

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1176136

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
□ Oil □ WSW □ SHOW □ 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:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
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 #:	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:
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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:				

Page Two



Operator Name:			Lease Name:			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ing and shut-in pressu	ormations penetrated. Dures, whether shut-in pre ith final chart(s). Attach	ssure reached stati	c level, hydrosta	tic pressures, bott		
		tain Geophysical Data a r newer AND an image f		gs must be ema	iled to kcc-well-log	gs@kcc.ks.gov	. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			n (Top), Depth an		Sample
Samples Sent to Geol	ogical Survey	☐ Yes ☐ No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-o			on, 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 / SQU	EEZE RECORD	I	1	
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Po	ercent Additives	
Perforate Protect Casing Plug Back TD	тор вошот						
Plug Off Zone							
Does the volume of the to	•	n this well? aulic fracturing treatment ex submitted to the chemical o		Yes [Yes [Yes [No (If No, ski)	o questions 2 and question 3) out Page Three	
Shots Per Foot		N RECORD - Bridge Plug			cture, Shot, Cement		
S.13.6 Y 3. Y 33.	Specify Fo	ootage of Each Interval Perf	orated	(Ar	nount and Kind of Ma	terial Used)	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	IR. Producing Meth		Gas Lift C	other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wate	er Bl	bls. G	ias-Oil Ratio	Gravity
				T.O.		DE 0-11-	
DISPOSITION Vented Sold	ON OF GAS: Used on Lease	Open Hole	METHOD OF COMPLE Perf. Dually		nmingled	PRODUCTIO	ON INTERVAL:
(If vented, Sub		Other (Specify)	(Submit A		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	Toto Energy, LLC
Well Name	Adams 35-1
Doc ID	1176136

All Electric Logs Run

CPI Log
Micro Log
Dual Induction Log
Dual Compensated Porosity Log

Form	ACO1 - Well Completion
Operator	Toto Energy, LLC
Well Name	Adams 35-1
Doc ID	1176136

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface Casing	12.25	8.625	24	272	Class A	Calcium Chloride Bentonite
Production Casing	7.875	5.50	15	3590	CLASS A	Calcium Chloride Bentonite



263670

TICKET NUMBER 43716

LOCATION 180

FOREMAN (18 ca) 540 CM

	or 800-457 -86 76			CEMEN	V (AP	IS	- 0,5-	24530-0
DATE	CUSTOMER#	WELL NAME	& NUMBE	ER	SECTION	TOWNSHIP	1	RANGE	COUNTY
10-31-13	8056	Adams	35-)	35	32		5	coulcy
CUSTOMER	I - E -			12		termination.			
JAILING ADDRI	to Eneco	gy			TRUCK#	Jas 4	┿	TRUCK#	DRIVER
25819		De Jan De		J9			+	!	+
ZJOIZ		TATE ZIP CO	DDE	BH	702	B. II H.	╁	<u> </u>	†
Spring		+V 22	332	P	100	·	╅		
	& String B HO	OLE SIZE 77/8		HOLE DEPT	H 3595	CASING SIZE &	WE	GHT <1/2	1536
ASING DEPTH		RILL PIPE		TUBING		_ 0//0///0 0/22 0		THER	
LURRY WEIGH		URRY VOL 60.4			sk	CEMENT LEFT			CF -
DISPLACEMEN'		SPLACEMENT PSI		MIX PSI_	av	RATE	ı , , 0	NOINO_TES	<u> </u>
REMARKS:_	\cap		Run	MIX PSI		Sail la		10	Balle
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2 27	Min	12 Carrier	700	1 2 6	co e !/i	300 99	1	1-010	
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27-GEL	1/0	37 1013	Ya!		KIR COI	mplete.			
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		·							
ACCOUNT							_		
ACCOUNT CODE	QUANITY or	UNITS	DES	CRIPTION 6	f SERVICES or Pl	RODUCT		UNIT PRICE	TOTAL
	QUANITY or			CRIPTION o	f SERVICES or Pl	RODUCT	T		
CODE	QUANITY or		CHARGE	CRIPTION o	f SERVICES or Pl	RODUCT		০৪১,১০	
5401 5404	QUANITY or	PUMP	CHARGE				1		
5401 5404	QUANITY or 1 55 55 250	PUMP MILEA	charge ge 25	ton	f SERVICES or PI		2	085.00 1.20 1.41	1085,00 2.31,00 911,21
5401 5404	1 55 55 250	PUMP MILEA 11,	CHARGE GE 25				2	০৪১,১০	1085,0 2231,00 911,21 3925.00
CODE 5401 5406 5407 A 11045 118 B	55 55 250 1000	PUMP MILEA 11, Cla	CHARGE GE 25	ton	mileage		2	085.00 1.20 1.41	1085,00 2.31,00 911,21
CODE 5401 \$406 5407 A 1045 118 B	1 55 55 250 1000 400	PUMP MILEA II. Cla	CHARGE GE 75 155 21 21 21 21 21 21 21 21 21 21 21 21 21	ton			2	085.00 1.20 1.41	1085,0 2231,00 911,21 3925.00
CODE 5401 5406 5407 A 1045 118 B 102 110 A	1 55 55 250 1000 400 1250	PUMP MILEA II. Cla GE UCC	CHARGE GE 75 iss / alcin	ton	mileage		2	085.00 1.20 1.41	1985,00 2.381,00 3925,00 220,00 312,00 575,00
CODE 540 \$406 5407 A 1045 118 B	1 55 55 250 1000 400	PUMP MILEA II. Cla	CHARGE GE 75 iss / alcin	ton	mileage		2	085.00 1.20 1.41	1085,0 2231,00 911,21 3925.00
CODE 5401 5402 5407 A 1045 118 B 102	1 55 55 250 1000 400 1250	PUMP MILEA II. Cla GE UCC	CHARGE GE 75 ACIA LLCIA	ton	mileage		2	085.00 1.20 1.41	1985,00 2.381,00 3925,00 220,00 312,00 575,00
CODE 5401 5402 5407 A 1045 118 B 102	1 55 55 250 1000 400 1250	PUMP MILEA II. Cla Ge Kol Fox	CHARGE GE 75 155 21 21 21 21 21 21 21 21 21 21 21 21 21	ton	mileage hloride		2	085.00 1.20 1.41	1985,00 2.381,00 3925,00 220,00 312,00 575,00
CODE 5401 5402 5407 A 1045 118 B 102	1 55 55 250 1000 400 1250	PUMP MILEA II. Cla GE KO Foo	CHARGE GE 75 155 21 21 21 21 21 21 21 21 21 21 21 21 21	ton 4 m 1	mileage hloride		2	085.00 1.20 1.41	1285.00 231.00 3925.00 220.00 312.00 575.00 230.00 454.50
CODE 5401 5402 5407 A 1045 118 B 102	1 55 55 250 1000 400 1250 1000	PUMP MILEA II. Cla GE Vo. Ko Fox S=2/2	CHARGE GE 75 155 21 21 21 21 21 21 21 21 21 21 21 21 21	ton 4 m 1	mileage hloride		2	085.00 1.20 1.41 5.70 22 28 46 123	1285.00 231.00 3925.00 220.00 312.00 575.00 230.00 454.50
CODE 5401 5402 1045 118 13 102 110 A 1402 1134 1134	1 55 55 250 1000 400 1250 1000	PUMP MILEA II. Cla GE Ko For	CHARGE GE 75 alcin Llage	ton 4 u u u skets F4 =	mileage chloride		2	085.00 1.20 1.41 5.70 22 28 46 123 23.75 290.00	1285.00 231.00 211.21 3925.00 220.00 312.00 230.00 230.00 454.50 580.00 361.00
CODE 5401 5402 1045 118 13 102 110 A 402 1134 1134	1 55 55 250 1000 400 1250 1000	PUMP MILEA II. Gla GLA KO FOR S'/A S'/A	CHARGE GE 75 Alcivated Lago Lago Lago Lago Lago Lago Lago Lago	ton the state of	mileage chloride		2	085.00 1.20 1.41 5.70 22 28 46 123 23.75 290.00	1985,0 231,00 3925,00 220,00 312,00 575,00 230,00 454,50 580,00
CODE 5401 5402 1045 118 13 102 110 A 402 402 4134 1184	1 55 55 250 1000 400 1250 1000 6	PUMP MILEA II. Cla GE KO FOR S'/2 S'/2 S'/2	CHARGE GE 75 Alcivated Lago Lago Lago Lago Lago Lago Lago Lago	ton 4 u u u skets F4 =	mileage chloride		2	085.00 1.20 1.41 5.70 22 28 146 123 35.75 190.00 166.75	1285.00 231.00 211.21 3925.00 220.00 312.00 230.00 230.00 454.50 580.00 361.00
CODE 5401 5402 1045 118 13 102 110 A 402 402 4134 1184	1 55 55 250 1000 400 1250 1000 6	PUMP MILEA II. Cla GE KO FOR S'/2 S'/2 S'/2	CHARGE GE 75 Alcivated Lago Lago Lago Lago Lago Lago Lago Lago	ton the state of	mileage chloride		2	085.00 1.20 1.41 5.70 22 28 146 123 35.75 190.00 166.75	1285.00 231.00 211.21 3925.00 220.00 312.00 230.00 230.00 454.50 580.00 361.00
CODE 5401 5402 1045 118 13 102 110 A 402 402 4134 1184	1 55 55 250 1000 400 1250 1000 6	PUMP MILEA II. Cla GE KO FOR S'/2 S'/2 S'/2	CHARGE GE 75 Alcivated Lago Lago Lago Lago Lago Lago Lago Lago	ton the state of	mileage chloride		7	085.00 1.20 1.41 5.70 22 28 146 1.23 25.75 290.00 266.75 10	1985.00 231.00 3925.00 220.00 312.00 230.00 230.00 230.00 230.00 230.00 24.75 N//
CODE 5401 5406 5407 A 1045 118 B 102 110 A 1402 1136 1136 1154	1 55 55 250 1000 400 1250 1000 6	PUMP MILEA II. Cla GE KO FOR S'/2 S'/2 S'/2	CHARGE GE 75 Alcivated Lago Lago Lago Lago Lago Lago Lago Lago	ton the state of	mileage chloride		7	085.00 1.20 1.41 5.70 22 28 146 1.23 25.75 290.00 266.75 10	1231,00 231,00 3925,00 220,00 312,00 575,00 230,00 454,50 580,00 361,00
CODE 5401 5402 1045 118 13 102 110 A 402 402 4134 1184	1 55 55 250 1000 400 1250 1000 6	PUMP MILEA II. Cla GE KO FOR S'/2 S'/2 S'/2	CHARGE GE 75 Alcivated Lago Lago Lago Lago Lago Lago Lago Lago	ton the state of	mileage horide			085.00 1.20 1.41 5.20 22 28 46 1.23 290.00 166.75 10	1985.00 2.31,00 3925.00 220,00 312,00 575,00 230,00 230,00 2454,50 361,00 242,75 N//
CODE 5401 5402 5407 A 1045 118 B 102 110 A 402 413 G 113 G	1 55 55 250 1000 400 1250 1000 6	PUMP MILEA II. Cla GE KO FOR S'/2 S'/2 S'/2	CHARGE GE 75 Alcivated Lago Lago Lago Lago Lago Lago Lago Lago	ton the state of	mileage chloride			085.00 1.20 1.41 5.70 22 28 146 1.23 25.75 290.00 266.75 10	1231,00 231,00 3925.00 220,00 312,00 230,00 230,00 230,00 2454,50 2580,00 264,75 N///
CODE 5401 5402 5407 A 1045 118 B 102 110 A 402 413 A 118 A 118 A 118 A 118 A 118 A 118 A 118 A 118 A	1 55 55 250 1000 400 1250 1000 6	PUMP MILEA II. Cla GE KO FOR S'/2 S'/2 S'/2	CHARGE GE 75 Alcivated Alc	ton the state of	mileage chloride			085.00 1.20 1.41 5.70 22 28 46 1.23 3.75 290.00 66.75 10	1985,0 231,00 3925,00 220,00 312,00 230,00 230,00 2454,50 580,00 24,75 N/1



263521

TICKET NUMBER LOCATION 180

FOREMAN JERShe

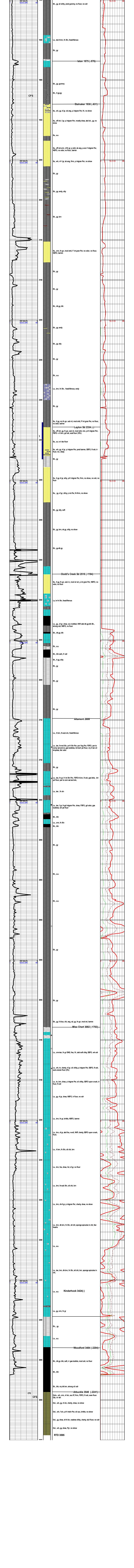
DATE	CUSTOMER# WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY			
0/26/13	80.56	Adams	35-1	35	32	5	Cowley		
USTOMER									
Toto	Energy			TRUCK#	DRIVER	TRUCK#	DRIVER		
AILING ADDRE	ss J/			446	Josh G				
2581	5 OakR	idae dr		681	Jeremum				
TY		STATE ZIP C	ODE	539	Jeff 5				
Sprin			380	707					
B TYPE SU		HOLE SIZE 12 Y	HOLE DEPT	Н	CASING SIZE & W	EIGHT 85/	r		
		DRILL PIPE	TUBING			OTHER			
URRY WEIGH		SLURRY VOL 44.	8 WATER gal/	sk	CEMENT LEFT in	CASING			
SPLACEMENT		DISPLACEMENT PSI_			RATE 4,5				
						CCA CO.	mant		
MARKS:	9+ ETY ME	eting Brok	polyflake d	npea 100	1141 111	1- 0-01	nen i		
3% 091	CIUM A	16 GET 1/2 1b	00/4+ 14 NE 0	150 MCEN	WILL TOO	STROM	WYIEL		
									
5.6.5									
- 1 18					4.				
						3-1-			
ACCOUNT	QUANITY	or UNITS	DESCRIPTION (of SERVICES or P	RODUCT	UNIT PRICE	TOTAL		
CODE	QUANITY OF UNITS DESCRIPTION OF SE				DISERVICES OF PRODUCT				

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	870,00	870.00
5406	44	MILEAGE	4.20	184.80
	2.51bc	Suggr	.80	nacharge
1102	444169		.78	346.32
1118\$	370 Bs	Gel	,22	81.40
1107	75 Ks	Polyflake	2.47	185.25
5407A	9 ton	Ton Milegge Delivery	1.41	558,36
4432	j	85/8 wooden Plug	84.00	84.00
11045	1865ks	C1955 A Cement	15.70	2904,50
			Subtotal	5214.63
		(3)	,	(420 = 0
Ravin 3737		6.4	SALES TAX ESTIMATED	£3050

AUTHORIZTION OCO DILI OS

15445.13 TOTAL 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.



HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE

	11/19/2013	Last Fracture Date:
1	Cowley	County:
	15-035-24530-	API Number (14 Digits):
	Toto Energy, LLC	Operator Name:
	Adams 35-1	Well Name and Number:
	37.2235679	Latitude:
	-96.8447919	Longitude:
	NAD 27	Datum:
	Oil	Production Type:
	3595	True Vertical Depth (TVD):
	269 760	Total Rase Fluid Volume (gal)*.



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS#)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Authorized Representative's Name, Address and Phone Number
CL Substitute KCL-8001	Consolidated				0	MACHERINA PROPERTY OF THE PERSON OF THE PERS	
riction Reducer SP-902	Consolidated		Hydrotreated light distallate	064742-27-8	35%		
Friction Reducer SP-902	Consolidated	Mar. Pos Teles. A.	Petroleum Distallate	64742-94-5	40%		
Clay Stay CS-250 CS-702	Consolidated		Methanol	67-56-1	20%		
Clay Stay CS-250 CS-702	Consolidated		Isopropanol	67-63-0	5%		
BIOSTAT 650	Consolidated		Methanol	67-56-1	20%		
BIOSTAT 650	Consolidated		Isopropanol	67-63-0	5%		
SR-445	Consolidated		Isopropanol	67-63-0	Confidential		
L5% KCL Acid	Consolidated		Hydrogen Chloride	7647-01-0	38%		
Acid Inhibitor AI-260	Consolidated		Ethylene Glycol	107-21-1	20%		
Acid Inhibitor AI-260	Consolidated		N, N-Dimethyl Formahide	68-12-2	20%		
Acid Inhibitor Al-260	Consolidated		2-Butoxyethanol	111-76-2	5%		
ron Control SP-950	Consolidated		Citric Acid	77-92-9	Confidential		
ngredients shown above a	are subject to 29 CRF 191	10.1200(i) and appear o	n Material Safety Data Sheets (MSDS).	Ingredients shown below are	Non-MSDS.		
16/30 Reisin Coated	Consolidated		Quartz (Crystalline Silica)	14808-60-7	0.25%		
30/50 White Sand	Consolidated		Quartz (Crystalline Silica)	14808-60-7	1.86%		
2040 White	Consolidated		Quartz (Crystalline Silica)	14808-60-7	1.49%	46	
Water			8780 Bbls		95.21%		
	-						
	1		+				
	 						

*Total Water Volume sources may include fresh water, produced water, and/or recycled water. **Information is based on the maximum potential for concentration and thus the total may be over 100% Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers' Material Safety Data Sheets (MSDS).