



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1164407
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1164407

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

261475

TICKET NUMBER 38041
LOCATION Oakley KS
FOREMAN Miles Shaw
Welded in Well

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

US

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-16-13	2776	Barnhart trust #177	17	175	34W	Scott
CUSTOMER Eagle Creek			Dancel South to 215 2W			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			456718	Surdan L		
STATE			546	Corey D		
ZIP CODE			597129	Jeremy K/Stein		

JOB TYPE 2 Stage HOLE SIZE 7 7/8 HOLE DEPTH 4982' CASING SIZE & WEIGHT 5 1/2" 15.5 #
CASING DEPTH 4982.94 DRILL PIPE _____ TUBING _____ OTHER Du tool @ 2411
SLURRY WEIGHT 14.4/D.S SLURRY VOL 1.42/1.19 WATER gal/sk _____ CEMENT LEFT in CASING 10.59
DISPLACEMENT 121 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting and rig up on Val drilling #4 float equipment
Centralizers on joints #1, 5, 8, 11, 14, 71 Baskets on joints Du tool top of joint @
2411' Run casing to bottom circulate casing 1hr. Pump 5bbls water mud
Flush 5bbls water mix 165 SWS OWC with 5# Kolsal Shutdown clear pump
lines Release plug displace 60 bbls water 2 bbls mud 400 psi lift Plug land 1300 psi
and hold Drop dart open tool 1000 psi. Circulate casing 2 min pump 5bbls water
mix 345 SWS 60/40 per 88 gal 4# closed down casing shut down clear pump lines
Release plug displace 58 bbls water with 200 psi lift plug land & hold @ 1800 psi
mix 305 SWS RH 205 SWS m#

Thanks Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3175. ⁰⁰	3175. ⁰⁰
5406	45	MILEAGE	5.25	236.25
5407A	25.6 ton	Ton Mileage delivery	1.75	2016. ⁰⁰
1126	165 SWS	OWC	23.70	3910.50
1110A	825 #	Kolsal	156	462. ⁰⁰
1131	415 SWS	60/40 per cement	15.86	6581.90
1118B	2855 #	Bentonite gel	.27	770.85
1107	103 #	Flu seal	2.97	305.91
1144G	500 gal	Mud flush	1.00	500. ⁰⁰
4159	1	5 1/2" Float Shoe AF6 W	433.75	433.75
4104	1	5 1/2" Basket	290. ⁰⁰	290. ⁰⁰
4130	6	5 1/2" Centralizers	61. ⁰⁰	366. ⁰⁰
4283	1	5 1/2" Du tool with latch down	4042.50	4042.50
			Subtotal	23090.66
			less 10% disc count	2309.07
			Subtotal	2078.59
			SALES TAX	1295.60
			ESTIMATED TOTAL	22077.19

completed

Ravin 3737

AUTHORIZATION [Signature] TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

261165

TICKET NUMBER 38064

LOCATION Oakley, Mo.

FOREMAN Darren Racette

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
8-5-13	2776	Barnhart Trust 1-17	17	17s	34w	Scott	
CUSTOMER Eagle Creek		Pence S To 215 1 1/2 w int		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				463	Carey		
CITY		STATE		466	Daniel		
		ZIP CODE					

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 266 CASING SIZE & WEIGHT 8 5/8 24'
 CASING DEPTH 266 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14 8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20'
 DISPLACEMENT 15.67 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Softy Meeting Rigged upon Val #4 Hooked up To Circulate
mixed 180 sks Com 3% CC 2% Gel Displace with water
Shut in Washup Pump & Lines rigged Down

Cement Did Circulate

Thanks Darren & Crew

Approx 5 bbl To Pit

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	\$ 1150.00	\$ 1150.00 ✓
5406	45	MILEAGE	\$ 5.25	\$ 236.25 ✓
1104S	180 sks	Class "A" Cement	\$ 18.55	\$ 3339.00 ✓
1102	508 #	Calcium Chloride	\$ 0.94	\$ 476.58 ✓
1118B	338 #	Bentonite	\$ 0.27	\$ 91.26 ✓
5407A	8.46	Ton mileage delivery	\$ 1.75	\$ 666.45 ✓
			Sub Total	\$ 5959.54 ✓
			10% Less	\$ 595.95 ✓
			Sub Total	\$ 5363.59 ✓
			SALES TAX	286.57 ✓
			ESTIMATED TOTAL	5650.16 ✓

Job completed

Ravin 9737

AUTHORIZATION [Signature]

TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corporation**

150 N. Main STE 905
Wichita KS 67202

ATTN: Gary Gensch

Barnhart #1-17

17-17s-34w Scott,KS

Start Date: 2013.08.11 @ 22:30:15

End Date: 2013.08.12 @ 07:32:45

Job Ticket #: 53148 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.08.15 @ 08:41:20



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corporation
 150 N. Main STE 905
 Wichita KS 67202
 ATTN: Gary Gensch

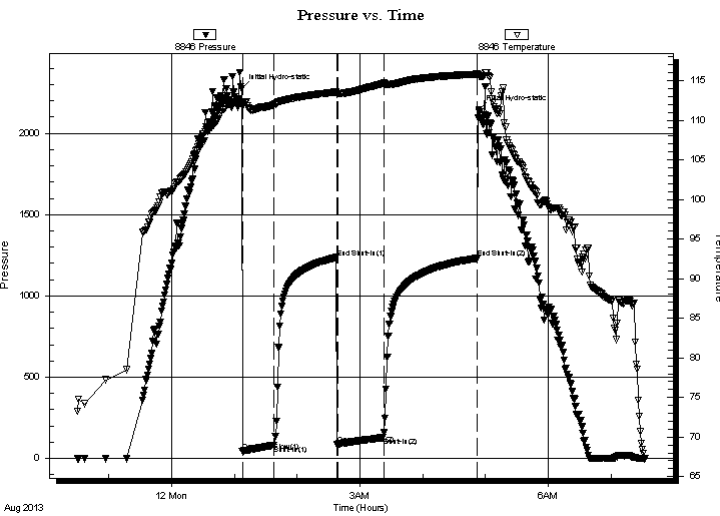
17-17s-34w Scott,KS
Barnhart #1-17
 Job Ticket: 53148 **DST#: 1**
 Test Start: 2013.08.11 @ 22:30:15

GENERAL INFORMATION:

Formation: **Marmaton A-B**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:07:45
 Time Test Ended: 07:32:45
 Interval: **4468.00 ft (KB) To 4525.00 ft (KB) (TVD)**
 Total Depth: 4425.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 3139.00 ft (KB)
 3129.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8846 Outside
 Press @ Run Depth: 129.13 psig @ 4505.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.11 End Date: 2013.08.12 Last Calib.: 2013.08.12
 Start Time: 22:30:15 End Time: 07:32:45 Time On Btm: 2013.08.12 @ 01:07:15
 Time Off Btm: 2013.08.12 @ 04:53:45

TEST COMMENT: IF: BOB 14 min.
 IS: Return blow built to 1/8"
 FF: BOB 11 min.
 FS: Return blow built to 1/4"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2275.08	112.09	Initial Hydro-static
1	41.74	111.72	Open To Flow (1)
31	80.23	111.94	Shut-In(1)
91	1236.69	113.55	End Shut-In(1)
92	86.87	113.35	Open To Flow (2)
136	129.13	114.65	Shut-In(2)
225	1231.84	115.81	End Shut-In(2)
227	2147.79	115.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	gcom 10%g 10%o 80%m	0.60
62.00	gcom 10%g 20%o 70%m	0.87
154.00	gco 40%g 60%o	2.16
0.00	GIP= 216	0.00

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

150 N. Main STE 905
Wichita KS 67202

Barnhart #1-17

Job Ticket: 53148

DST#: 1

ATTN: Gary Gensch

Test Start: 2013.08.11 @ 22:30:15

Tool Information

Drill Pipe:	Length: 4443.00 ft	Diameter: 3.80 inches	Volume: 62.32 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	80000.00 lb
			<u>Total Volume: 62.47 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	68000.00 lb
Depth to Top Packer:	4468.00 ft			Final	71000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	57.00 ft				
Tool Length:	77.00 ft				
Number of Packers:	2	Diameter: 7.88 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4449.00	
Shut In Tool	5.00			4454.00	
Hydraulic tool	5.00			4459.00	
Packer	5.00			4464.00	20.00 Bottom Of Top Packer
Packer	4.00			4468.00	
Stubb	1.00			4469.00	
Perforations	2.00			4471.00	
Change Over Sub	1.00			4472.00	
Drill Pipe	32.00			4504.00	
Change Over Sub	1.00			4505.00	
Recorder	0.00	8737	Inside	4505.00	
Recorder	0.00	8846	Outside	4505.00	
Perforations	15.00			4520.00	
Bullnose	5.00			4525.00	57.00 Bottom Packers & Anchor

Total Tool Length: 77.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corporation

17-17s-34w Scott,KS

150 N. Main STE 905
Wichita KS 67202

Barnhart #1-17

Job Ticket: 53148

DST#: 1

ATTN: Gary Gensch

Test Start: 2013.08.11 @ 22:30:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.71 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 12000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	gcom 10%g 10%o 80%m	0.596
62.00	gcom 10%g 20%o 70%m	0.870
154.00	gco 40%g 60%o	2.160
0.00	GIP= 216	0.000

Total Length: 278.00 ft Total Volume: 3.626 bbl

Num Fluid Samples: 0

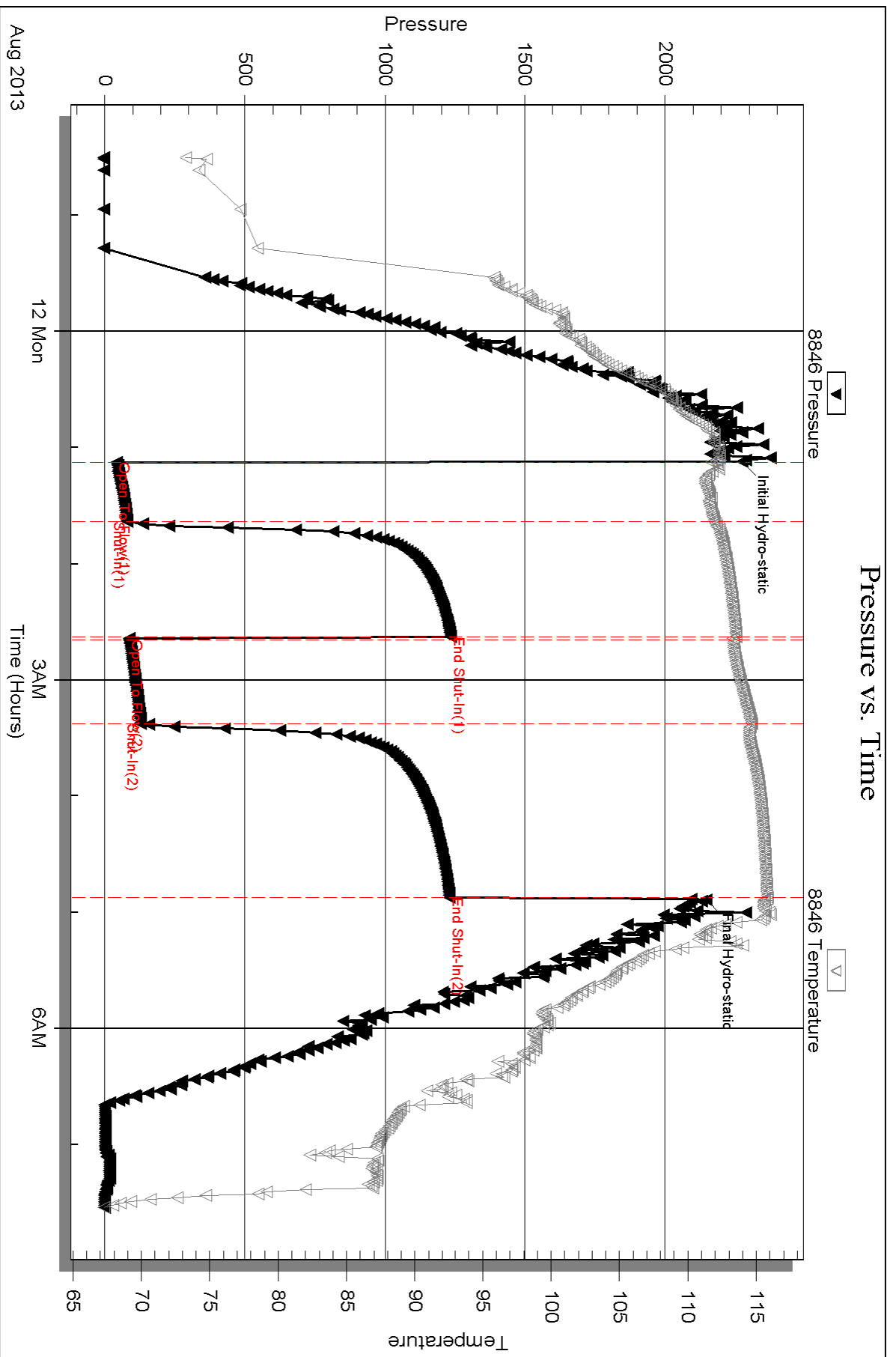
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 31 @90 corrected to 28@60



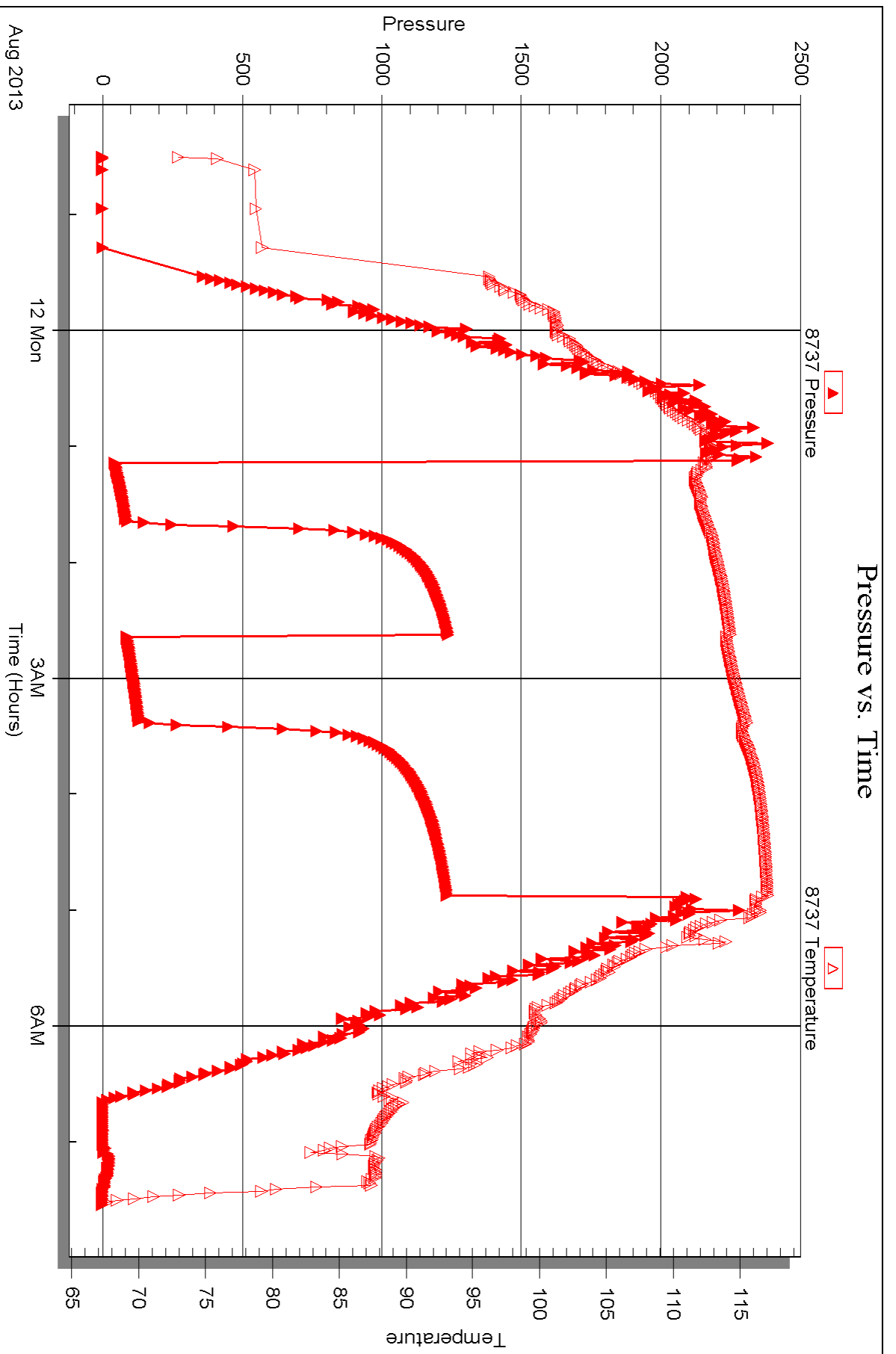
Serial #: 8737

Inside

Eagle Creek Corporation

Barnhart #1-17

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corporation**

150 N. Main STE 905
Wichita KS 67202

ATTN: Gary Gensch

Barnhart #1-17

17-17s-34w Scott,KS

Start Date: 2013.08.12 @ 16:34:15

End Date: 2013.08.12 @ 22:18:15

Job Ticket #: 53149 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.08.15 @ 08:40:45



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corporation
 150 N. Main STE 905
 Wichita KS 67202
 ATTN: Gary Gensch

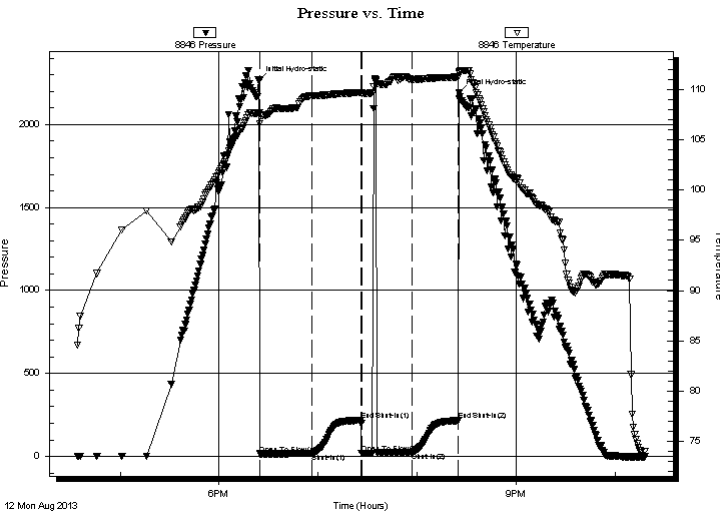
17-17s-34w Scott,KS
Barnhart #1-17
 Job Ticket: 53149 **DST#: 2**
 Test Start: 2013.08.12 @ 16:34:15

GENERAL INFORMATION:

Formation: **Marm C**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 18:24:30
 Time Test Ended: 22:18:15
 Interval: **4526.00 ft (KB) To 4545.00 ft (KB) (TVD)**
 Total Depth: 4545.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Mike Roberts
 Unit No: 65
 Reference Elevations: 3139.00 ft (KB)
 3129.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8846 Outside
 Press @ Run Depth: 24.34 psig @ 4527.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.08.12 End Date: 2013.08.12 Last Calib.: 2013.08.12
 Start Time: 16:34:15 End Time: 22:18:15 Time On Btm: 2013.08.12 @ 18:24:15
 Time Off Btm: 2013.08.12 @ 20:25:30

TEST COMMENT: IF: Built to 1/4" blow and died in 10 min.
 IS: No return blow
 FF: No blow --- flushed tool --- bubbled tw ice and died
 FS: No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2263.61	107.71	Initial Hydro-static
1	15.04	106.58	Open To Flow (1)
32	18.18	109.39	Shut-In(1)
62	217.60	109.72	End Shut-In(1)
62	19.48	109.64	Open To Flow (2)
93	24.34	110.98	Shut-In(2)
121	215.20	111.24	End Shut-In(2)
122	2189.07	111.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud w ith trace of oil	0.05

* 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

150 N. Main STE 905
Wichita KS 67202

Barnhart #1-17

Job Ticket: 53149

DST#: 2

ATTN: Gary Gensch

Test Start: 2013.08.12 @ 16:34:15

Tool Information

Drill Pipe:	Length: 4502.00 ft	Diameter: 3.80 inches	Volume: 63.15 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 63.30 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4526.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 7.88 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4507.00	
Shut In Tool	5.00			4512.00	
Hydraulic tool	5.00			4517.00	
Packer	5.00			4522.00	20.00 Bottom Of Top Packer
Packer	4.00			4526.00	
Stubb	1.00			4527.00	
Recorder	0.00	8737	Inside	4527.00	
Recorder	0.00	8846	Outside	4527.00	
Perforations	13.00			4540.00	
Bullnose	5.00			4545.00	19.00 Bottom Packers & Anchor
Total Tool Length:	39.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corporation

17-17s-34w Scott,KS

150 N. Main STE 905
Wichita KS 67202

Barnhart #1-17

Job Ticket: 53149

DST#: 2

ATTN: Gary Gensch

Test Start: 2013.08.12 @ 16:34:15

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: 11.93 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 12000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud w ith trace of oil	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

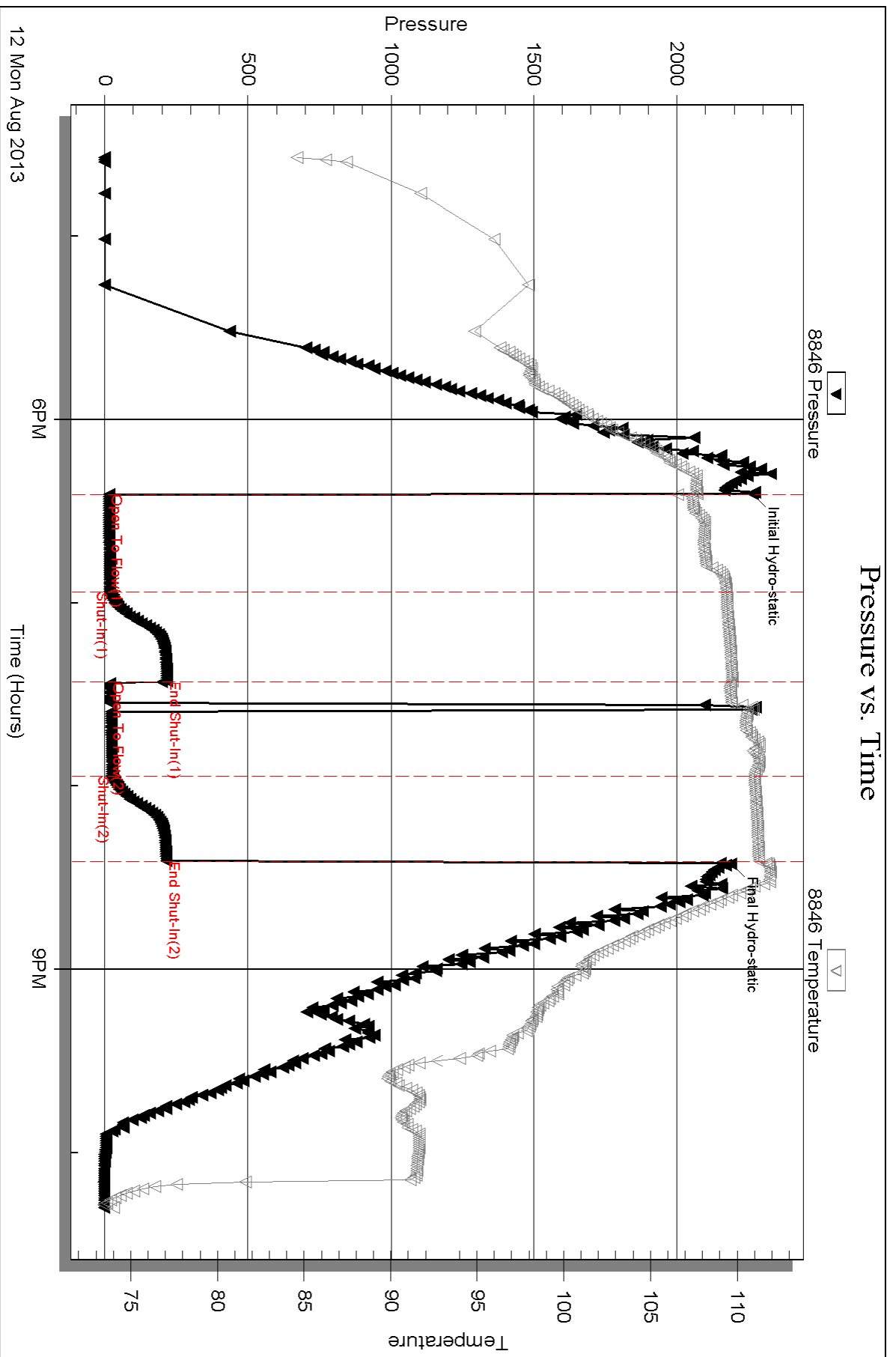
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



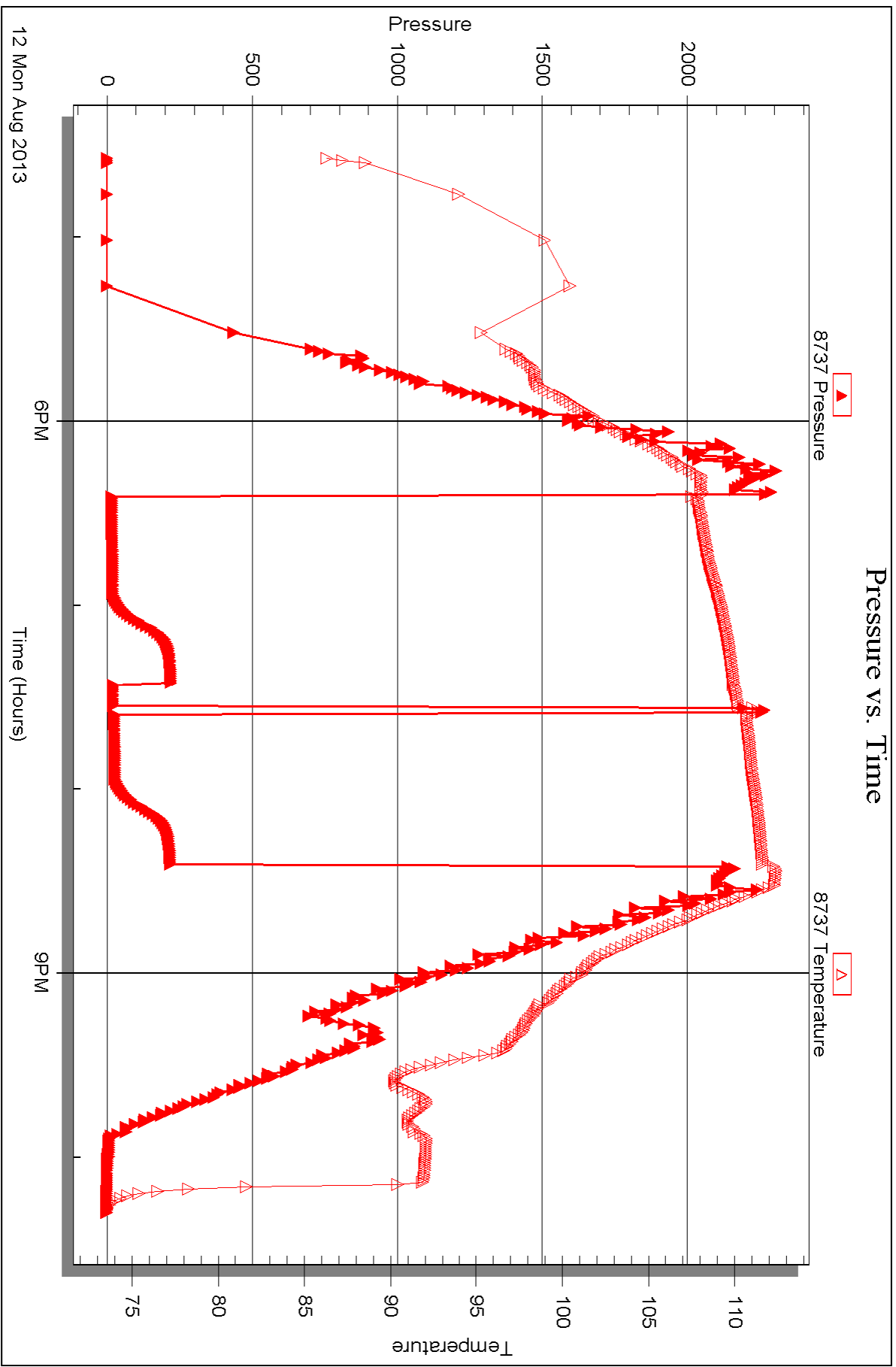
Serial #: 8737

Inside

Eagle Creek Corporation

Barnhart #1-17

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Eagle Creek Corporation**

150 N. Main STE 905
Wichita KS 67202

ATTN: Gary Gensch

Barnhart #1-17

17-17s-34w Scott,KS

Start Date: 2013.08.13 @ 16:57:15

End Date: 2013.08.13 @ 23:36:00

Job Ticket #: 52901 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.08.15 @ 08:40:02

Eagle Creek Corporation

17-17s-34w Scott,KS

Barnhart #1-17

DST # 3

Marn D-Cherokee

2013.08.13



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corporation

17-17s-34w Scott,KS

150 N. Main STE 905
Wichita KS 67202

Barnhart #1-17

Job Ticket: 52901

DST#: 3

ATTN: Gary Gensch

Test Start: 2013.08.13 @ 16:57:15

GENERAL INFORMATION:

Formation: **Marm D-Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:11:30

Time Test Ended: 23:36:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Mike Roberts

Unit No: 65

Interval: **4561.00 ft (KB) To 4653.00 ft (KB) (TVD)**

Reference Elevations: 3139.00 ft (KB)

Total Depth: 4653.00 ft (KB) (TVD)

3129.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8846 Outside

Press @ Run Depth: 53.50 psig @ 4638.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.08.13

End Date:

2013.08.13

Last Calib.:

2013.08.13

Start Time: 16:57:15

End Time:

23:36:00

Time On Btm:

2013.08.13 @ 19:11:15

Time Off Btm:

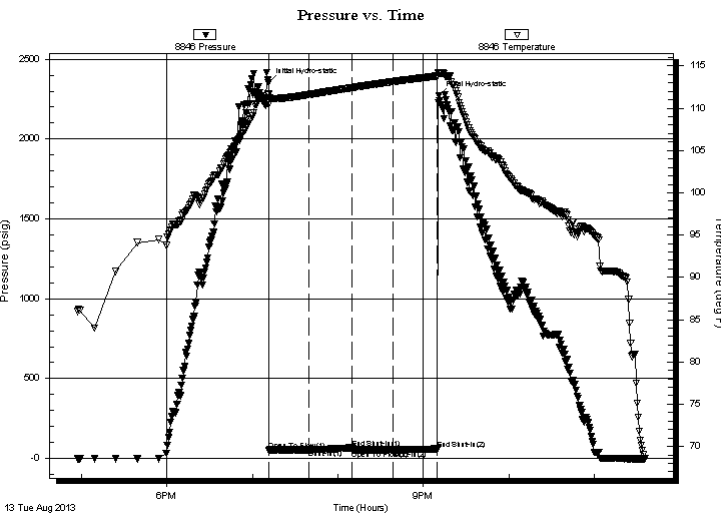
2013.08.13 @ 21:11:00

TEST COMMENT: IF:Weak surface blow died in 5 min.

IS:No return blow

FF:No blow

FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2355.07	111.67	Initial Hydro-static
1	52.57	110.39	Open To Flow (1)
29	53.87	111.60	Shut-In(1)
59	66.21	112.43	End Shut-In(1)
59	53.49	112.43	Open To Flow (2)
88	53.50	113.15	Shut-In(2)
119	59.91	113.81	End Shut-In(2)
120	2272.21	114.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil spots	0.02

* 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

150 N. Main STE 905
Wichita KS 67202

Barnhart #1-17

Job Ticket: 52901

DST#: 3

ATTN: Gary Gensch

Test Start: 2013.08.13 @ 16:57:15

Tool Information

Drill Pipe:	Length: 4535.00 ft	Diameter: 3.80 inches	Volume: 63.61 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4561.00 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: 7.88 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4542.00	
Shut In Tool	5.00			4547.00	
Hydraulic tool	5.00			4552.00	
Packer	5.00			4557.00	20.00 Bottom Of Top Packer
Packer	4.00			4561.00	
Stubb	1.00			4562.00	
Perforations	11.00			4573.00	
Change Over Sub	1.00			4574.00	
Drill Pipe	63.00			4637.00	
Change Over Sub	1.00			4638.00	
Recorder	0.00	8737	Inside	4638.00	
Recorder	0.00	8846	Outside	4638.00	
Perforations	10.00			4648.00	
Bullnose	5.00			4653.00	92.00 Bottom Packers & Anchor

Total Tool Length: 112.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corporation

17-17s-34w Scott,KS

150 N. Main STE 905
Wichita KS 67202

Barnhart #1-17

Job Ticket: 52901

DST#: 3

ATTN: Gary Gensch

Test Start: 2013.08.13 @ 16:57:15

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: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.37 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith oil spots	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

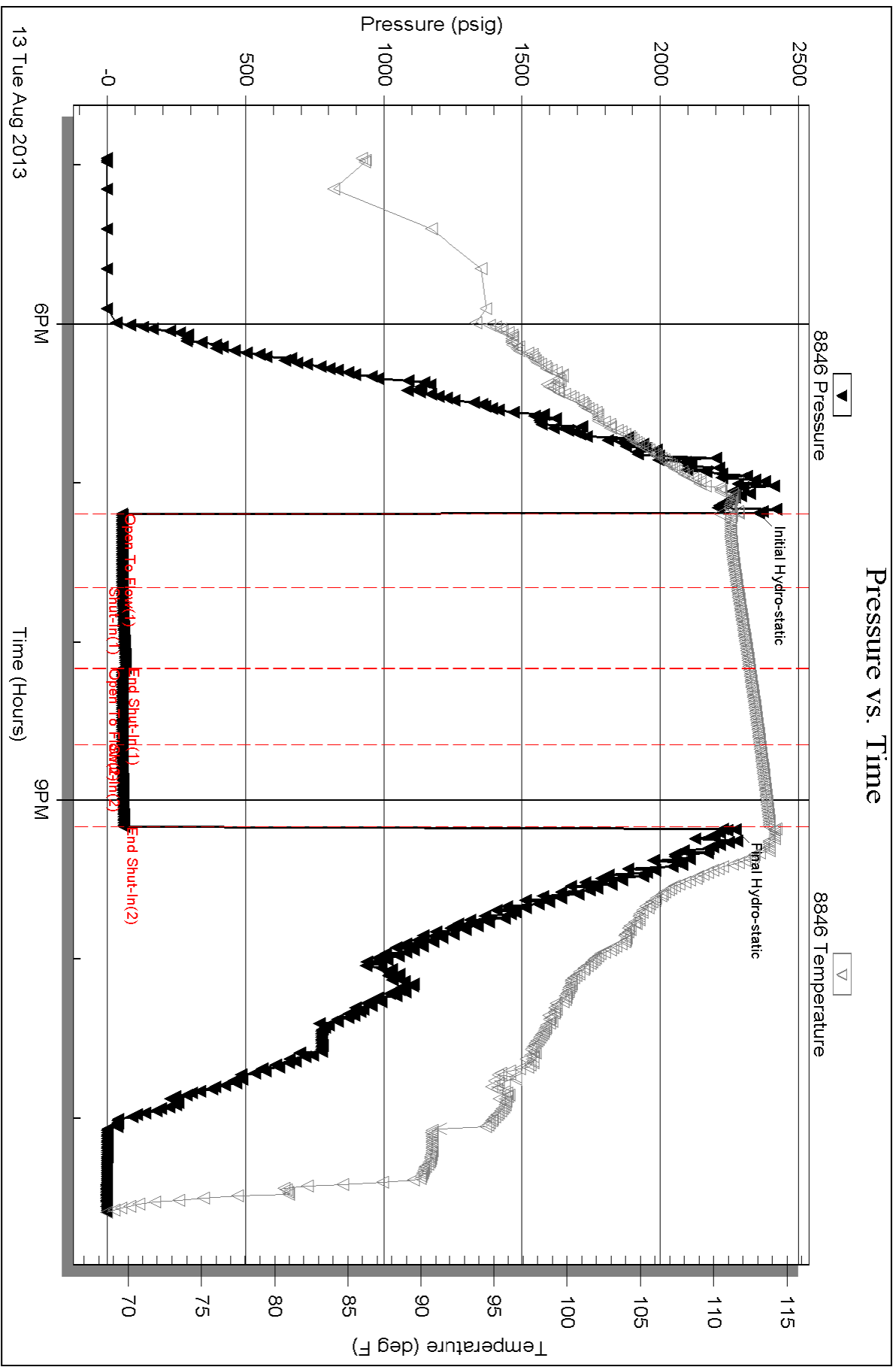
Recovery Comments:

Serial #: 8846

Outside Eagle Creek Corporation

Barnhart #1-17

DST Test Number: 3



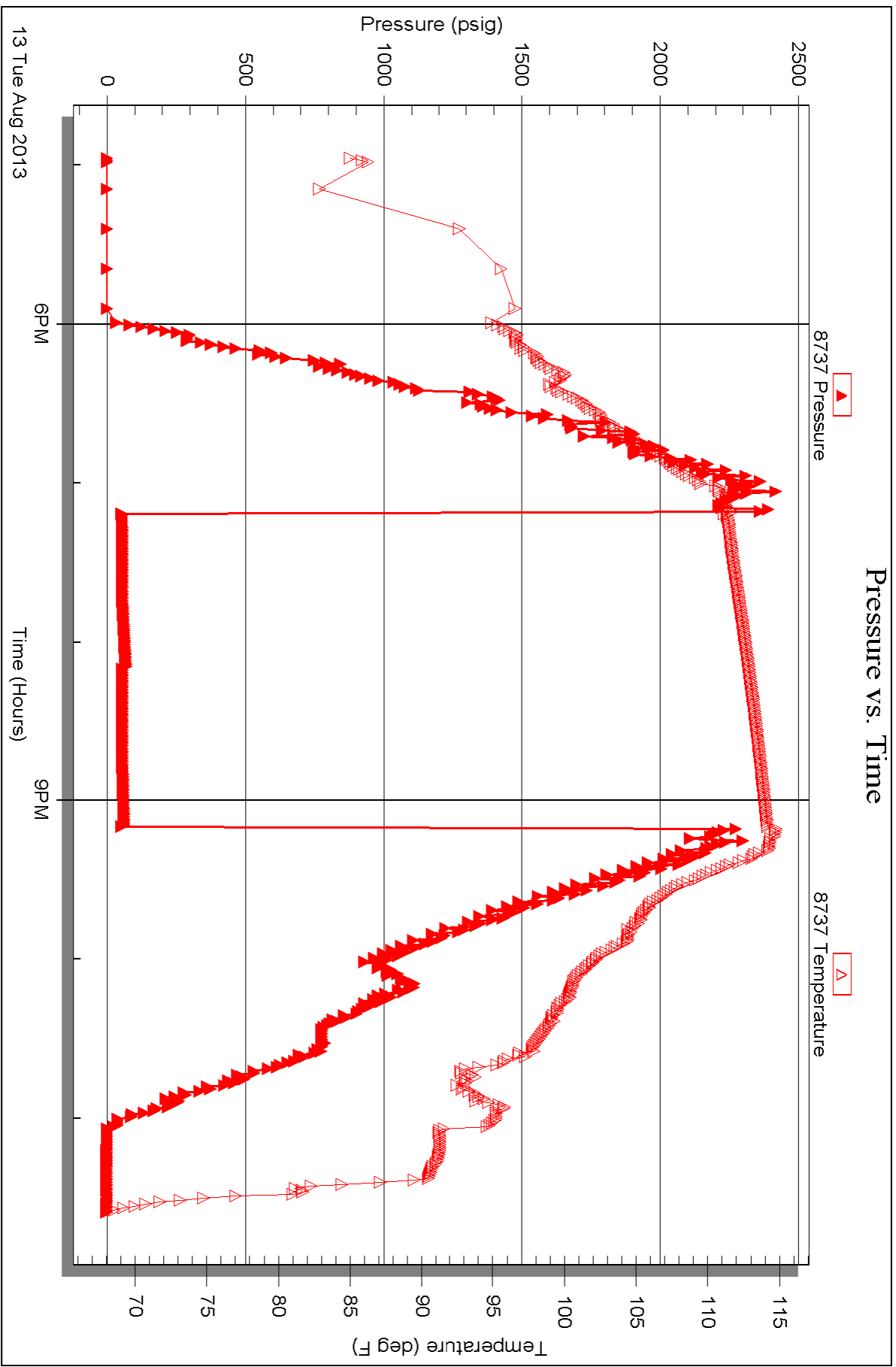
Serial #: 8737

Inside

Eagle Creek Corporation

Barnhart #1-17

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 53148

Well Name & No. Barnhart Trust #1-17 Test No. 1 Date 8-11-13
 Company Eagle Creek Corporation Elevation 3139 KB 3129 GL
 Address 150 N. Main St. 905 Wichita KS 67202
 Co. Rep / Geo. Gary Gensch Rig Val #4
 Location: Sec. 17 Twp. 17S Rge. 34W Co. SCOTT State KS

Interval Tested 4468-4525 Zone Tested Marmaton A-B
 Anchor Length 57 Drill Pipe Run ~~4443~~ 4443 Mud Wt. 9.3
 Top Packer Depth 4464 Drill Collars Run 30 Vis 51
 Bottom Packer Depth 4468 Wt. Pipe Run 0 WL 10.8
 Total Depth 4525 Chlorides 12000 ppm System LCM 1

Blow Description IF! BOB IN 14 Min.
IS! Return Blow Boilt to 48"
FF! BOB IN 11 Min
FS! Return Blow Boilt to 44"

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>	Feet of <u>GIP = 216</u>	<u>100</u>			
<u>154</u>	Feet of <u>gco</u>	<u>40</u>	<u>60</u>		
<u>62</u>	Feet of <u>gcom</u>	<u>10</u>	<u>20</u>	<u>70</u>	
<u>62</u>	Feet of <u>gcom</u>	<u>10</u>	<u>20</u>	<u>80</u>	
<u>62</u>	Feet of <u>gcom</u>	<u>10</u>	<u>20</u>	<u>80</u>	

Rec Total BHT 115 Gravity 28 API RW — @ — °F Chlorides — ppm
 (A) Initial Hydrostatic 2275 Test 12.50.00/ T-On Location 20:15
 (B) First Initial Flow 41 Jars — T-Started 22:30
 (C) First Final Flow 80 Safety Joint — T-Open 01:09
 (D) Initial Shut-In 1236 Circ Sub N/C T-Pulled 04:54
 (E) Second Initial Flow 86 Hourly Standby — T-Out 07:32
 (F) Second Final Flow 129 Mileage 56 RT 86.50/ Comments —
 (G) Final Shut-In 1231 Sampler —
 (H) Final Hydrostatic 2147 Straddle —
 Shale Packer — Ruined Shale Packer —
 Extra Packer — Ruined Packer —
 Extra Recorder —
 Day Standby —
 Accessibility —

Initial Open 30
 Initial Shut-In 60
 Final Flow 45
 Final Shut-In 90
 Sub Total 0
 Total 1336.80
 MP/DST Disc't —

Approved By Gary Gensch Our Representative Mike Roberts

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 of 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. 53149

Well Name & No. Barnhart Trust #1-17 Test No. 2 Date 8-12-13
 Company Eagle Creek Corporation Elevation 3139 KB 3129 GL
 Address 150 N. Main St. 905 Wichita KS 67202
 Co. Rep / Geo. Gary Gensch Rig Val 4
 Location: Sec. 17 Twp. 17S Rge. 34W Co. Scott State KS

Interval Tested 4526-4545 Zone Tested Marm C
 Anchor Length 19 Drill Pipe Run 4502 Mud Wt. 9.0
 Top Packer Depth 4522 Drill Collars Run 30 Vis 48
 Bottom Packer Depth 4526 Wt. Pipe Run Ø WL 12.0
 Total Depth 4545 Chlorides 12000 ppm System LCM 2

Blow Description IF: Built to 1/4" Blow + Died in 10 Min.
FS: No Return Blow
FF: No Blow - Flushed tool - 2 Bubbles Died
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MUD with Trace of oil</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 10 BHT 112 Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic <u>2263</u>	<input checked="" type="checkbox"/> Test <u>1250.00/-</u>	T-On Location <u>16:25</u>
(B) First Initial Flow <u>15</u>	<input type="checkbox"/> Jars	T-Started <u>16:34</u>
(C) First Final Flow <u>18</u>	<input type="checkbox"/> Safety Joint	T-Open <u>18:25</u>
(D) Initial Shut-In <u>217</u>	<input checked="" type="checkbox"/> Circ Sub <u>NL</u>	T-Pulled <u>20:25</u>
(E) Second Initial Flow <u>19</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>22:18</u>
(F) Second Final Flow <u>24</u>	<input checked="" type="checkbox"/> Mileage <u>56 RT 86.80/-</u>	Comments
(G) Final Shut-In <u>215</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2189</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer

Initial Open 30 Shale Packer Ruined Packer
 Initial Shut-In 30 Extra Packer Extra Copies
 Final Flow 30 Extra Recorder Sub Total 0
 Final Shut-In 30 Day Standby Total 1336.80
 Accessibility MP/DST Disc't
 Sub Total 1336.80/-

Approved By Gary Gensch Our Representative Mark Patto

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Change TIMES

Test Ticket

NO. 52901

Well Name & No. Barnhart Trust #1-17 Test No. 3 Date 8-13-13
 Company Eagle Creek Corporation Elevation 3139 KB 3129 GL
 Address 150 N. Main St. 905 Wichita KS 67202
 Co. Rep / Geo. Gray Gensch Rig Val #4
 Location: Sec. 17 Twp. 17S Rge. 34W Co. SCOTT State KS

Interval Tested 4561-4653 Zone Tested Marm D - Cherokee
 Anchor Length 92' Drill Pipe Run 4535 Mud Wt. 9.1
 Top Packer Depth 4559 Drill Collars Run 30 Vis 54
 Bottom Packer Depth 4561 Wt. Pipe Run 9 WL 10.4
 Total Depth 4653 Chlorides 9500 ppm System LCM 1

Blow Description IF: Weak Surface Blow Died in 5 Min
IS: NO Return Blow
FF: No Blow
FS: No Return Blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</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 5 BHT 115 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2355</u>	<input checked="" type="checkbox"/> Test <u>1250.00/-</u>	T-On Location <u>16:30</u>
(B) First Initial Flow <u>52</u>	<input type="checkbox"/> Jars	T-Started <u>16:57</u>
(C) First Final Flow <u>53</u>	<input checked="" type="checkbox"/> Safety Joint <u>NC</u>	T-Open <u>19:10</u>
(D) Initial Shut-In <u>66</u>	<input checked="" type="checkbox"/> Circ Sub <u>NC</u>	T-Pulled <u>21:10</u>
(E) Second Initial Flow <u>53</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>23:36</u>
(F) Second Final Flow <u>53</u>	<input checked="" type="checkbox"/> Mileage <u>Start: 80/</u> 173.60	Comments <u>m. leage x2</u>
(G) Final Shut-In <u>59</u>	<input type="checkbox"/> Sampler	<u>Loaded tools @</u>
(H) Final Hydrostatic <u>2272</u>	<input type="checkbox"/> Straddle	<u>16:30 8-14</u>

Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1423.60</u>
	<input type="checkbox"/> Accessibility <u>1423.60</u>	MP/DST Disc't
	Sub Total <u>7336.80/</u>	

Approved By Gray Gensch Our Representative Mats Pelt

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Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

October 22, 2013

Dave Callewaert
Eagle Creek Corporation
8100 East 22nd Street North
Building 1500 Suite A
WICHITA, KS 67226

Re: ACO1
API 15-171-20964-00-00
BARNHART TRUST 1-17
NW/4 Sec.17-17S-34W
Scott County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Dave Callewaert