

#### Kansas Corporation Commission Oil & Gas Conservation Division

149824

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:	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 #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:  Deepening Re-perf. Conv. to ENHR Conv. to SWD  Conv. to GSW	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
ENHR Permit #:	County: Permit #:
GSW Permit #:	. 5
Spud Date or Date Reached TD Completion Date or Recompletion Date  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 Approved by: Date:

Side Two



Operator Name:			Lease Name: _			_ Well #:	
Sec Twp	S. R	East West	County:				
time tool open and clo	osed, flowing and shu es if gas to surface te	d base of formations pen t-in pressures, whether s st, along with final chart( well site report.	hut-in pressure read	ched static level,	hydrostatic press	sures, bottom h	ole temperature, fluid
Drill Stem Tests Taker (Attach Additional		Yes No	L	og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geo	ological Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes No Yes No Yes No					
List All E. Logs Run:							
		Report all strings set-o		ermediate, producti			
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 / SQL	 JEEZE RECORD			
Purpose:  —— Perforate  —— Protect Casing	Depth Top Bottom	Type of Cement	# Sacks Used		Type and F	Percent Additives	
Plug Back TD Plug Off Zone							
	DEDEODATI	ON DECORD - Dridge Dive	o Cot/Time	Acid Fro	cture, Shot, Cemen	t Squaaza Baaar	4
Shots Per Foot	Specify I	ON RECORD - Bridge Plug Footage of Each Interval Per	forated		mount and Kind of Ma		Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Meth		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wat	er B	ols. (	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF GAS:		METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:
Vented Solo		Open Hole	Perf. Dually	Comp. Cor	nmingled		
(If vented, Su	bmit ACO-18.)	Othor (Specify)	(Submit )	400-5) (Sub	mit ACO-4)		

## McGown Drilling, Inc. Mound City, Kansas

#### Operator:

A&L Energy, LLC New York, NY

#### Thoren #102

Douglas Co., KS 6-14S-21E API: 045-21958

Spud Date: 7/2/2013 **Surface Casing:** 7" Surface Length: 43.0' **Surface Cement:** 

8 sx

Surface Bit: 9.875" **Drill Bit:** 6.125" Longstring: 730.75' Longstring Date: 7/3/2013

### **Driller's Loa**

	4155	
Top	Bottom	Formation Comments
0	12	Soil & Clay
12	42	Shale
42	75	Lime
75	83	Shale
83	87	Lime
87	97	Shale
97	114	Lime
114	128	Sandy Shale
128	146	Shale
146	170	Lime
170	217	Shale
217	225	Lime
225	238	Shale
238	252	Lime
252	274	Shale
274	283	Lime
283	302	Shale
302	316	Lime
316	327	Shale
327	347	Lime
347	350	Shale
350	354	Lime
354	364	Shale
364	384	Lime
384	397	Shale
397	403	Lime

### Thoren #102 Douglas Co., KS

4	03	418	Shale	
4	18	428	Sandy Shale	
4.	28	571	Shale	
5	71	576	Lime	
5	76	612	Shale	
6	12	615	Coal	
6	15	671	Shale	
6	71	677	Sand	671-73 - laminated, spotty oil
6	77	686	Shale	673-76 - Sandy, heavy oil bleed
68	86	689	Coal	676-80 - Sandy shale, light oil bleed
68	89	714	Shale	, , , , , , , , , , , , , , , , , , , ,
7	14	716	Coal	
7	16	742	Shale	
74	42	TD		

## Coring

Run	Footage
1	672-692



260217

TICKET NUMBER 42117

LOCATION OHTOWA KS

FOREMAN Fred Made

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

# FIELD TICKET & TREATMENT REPORT

020-431-9210	or 800-467-8676		CEMI	FNT			
DATE	CUSTOMER#	WE	LL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-3- /3 CUSTOMER	3888	Thora	1-# 102	6	14	The Party of the Control of the Cont	
The state of the s	-				2 - 10 - 1	1 21	L DG
MAILING ADD	Energy De	remothy	hhe	TRUCK #	DRIVER	TRUOK #	<del></del>
ACCOUNT OF A STATE OF		U		712		TRUCK#	DRIVER
575	Madison	Ave 2	and FL	495	FreMad	<del></del>	
CITY	ST	ATE	ZIP CODE		Har Bec		
New	Ynork	NY	10022	369	Dermas		
		LE SIZE		510	Sex Tuc	7,33	
CASING DEPT	0. <del>n-</del>				CASING SIZE &	WEIGHT 27	SUF
	LANGE C		TUBING_			OTHER	
SLUKKT WEIG	HTSL	URRY VOL_	WATER ga	l/sk	CEMENT LEFT IN		01.
DISPLACEMEN	17 9.29 88 C DIS	PLACEMEN	IT PSI MIY DEI		- 41	onsing are	Pia
REMARKS:	told areas r	MXLL	Establial	- N 1 MI.			
Flu	sh Mirt	Pinner 6	Establish a	Treviation.	HILXYP	LMA 100	Gel
cula	lo a Ou	race.	Flush pump	+ lmes cl	ean Dis	place 5	X h
						6.10000	
pre	ssure to	Sex F	loax Valve. S	chut m ca	·C da	M. Pago	
				N. S.			
					1		
Ma	Gown Drill		C'a1+-		Lud X	lach	
	DOWN DYIII	·Yy-	Call		/		
ACCOUNT		· ·					2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
CODE	QUANITY or U	NITS	DESCRIPTION of	of SERVICES or PRO	DUCT	UNIT DOLOR	TO THE STATE OF TH
5401	1		PUMP CHARGE			UNIT PRICE	TOTAL
5406			Valuation of the second		495		108500
7		mi	MILEAGE				

CODE	QUANITY or UNITS	DESCRIPTION of SERVICES	or PRODUCT	UNIT PRICE	1
5401		PUMP CHARGE			TOTAL
5406	30mi	MILEAGE	495		10850
5402	730	Casing footage	495		126
5407	Minimum	Ton Miles			N/C
55026	2240	60 BBL Vac Truck			368
		No DBC Vac Truck	369		225
1126	945Ks	OWC Cement			
1118-8	100+	Premium ad			18565
1107	24#	Flores o			220
4402	1	25 Rubber Plug			592
		Jan Accordance			2950
3737		1	7.15%	SALES TAX	140.66
HORIZTION	Tarred Hopkin b	Dy Phone TITLE		TOTAL	3911 94

l 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