Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1236699

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 # 30129
Name: Eagle Creek Corporation
Address 1: 8100 E. 22ND ST. NORTH, BLDG 1500
Address 2: SUITE A
City: WICHITA State: KS Zip: 67226 + __ __ __ __
Contact Person: DAVE CALLEWAERT
Phone: (316) 264-8044
CONTRACTOR: License # 5822
Name: Val Energy, Inc.
Wellsite Geologist: WES HANSEN
Purchaser: NONE

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 #:

11/15/2014	11/26/2014	11/27/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-171-21108-00-00
Spot Description:
SW NE SE SW Sec. 17 Twp. 17 S. R. 34 ☐ East ☑ West
850 Feet from ☐ North / ☑ South Line of Section
2280 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Scott
Lease Name: BARNHART Well #: 2-17
Field Name:
Producing Formation: NONE
Elevation: Ground: 3062 Kelly Bushing: 3070
Total Vertical Depth: 4978 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 263 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: 10000 ppm Fluid volume: 450 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: DILLCO
Lease Name: ROBINSON FARMS License #: 6652
Quarter SE Sec. 15 Twp. 19 S. R. 34 ☐ East ☑ West
County: SCOTT Permit #: D30648

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: 12/30/2014
☑ **Confidential Release Date:** 12/29/2016
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** Rene Stucky **Date:** 12/31/2014

[redacted] 1236699

Operator Name: Eagle Creek Corporation Lease Name: BARNHART Well #: 2-17

Sec. 17 Twp. 17 S. R. 34 ☐ East ☑ West County: Scott

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

DUAL INDUCTION
COMPENSATED NEUTRON DENSITY
MICROLOG

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
SURFACE	12.25	8.625	23	265	COMMON	180	3%CC, 2% GEL

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Form	ACO1 - Well Completion
Operator	Eagle Creek Corporation
Well Name	BARNHART 2-17
Doc ID	1236699

Tops

Name	Top	Datum
HEEBNER	3937	-867
LANSING	3986	-916
STARK	4273	-1203
HUSHPUCKNEY	4321	-1251
MARMATON	4431	-1361
PAWNEE	4505	-1435
CHEROKEE	4553	-1483
MORROW SH	4725	-1655
MISSISSIPPI	4870	-1800

Form	ACO1 - Well Completion
Operator	Eagle Creek Corporation
Well Name	BARNHART 2-17
Doc ID	1236699

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	23	265	COMMON	180	3%CC, 2% GEL

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

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

Test Type: Conventional Bottom Hole (Initial)
Tester: Mike Roberts
Unit No: 65

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

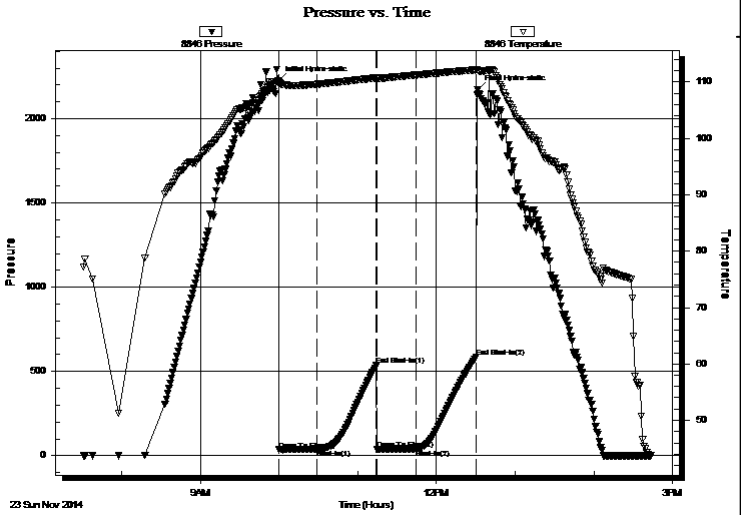
Reference Elevations: 3070.00 ft (KB)
3061.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8846 **Inside**

Press@RunDepth: 40.45 psig @ 4403.00 ft (KB)
Start Date: 2014.11.23 End Date: 2014.11.23
Start Time: 07:31:15 End Time: 14:44:00

Capacity: 8000.00 psig
Last Calib.: 2014.11.23
Time On Btm: 2014.11.23 @ 09:59:45
Time Off Btm: 2014.11.23 @ 12:31:30

TEST COMMENT: IF:Built to w eak 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)

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

Test Type: Conventional Bottom Hole (Initial)
Tester: Mike Roberts
Unit No: 65

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

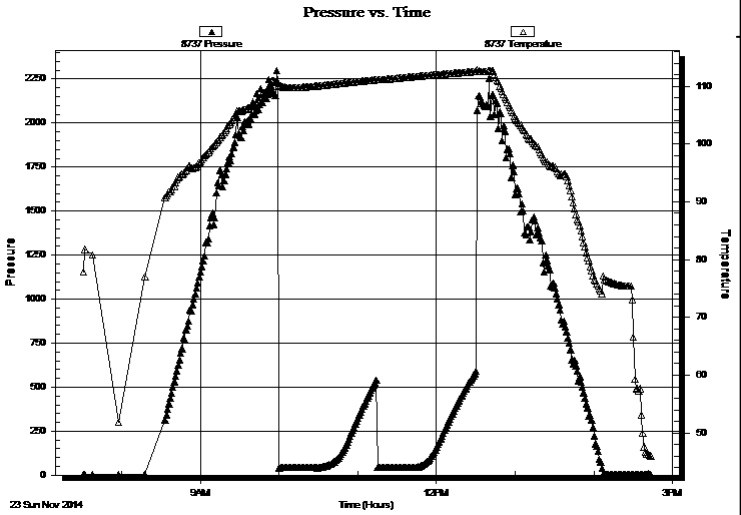
Reference Elevations: 3070.00 ft (KB)
3061.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8737 **Outside**

Press@RunDepth: psig @ 4403.00 ft (KB)
Start Date: 2014.11.23 End Date: 2014.11.23
Start Time: 07:31:15 End Time: 14:44:00

Capacity: 8000.00 psig
Last Calib.: 2014.11.23
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Built to w eak 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)

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Tool Information

Drill Pipe:	Length:	4320.00 ft	Diameter:	3.80 inches	Volume:	60.60 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	58.00 ft	Diameter:	2.25 inches	Volume:	0.29 bbl	
					Total Volume:	60.89 bbl	

Drill Pipe Above KB:	8.00 ft
Depth to Top Packer:	4398.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	58.00 ft
Tool Length:	86.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		1500.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		90000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	78000.00 lb
	Final	78000.00 lb

Tool Comments:

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
Total Tool Length:	**86.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

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

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:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4300.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

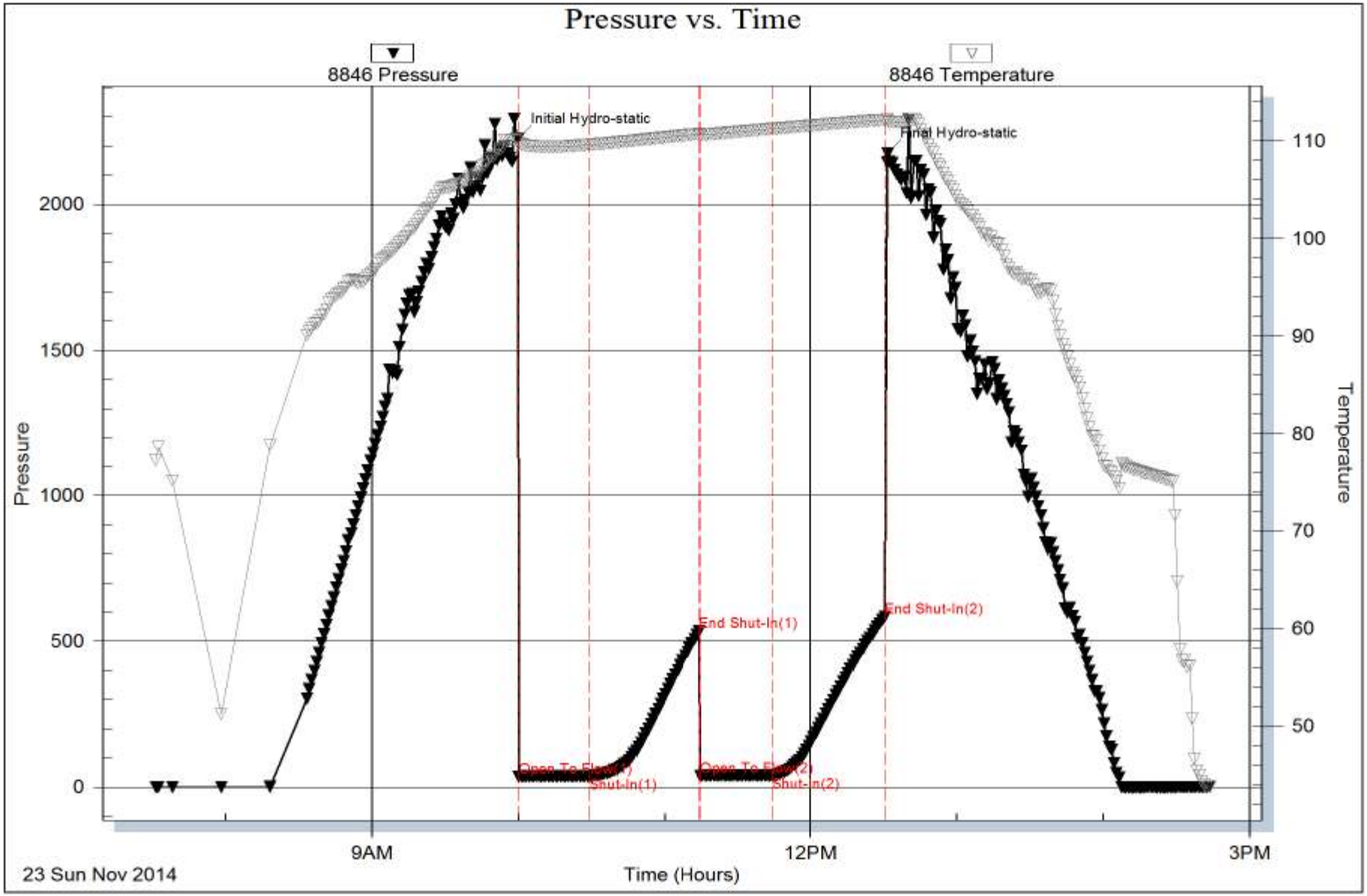
Recovery Table

Length ft	Description	Volume bbl
2.00	mud 100%m	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

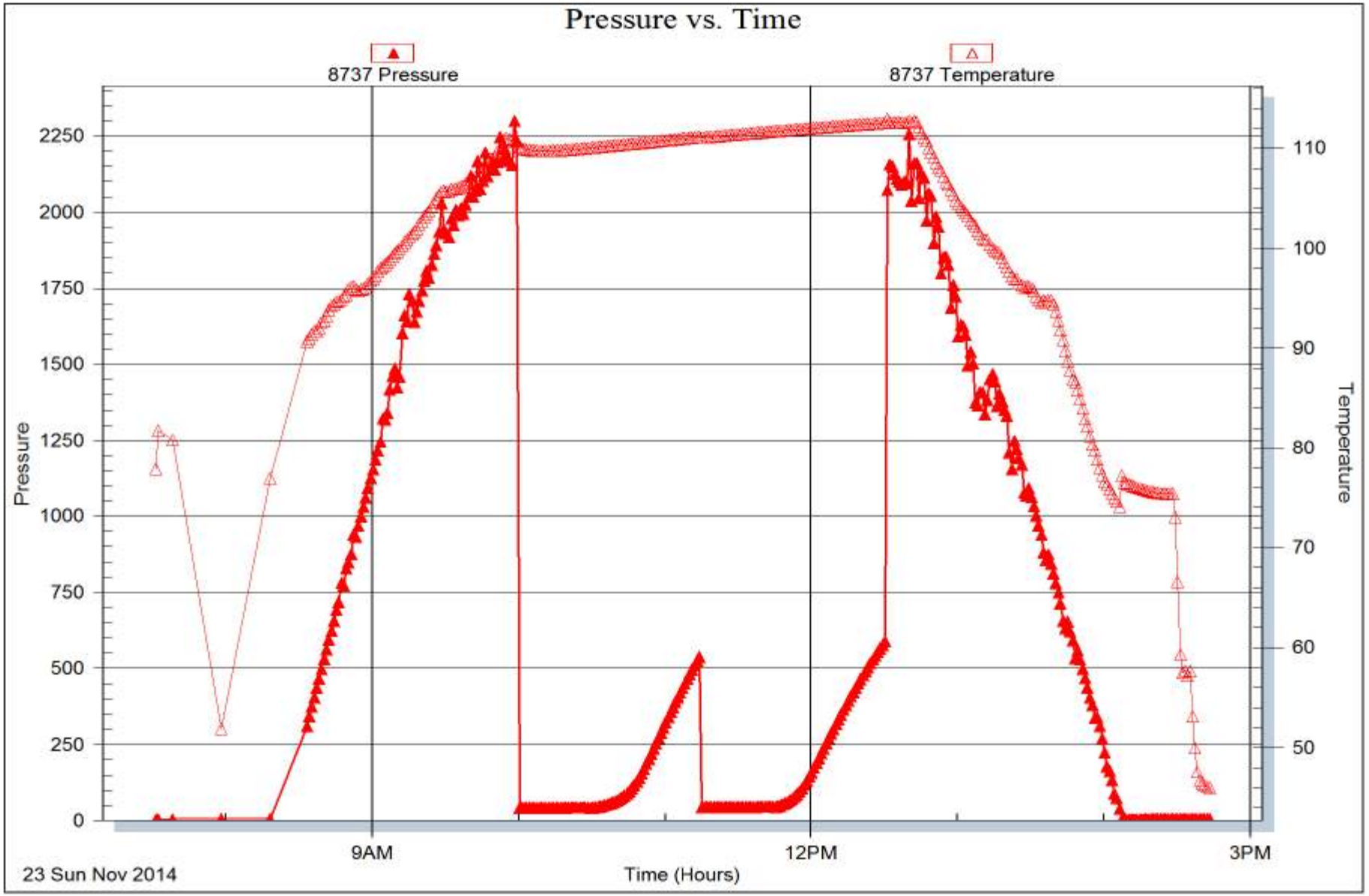
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8846 **Inside** Eagle Creek Corporation Barnhart #2-17 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 59220 Printed: 2014.11.28 @ 14:36:27

Serial #: 8737 **Outside** Eagle Creek Corporation Barnhart #2-17 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 59220 Printed: 2014.11.28 @ 14:36:27

TRILOBITE TESTING, INC.

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

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

Test Type: Conventional Straddle (Reset)
Tester: Will MacLean
Unit No: 71

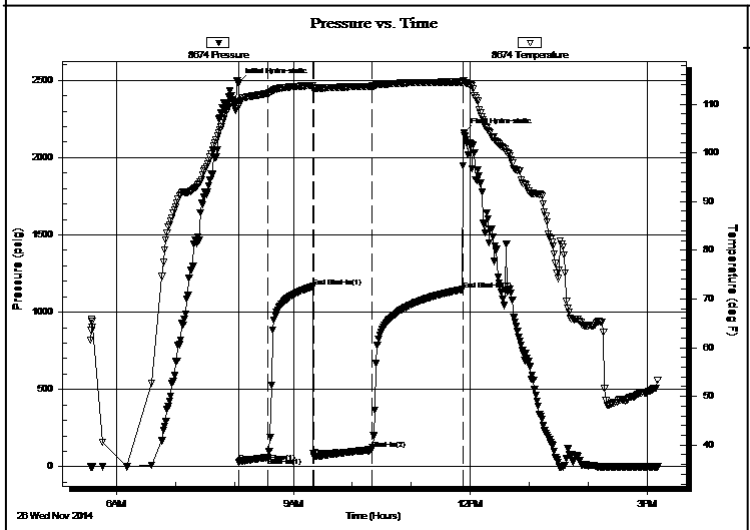
Interval: 4494.00 ft (KB) To 4530.00 ft (KB) (TVD)
Total Depth: 4978.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

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)
Start Date: 2014.11.26 End Date: 2014.11.26
Start Time: 05:34:00 End Time: 15:10:55

Capacity: 8000.00 psig
Last Calib.: 2014.11.26
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
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"



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)

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

Test Type: Conventional Straddle (Reset)
Tester: Will MacLean
Unit No: 71

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

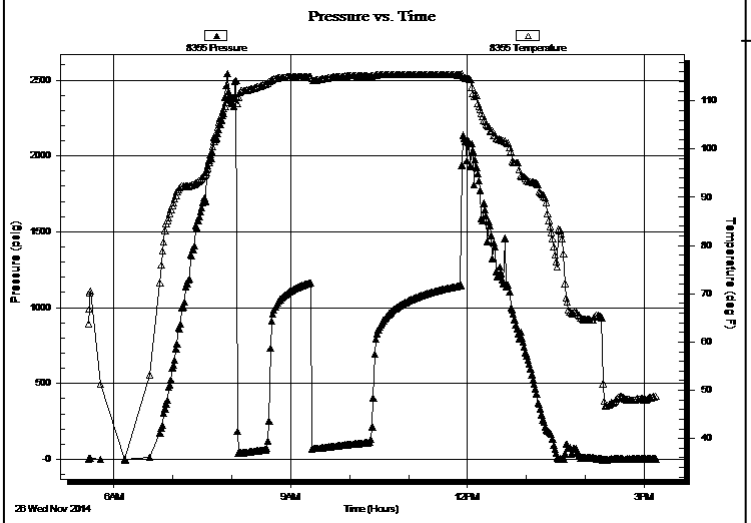
Reference Elevations: 3070.00 ft (KB)
3061.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8355 **Outside**

Press@RunDepth: psig @ 4495.00 ft (KB)
Start Date: 2014.11.26 End Date: 2014.11.26
Start Time: 05:34:05 End Time: 15:12:45

Capacity: 8000.00 psig
Last Calib.: 2014.11.26
Time On Btm:
Time Off Btm:

TEST COMMENT: 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"



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)

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

Test Type: Conventional Straddle (Reset)
Tester: Will MacLean
Unit No: 71

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

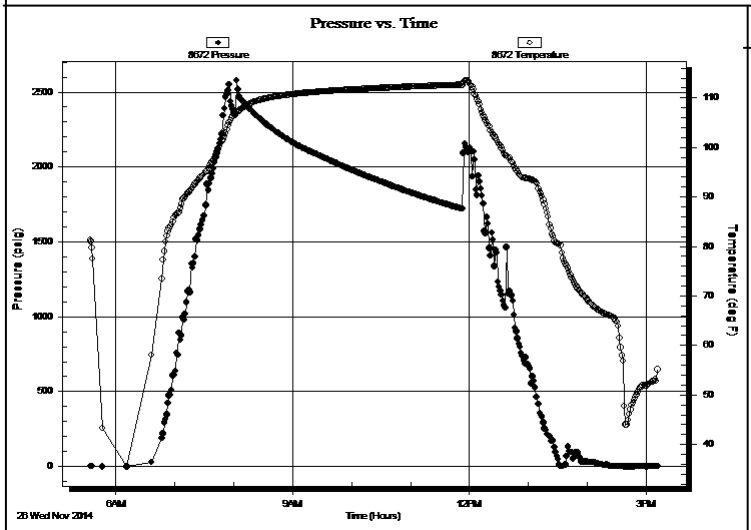
Reference Elevations: 3070.00 ft (KB)
3061.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8672 **Below (Straddle)**

Press@RunDepth: psig @ 4531.00 ft (KB)
Start Date: 2014.11.26 End Date: 2014.11.26
Start Time: 05:34:05 End Time: 15:12:45

Capacity: 8000.00 psig
Last Calib.: 2014.11.26
Time On Btm:
Time Off Btm:

TEST COMMENT: 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"



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)

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Tool Information

Drill Pipe:	Length:	4448.00 ft	Diameter:	3.80	inches	Volume:	62.39	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	30.00 ft	Diameter:	2.25	inches	Volume:	0.15	bbl	
						Total Volume:	62.54	bbl	

Drill Pipe Above KB:	12.00 ft
Depth to Top Packer:	4494.00 ft
Depth to Bottom Packer:	4530.00 ft
Interval betw een Packers:	36.00 ft
Tool Length:	512.00 ft
Number of Packers:	3 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		30000.00 lb
Weight to Pull Loose:		16000.00 lb
Tool Chased		ft
String Weight:	Initial	70000.00 lb
	Final	72000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
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**					

DRILL STEM TEST REPORT

FLUID SUMMARY

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

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	22 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	59.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.46 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	7500.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

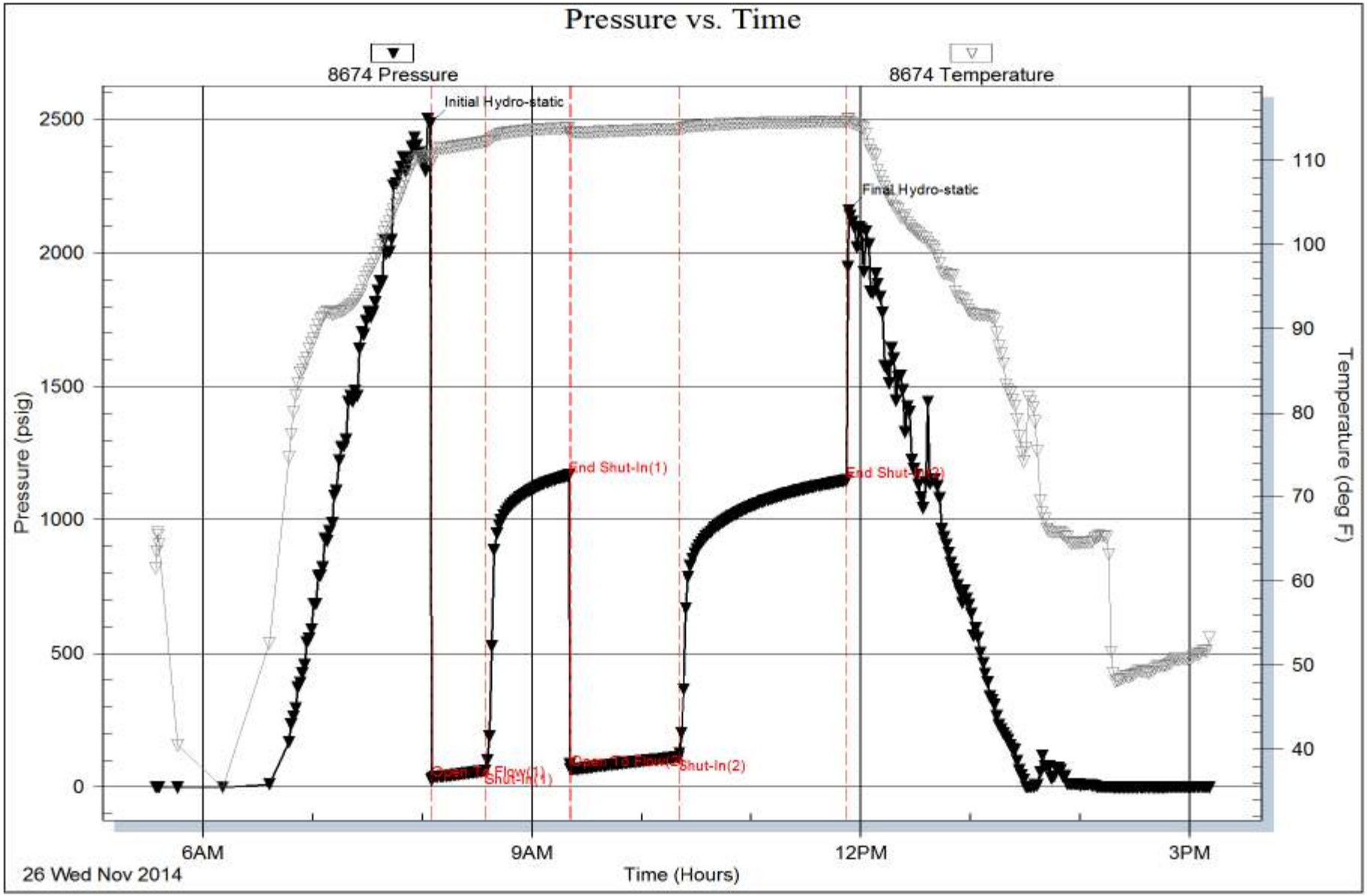
Recovery Table

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

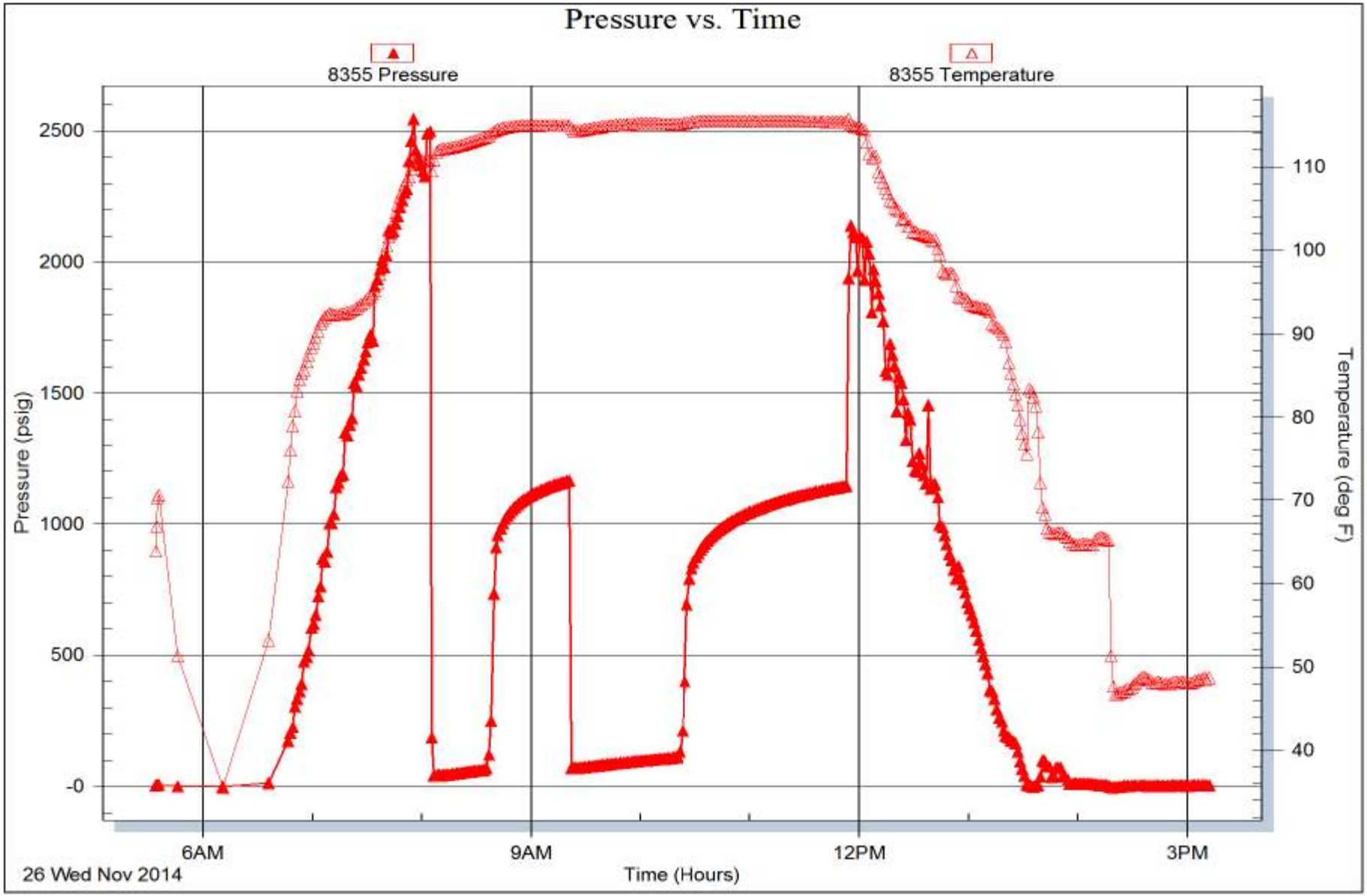
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: API is 21 @ 50f = 22

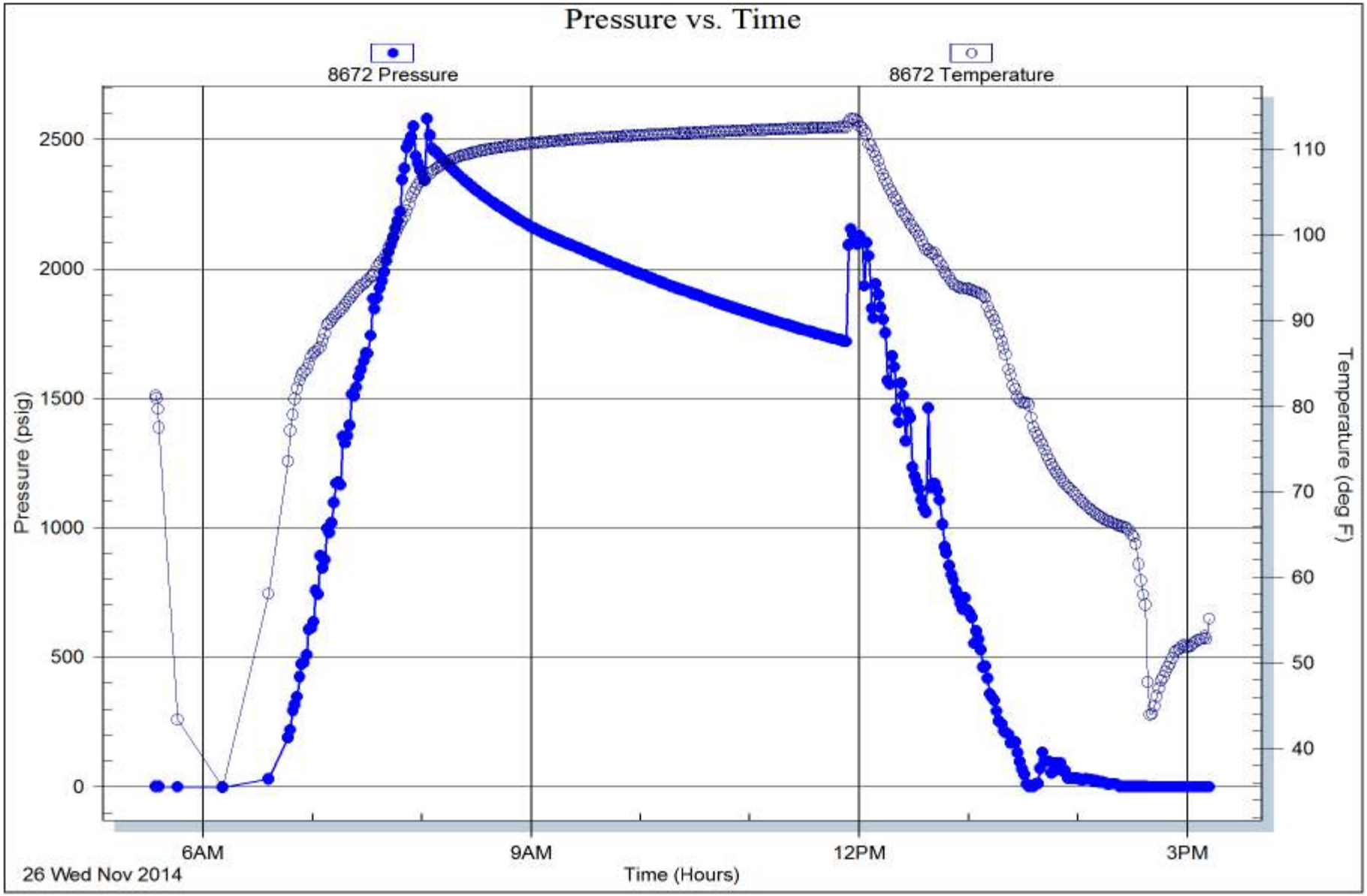
Serial #: 8674 **Inside** Eagle Creek Corporation Barnhart #2-17 DST Test Number: 2



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




Pressure vs. Time
8672 Pressure
8672 Temperature
Pressure (psig)
Temperature (deg F)
2500
2000
1500
1000
500
0
110
100
90
80
70
60
50
40
6AM
9AM
12PM
3PM
26 Wed Nov 2014
Time (Hours)

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 59220

Well Name & No. Barnhart 2-17 Test No. 1 Date 11-23-14

Company Eagle Creek Corporation Elevation 3010 KB 3161 GL

Address 8100 E 22nd ST North BLDG 1500 ~~Suite~~ Suite A Wichita KS 67226

Co. Rep / Geo. Wes Hansen Rig Val 4

Location: Sec. 17 Twp. 17 Rge. 34 W 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 2	Feet of MUD	%gas	%oil	%water 100	%mud
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	☑ Test 1250.00	T-On Location 04:10
(B) First Initial Flow 35	☑ Jars 250.00	T-Started 07:31
(C) First Final Flow 38	☑ Safety Joint 75.00	T-Open 09:58
(D) Initial Shut-In 535	☑ Circ Sub NC	T-Pulled 12:28
(E) Second Initial Flow 38	☒ Hourly Standby 2 HRS 1.25h 125	T-Out 14:44
(F) Second Final Flow 40	☑ Mileage 44 RT 68.20	Comments Time on Bank 5:30
(G) Final Shut-In 584	☐ Sampler Milege X2 68.20	Got on Bank 7:30
(H) Final Hydrostatic 2174	☐ Straddle	Loaded 12:00 11-25
	☐ Shale Packer	☐ Ruined Shale Packer
Initial Open 30	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In 45	☐ Extra Recorder	☐ Extra Copies
Final Flow 30	☐ Day Standby 1.5d 9.25h	Sub Total 800
Final Shut-In 45	☐ Accessibility 1836.40	Total 2636.40
	Sub Total $1643.20	MP/DST Disc't

Approved By Ashley Hansen Our Representative Mike Robert

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 58719

Well Name & No. Barnhart #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 4578 LTD Chlorides 7500 ppm System LCM 1/6

Blow Description IF - Surface Blow Built to BOB in 14 3/4 min

ISI - Weak Surface Blow in 2min built to 4 1/2"

FF - Surface Blow Built to BOB in 15 min

FSI - Weak Surface Blow in 45sec Built to 6"

Rec 83	Feet of MCCO	19 %gas	73 %oil	%water	8 %mud
Rec 63	Feet of MCCO	37 %gas	60 %oil	%water	3 %mud
Rec 63	Feet of GMCO	25 %gas	43 %oil	%water	32 %mud
Rec 63	Feet of WOCGCM	30 %gas	19 %oil	3 %water	48 %mud
Rec ____	Feet of 734' of GIP	%gas	%oil	%water	%mud

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 UIC	T-Pulled 11:53
(E) Second Initial Flow 66	☐ Hourly Standby ____	T-Out 15:10
(F) Second Final Flow 111	☑ Mileage 40 R/T 68.20	Comments
(G) Final Shut-In 1146	☐ Sampler ____	API is 21 e SOF = 22
(H) Final Hydrostatic 2159	☑ Straddle 600	☐ Ruined Shale Packer ____
	☐ Shale Packer ____	☐ Ruined Packer ____
Initial Open 30	☐ Extra Packer ____	☐ Extra Copies ____
Initial Shut-In 45	☐ Extra Recorder ____	Sub Total 0
Final Flow 60	☐ Day Standby ____	Total 2243.20
Final Shut-In 90	☐ Accessibility ____	MP/DST Disc't ____
	Sub Total 2243.20	

Approved By Wesley Hansen Our Representative ____

1197 1197 1208

CONSOLIDATED
Oil Well Services, LLC

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

Invoice #802311

TICKET NUMBER 46567
LOCATION Oakley, KS
FOREMAN Kelly Gabel

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-26-14	2776	Barnhart Trust 2-17	17	17	34W	Scott

CUSTOMER: Eagle Creek
MAILING ADDRESS:
CITY | STATE | ZIP CODE:

Pense to Co. line S to Rd 220 1½ E ½ mi S into

TRUCK #	DRIVER	TRUCK #	DRIVER
772+T118	Jordan		
528+T129	Bill		
	Colin		

JOB TYPE PTA HOLE SIZE 7 7/8 HOLE DEPTH 4980 CASING SIZE & WEIGHT
CASING DEPTH DRILL PIPE TUBING OTHER
SLURRY WEIGHT SLURRY VOL WATER gal/sk CEMENT LEFT in CASING
DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety meeting, rigged up on val #4, broke circulation
50@2370
80@1350
50@600
40@300
20@60
30RH
20MH

Thank You
Kelly & Crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405N	1	PUMP CHARGE	1395.00	1395.00
5406	35 mi	MILEAGE	5.35	183.75
5407A	12.47	Ton mileage delivery	1.75	763.29
1131	290 sks	60/40 POZ 4599.40	15.85	4599.40
1118B	997#	Bentonite	.27	269.35
1107	73#	Flo-Seal	2.97	215.32
			SWD	9486.61
			less 10%	742.66
			total	6685.95
			SALES TAX	373.02
			ESTIMATED TOTAL	7058.17

Ravin 3737

AUTHORIZTION Ravin 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

905

Invoice #902046

TICKET NUMBER 47740 909/918
LOCATION Oakley, KS
FOREMAN Kelly Gabel

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
11-15-14	2776	Bernhart + trust 2-17	17	17	34W	Scott

CUSTOMER: Eagle Creek
MAILING ADDRESS:
CITY: STATE: ZIP CODE:

Pense
W to 60
S to Rd
320
1½ E
½ S
W into

TRUCK #	DRIVER	TRUCK #	DRIVER
731	Jeremy		
463	Cody		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH CASING SIZE & WEIGHT 8 5/8 24#
CASING DEPTH DRILL PIPE TUBING OTHER
SLURRY WEIGHT 14.8 SLURRY VOL 1.26 WATER gal/sk 6.5 CEMENT LEFT in CASING 20'
DISPLACEMENT 15 3/4 DISPLACEMENT PSI MIX PSI RATE

REMARKS: Safety meeting, rigged up on Val #4, broke circulation mixed 180 SKS com 3%CC 2% gel, displaced with 15 3/4 bbl water shut in.

Cement Did Circulate

Thank You
Kelly & crew

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
540153	1	PUMP CHARGE	1150.00	1150.00
5406	35 mi	MILEAGE	5.25	183.75
5407A	8.5	Ton mileage delivery	1.75	520.80
11045	180 SKS	class A cement	18.55	3339.00
1102	508#	calcium chloride	.94	477.52
1118B	338#	Bentonite	.27	91.26
			Sub	5762.33
			Less 10%	576.23
			Total	5186.10
			SALES TAX	286.64
			ESTIMATED TOTAL	5472.73

Ravin 3737

AUTHORIZTION Abe Perez TITLE DATE 11-15-14

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.