



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1213341  
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: \_\_\_\_\_

1213341

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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:  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
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Mid-Continent Energy Corp.
Well Name	Fisher-Harter 1
Doc ID	1213341

All Electric Logs Run

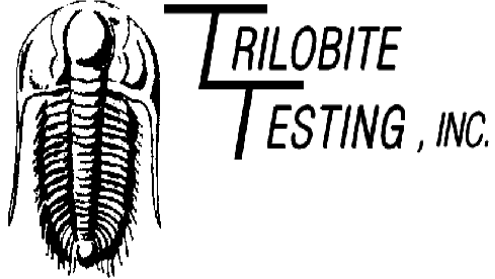
Micro
Sonic
Dual Induction
Compensated Density/Neutron

Form	ACO1 - Well Completion
Operator	Mid-Continent Energy Corp.
Well Name	Fisher-Harter 1
Doc ID	1213341

Tops

Name	Top	Datum
Heebner	3477	-1527
Brown Lime	3613	-1663
Lansing, KC	3640	-1696
Base KC	3910	-1960
Conglomerate	3980	-2030
Viola	4058	-2108
Simpson	4210	-2264
Simpson Sand	4230	-2280
Arbuckle	4270	-2320





## DRILL STEM TEST REPORT

Prepared For: **Mid-Continent Energy Corp.**

105 S.Broadway,Ste.360  
Wichita Ks.67202

ATTN: Ben Landis

### **Fisher-Harter#1**

#### **31-24s-13w Stafford Ks.**

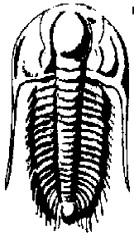
Start Date: 2014.04.26 @ 14:54:48

End Date: 2014.04.26 @ 23:53:18

Job Ticket #: 54204                      DST #: 1

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

Printed: 2014.04.28 @ 22:06:27



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Mid-Continent Energy Corp.

**31-24s-13w Stafford Ks.**

105 S.Broadway, Ste.360  
Wichita Ks.67202

**Fisher-Harter#1**

ATTN: Ben Landis

Job Ticket: 54204

**DST#: 1**

Test Start: 2014.04.26 @ 14:54:48

## GENERAL INFORMATION:

Formation: **LKC**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:09:18

Time Test Ended: 23:53:18

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

**Interval: 3865.00 ft (KB) To 4004.00 ft (KB) (TVD)**

Reference Elevations: 1950.00 ft (KB)

Total Depth: 4004.00 ft (KB) (TVD)

1940.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 8352 Outside**

Press@RunDepth: 114.64 psig @ 3866.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.04.26

End Date:

2014.04.26

Last Calib.:

2014.04.26

Start Time: 14:54:53

End Time:

23:53:18

Time On Btm:

2014.04.26 @ 17:07:03

Time Off Btm:

2014.04.26 @ 21:03:48

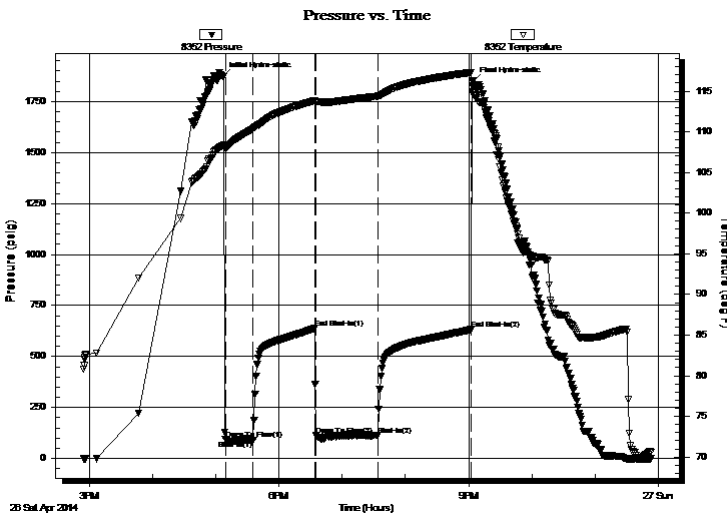
**TEST COMMENT:** IF:Strong blow . B.O.B. in 1 min. GTS in 7 mins.(see gas flow report)

IS:No blow .

FF:Strong blow . (see gas flow report)

FS:Weak blow . 1/4".

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1873.12	108.32	Initial Hydro-static
3	93.78	108.03	Open To Flow (1)
29	90.08	110.35	Shut-In(1)
88	638.61	113.84	End Shut-In(1)
88	112.79	113.65	Open To Flow (2)
147	114.64	114.37	Shut-In(2)
236	632.46	117.30	End Shut-In(2)
237	1848.06	114.92	Final Hydro-static

## Recovery

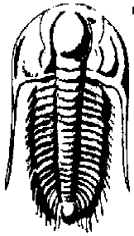
Length (ft)	Description	Volume (bbl)
95.00	Drig.mud	1.33
120.00	GCWM 8%g 18%w 74%w /Rw .3@66deg	1.68

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	12.00	178.09
Last Gas Rate	0.50	11.00	171.34
Max. Gas Rate	0.50	12.00	178.09







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Mid-Continent Energy Corp.

**31-24s-13w Stafford Ks.**

105 S. Broadway, Ste. 360  
Wichita Ks. 67202

**Fisher-Harter#1**

Job Ticket: 54204

**DST#: 1**

ATTN: Ben Landis

Test Start: 2014.04.26 @ 14:54:48

## Tool Information

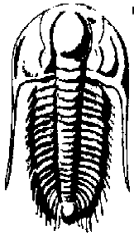
Drill Pipe:	Length: 3854.00 ft	Diameter: 3.80 inches	Volume: 54.06 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 86000.00 lb
			<u>Total Volume: 54.06 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	3865.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	139.00 ft			
Tool Length:	167.00 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			3838.00	
Shut In Tool	5.00			3843.00	
Hydraulic tool	5.00			3848.00	
Jars	5.00			3853.00	
Safety Joint	3.00			3856.00	
Packer	4.00			3860.00	28.00 Bottom Of Top Packer
Packer	5.00			3865.00	
Stubb	1.00			3866.00	
Recorder	0.00	8352	Outside	3866.00	
Recorder	0.00	8370	Inside	3866.00	
Perforations	6.00			3872.00	
Blank Spacing	124.00			3996.00	
Perforations	3.00			3999.00	
Bullnose	5.00			4004.00	139.00 Bottom Packers & Anchor

**Total Tool Length: 167.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Mid-Continent Energy Corp.

**31-24s-13w Stafford Ks.**

105 S.Broadway, Ste.360  
Wichita Ks.67202

**Fisher-Harter#1**

Job Ticket: 54204

**DST#: 1**

ATTN: Ben Landis

Test Start: 2014.04.26 @ 14:54:48

## 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:

27000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6300.00 ppm

Filter Cake: 0.20 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
95.00	Drig.mud	1.333
120.00	GCWM 8%g 18%w 74%w /Rw .3@66deg	1.683

Total Length: 215.00 ft

Total Volume: 3.016 bbl

Num Fluid Samples: 0

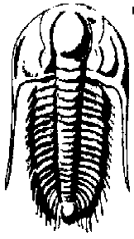
Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Mid-Continent Energy Corp.

**31-24s-13w Stafford Ks.**

105 S. Broadway, Ste. 360  
Wichita Ks. 67202

**Fisher-Harter#1**

Job Ticket: 54204

**DST#: 1**

ATTN: Ben Landis

Test Start: 2014.04.26 @ 14:54:48

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

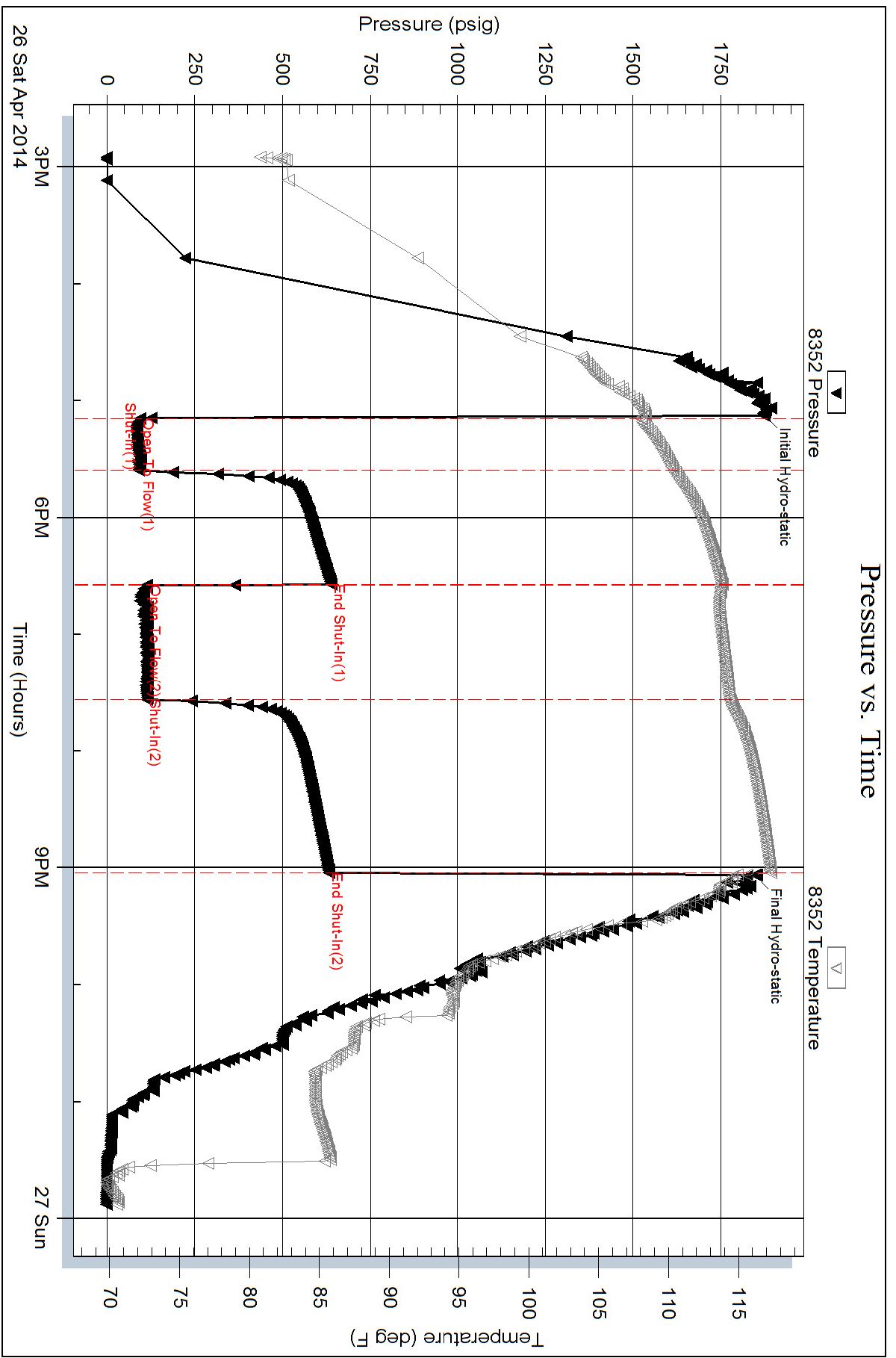
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.50	12.00	178.09
1	10	0.50	12.00	178.09
1	20	0.50	11.00	171.34
1	30	0.50	11.00	171.34
2	10	0.50	11.00	171.34
2	20	0.50	11.00	171.34
2	30	0.50	11.00	171.34
2	40	0.50	11.00	171.34
2	50	0.50	11.00	171.34

Serial #: 8352

Outside Mid-Continent Energy Corp.

Fisher-Harter#1

DST Test Number: 1



Trilobe Testing, Inc

Ref. No: 54204

Printed: 2014.04.28 @ 22:06:29

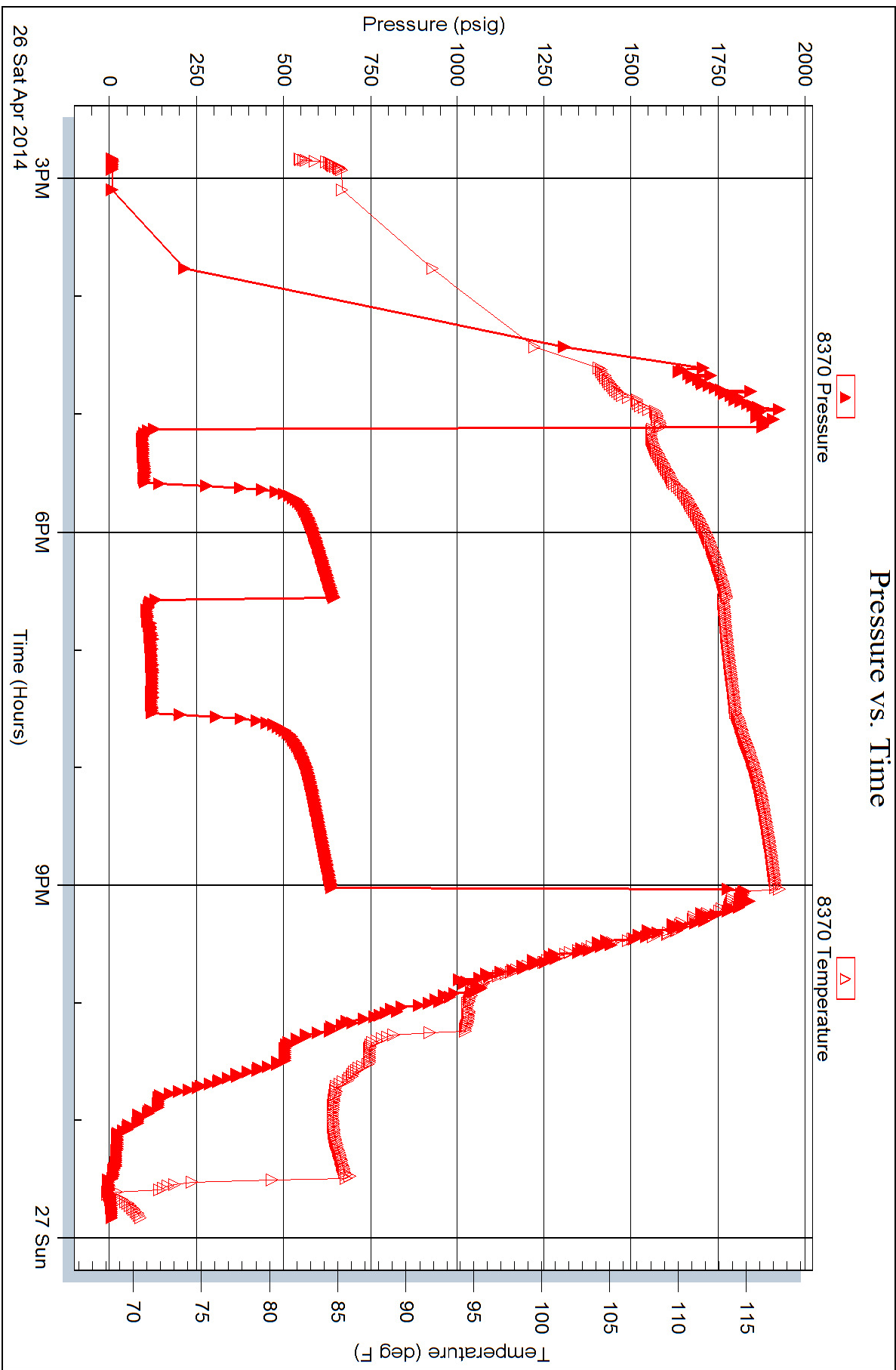
Serial #: 8370

Inside

Mid-Continent Energy Corp.

Fisher-Harter#1

DST Test Number: 1







**BASIC**<sup>SM</sup>  
ENERGY SERVICES

PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.  
Liberal, Kansas 67905  
Phone 620-624-2277

FIELD SERVICE TICKET  
1717 05662 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 4/29/14	DISTRICT	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER: Mid Continent Energy Corp		LEASE: Fisher Harter					WELL NO. 1
ADDRESS		COUNTY: Stafford				STATE: KS	
CITY	STATE	SERVICE CREW: Chad, Tommy, Dale					
AUTHORIZED BY: Kevin Gordley		JOB TYPE: 242 Production					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE: <del>AM</del> PM 9:00
78939	2					ARRIVED AT JOB	<del>AM</del> PM 12:30
37223/39426	2					START OPERATION	<del>AM</del> PM 4:00
70959/19918	2					FINISH OPERATION	<del>AM</del> PM 5:30
						RELEASED	<del>AM</del> PM 6:00
						MILES FROM STATION TO WELL	20

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *X [Signature]*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 106	A Serv lite	SK	25		325 00
CP 105	AAZ Cement	SK	125		2125 00
CP 106	A Serv lite	SK	50		650 00
CC 107	Colloflake	lb	32		118 40
CC 105	C-41P	lb	24		96 00
CC 111	Salt	lb	570		285 00
CC 117	Cement Friction Reducer	lb	36		216 00
CC 115	C-44	lb	118		607 70
CC 129	FLA 322	lb	59		442 50
CC 201	Gilsonite	lb	625		418 75
CF 607	Latch Down Plug + Baffle 5 1/2"	Eq	1		400 00
CF 1251	Auto Fill Float Shoe 5 1/2"	Eq	1		360 00
CF 1651	Turbolizer Centralizers 5 1/2"	Eq	6		660 00
E100	Unit Mileage Charge Pickup	mi	20		85 00
E101	Heavy Equip. Mileage	Mi	40		280 00
E113	Proppant and Bulk Delivery Charges	Tn/Mi	184		404 80
CE 205	Depth Charge 4001-5000	4hrs	1		2520 00
CE 240	Blending & Mixing Service Charge	SK	200		280 00
LE 504	Plug Container Utilization Charge	Job	1		250 00
SUB TOTAL					8511 35

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: Tommy Marcello	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>X [Signature]</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
--	---

FIELD SERVICE ORDER NO. \_\_\_\_\_



