnose	5.00			4310.00	63.00 Bottom Packers & Anchor

Total Tool Length: 91.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.
8100 E.22nd St. N.
Bldg.1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

12-17s-35w Wichita,KS

Simons Farms #1-12

Job Ticket: 52364

DST#: 1

Test Start: 2013.10.21 @ 23:27:06

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 57.00 sec/qt
Water Loss: 7.18 in³
Resistivity: 0.00 ohm.m
Salinity: 8000.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 13700 ppm

Recovery Information

Recovery Table

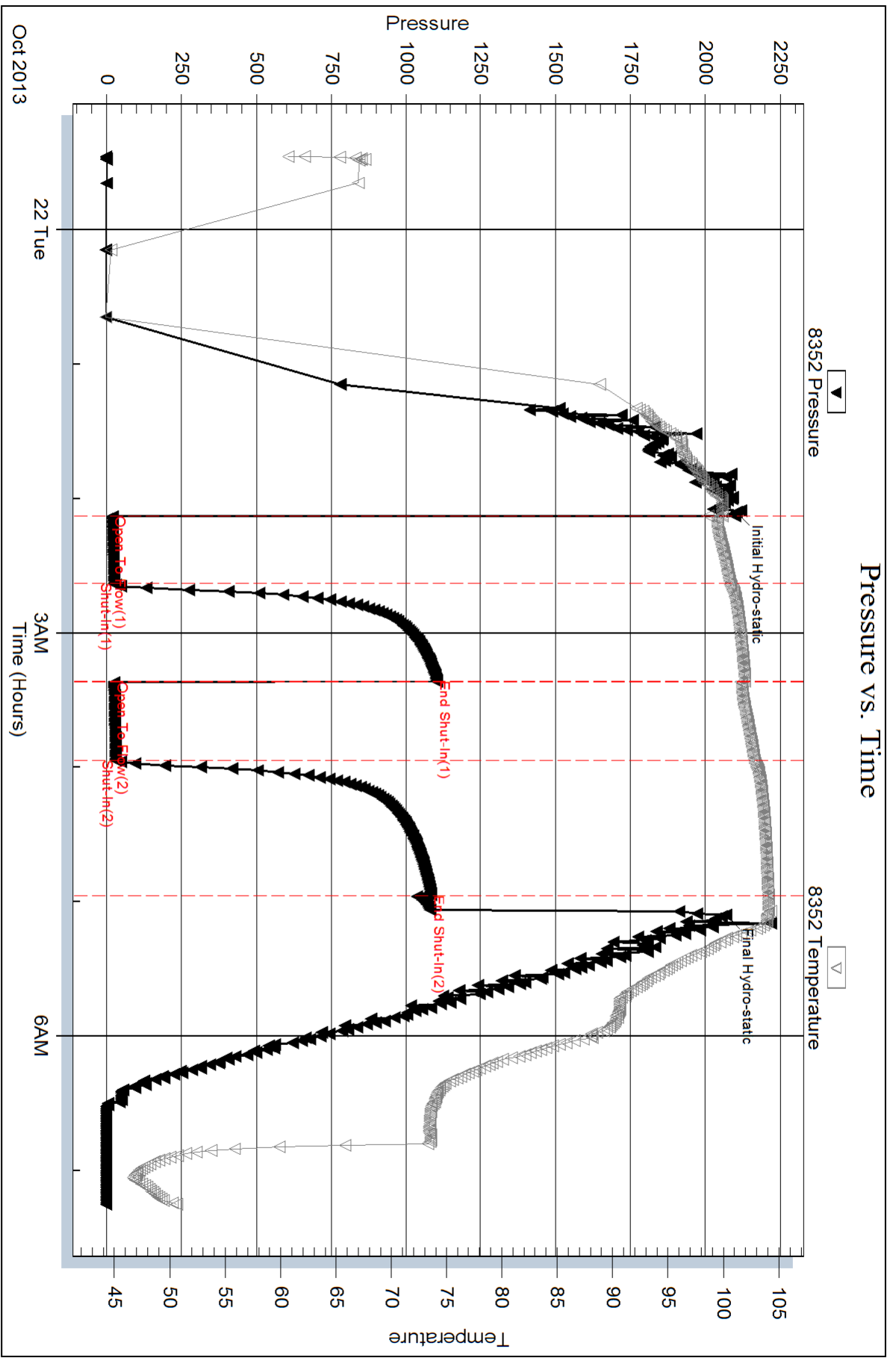
Length ft	Description	Volume bbl
30.00	WM w/oil specs 12%w 88%m	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments: Rw .56 ohms @ 62deg

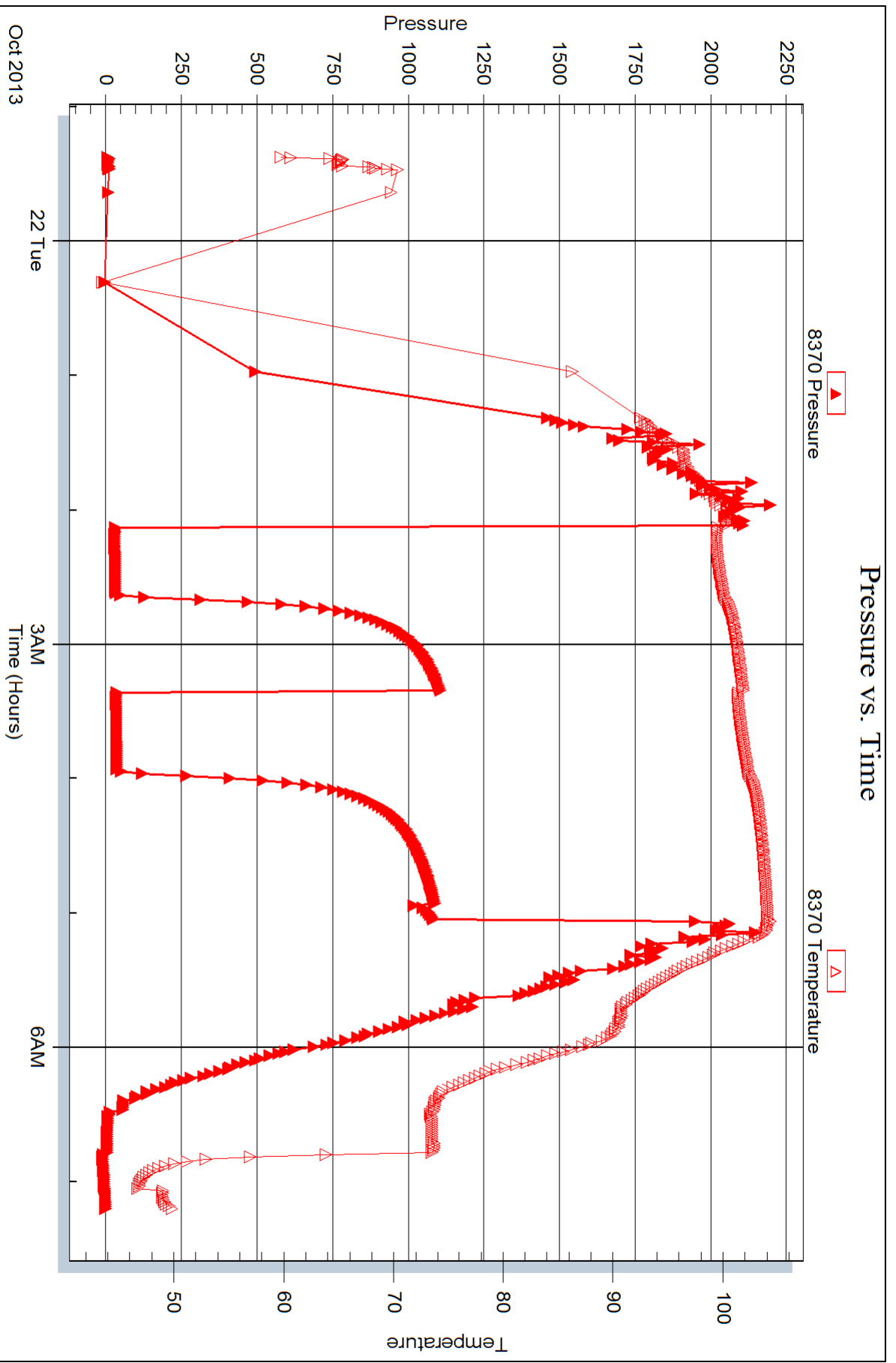


Serial #: 8370

Outside Eagle Creek Corp.

Simons Farms #1-12

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 52364

Printed: 2013.10.29 @ 11:04:01



DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corp.**

8100 E.22nd St. N.
Bldg.1500, Ste. A
Wichita KS .67226

ATTN: Bob O'Dell

Simons Farms #1-12

12-17s-35w Wichita,KS

Start Date: 2013.10.22 @ 14:59:59

End Date: 2013.10.22 @ 23:37:29

Job Ticket #: 52365 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.29 @ 11:03:31



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Eagle Creek Corp.

12-17s-35w Wichita, KS

8100 E.22nd St. N.
Bldg.1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

Simons Farms #1-12

Job Ticket: 52365

DST#: 2

Test Start: 2013.10.22 @ 14:59:59

GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:05:59

Time Test Ended: 23:37:29

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4318.00 ft (KB) To 4330.00 ft (KB) (TVD)

Reference Elevations: 3176.00 ft (KB)

Total Depth: 4330.00 ft (KB) (TVD)

3169.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8352 Inside

Press @ Run Depth: 141.84 psig @ 4319.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.10.22

End Date: 2013.10.22

Last Calib.: 2013.10.22

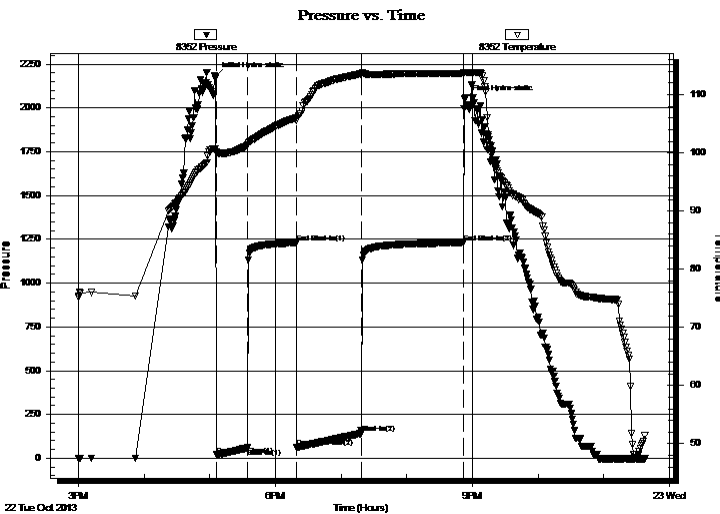
Start Time: 15:00:04

End Time: 23:37:29

Time On Btm: 2013.10.22 @ 17:04:44

Time Off Btm: 2013.10.22 @ 20:52:59

TEST COMMENT: IF:Weak to fair blow . Increase to 5".
IS:No blow .
FF:Weak to fair blow . Increase to 7".
FS:No blow .



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.40	100.72	Initial Hydro-static
2	19.54	99.95	Open To Flow (1)
30	60.10	101.31	Shut-In(1)
75	1229.88	106.06	End Shut-In(1)
75	61.74	105.53	Open To Flow (2)
134	141.84	113.55	Shut-In(2)
227	1229.94	113.68	End Shut-In(2)
229	2049.59	113.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Clean oil (heavy)	0.01
90.00	MW/w a few o specs 17% m 83% w	1.26
185.00	SW	2.60

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Corp.

12-17s-35w Wichita, KS

8100 E.22nd St. N.
Bldg. 1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

Simons Farms #1-12

Job Ticket: 52365

DST#: 2

Test Start: 2013.10.22 @ 14:59:59

Tool Information

Drill Pipe:	Length: 4314.00 ft	Diameter: 3.80 inches	Volume: 60.51 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 73000.00 lb
			<u>Total Volume: 60.51 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4318.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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C.O. Sub	1.00			4291.00	
Shut in tool	5.00			4296.00	
HMV	5.00			4301.00	
Jars	5.00			4306.00	
Safety Joint	3.00			4309.00	
Packer	4.00			4313.00	28.00 Bottom Of Top Packer
Packer	5.00			4318.00	
Stubb	1.00			4319.00	
Recorder	0.00	8352	Inside	4319.00	
Recorder	0.00	8370	Outside	4319.00	
Perforations	6.00			4325.00	
Bullnose	5.00			4330.00	12.00 Bottom Packers & Anchor

Total Tool Length: 40.00



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FLUID SUMMARY

Eagle Creek Corp.

12-17s-35w Wichita,KS

8100 E.22nd St. N.
Bldg.1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

Simons Farms #1-12

Job Ticket: 52365

DST#: 2

Test Start: 2013.10.22 @ 14:59:59

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:

74000 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.97 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
1.00	Clean oil (heavy)	0.014
90.00	MW/w a few o specs 17%m 83%w	1.262
185.00	SW	2.595

Total Length: 276.00 ft Total Volume: 3.871 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: Rw .14ohms @54deg

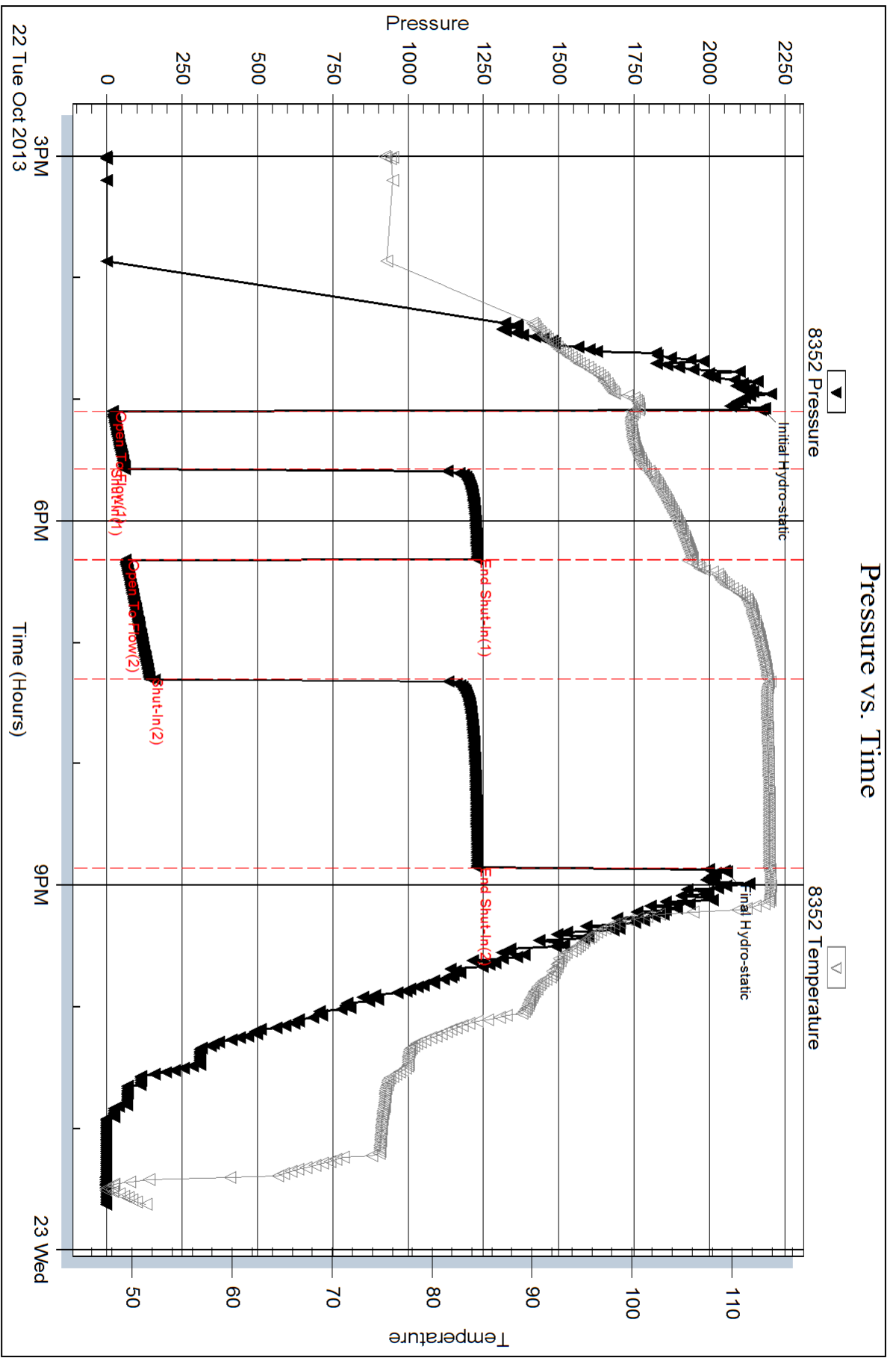
Serial #: 8352

Inside

Eagle Creek Corp.

Simons Farms #1-12

DST Test Number: 2

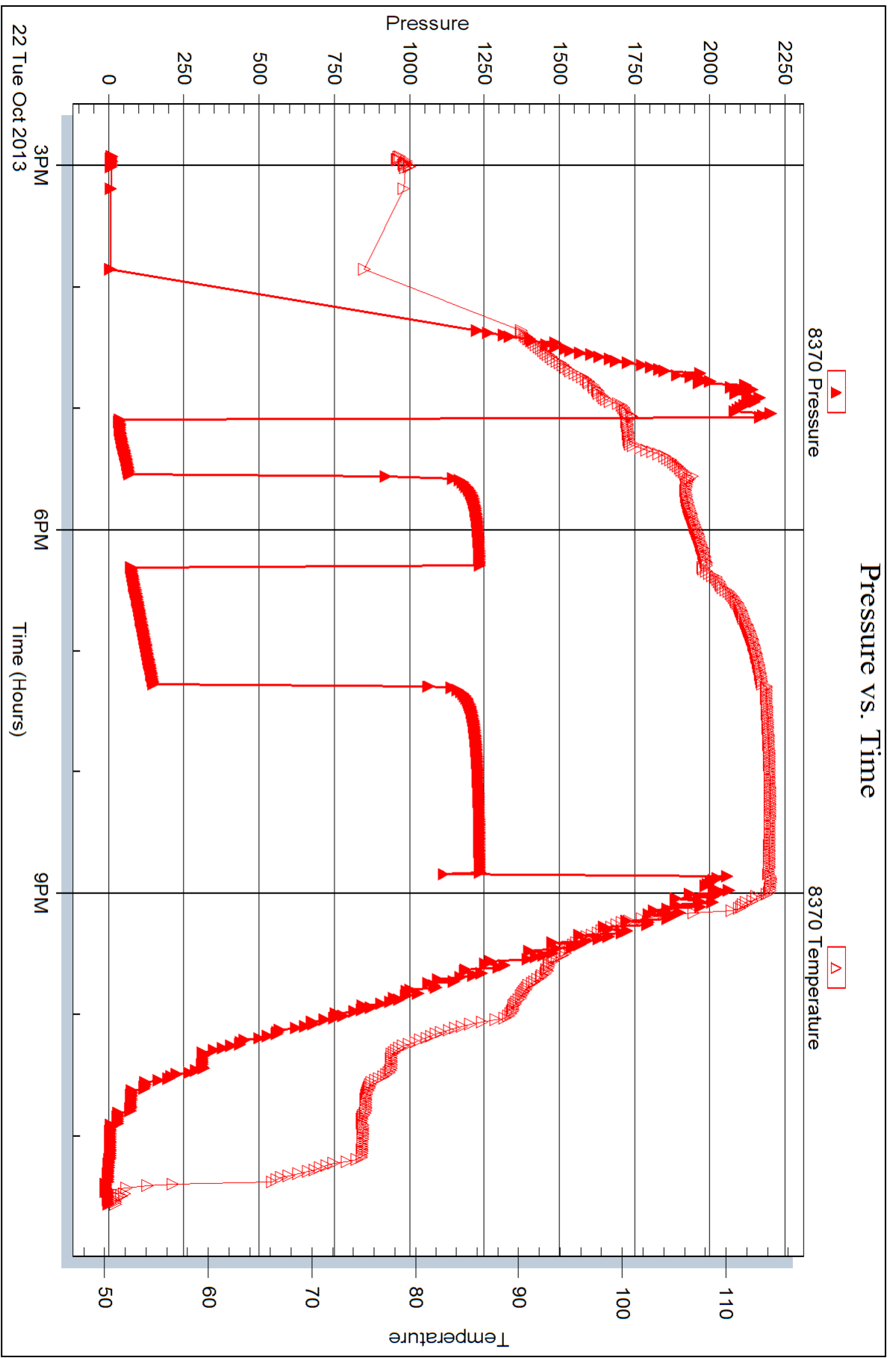


Serial #: 8370

Outside Eagle Creek Corp.

Simons Farms #1-12

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corp.**

8100 E.22nd St. N.
Bldg.1500, Ste. A
Wichita KS .67226

ATTN: Bob O'Dell

Simons Farms #1-12

12-17s-35w Wichita,KS

Start Date: 2013.10.24 @ 01:00:00

End Date: 2013.10.24 @ 06:14:15

Job Ticket #: 52986 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.29 @ 11:02:58



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.
 8100 E.22nd St. N.
 Bldg. 1500, Ste. A
 Wichita KS .67226
 ATTN: Bob O'Dell

12-17s-35w Wichita, KS

Simons Farms #1-12

Job Ticket: 52986 **DST#: 3**
 Test Start: 2013.10.24 @ 01:00:00

GENERAL INFORMATION:

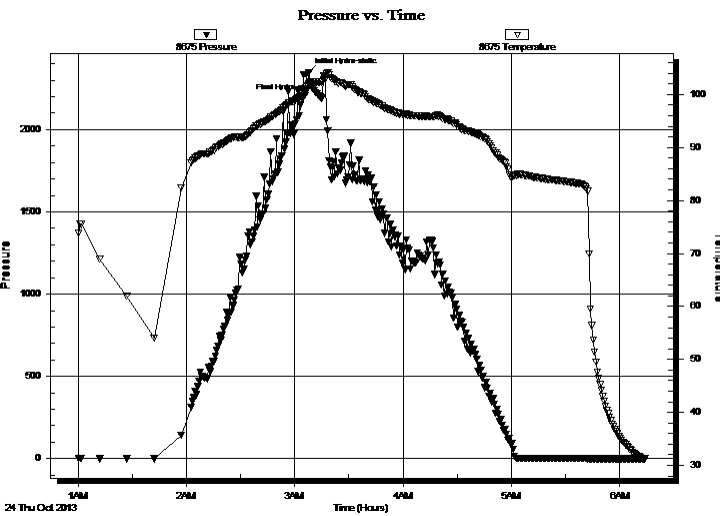
Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened:
 Time Test Ended: 06:14:15
 Interval: **4510.00 ft (KB) To 4540.00 ft (KB) (TVD)**
 Total Depth: 4540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jace McKinney
 Unit No: 46
 Reference Elevations: 3176.00 ft (KB)
 3169.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8675

Inside

Press @ Run Depth: psig @ 4511.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.24 End Date: 2013.10.24 Last Calib.: 2013.10.24
 Start Time: 01:00:15 End Time: 06:14:15 Time On Btm: 2013.10.24 @ 03:07:45
 Time Off Btm: 2013.10.24 @ 03:16:00

TEST COMMENT: Packer Failure



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2347.22	101.95	Initial Hydro-static
9	2329.71	102.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3276.00	100% Mud	45.95

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Corp.

12-17s-35w Wichita, KS

8100 E.22nd St. N.
Bldg. 1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

Simons Farms #1-12

Job Ticket: 52986

DST#: 3

Test Start: 2013.10.24 @ 01:00:00

Tool Information

Drill Pipe:	Length: 4504.55 ft	Diameter: 3.80 inches	Volume: 63.19 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 63.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.55 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4510.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4491.00	
Shut In Tool	5.00			4496.00	
Hydraulic tool	5.00			4501.00	
Packer	5.00			4506.00	20.00 Bottom Of Top Packer
Packer	4.00			4510.00	
Stubb	1.00			4511.00	
Recorder	0.00	8675	Inside	4511.00	
Recorder	0.00	8650	Outside	4511.00	
Perforations	26.00			4537.00	
Change Over Sub	0.00			4537.00	
Drill Pipe	0.00			4537.00	
Change Over Sub	0.00			4537.00	
Bullnose	3.00			4540.00	30.00 Bottom Packers & Anchor

Total Tool Length: 50.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.

12-17s-35w Wichita, KS

8100 E.22nd St. N.
Bldg. 1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

Simons Farms #1-12

Job Ticket: 52986

DST#: 3

Test Start: 2013.10.24 @ 01:00:00

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:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3276.00	100% Mud	45.954

Total Length: 3276.00 ft Total Volume: 45.954 bbl

Num Fluid Samples: 0

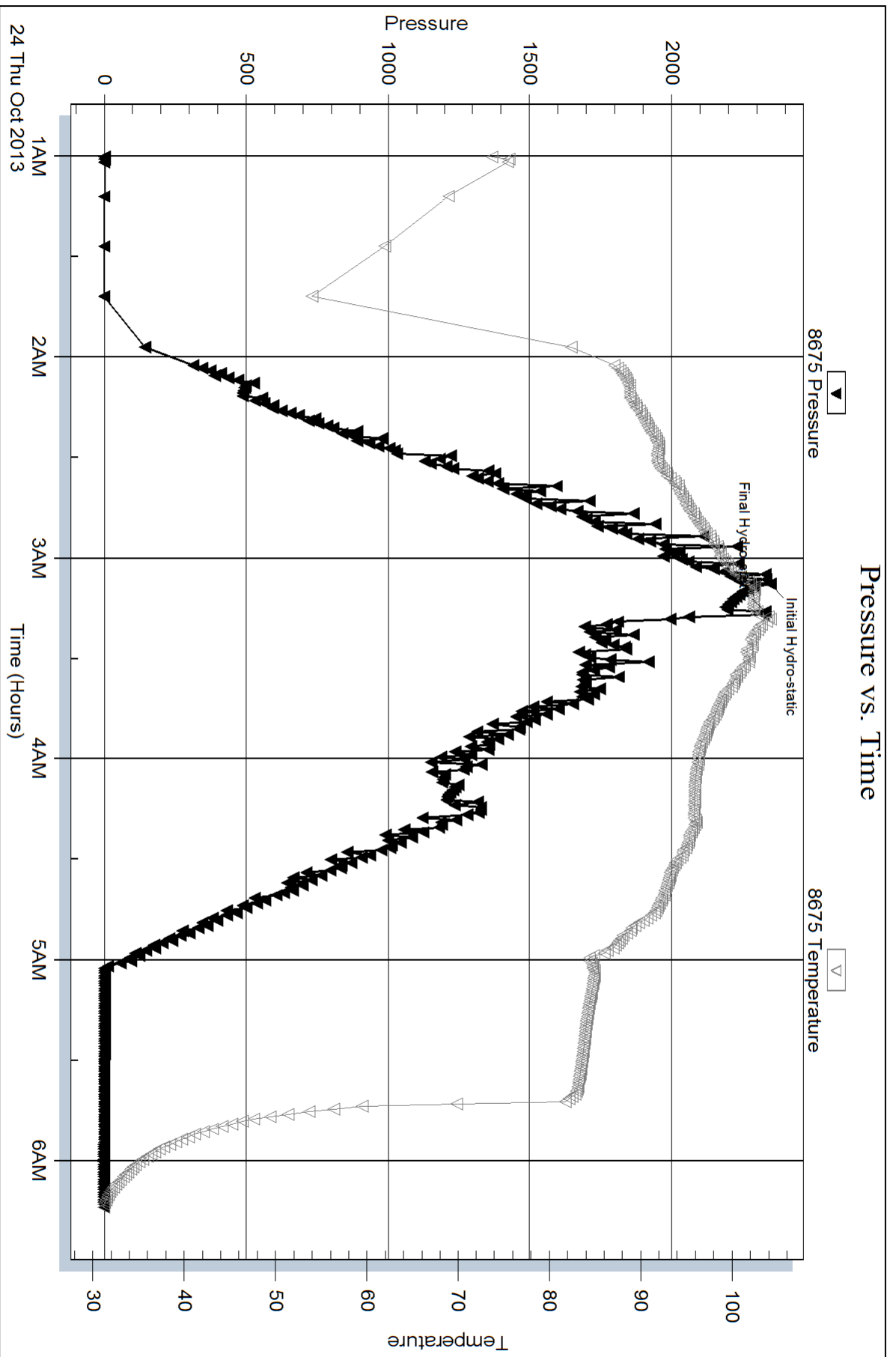
Num Gas Bombs: 0

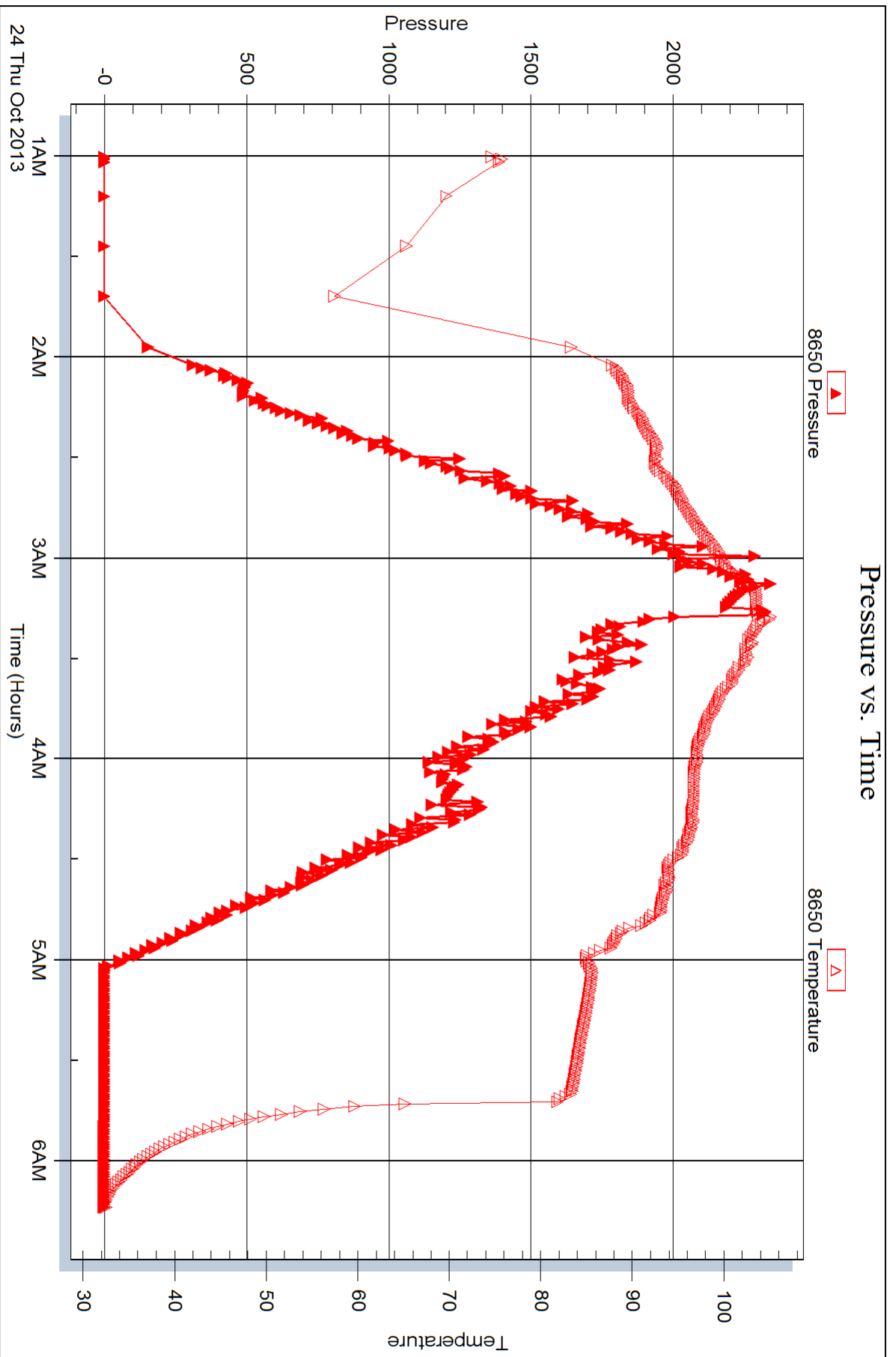
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corp.**

8100 E.22nd St. N.
Bldg.1500, Ste. A
Wichita KS .67226

ATTN: Bob O'Dell

Simons Farms #1-12

12-17s-35w Wichita,KS

Start Date: 2013.10.24 @ 06:35:00

End Date: 2013.10.24 @ 15:44:00

Job Ticket #: 52987 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.29 @ 11:02:33



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.
8100 E.22nd St. N.
Bldg. 1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

12-17s-35w Wichita, KS

Simons Farms #1-12

Job Ticket: 52987

DST#: 4

Test Start: 2013.10.24 @ 06:35:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:05:45
 Time Test Ended: 15:44:00
 Interval: **4448.00 ft (KB) To 4540.00 ft (KB) (TVD)**
 Total Depth: 4540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jace McKinney
 Unit No: 46
 Reference Elevations: 3176.00 ft (KB)
 3169.00 ft (CF)
 KB to GR/CF: 7.00 ft

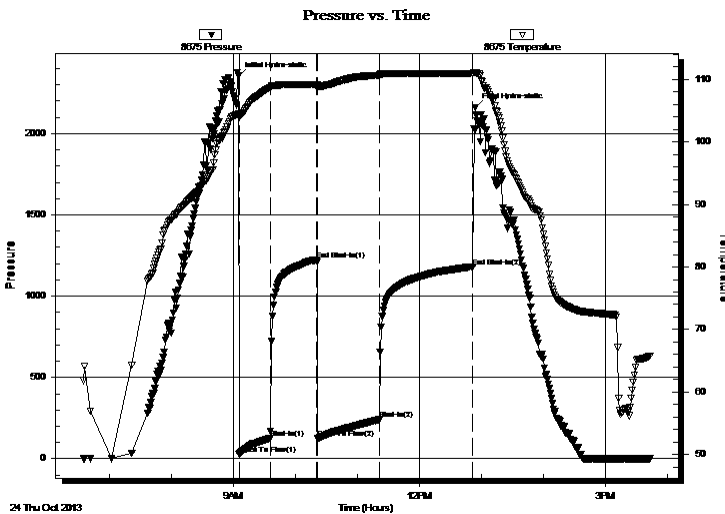
Serial #: 8675

Inside

Press @ Run Depth: 242.15 psig @ 4449.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.24 End Date: 2013.10.24 Last Calib.: 2013.10.24
 Start Time: 06:35:15 End Time: 15:44:00 Time On Btm: 2013.10.24 @ 09:05:15
 Time Off Btm: 2013.10.24 @ 12:54:30

TEST COMMENT: B.O.B. in 14 min.
 Bled off for 5 min. No return blow
 B.O.B. in 17 min.
 Bled off for 5 min. Built to 4 1/2" return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2353.70	104.57	Initial Hydro-static
1	29.86	103.88	Open To Flow (1)
31	126.80	108.76	Shut-In(1)
76	1224.41	109.19	End Shut-In(1)
77	126.41	108.56	Open To Flow (2)
137	242.15	110.66	Shut-In(2)
227	1180.40	110.97	End Shut-In(2)
230	2157.73	111.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	282 Feet Gas In Pipe	0.00
219.00	gco 20%G 80%O	3.07
252.00	gcom 20%G 20%O 60%M	3.53
63.00	ocgw m 5%O 15%G 20%W 60%M	0.88

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Corp.

12-17s-35w Wichita, KS

8100 E.22nd St. N.
Bldg. 1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

Simons Farms #1-12

Job Ticket: 52987

DST#: 4

Test Start: 2013.10.24 @ 06:35:00

Tool Information

Drill Pipe:	Length: 4441.79 ft	Diameter: 3.80 inches	Volume: 62.31 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 62.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.79 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	4448.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.00 ft			
Tool Length:	112.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4429.00	
Shut In Tool	5.00			4434.00	
Hydraulic tool	5.00			4439.00	
Packer	5.00			4444.00	20.00 Bottom Of Top Packer
Packer	4.00			4448.00	
Stubb	1.00			4449.00	
Recorder	0.00	8675	Inside	4449.00	
Recorder	0.00	8650	Outside	4449.00	
Perforations	24.00			4473.00	
Change Over Sub	1.00			4474.00	
Drill Pipe	62.00			4536.00	
Change Over Sub	1.00			4537.00	
Bullnose	3.00			4540.00	92.00 Bottom Packers & Anchor

Total Tool Length: 112.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.
8100 E.22nd St. N.
Bldg.1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

12-17s-35w Wichita,KS

Simons Farms #1-12

Job Ticket: 52987

DST#: 4

Test Start: 2013.10.24 @ 06:35:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 7.98 in³
Resistivity: 0.00 ohm.m
Salinity: 9000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: 33 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	282 Feet Gas In Pipe	0.000
219.00	gco 20%G 80%O	3.072
252.00	gcom 20%G 20%O 60%M	3.535
63.00	ocgw m 5%O 15%G 20%W 60%M	0.884

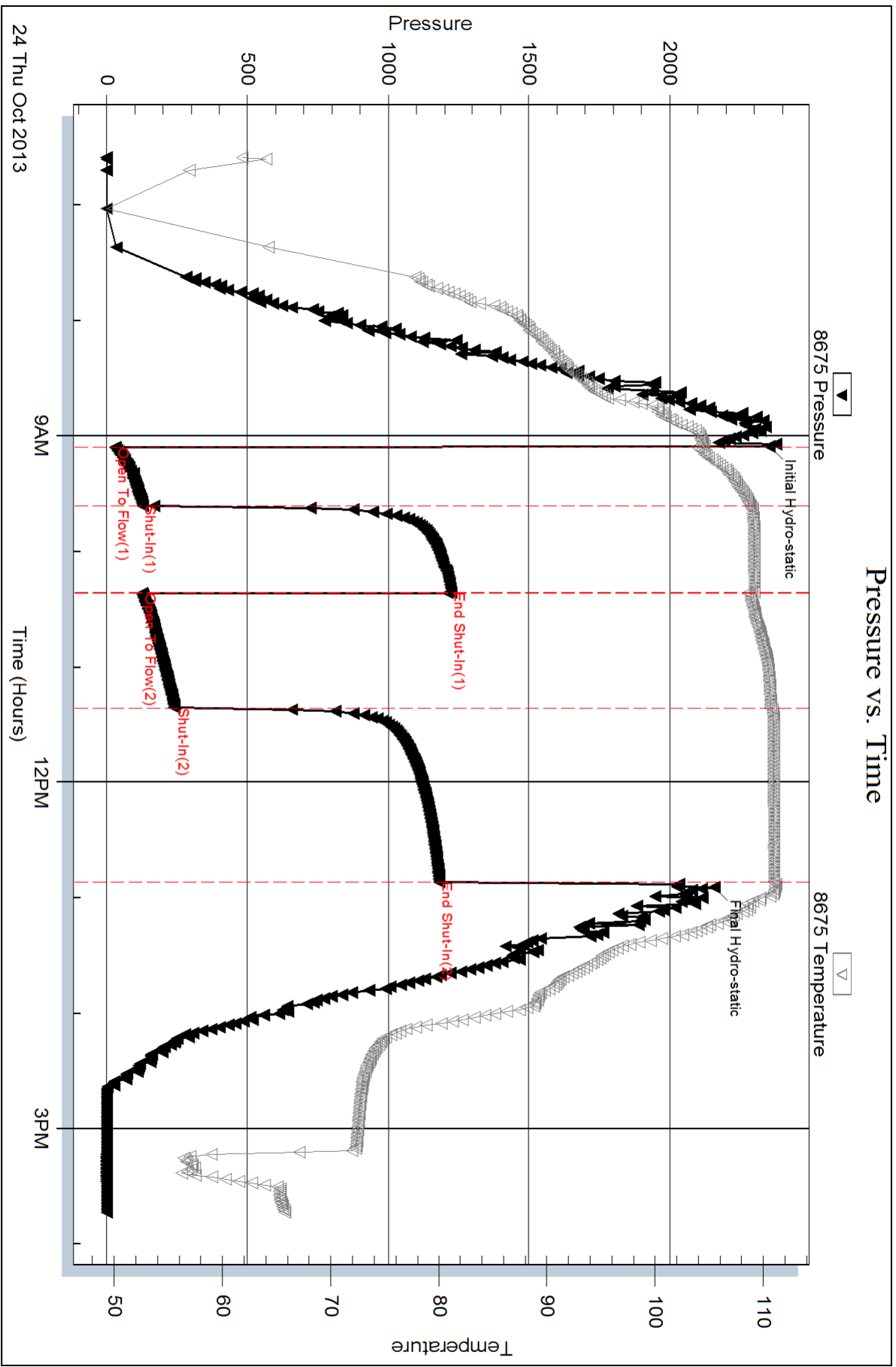
Total Length: 534.00 ft Total Volume: 7.491 bbl

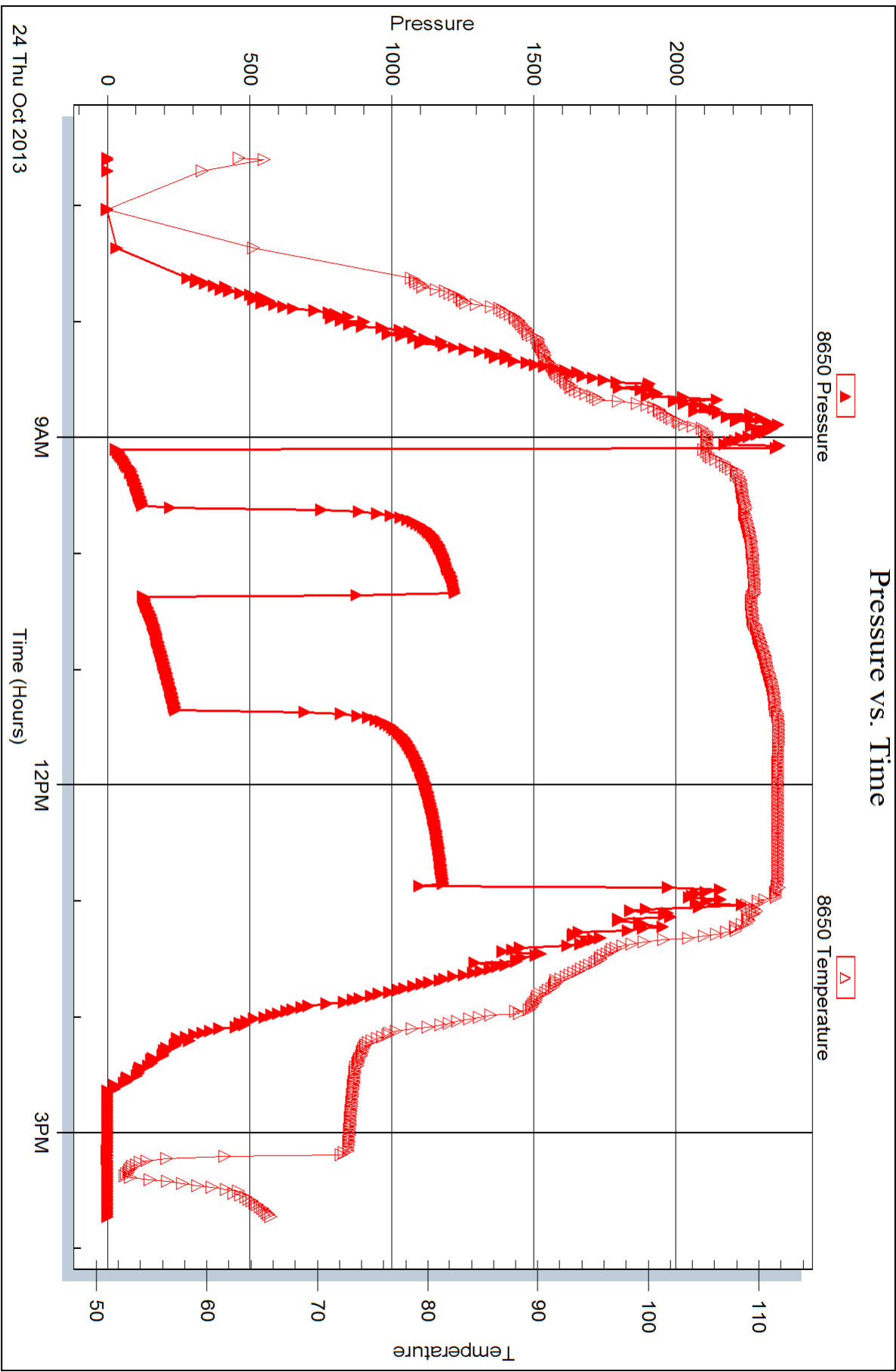
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .38 @ 65 F = 30,000

API: 33 @ 60 F = 33







DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corp.**

8100 E.22nd St. N.
Bldg.1500, Ste. A
Wichita KS .67226

ATTN: Bob O'Dell

Simons Farms #1-12

12-17s-35w Wichita,KS

Start Date: 2013.10.25 @ 01:00:00

End Date: 2013.10.25 @ 09:04:30

Job Ticket #: 52988 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.10.29 @ 11:01:52



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.
 8100 E.22nd St. N.
 Bldg.1500, Ste. A
 Wichita KS .67226
 ATTN: Bob O'Dell

12-17s-35w Wichita,KS

Simons Farms #1-12

Job Ticket: 52988 **DST#: 5**
 Test Start: 2013.10.25 @ 01:00:00

GENERAL INFORMATION:

Formation: **Marmaton**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:22:00
 Time Test Ended: 09:04:30
 Interval: **4546.00 ft (KB) To 4566.00 ft (KB) (TVD)**
 Total Depth: 4566.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jace McKinney
 Unit No: 46
 Reference Elevations: 3176.00 ft (KB)
 3169.00 ft (CF)
 KB to GR/CF: 7.00 ft

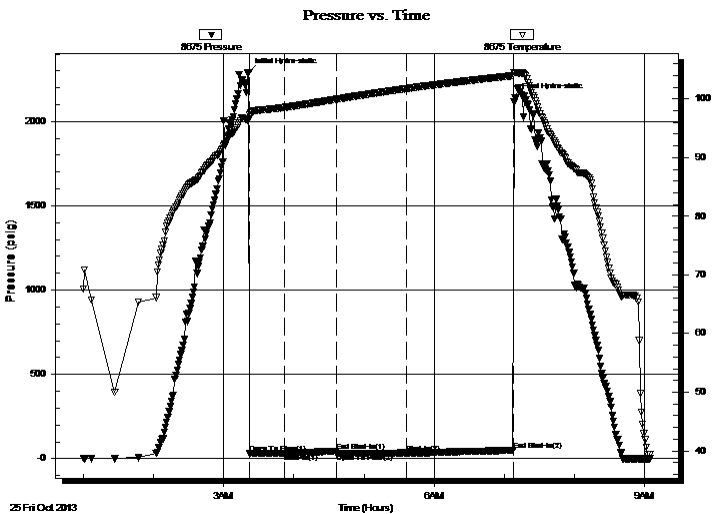
Serial #: 8675

Inside

Press @ Run Depth: 34.05 psig @ 4547.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.25 End Date: 2013.10.25 Last Calib.: 2013.10.25
 Start Time: 01:00:15 End Time: 09:04:30 Time On Btm: 2013.10.25 @ 03:21:30
 Time Off Btm: 2013.10.25 @ 07:09:15

TEST COMMENT: Built to 2" blow
 No return blow
 No blow
 No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2288.71	96.47	Initial Hydro-static
1	29.60	96.64	Open To Flow (1)
30	32.68	98.55	Shut-In(1)
75	45.57	99.97	End Shut-In(1)
76	32.19	99.96	Open To Flow (2)
135	34.05	101.77	Shut-In(2)
226	49.47	103.97	End Shut-In(2)
228	2141.27	104.47	Final Hydro-static

Recovery

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

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Eagle Creek Corp.

12-17s-35w Wichita, KS

8100 E.22nd St. N.
Bldg. 1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

Simons Farms #1-12

Job Ticket: 52988

DST#: 5

Test Start: 2013.10.25 @ 01:00:00

Tool Information

Drill Pipe:	Length: 4536.00 ft	Diameter: 3.80 inches	Volume: 63.63 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 74000.00 lb
			<u>Total Volume: 63.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4546.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	40.00 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			4527.00	
Shut In Tool	5.00			4532.00	
Hydraulic tool	5.00			4537.00	
Packer	5.00			4542.00	20.00 Bottom Of Top Packer
Packer	4.00			4546.00	
Stubb	1.00			4547.00	
Recorder	0.00	8675	Inside	4547.00	
Recorder	0.00	8650	Outside	4547.00	
Perforations	16.00			4563.00	
Change Over Sub	0.00			4563.00	
Drill Pipe	0.00			4563.00	
Change Over Sub	0.00			4563.00	
Bullnose	3.00			4566.00	20.00 Bottom Packers & Anchor

Total Tool Length: 40.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.
8100 E.22nd St. N.
Bldg.1500, Ste. A
Wichita KS .67226
ATTN: Bob O'Dell

12-17s-35w Wichita,KS

Simons Farms #1-12

Job Ticket: 52988

DST#: 5

Test Start: 2013.10.25 @ 01:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 60.00 sec/qt
Water Loss: 9.98 in³
Resistivity: 0.00 ohm.m
Salinity: 8500.00 ppm
Filter Cake: 1.00 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

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

Total Length: 45.00 ft Total Volume: 0.631 bbl

Num Fluid Samples: 0

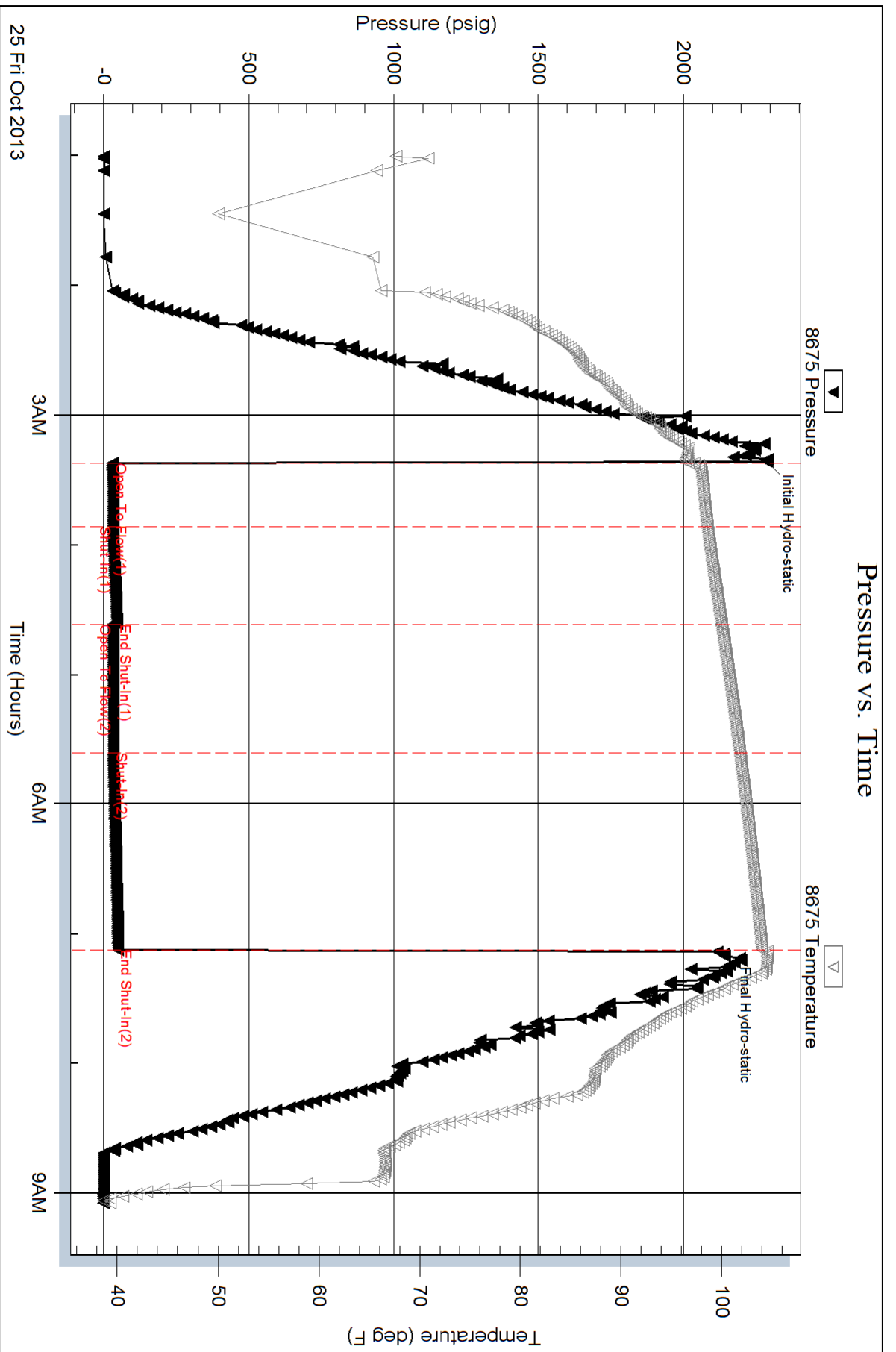
Num Gas Bombs: 0

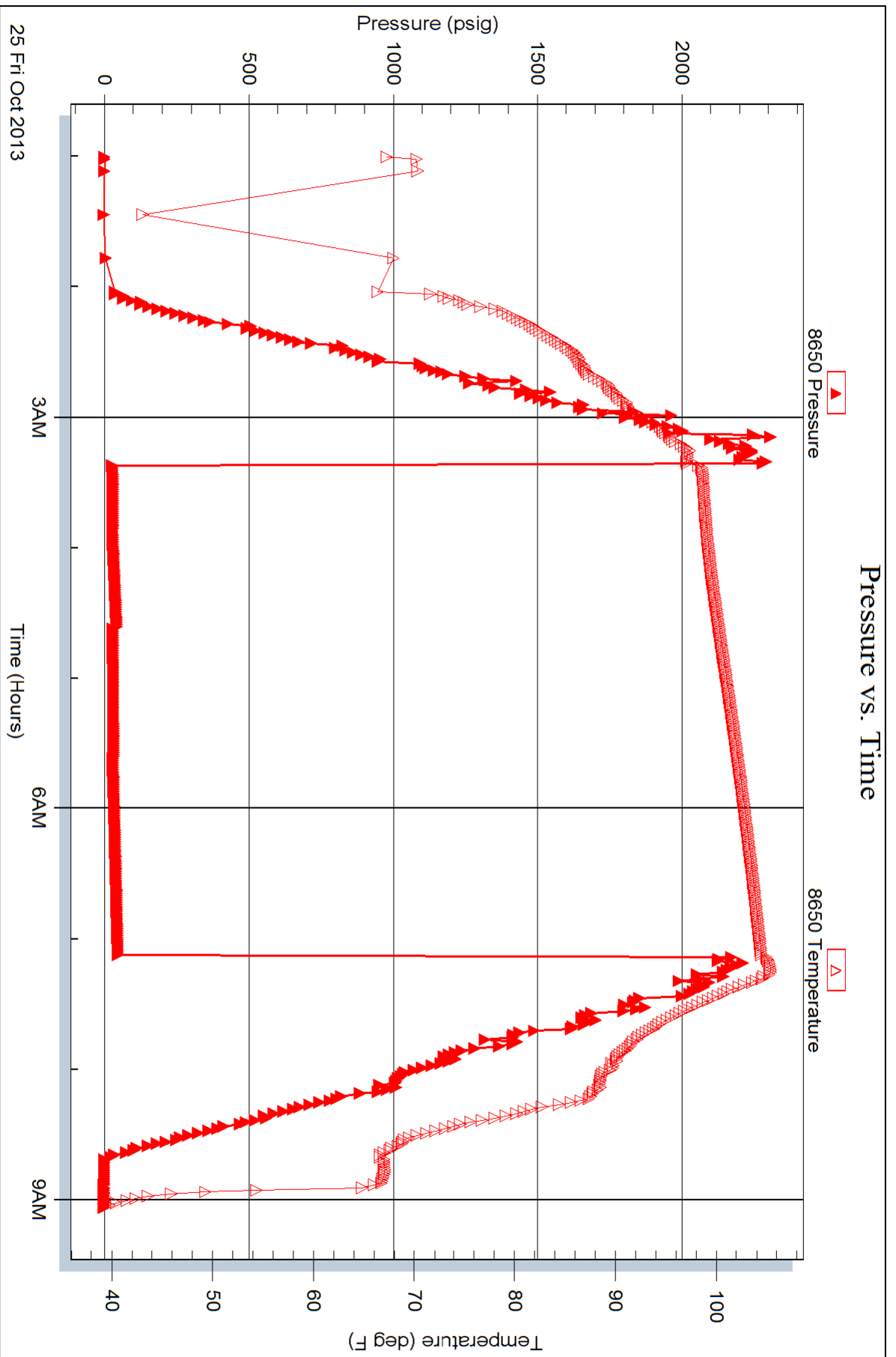
Serial #:

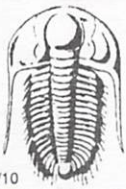
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52364

Well Name & No. SIMONS FARMS II 1-12 Test No. 1 Date 10-21-13
 Company EAGLE CREEK CORP. Elevation 3176 KB 3109 GL
 Address 8100 E. 22ND ST. N. BLDG. 1500, STE A, WICHITA KS. 67226
 Co. Rep / Geo. BOB O'DELL Rig VAL RIG #4
 Location: Sec. 12 Twp. 17S Rge. 35W Co. WICHITA State KS

Interval Tested 4247~4310' Zone Tested LAW. H-I
 Anchor Length 63' Drill Pipe Run 4252' Mud Wt. 9.0
 Top Packer Depth 4242' Drill Collars Run 0 Vis 57
 Bottom Packer Depth 4247' Wt. Pipe Run 0 WL 7.2cc
 Total Depth 4310' Chlorides 8000 ppm System LCM 1#
 Blow Description IF: Weak blow. 1/4-1/2". IS: No blow.

FE: Weak blow. (surface) Dead in 30 mins. FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>30</u>	<u>WM w/ oil specs.</u>			<u>12</u>	<u>88</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 104° Gravity N/A API RW .56 @ 62 °F Chlorides 13,700 ppm
 (A) Initial Hydrostatic 2103 Test 1250 T-On Location 2201
 (B) First Initial Flow 19 Jars 250 T-Started 2327
 (C) First Final Flow 24 Safety Joint 75 T-Open 0207
 (D) Initial Shut-In 1103 Circ Sub _____ T-Pulled 0454
 (E) Second Initial Flow 25 Hourly Standby _____ T-Out 0715
 (F) Second Final Flow 30 Mileage 37.5 FROM IRAIT 48 FROM SCOTT CITY Comments _____
 (G) Final Shut-In 1084 Sampler _____
 (H) Final Hydrostatic 2071 Straddle _____

Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 30 Sub Total 0
 Initial Shut-In 45 Total 1649.40
 Final Flow 30 MP/DST Disc't _____
 Final Shut-In 60 Sub Total 1649.40

Approved By _____ Our Representative Gary P...

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52365

Well Name & No. SIMONS FARMS #1-12 Test No. 2 Date 10-22-13
 Company EAGLE CREEK CORP. Elevation 3176 KB 3169 GL
 Address 8100 E. 22ND ST. N. BLDG. 1500, STE. A, WICHITA KS. 67220
 Co. Rep / Geo. BOB O'DELL Rig VAL R26 #4
 Location: Sec. 12 Twp. 17S Rge. 35W Co. WICHITA State KS.

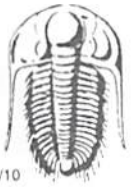
Interval Tested 4318 ~ 4330' Zone Tested LANS. 3
 Anchor Length 12' Drill Pipe Run 4314' Mud Wt. 9.0
 Top Packer Depth 4313' Drill Collars Run 0 Vis 48
 Bottom Packer Depth 4318' Wt. Pipe Run 0 WL 10.0cc
 Total Depth 4330' Chlorides 8000 ppm System LCM 2#

Blow Description IF: Weak to fair blow. Increase to 5".
ESI: No blow.
FF: Weak to fair blow. Increase to 7". ESI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Feet of Clean oil (Heavy)</u>				
<u>90</u>	<u>Feet of MW w a few specs</u>		<u>83</u>	<u>17</u>	
<u>185</u>	<u>Feet of SW</u>				

Rec Total 276 fluid BHT 114° Gravity N/A API RW 14 @ 54 °F Chlorides 74,000 ppm
 (A) Initial Hydrostatic 2175 Test 1250 T-On Location 1435
 (B) First Initial Flow 20 Jars 250 T-Started 1439
 (C) First Final Flow 60 Safety Joint 75 T-Open 1705
 (D) Initial Shut-In 1230 Circ Sub T-Pulled 2048
 (E) Second Initial Flow 62 Hourly Standby T-Out 2337
 (F) Second Final Flow 142 Mileage 481 74.40 *Comments INIGHT MODEL
 (G) Final Shut-In 1230 Sampler (NO RECEIPT) DIRECT BILL
 (H) Final Hydrostatic 2050 Straddle FROM SCOTT CITY
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Initial Open 30
 Initial Shut-In 45
 Final Flow 60
 Final Shut-In 90
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1649.40 Total 1649.40
 MP/DST Disc't

Approved By _____ Our Representative Craig Revolutary
 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. 52986

Well Name & No. Simons Farms # 1-12 Test No. 3 Date 10/23/13 10/24/13
 Company Eagle Creek Corp. Elevation 3176 KB 3169 GL _____
 Address 8100 E 22nd St No. Bldg. 1500, Ste. A Wichita KS, 67226
 Co. Rep / Geo. Dave Callewaert Rig Val Energy Rig 4
 Location: Sec. 12 Twp. 17S Rge. 35W Co. Wichita, Co. State KS

Interval Tested 4510 - 4540 Zone Tested Marmaton
 Anchor Length 30 Drill Pipe Run 4504.55 Mud Wt. 9.0
 Top Packer Depth 4506 Drill Collars Run _____ Vis 53
 Bottom Packer Depth 4510 Wt. Pipe Run _____ WL 8.0
 Total Depth 4540 Chlorides 9,000 ppm System LCM 2#
 Blow Description Packer Failure

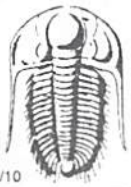
Rec	Feet of	%gas	%oil	%water	%mud
<u>3276</u>	<u>Mud</u>			<u>100</u>	
_____	_____				
_____	_____				
_____	_____				
_____	_____				

Rec Total 3276 BHT 102 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2347 Test 1050 T-On Location 23:30
 (B) First Initial Flow _____ Jars _____ T-Started 01:00
 (C) First Final Flow _____ Safety Joint _____ T-Open Packer
 (D) Initial Shut-In _____ Circ Sub Used 50 T-Pulled _____
 (E) Second Initial Flow _____ Hourly Standby _____ T-Out Failure
 (F) Second Final Flow _____ Mileage 50 BT 77.50 Comments _____
 (G) Final Shut-In _____ Sampler _____
 (H) Final Hydrostatic 2,330 Straddle _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer 320
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1497.50
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1177.50

Approved By _____ Our Representative _____

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. 52987

Well Name & No. Simons Farms #1-12 Test No. 4 Date 10/24/13
 Company Eagle Creek Corp. Elevation 3176 KB 3129 GL
 Address 8100 E 22nd St N. Bldg. 1500, STE. A, Wichita KS, 67226
 Co. Rep / Geo. Dave Callewaert Rig Nat Energy Rig 4
 Location: Sec. 12 Twp. 17s Rge. 35w Co. Wichita Co. State KS

Interval Tested 4448-4540 Zone Tested Marmaton
 Anchor Length 92 Drill Pipe Run 4441.29 Mud Wt. 9.0
 Top Packer Depth 4444 Drill Collars Run _____ Vis 53
 Bottom Packer Depth 4448 Wt. Pipe Run _____ WL 8.0
 Total Depth 4540 Chlorides 9,000 ppm System LCM 2#

Blow Description B.O.B. in 14 min.
Bled off for 5 min. No return below

B.O.B. in 17 min.
Bled off for 5 min. Built to 4 1/2" return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	<u>282 Feet Gas In Pipe</u>				
<u>219</u>	<u>gco</u>	<u>20%</u>	<u>80%</u>		
<u>252</u>	<u>gcom</u>	<u>20%</u>	<u>20%</u>		<u>60%</u>
<u>63</u>	<u>agwm</u>	<u>15%</u>	<u>5%</u>	<u>20%</u>	<u>60%</u>

Rec Total 534 BHT 111 Gravity 33 API RW 38 @ 65 °F Chlorides 30,000 ppm

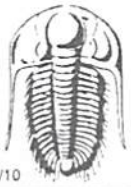
(A) Initial Hydrostatic 2,354 Test 1250 T-On Location 06:00
 (B) First Initial Flow 30 Jars _____ T-Started 06:35
 (C) First Final Flow 127 Safety Joint _____ T-Open 09:06
 (D) Initial Shut-In 1,224 Circ Sub N/C T-Pulled 12:52
 (E) Second Initial Flow 126 Hourly Standby _____ T-Out 15:44
 (F) Second Final Flow 242 Mileage 50 RT 77.50
 (G) Final Shut-In 1,180 Sampler _____
 (H) Final Hydrostatic 2,158 Straddle _____

Initial Open 30 Shale Packer _____
 Initial Shut-In 45 Shale Packer _____
 Final Flow 60 Extra Packer _____
 Final Shut-In 90 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1327.50

Sub Total 0
 Total 1327.50
 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52988

Well Name & No. Simons Farms # 1-12 Test No. 5 Date 10/24/13 10/25/13
 Company Eagle Creek Corp. Elevation 3176 KB 3169 GL
 Address 8100 E 22nd N. Bldg 1500, STE A Wichita KS, 67226
 Co. Rep / Geo. Dave Callawaert Rig Val Energy Rig 4
 Location: Sec. 12 Twp. 17s Rge. 35w Co. Wichita Co. State KS

Interval Tested 4546 - 4566 Zone Tested Marmaton
 Anchor Length 20 Drill Pipe Run 4536 Mud Wt. 9.3
 Top Packer Depth 4542 Drill Collars Run _____ Vis 100
 Bottom Packer Depth 4546 Wt. Pipe Run _____ WL 10.0
 Total Depth 4566 Chlorides 8,500 ppm System LCM 2 #

Blow Description Built to 2" below
no return below
No below
No return below

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>Mud with oil spots</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 45 BHT 104 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2,289 Test 1250 T-On Location 23:35
 (B) First Initial Flow 30 Jars _____ T-Started 01:00
 (C) First Final Flow 33 Safety Joint _____ T-Open 03:21
 (D) Initial Shut-In 46 Circ Sub N/C T-Pulled 07:06
 (E) Second Initial Flow 32 Hourly Standby _____ T-Out 09:04
 (F) Second Final Flow 34 Mileage 50 BT x 2 155 Comments Loaded tool @
 (G) Final Shut-In 50 Sampler _____ 09:25 on 10/26/13
 (H) Final Hydrostatic 2,141 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____
 Initial Shut-In 46 Extra Recorder _____
 Final Flow 60 Day Standby _____
 Final Shut-In 90 Accessibility _____
 Sub Total 1405

Approved By _____ Our Representative [Signature]

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