



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1175212  
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: \_\_\_\_\_

1175212

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

<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	Toto Energy, LLC
Well Name	Baker 19-1
Doc ID	1175212

All Electric Logs Run

Micro Log
Dual Induction Log
CPI Log
Dual Compensated Porosity Log

Form	ACO1 - Well Completion
Operator	Toto Energy, LLC
Well Name	Baker 19-1
Doc ID	1175212

Tops

Name	Top	Datum
Kansas City	2476	1168
Altamont	2686	1378
Pawnee	2746	1438
Ft. Scott	2781	1473
Cherokee	2816	1508
Mississippi	3078	1770
Woodford Shale	3490	2183
Arbuckle	3548	2240









# Section 37, LLC

## GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY **Toto Energy, LLC**  
LEASE **Baker #19-1**

FIELD **Jarvis Gas Area**  
LOCATION **66° FSL & 1980° FWL**

SEC **19** TWPSP **33S** RGE **6E**  
COUNTY **Cowley** STATE **Kansas**

CONTRACTOR **VA Rig #3**  
RTD **1700'** LTD **10/16/13**

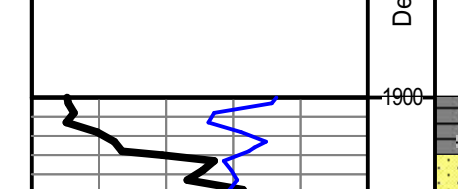
MUD UP **1700'** TYPE MUD **Chemical**  
SAMPLES SAVED FROM **1700'** TO **RTD**

DRILLING TIME KEPT FROM **1700'** TO **RTD**  
SAMPLES EXAMINED FROM **1700'** TO **RTD**

GEOLOGICAL SUPERVISION FROM **3500'**  
GEOLOGIST **H. Sayles & S. Deenihan**

ELEVATIONS  
KB **1308'**  
DF \_\_\_\_\_  
GL **1297'**  
Measurements Are All From Kelly Bushing

Formation	Sample Tops	E-log Tops	Strat Pos.
KC		2476 (-168)	
Altamont		2686 (-178)	
Pawnee		2781 (-143)	
Ft. Scott		2781 (-143)	
Cherokee		2816 (-150)	
Mississippi		3078 (-177)	
Woodford		3490 (-218)	
Arbuckle		3548 (-224)	

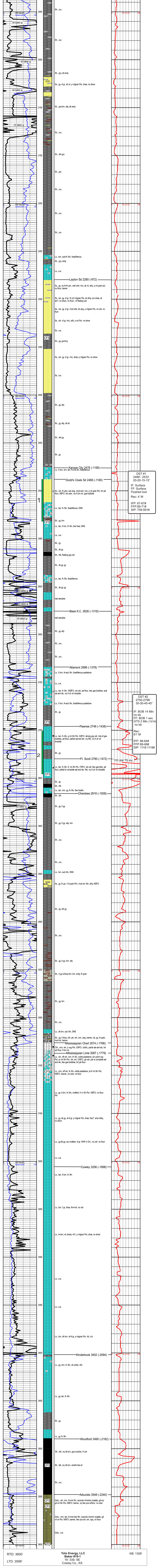


REMARKS The Baker 19-1 will be further evaluated through 5.5" production casing.

Respectfully Submitted,

Harley Sayles  
Sean P. Deenihan

API #15-035-24522







## DRILL STEM TEST REPORT

Prepared For: **Toto Energy LLC.**

25815 Oak Ridge. Dr.Spring  
Texas 77380

ATTN: Harley Sayles

**Baker 19-1**

**19-33-6w-Cowley**

Start Date: 2013.10.13 @ 06:01:00

End Date: 2013.10.13 @ 10:30:00

Job Ticket #: 18569                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2013.10.13 @ 08:49:29



# DRILL STEM TEST REPORT

Toto Energy LLC.  
 25815 Oak Ridge. Dr.Spring  
 Texas 77380  
 ATTN: Harley Sayles

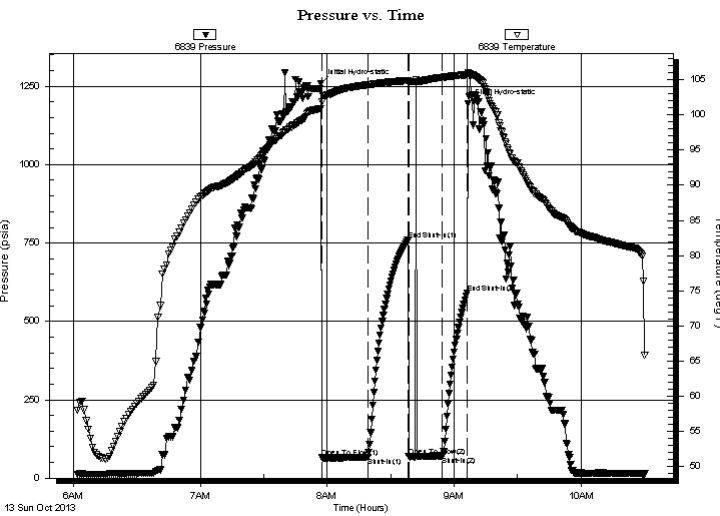
**19-33-6w-Cowley**  
**Baker 19-1**  
 Job Ticket: 18569 **DST#: 1**  
 Test Start: 2013.10.13 @ 06:01:00

## GENERAL INFORMATION:

Formation: **Dodds Creek Sand**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:57:30  
 Time Test Ended: 10:30:00  
 Interval: **2488.00 ft (KB) To 2533.00 ft (KB) (TVD)**  
 Total Depth: 2533.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-Great Bend-340  
 Reference Elevations: 1308.00 ft (KB)  
 1297.00 ft (CF)  
 KB to GR/CF: 11.00 ft

**Serial #: 6839 Outside**  
 Press @ RunDepth: 70.97 psia @ 2530.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2013.10.13 End Date: 2013.10.13 Last Calib.: 2013.10.13  
 Start Time: 06:01:00 End Time: 10:30:00 Time On Btm: 2013.10.13 @ 07:57:00  
 Time Off Btm: 2013.10.13 @ 09:06:30

**TEST COMMENT:** 1st Open 20 minutes Very weak surface blow died off after 2 minutes.  
 1st Shut in 20 minutes No blow back  
 2nd Open 15 minutes Very weak surface blow died off. Flushed tool no help.  
 2nd Shut in 15 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1259.16	100.95	Initial Hydro-static
1	66.71	101.86	Open To Flow (1)
22	67.20	104.27	Shut-In(1)
41	758.64	104.89	End Shut-In(1)
42	68.83	104.64	Open To Flow (2)
58	70.97	105.35	Shut-In(2)
69	591.34	105.72	End Shut-In(2)
70	1195.30	106.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud 100%	0.02

## Gas Rates

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





# DRILL STEM TEST REPORT

TOOL DIAGRAM

Toto Energy LLC.  
 25815 Oak Ridge. Dr.Spring  
 Texas 77380  
 ATTN: Harley Sayles

**19-33-6w-Cowley**  
**Baker 19-1**  
 Job Ticket: 18569      **DST#: 1**  
 Test Start: 2013.10.13 @ 06:01:00

## Tool Information

Drill Pipe:	Length: 2207.00 ft	Diameter: 3.80 inches	Volume: 30.96 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: 20000.00 lb
Drill Collar:	Length: 260.08 ft	Diameter: 2.25 inches	Volume: 1.28 bbl	Weight to Pull Loose: 70000.00 lb
			Total Volume: 32.24 bbl	Tool Chased 1.00 ft
Drill Pipe Above KB:	7.08 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	2488.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	45.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			2465.00	
Hydraulic Tool	5.00			2470.00	
Jars	6.00			2476.00	
Safety Joint	2.00			2478.00	
Packer	5.00			2483.00	28.00      Bottom Of Top Packer
Packer	5.00			2488.00	
Anchor	40.00			2528.00	
Recorder	1.00	8524	Inside	2529.00	
Recorder	1.00	6839	Outside	2530.00	
Bull Plug	3.00			2533.00	45.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>73.00</b>				





# DRILL STEM TEST REPORT

## FLUID SUMMARY

Toto Energy LLC.  
 25815 Oak Ridge. Dr.Spring  
 Texas 77380  
 ATTN: Harley Sayles

**19-33-6w-Cowley**  
**Baker 19-1**  
 Job Ticket: 18569      **DST#: 1**  
 Test Start: 2013.10.13 @ 06:01:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 1000.00 ppm			
Filter Cake: 1.00 inches			

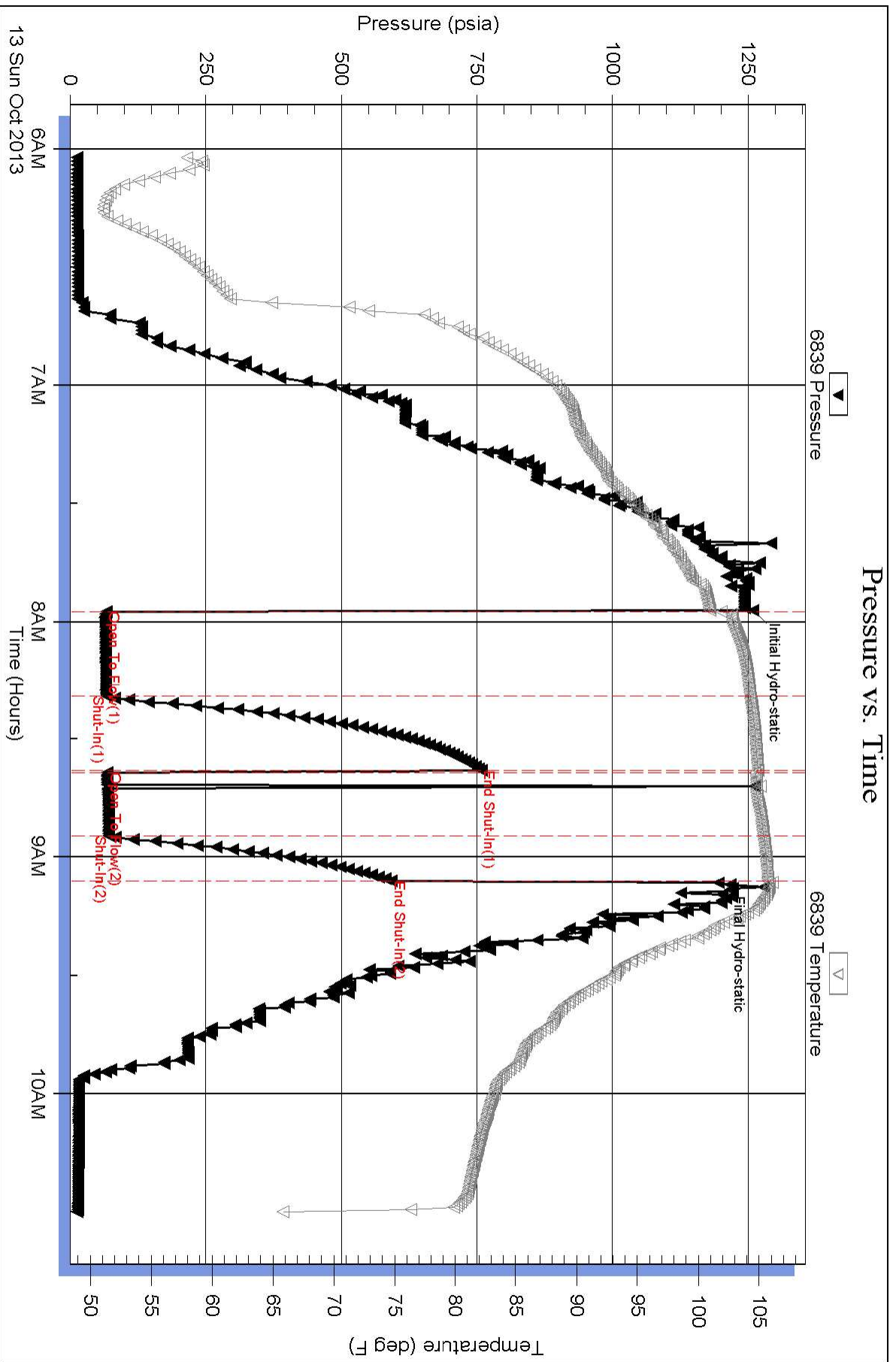
### Recovery Information

Recovery Table

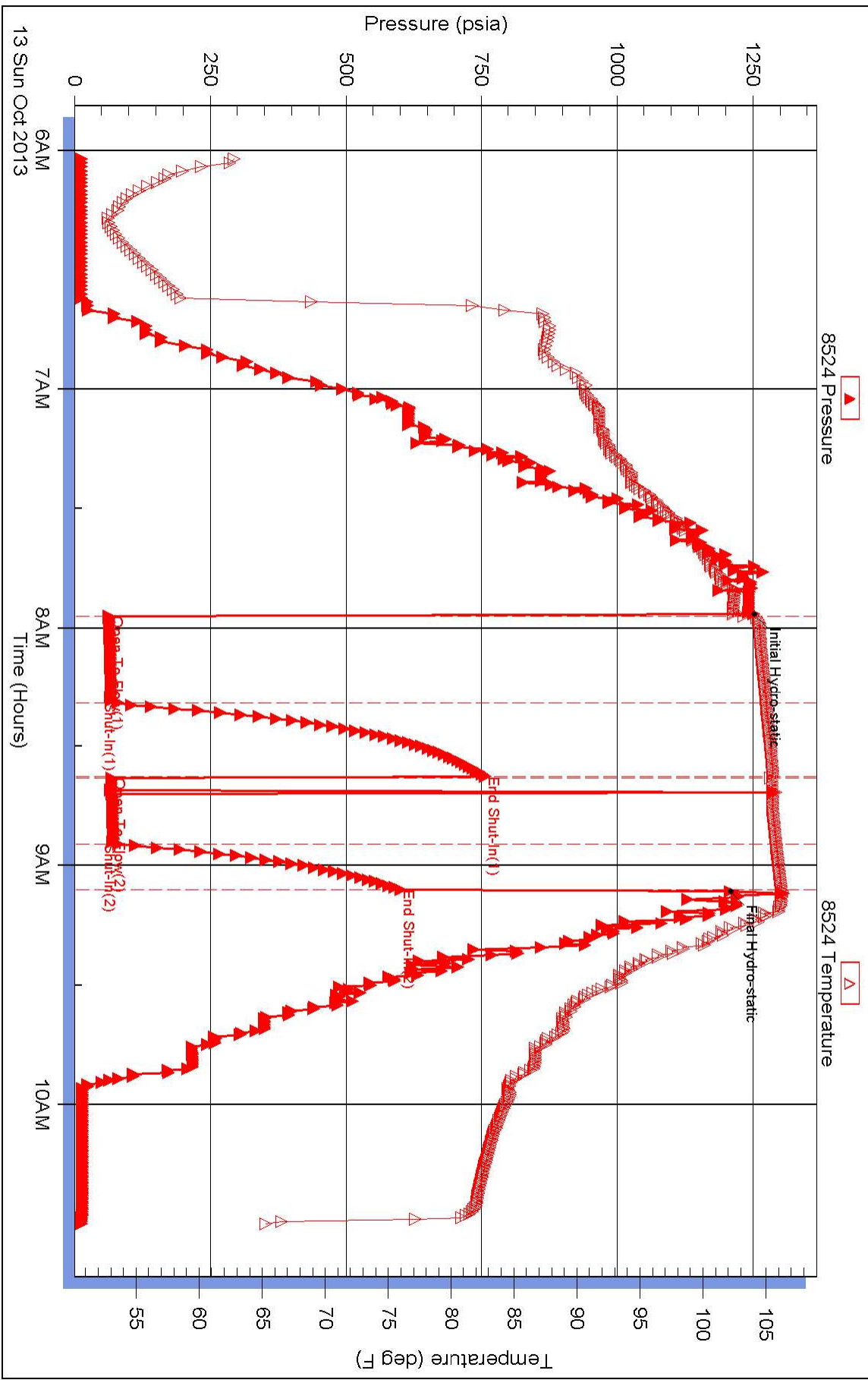
Length ft	Description	Volume bbl
4.00	Mud 100%	0.020

Total Length: 4.00 ft      Total Volume: 0.020 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

# Pressure vs. Time



### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Toto Energy LLC.**

25815 Oak Ridge. Dr.Spring  
Texas 77380

ATTN: Harley Sayles

**Baker 19-1**

**19-33-6w-Cowley**

Start Date: 2013.10.14 @ 07:30:00

End Date: 2013.10.14 @ 13:13:00

Job Ticket #: 18570                      DST #: 2

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2013.10.14 @ 11:18:54





# DRILL STEM TEST REPORT

Toto Energy LLC.  
 25815 Oak Ridge. Dr.Spring  
 Texas 77380  
 ATTN: Harley Sayles

**19-33-6w-Cowley**  
**Baker 19-1**  
 Job Ticket: 18570      **DST#: 2**  
 Test Start: 2013.10.14 @ 07:30:00

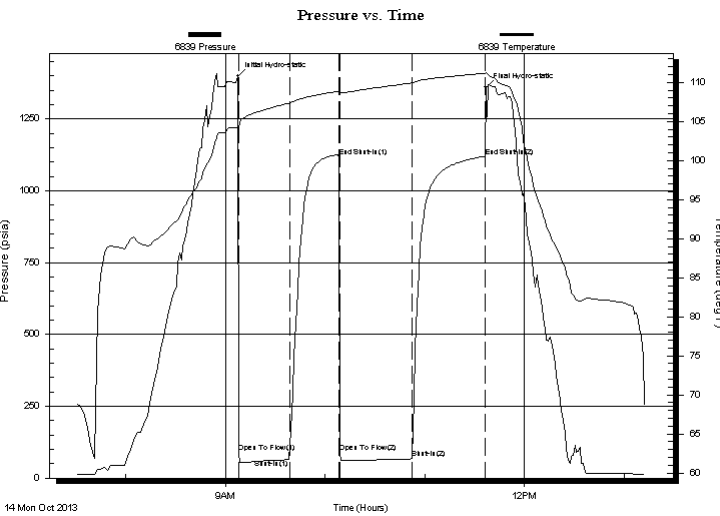
## GENERAL INFORMATION:

Formation: **Pawnee-Ft.Scott**  
 Deviated: No Whipstock:      ft (KB)  
 Time Tool Opened: 09:08:00  
 Time Test Ended: 13:13:00  
**Interval: 2750.00 ft (KB) To 2796.00 ft (KB) (TVD)**  
 Total Depth: 2796.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Dustin Ellis  
 Unit No: 3315-Great Bend-340  
 Reference Elevations: 1308.00 ft (KB)  
 1297.00 ft (CF)  
 KB to GR/CF: 11.00 ft

## Serial #: 6839

Press @ RunDepth: 67.54 psia @      ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2013.10.14      End Date: 2013.10.14      Last Calib.: 2013.10.14  
 Start Time: 07:30:00      End Time: 13:13:00      Time On Btm: 2013.10.14 @ 09:07:30  
 Time Off Btm: 2013.10.14 @ 11:37:00

**TEST COMMENT:** 1st Open 30 minutes Fair building blow built to bottom bucket in 14 minutes.  
 1st Shut in 30 minutes No blow back.  
 2nd Open 45 minutes Strong blow blew off the bottom of a 5 gallon bucket of water instantly.  
 2nd Shut in 45 minutes No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1398.33	104.23	Initial Hydro-static
1	88.29	104.24	Open To Flow (1)
31	64.05	107.33	Shut-In(1)
61	1118.12	108.89	End Shut-In(1)
62	89.43	108.64	Open To Flow (2)
105	67.54	109.93	Shut-In(2)
149	1118.88	111.17	End Shut-In(2)
150	1360.43	111.28	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	Gas to surface in 2 minutes into pipe on	0.00
61.00	Mud 100%	0.30

## Gas Rates

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





# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Toto Energy LLC.  
 25815 Oak Ridge. Dr.Spring  
 Texas 77380  
 ATTN: Harley Sayles

**19-33-6w-Cowley**  
**Baker 19-1**  
 Job Ticket: 18570      **DST#: 2**  
 Test Start: 2013.10.14 @ 07:30:00

## Tool Information

Drill Pipe:	Length: 2492.00 ft	Diameter: 3.80 inches	Volume: 34.96 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: 20000.00 lb
Drill Collar:	Length: 260.08 ft	Diameter: 2.25 inches	Volume: 1.28 bbl	Weight to Pull Loose: 73000.00 lb
			<u>Total Volume: 36.24 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.08 ft			String Weight: Initial 59000.00 lb
Depth to Top Packer:	2750.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	74.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			2727.00	
Hydraulic Tool	5.00			2732.00	
Jars	6.00			2738.00	
Safety Joint	2.00			2740.00	
Packer	5.00			2745.00	28.00      Bottom Of Top Packer
Packer	5.00			2750.00	
Anchor	41.00			2791.00	
Recorder	1.00	8524	Inside	2792.00	
Recorder	1.00	6839	Outside	2793.00	
Bull Plug	3.00			2796.00	46.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>74.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Toto Energy LLC.  
25815 Oak Ridge. Dr.Spring  
Texas 77380  
ATTN: Harley Sayles

**19-33-6w-Cowley**  
**Baker 19-1**  
Job Ticket: 18570      **DST#: 2**  
Test Start: 2013.10.14 @ 07:30:00

### Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	8.39 in <sup>3</sup>	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	1200.00 ppm				
Filter Cake:	1.00 inches				

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	Gas to surface in 2 minutes into pipe on	0.000
61.00	Mud 100%	0.300

Total Length: 61.00 ft      Total Volume: 0.300 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



# Pressure vs. Time

