



## DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corporation**

8100 E 22nd. St  
North BLDG 1500 Suite A  
Wichita KS 67226

ATTN: Wes Hansen

### **Barnhart #2-17**

#### **17-17s-34w Scott,KS**

Start Date: 2014.11.23 @ 07:31:15

End Date: 2014.11.23 @ 14:44:00

Job Ticket #: 59220                      DST #: 1

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

Printed: 2014.11.28 @ 14:36:26



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Eagle Creek Corporation  
 8100 E 22nd. St  
 North BLDG 1500 Suite A  
 Wichita KS 67226  
 ATTN: Wes Hansen

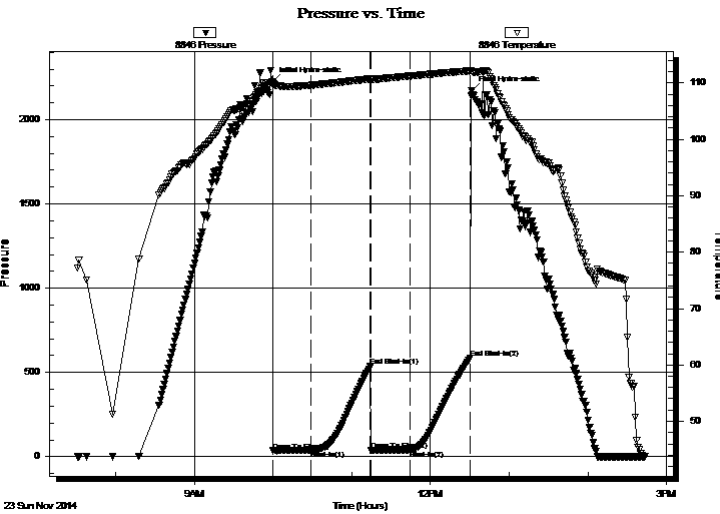
**17-17s-34w Scott,KS**  
**Barnhart #2-17**  
 Job Ticket: 59220 **DST#: 1**  
 Test Start: 2014.11.23 @ 07:31:15

## GENERAL INFORMATION:

Formation: **Marmaton**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 10:00:00  
 Time Test Ended: 14:44:00  
 Interval: **4398.00 ft (KB) To 4456.00 ft (KB) (TVD)**  
 Total Depth: 4456.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Mike Roberts  
 Unit No: 65  
 Reference Elevations: 3070.00 ft (KB)  
 3061.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8846 Inside**  
 Press@RunDepth: 40.45 psig @ 4403.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.11.23 End Date: 2014.11.23 Last Calib.: 2014.11.23  
 Start Time: 07:31:15 End Time: 14:44:00 Time On Btm: 2014.11.23 @ 09:59:45  
 Time Off Btm: 2014.11.23 @ 12:31:30

TEST COMMENT: IF: Built to weak surface blow  
 IS: No return blow  
 FF: No blow  
 FS: No return blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2223.47	110.24	Initial Hydro-static
1	35.12	109.66	Open To Flow (1)
30	38.62	109.61	Shut-In(1)
75	535.02	110.72	End Shut-In(1)
75	38.16	110.56	Open To Flow (2)
105	40.45	111.23	Shut-In(2)
151	584.86	112.16	End Shut-In(2)
152	2174.28	112.08	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.01

## Gas Rates

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



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8100 E 22nd. St  
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Wichita KS 67226  
ATTN: Wes Hansen

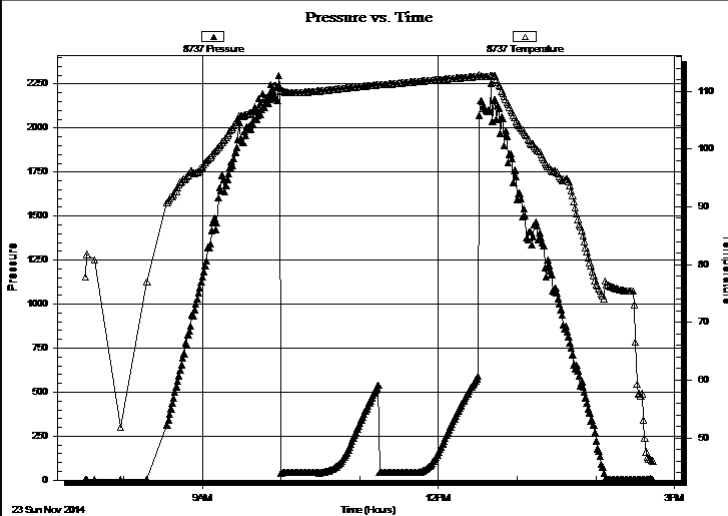
**17-17s-34w Scott, KS**  
**Barnhart #2-17**  
Job Ticket: 59220      **DST#: 1**  
Test Start: 2014.11.23 @ 07:31:15

### GENERAL INFORMATION:

Formation: <b>Marmaton</b>	
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 10:00:00	Tester: Mike Roberts
Time Test Ended: 14:44:00	Unit No: 65
<b>Interval: 4398.00 ft (KB) To 4456.00 ft (KB) (TVD)</b>	Reference Elevations: 3070.00 ft (KB)
Total Depth: 4456.00 ft (KB) (TVD)	3061.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair	KB to GR/CF: 9.00 ft

**Serial #: 8737 Outside**  
Press@RunDepth: psig @ 4403.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.11.23      End Date: 2014.11.23      Last Calib.: 2014.11.23  
Start Time: 07:31:15      End Time: 14:44:00      Time On Btm:  
Time Off Btm:

TEST COMMENT: IF: Built to weak surface blow  
IS: No return blow  
FF: No blow  
FS: No return blow



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
2.00	mud 100% m	0.01

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Eagle Creek Corporation

**17-17s-34w Scott,KS**

8100 E 22nd. St  
North BLDG 1500 Suite A  
Wichita KS 67226  
ATTN: Wes Hansen

**Barnhart #2-17**

Job Ticket: 59220

**DST#: 1**

Test Start: 2014.11.23 @ 07:31:15

## Tool Information

Drill Pipe:	Length: 4320.00 ft	Diameter: 3.80 inches	Volume: 60.60 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: 25000.00 lb
Drill Collar:	Length: 58.00 ft	Diameter: 2.25 inches	Volume: 0.29 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 60.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4398.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	86.00 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			4371.00	
Shut In Tool	5.00			4376.00	
Hydraulic tool	5.00			4381.00	
Jars	5.00			4386.00	
Safety Joint	3.00			4389.00	
Packer	5.00			4394.00	28.00 Bottom Of Top Packer
Packer	4.00			4398.00	
Stubb	1.00			4399.00	
Perforations	4.00			4403.00	
Recorder	0.00	8846	Inside	4403.00	
Recorder	0.00	8737	Outside	4403.00	
Change Over Sub	1.00			4404.00	
Blank Spacing	31.00			4435.00	
Change Over Sub	1.00			4436.00	
Perforations	15.00			4451.00	
Bullnose	5.00			4456.00	58.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>86.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Eagle Creek Corporation

**17-17s-34w Scott,KS**

8100 E 22nd. St  
North BLDG 1500 Suite A  
Wichita KS 67226  
ATTN: Wes Hansen

**Barnhart #2-17**

Job Ticket: 59220

**DST#: 1**

Test Start: 2014.11.23 @ 07:31:15

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100%m	0.010

Total Length: 2.00 ft      Total Volume: 0.010 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

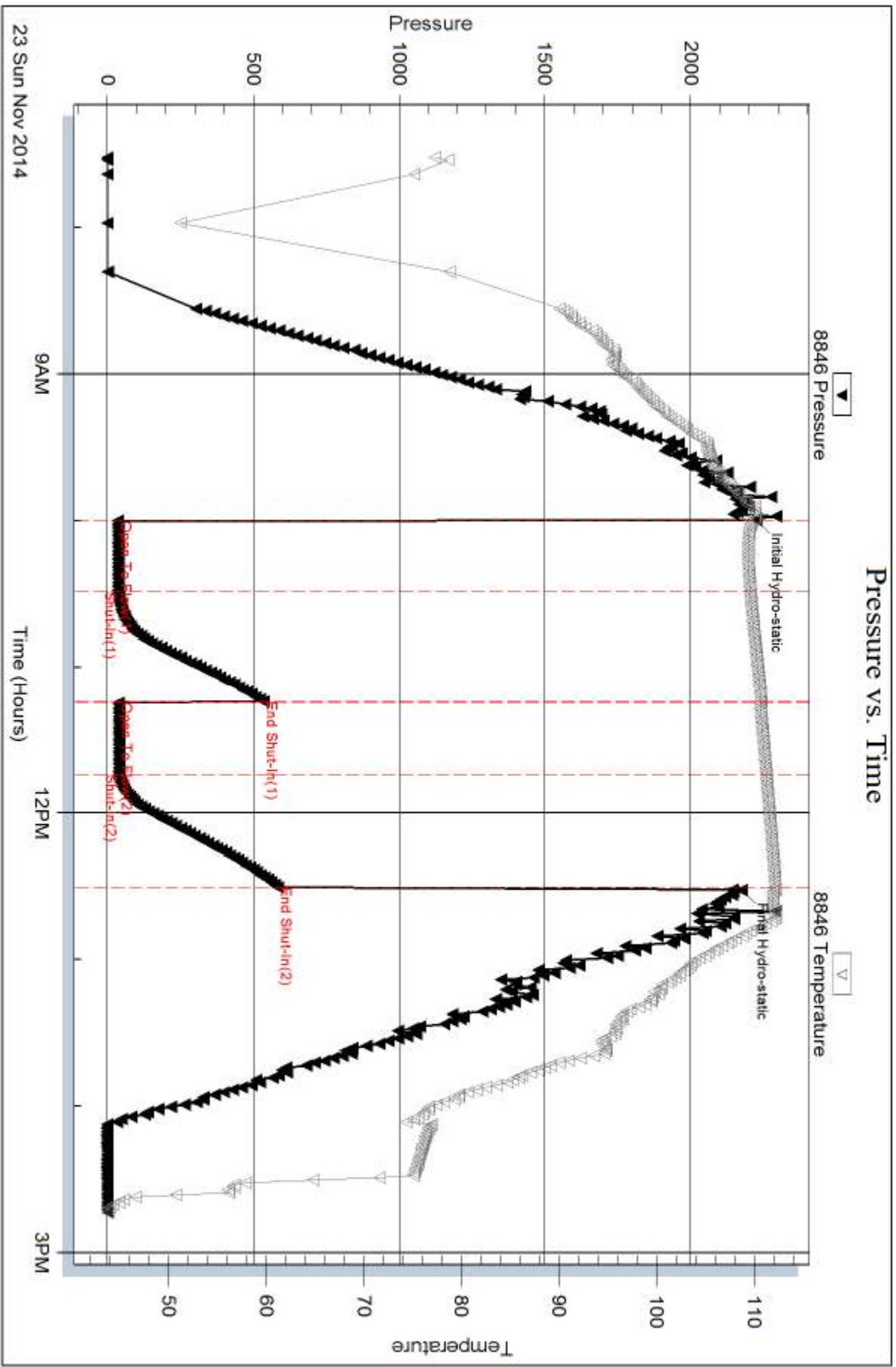
Serial #: 8846

Inside

Eagle Creek Corporation

Barnhart #2-17

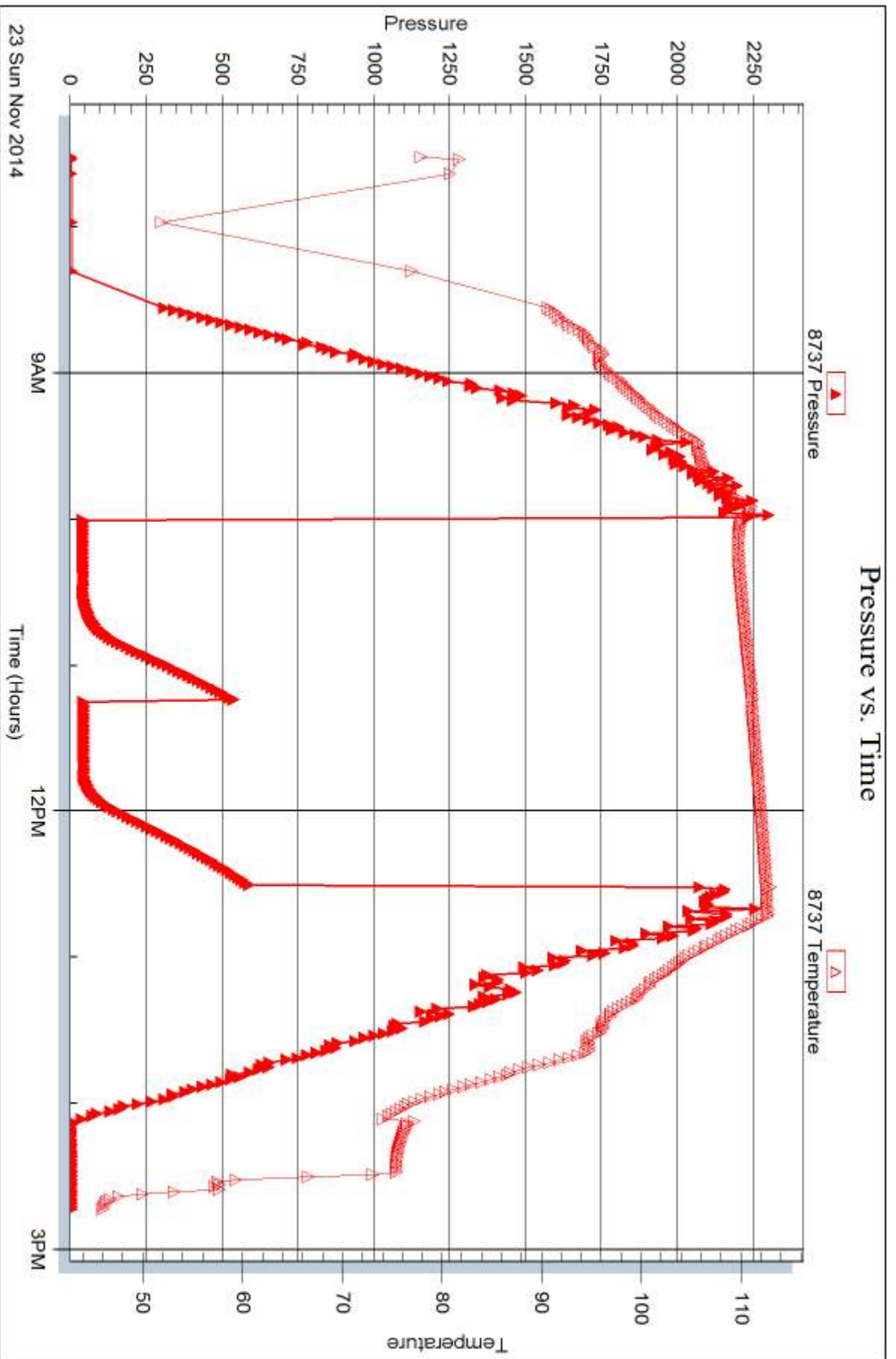
DST Test Number: 1



Tribble Testing, Inc

Ref. No: 59220

Printed: 2014, 11, 28 @ 14:36:27





## DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corporation**

8100 E 22nd. St  
North BLDG 1500 Suite A  
Wichita KS 67226

ATTN: Wes Hansen

### **Barnhart #2-17**

#### **17-17s-34w Scott,KS**

Start Date: 2014.11.26 @ 05:34:00

End Date: 2014.11.26 @ 15:10:55

Job Ticket #: 58719                      DST #: 2

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

Printed: 2014.11.28 @ 14:35:33





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Eagle Creek Corporation  
 8100 E 22nd. St  
 North BLDG 1500 Suite A  
 Wichita KS 67226  
 ATTN: Wes Hansen

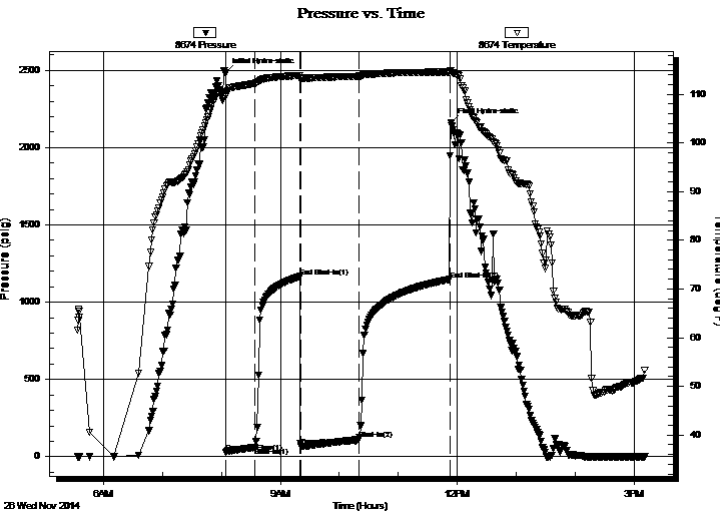
**17-17s-34w Scott,KS**  
**Barnhart #2-17**  
 Job Ticket: 58719 **DST#: 2**  
 Test Start: 2014.11.26 @ 05:34:00

## GENERAL INFORMATION:

Formation: **Pawnee**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 08:04:55  
 Time Test Ended: 15:10:55  
 Interval: **4494.00 ft (KB) To 4530.00 ft (KB) (TVD)**  
 Total Depth: 4978.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Straddle (Reset)  
 Tester: Will MacLean  
 Unit No: 71  
 Reference Elevations: 3070.00 ft (KB)  
 3061.00 ft (CF)  
 KB to GR/CF: 9.00 ft

**Serial #: 8674 Inside**  
 Press@RunDepth: 111.14 psig @ 4495.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.11.26 End Date: 2014.11.26 Last Calib.: 2014.11.26  
 Start Time: 05:34:00 End Time: 15:10:55 Time On Btm: 2014.11.26 @ 08:04:40  
 Time Off Btm: 2014.11.26 @ 11:53:24

**TEST COMMENT:** IF- Surface Blow Built to BOB in 14 3/4 min  
 IS- Weak Surface Blow in 2 min built to 4 1/2"  
 FF- Surface Blow Built to BOB in 15 min  
 FS- Weak Surface Blow in 45 sec Built to 6"



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2485.55	110.61	Initial Hydro-static
1	27.76	109.79	Open To Flow (1)
30	60.01	112.18	Shut-In(1)
76	1165.76	113.82	End Shut-In(1)
77	66.49	113.33	Open To Flow (2)
136	111.14	113.68	Shut-In(2)
228	1146.49	114.53	End Shut-In(2)
229	2159.13	114.79	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	WOGCM 3%w 19%oil 30%g 48%m	0.61
63.00	GMCO 25%g 32%m 43%oil	0.88
63.00	MGCO 3%m 37%g 60%oil	0.88
83.00	MGCO 8%m 19%g 73%oil	1.16
0.00	736' of GIP	0.00

\* Recovery from multiple tests

## Gas Rates

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



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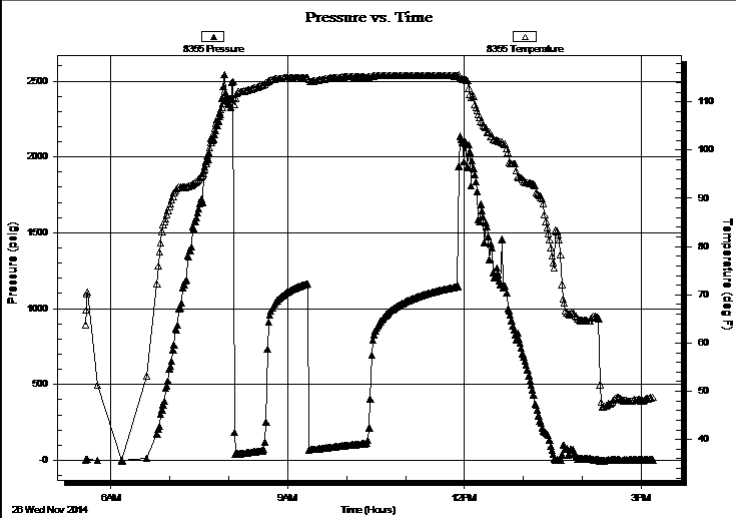
**17-17s-34w Scott,KS**  
**Barnhart #2-17**  
 Job Ticket: 58719 **DST#: 2**  
 Test Start: 2014.11.26 @ 05:34:00

## GENERAL INFORMATION:

Formation: **Pawnee**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 08:04:55 Tester: Will MacLean  
 Time Test Ended: 15:10:55 Unit No: 71  
 Interval: **4494.00 ft (KB) To 4530.00 ft (KB) (TVD)** Reference Elevations: 3070.00 ft (KB)  
 Total Depth: 4978.00 ft (KB) (TVD) 3061.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

**Serial #: 8355 Outside**  
 Press@RunDepth: psig @ 4495.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.11.26 End Date: 2014.11.26 Last Calib.: 2014.11.26  
 Start Time: 05:34:05 End Time: 15:12:45 Time On Btm:  
 Time Off Btm:

**TEST COMMENT:** IF- Surface Blow Built to BOB in 14 3/4 min  
 IS- Weak Surface Blow in 2 min built to 4 1/2"  
 FF- Surface Blow Built to BOB in 15 min  
 FS- Weak Surface Blow in 45 sec Built to 6"



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

Recovery		
Length (ft)	Description	Volume (bbl)
63.00	WOGCM 3%w 19%oil 30%g 48%m	0.61
63.00	GMCO 25%g 32%m 43%oil	0.88
63.00	MGCO 3%m 37%g 60%oil	0.88
83.00	MGCO 8%m 19%g 73%oil	1.16
0.00	736' of GIP	0.00

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

\* Recovery from multiple tests



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# DRILL STEM TEST REPORT

Eagle Creek Corporation  
 8100 E 22nd. St  
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 ATTN: Wes Hansen

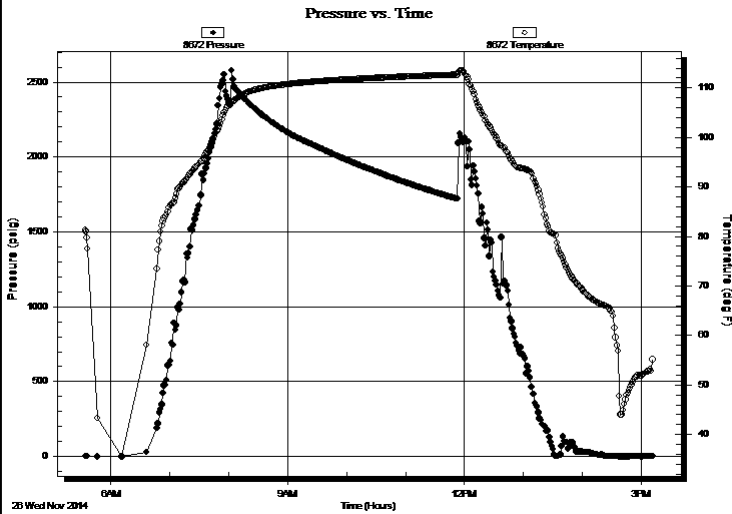
**17-17s-34w Scott,KS**  
**Barnhart #2-17**  
 Job Ticket: 58719 **DST#: 2**  
 Test Start: 2014.11.26 @ 05:34:00

## GENERAL INFORMATION:

Formation: **Pawnee**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Straddle (Reset)  
 Time Tool Opened: 08:04:55 Tester: Will MacLean  
 Time Test Ended: 15:10:55 Unit No: 71  
 Interval: **4494.00 ft (KB) To 4530.00 ft (KB) (TVD)** Reference Elevations: 3070.00 ft (KB)  
 Total Depth: 4978.00 ft (KB) (TVD) 3061.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

**Serial #: 8672 Below (Straddle)**  
 Press@RunDepth: psig @ 4531.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.11.26 End Date: 2014.11.26 Last Calib.: 2014.11.26  
 Start Time: 05:34:05 End Time: 15:12:45 Time On Btm:  
 Time Off Btm:

TEST COMMENT: IF- Surface Blow Built to BOB in 14 3/4 min  
 IS- Weak Surface Blow in 2 min built to 4 1/2"  
 FF- Surface Blow Built to BOB in 15 min  
 FS- Weak Surface Blow in 45 sec Built to 6"



## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
63.00	WOGCM 3%w 19%oil 30%g 48%m	0.61
63.00	GMCO 25%g 32%m 43%oil	0.88
63.00	MGCO 3%m 37%g 60%oil	0.88
83.00	MGCO 8%m 19%g 73%oil	1.16
0.00	736' of GIP	0.00

\* 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 Corporation

**17-17s-34w Scott,KS**

8100 E 22nd. St  
North BLDG 1500 Suite A  
Wichita KS 67226  
ATTN: Wes Hansen

**Barnhart #2-17**

Job Ticket: 58719

**DST#: 2**

Test Start: 2014.11.26 @ 05:34:00

## Tool Information

Drill Pipe:	Length: 4448.00 ft	Diameter: 3.80 inches	Volume: 62.39 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 16000.00 lb
			<u>Total Volume: 62.54 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4494.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	4530.00 ft			
Interval between Packers:	36.00 ft			
Tool Length:	512.00 ft			
Number of Packers:	3	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			4467.00	
Shut In Tool	5.00			4472.00	
Hydraulic tool	5.00			4477.00	
Jars	5.00			4482.00	
Safety Joint	3.00			4485.00	
Packer	5.00			4490.00	28.00 Bottom Of Top Packer
Packer	4.00			4494.00	
Stubb	1.00			4495.00	
Recorder	0.00	8355	Outside	4495.00	
Recorder	0.00	8674	Inside	4495.00	
Perforations	31.00			4526.00	
Blank Off Sub	1.00			4527.00	
Top of S Packer	3.00			4530.00	36.00 Tool Interval
Packer	0.00			4530.00	
Stubb	1.00			4531.00	
Recorder	0.00	8672	Below	4531.00	
Perforations	3.00			4534.00	
Change Over Sub	1.00			4535.00	
Drill Pipe	437.00			4972.00	
Change Over Sub	1.00			4973.00	
Bullnose	5.00			4978.00	448.00 Bottom Packers & Anchor

**Total Tool Length: 512.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Eagle Creek Corporation

**17-17s-34w Scott,KS**

8100 E 22nd. St  
North BLDG 1500 Suite A  
Wichita KS 67226  
ATTN: Wes Hansen

**Barnhart #2-17**

Job Ticket: 58719

**DST#: 2**

Test Start: 2014.11.26 @ 05:34:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 59.00 sec/qt  
Water Loss: 9.46 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 7500.00 ppm  
Filter Cake: 2.00 inches

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

Oil API: 22 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	WOGCM 3%w 19%oil 30%g 48%m	0.610
63.00	GMCO 25%g 32%m 43%oil	0.884
63.00	MGCO 3%m 37%g 60%oil	0.884
83.00	MGCO 8%m 19%g 73%oil	1.164
0.00	736' of GIP	0.000

Total Length: 272.00 ft      Total Volume: 3.542 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments: API is 21 @ 50f = 22

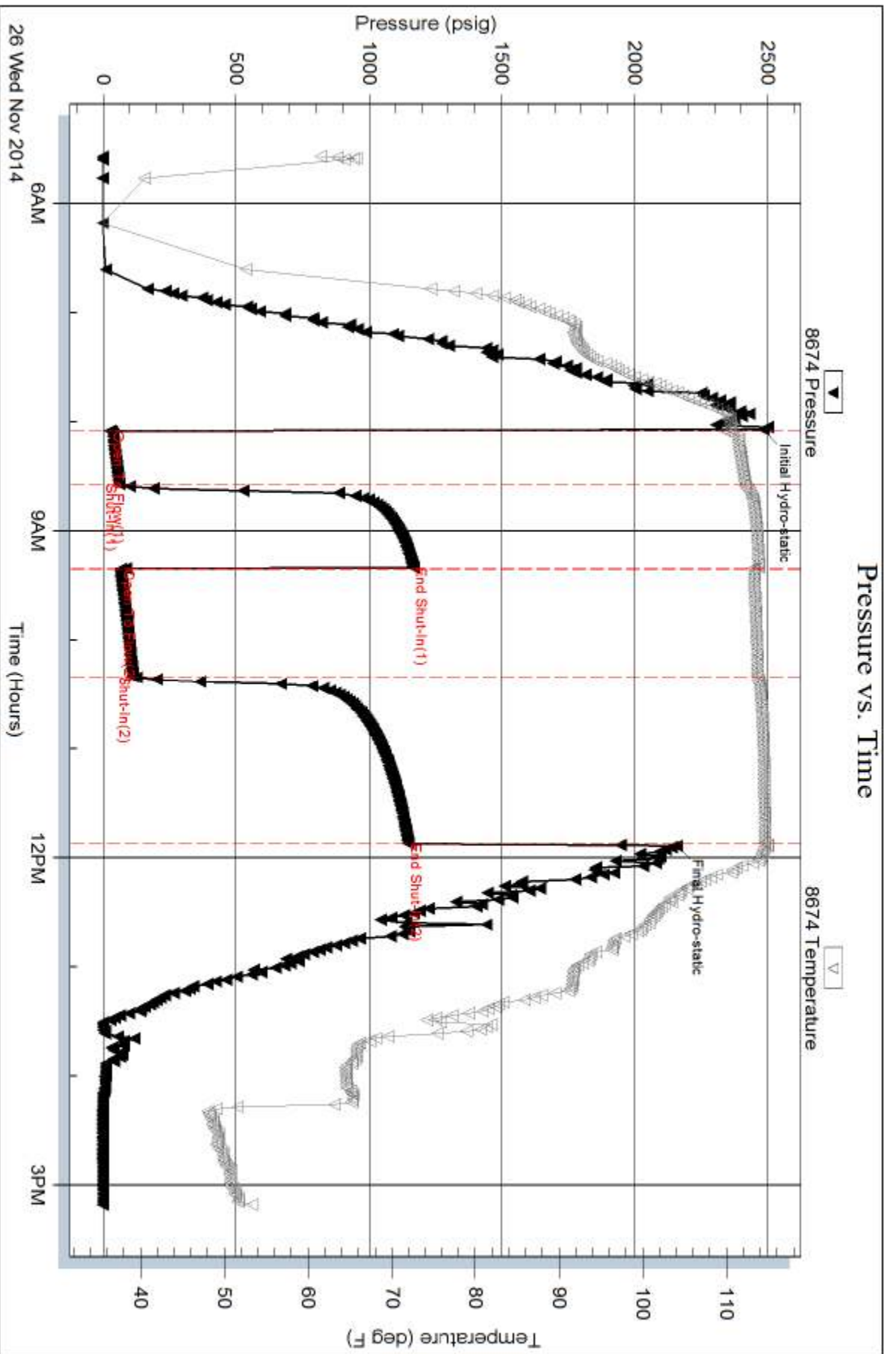
Serial #: 8674

Inside

Eagle Creek Corporation

Barnhart #2-17

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 58719

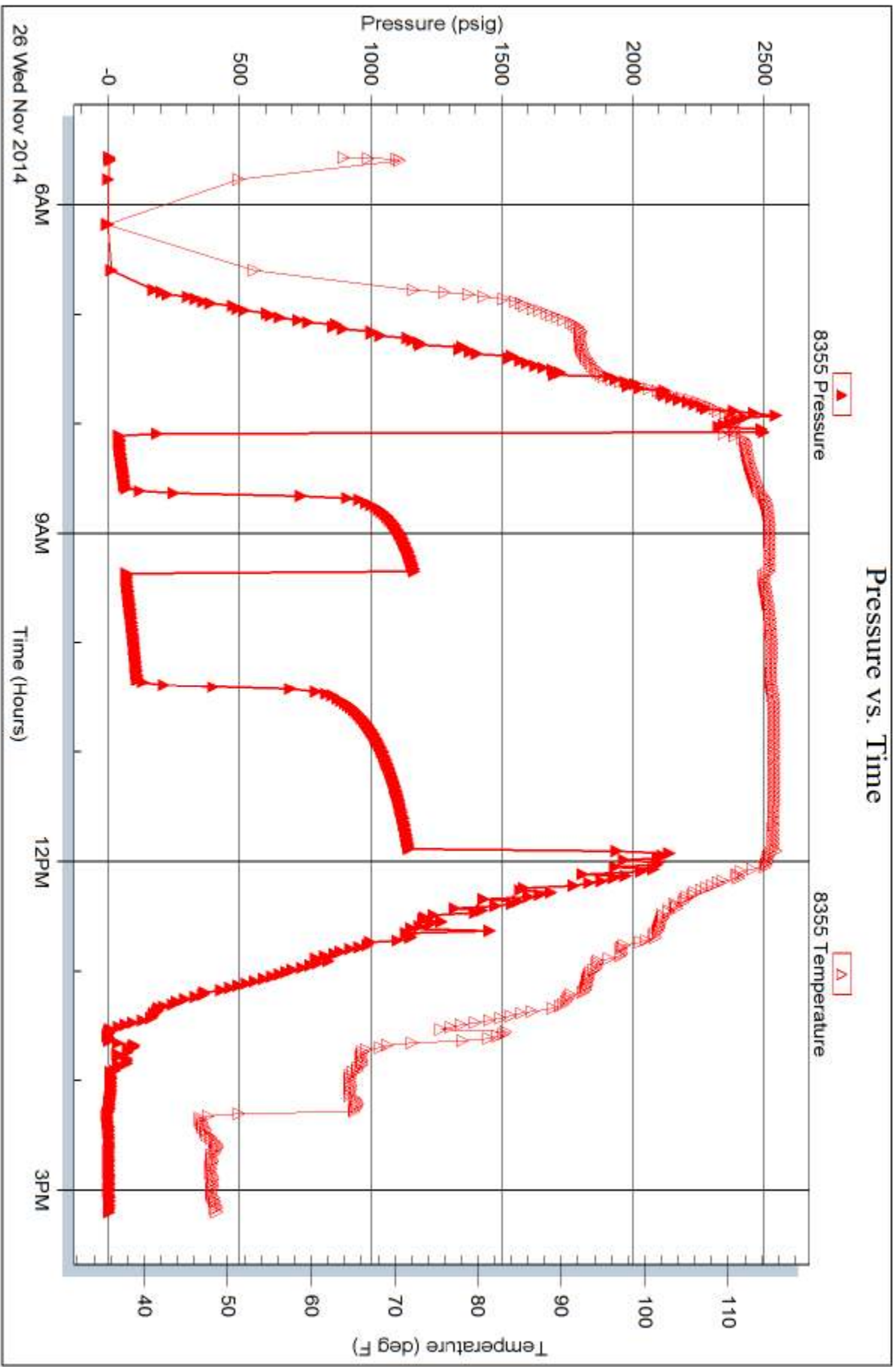
Printed: 2014.11.28 @ 14:35:34

Serial #: 8355

Outside Eagle Creek Corporation

Barnhart #2-17

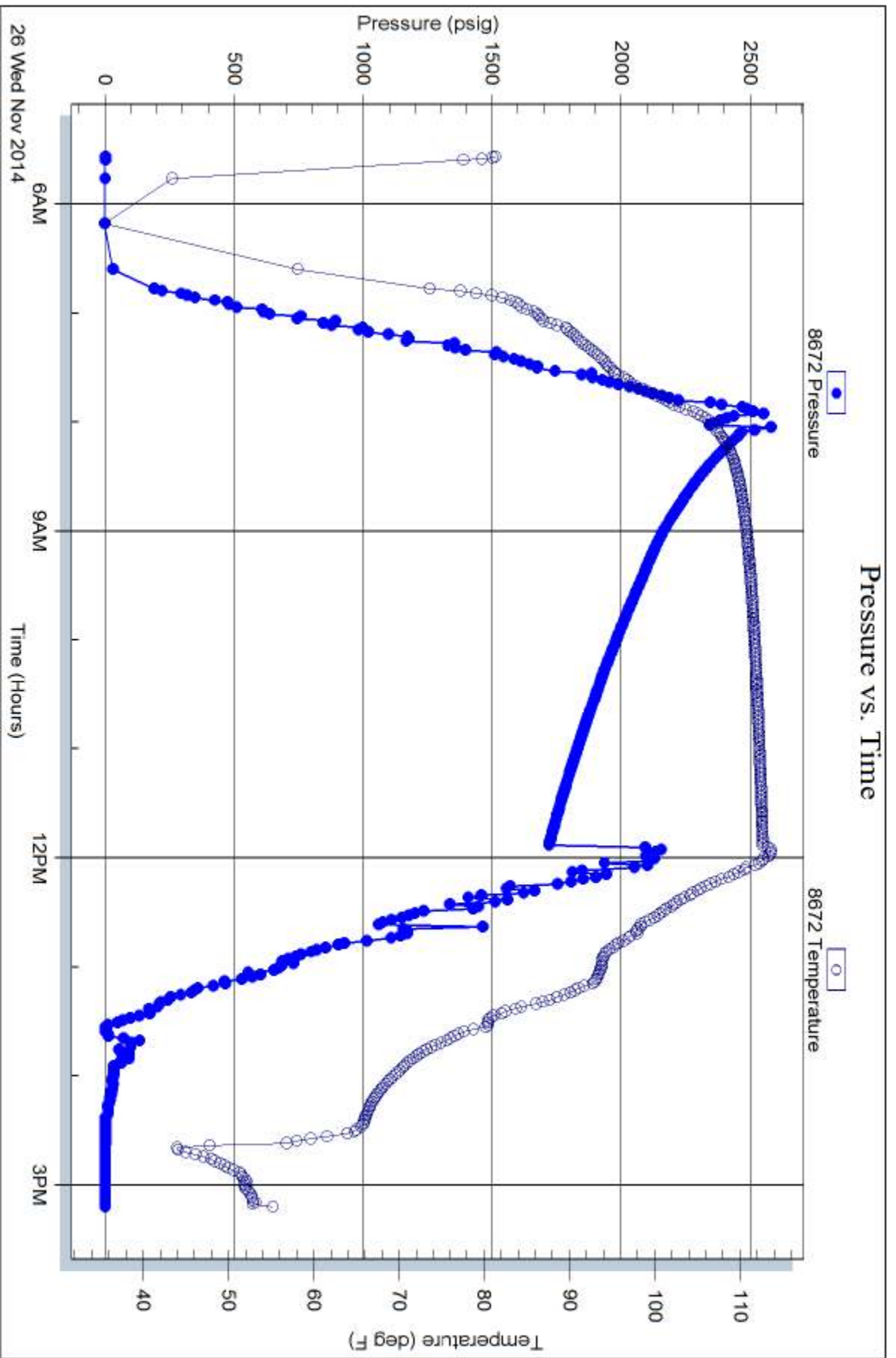
DST Test Number: 2



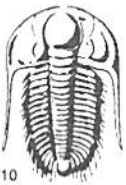
Trilobite Testing, Inc

Ref. No: 58719

Printed: 2014.11.28 @ 14:35:34







# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 59220

Well Name & No. Barnhart 2-17 Test No. 1 Date 11-23-14  
 Company Eagle Creek Corporation Elevation 3070 KB 3161 GL  
 Address 8100 E 22<sup>nd</sup> ST North BLDG 1500 ~~Suite~~ Suite A Wichita KS  
 Co. Rep / Geo. Wes Hansen Rig Val 4 67224  
 Location: Sec. 17 Twp. 17 Rge. 34W Co. SCOTT State KS

Interval Tested 4398-4456 Zone Tested Marmaton  
 Anchor Length 58 Drill Pipe Run 4320 Mud Wt. 9.2  
 Top Packer Depth 4393 Drill Collars Run 58 Vis 48  
 Bottom Packer Depth 4398 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4456 Chlorides 4300 ppm System LCM 1

Blow Description IF: Built to Weak Surface Blow  
IS: No Return Blow  
FF: No Blow  
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>2</u>	<u>MUD</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	Feet of	%gas	%oil	%water	%mud

Rec Total 2 BHT 110 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2223  
 (B) First Initial Flow 35  
 (C) First Final Flow 38  
 (D) Initial Shut-In 535  
 (E) Second Initial Flow 38  
 (F) Second Final Flow 40  
 (G) Final Shut-In 584  
 (H) Final Hydrostatic 2174

Test 1250.00  
 Jars 250.00  
 Safety Joint 75.00  
 Circ Sub NL  
 Hourly Standby 2 HRS 1.25h 1.25h  
 Mileage 44 RT 68.20  
 Sampler Mileage X 2 68.20  
 Straddle  
 Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby 1.5d 9.25h  
 Accessibility 1836.40  
 Sub Total \$1643.20

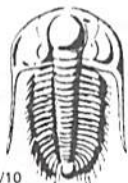
T-On Location 04:10  
 T-Started 07:31  
 T-Open 09:58  
 T-Pulled 12:28  
 T-Out 14:44  
 Comments Time on Bank 5:30  
Got on Bank 7:30  
Loaded 12:00 11:25  
 Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total 800  
 Total 2636.40  
 MP/DST Disc't

Initial Open 30  
 Initial Shut-In 45  
 Final Flow 30  
 Final Shut-In 45

Approved By Wesley Hansen Our Representative Mike Robert

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. 58719

Well Name & No. Burnhart #2-17 Test No. DST#2 Date 10-26-14  
 Company Eagle Creek Corporation Elevation \_\_\_\_\_ KB \_\_\_\_\_ GL \_\_\_\_\_  
 Address 8100 E. 22nd St. North BLDG 1500 Suite A Wichita KS 67226  
 Co. Rep / Geo. Wes Hansen Rig Val #4  
 Location: Sec. 17 Twp. 17s Rge. \_\_\_\_\_ Co. Scott State KS

Interval Tested 4494 - 4530 Zone Tested Pawnee  
 Anchor Length 36 Drill Pipe Run 4448 Mud Wt. 9.4  
 Top Packer Depth 4494 Drill Collars Run 30 Vis 59  
 Bottom Packer Depth 4530 Wt. Pipe Run 0 WL 9.5  
 Total Depth 4978 LTD Chlorides 7500 ppm System LCM 116

Blow Description IF - Surface Blow Built to BOB in 14 3/4 min  
ISI - Weak Surface Blow in 2 min built to 4 1/2"  
FF - Surface Blow Built to BOB in 15 min  
FSI - Weak Surface Blow in 45 sec Built to 6"

Rec	Feet of	%gas	%oil	%water	%mud
83	MCO	19	73	8	
63	MCO	37	60	3	
63	G-MCO	25	43	32	
63	WOG-CM	30	19	3	48
	1736' of GIP				

Rec Total 272 BHT 114 Gravity 22 API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 2485  Test 1250 T-On Location 4:10  
 (B) First Initial Flow 27  Jars 250 T-Started 5:34  
 (C) First Final Flow 60  Safety Joint 75 T-Open 8:04  
 (D) Initial Shut-In 1165  Circ Sub NIC T-Pulled 11:53  
 (E) Second Initial Flow 66  Hourly Standby \_\_\_\_\_ T-Out 15:10  
 (F) Second Final Flow 111  Mileage 40 RIT 68.20 Comments \_\_\_\_\_  
 (G) Final Shut-In 1146  Sampler \_\_\_\_\_ API is 21 @ sof = 22  
 (H) Final Hydrostatic 2159  Straddle 600  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Initial Open 30  Extra Recorder \_\_\_\_\_ Sub Total 0  
 Initial Shut-In 45  Day Standby \_\_\_\_\_ Total 2243.20  
 Final Flow 60  Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Final Shut-In 90 Sub Total 2243.20

Approved By Wesley Hansen Our Representative [Signature]

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