

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1063720

Form ACO-1 June 2009 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:			West
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 Conv. to GSW Plug Back: Plug Back Total Depth Commingled Permit #: Dual Completion Permit #: SWD Permit #: ENHR Permit #:		Feet from North / South Line of	f Sectior
		Feet from Cast / West Line of	
	·	Footages Calculated from Nearest Outside Section Corner:	
(, , , , , , , , , , , , , , , , , , ,		County:	
		Lease Name: Well #:	
		Field Name:	
5			
		Producing Formation:	
		Elevation: Ground: Kelly Bushing:	
New Well	e-Entry Workover	Total Depth: Plug Back Total Depth:	
Oil WSW	SWD SIOW	Amount of Surface Pipe Set and Cemented at:	Feet
Gas D&A	ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No	
OG	GSW Temp. Abd.	If yes, show depth set:	Feet
CM (Coal Bed Methane)		If Alternate II completion, cement circulated from:	
Cathodic Other (Co	ore, Expl., etc.):	feet depth to:w/	_ sx cmt
If Workover/Re-entry: Old Well I	nfo as follows:		
Operator:			
Well Name:		Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)	
Original Comp. Date:	Original Total Depth:		
	rf. Conv. to ENHR Conv. to SWD	Chloride content: ppm Fluid volume:	bbls
		Dewatering method used:	
Plug Back:		Location of fluid disposal if hauled offsite:	
	Permit #:	Operator Name:	
Dual Completion	Permit #:	Operator Name:	
SWD	Permit #:	Lease Name: License #:	_
ENHR	Permit #:	Quarter Sec TwpS. R East	West
GSW	Permit #:	County: Permit #:	
Spud Date or Date Recompletion Date	eached TD Completion Date or Recompletion Date		

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					
Letter of Confidentiality Received					
Date:					
Confidential Release Date:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					

	Side Two	
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		Log Formatio	n (Top), Depth an	d Datum	Sample
·	,		Nar	ne		Тор	Datum
Samples Sent to Geolog	gical Survey	Yes No					
Cores Taken		🗌 Yes 🗌 No					
Electric Log Run		🗌 Yes 🗌 No					
Electric Log Submitted E	Electronically	Yes No					
(If no, Submit Copy)							
List All E. Logs Run:							
		CASIN		lew Used			
					ion oto		
			et-conductor, surface, ir	itermediate, product		1	1
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: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated						ement Squeeze Record of Material Used)	Depth		
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner F	Run:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	λ .	Producing N	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:			METHOD		F COMPLETION: PRODUCTION INTER			FERVAL:		
Vented Solo	d	Used on Lease		Open Hole	Perf.	Uually (Submit A	Comp. ACO-5)	Commingled (Submit ACO-4)		
(If vented, Su	bmit ACC)-18.)		Other (Specify)				. ,		

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Franklin County, KS Well: Killough 4-W Lease Owner: TOC

WELL LOG

Thickness of Strata	Formation	Total Depth
3	Soil	3
10	Lime	13
9	Shale	22
10	Lime	32
6	Shale	38
22	Lime	60
13	Shale	73
4	Lime	77
24	Shale	101
32	Lime	133
59	Shale	192
21	Lime	213
20	Shale	233
2	Red Bed	235
2	Sandy Shale	237
4	Lime	241
35	Shale	276
9	Lime	285
3	Shale	288
2	Slate	290
19	Shale	309
16	Lime	325
4	Shale	329
8	Slate	337
25	Lime	362
5	Shale	367
5	Lime	372
2	Shale	374
4	Lime	378
115	Shale	493
20	Sandy Shale	513
27	Shale	540
10	Lime	550
7	Shale	557
8	Lime	565
11	Shale	576
10	Lime	586
10	Shale	596
2	Lime	598
7	Shale	605

Franklin County, KS Well: Killough 4-W Lease Owner: TOC

Town Oil Company, Inc. (913) 294-2125

9	Lime	612
13	Shale	625
5	Lime	630
3	Shale	633
1	Sand	634
4	Sand	638
40	Sandy Shale	688
4	Sand	692
14	Sandy Shale	706
4	Sand	710
32		742-TD
	Sandy Shale	742-1D
	+ +	
	+ +	

-	NOOLBATED			TICKET NUMB		794
	Well Services, LLC			LOCATION O	Hawa K	S dy
O Box 884, Cha 20-431-9210 or	nute, KS 00/20	LD TICKET & TRE		ORT		
	CUSTOMER # WEL	L NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8/29/11	7823 Killoug	h# 4 W	SE I	[7]	21	FR
CUSTOMER	ON C		TRUCK #	DRIVER	TRUCK #	DRIVER
AILING ADDRES			506	FREMAD	Satch	make
16205	- th		495	CASKEN	(IC	0
CITY	STATE	ZIP CODE	558	DERMAS	DM	
Park	KS	66071				
OB TYPE LOY	NG Strin, HOLE SIZE	5% HOLE DEF		CASING SIZE & W	VEIGHT_278	EUE
CASING DEPTH_	737 DRILL PIPE_	Pin in TUBING	@ 732		OTHER	1 1 1-1
LURRY WEIGHT	SLURRY VOL	WATER ga	al/sk	CEMENT LEFT in		Tog to
DISPLACEMENT_	2.92 B ADASPLACEME		the of t	RATE 4BA		102
REMARKS: ES		Mixx Pump	-	Vy Ya Sovi		Jozi
SK		Coment 2% Co		1	ess pin	
Pump	* likes clean	i della presente de	1 1	esseve X	0 700 Y	51
Cash		Construction of the Constr		A 1	8 /00 /	01
Hold	Pressure for	30 min MIT.	Shut 1	a casing		
		-f		Λ .		
<u> </u>			1	1 ai		
Quetan	er Supplied L	Vater.	L	Find Ma	de	
Coston	<u>ar oppres</u>		/			1
ACCOUNT	QUANITY or UNITS	DESCRIPTIO	N of SERVICES or P	RODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		495		97500
5406	10 mi	MILEAGE		495		4000
5402	737	Casing Foot	æge	CHARLES CONTRACTOR		NIC
5407	Minimum	-Ton Miles	1			3300
			and the second			
112.1		50/00 Day 10	nix (and the	×		106520
1124	102 sks 272#	SO/SO Por M Premium 2" Robber	C.O			5440
1118B	212"	/ vermioner	in			28.00
4461	1	2 Robber	Pisc			0-0
						-
				0		
	1		A	74	1	
			7438	51.		
			14		1	
			de			
				7.8%	SALES TAX	8951
Flavin 3737	,	1			ESTIMATED	258281

Ravin 3737

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

TITLE

TOTAL

DATE