

## Kansas Corporation Commission Oil & Gas Conservation Division

### 1147401

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:	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?
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  Plug Back: Plug Back Total Depth  Commingled Permit #:  Dual Completion Permit #:  SWD Permit #:  ENHR Permit #:	Chloride content: ppm Fluid volume: bbls  Dewatering method used:  Location of fluid disposal if hauled offsite:  Operator Name:  Lease Name: License #:  Quarter Sec TwpS. R
GSW Permit #:	County: Permit #:
GSW Permit #:  Spud Date or Date Reached TD Completion Date or Recompletion Date	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					
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

1147401

Operator Name:				_ Lease N	lame:			Well #:		
Sec Twp	S. R	East	West	County:						
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures, st, along with f	whether sh inal chart(s	nut-in press	ure reach	ed static level,	hydrostatic pres	sures, bottom h	ole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional S		Yes	No		Log	y Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор	I	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes Yes Yes	☐ No ☐ No ☐ No							
List All E. Logs Run:										
		Report all	CASING I		New	Used mediate, producti	on, etc.			
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weigi Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent dditives
		AI	DDITIONAL	CEMENTIN	G / SQUE	EZE RECORD				
Purpose:         Depth Top Bottom         Type of Cement           — Perforate         — Protect Casing         — Plug Back TD           — Plug Off Zone         — Plug Off Zone		ement	# Sacks	Used		Type and	Percent Additives			
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Specify Footage of Each Interval Perfor			s Set/Type orated			cture, Shot, Cemei mount and Kind of N		d	Depth
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:				
Date of First, Resumed	Production, SWD or EN		ducing Meth	od:		as Lift C	Yes No	0		
Estimated Production Per 24 Hours	Oil	Bbls.		Mcf	Water		ols.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		M	IETHOD OF	COMPLET	ION:		PRODUCTIO	ON INTER	VAL:
Vented Sold	Used on Lease	Open	Hole (Specify)	Perf.	Dually (		nmingled mit ACO-4)			



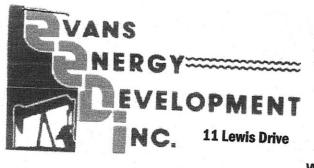
TICKET NUMBER	39031
LOCATION Q >+ a	wa
FOREMAN Alan	

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

FIELD TICKET & TREATMENT REPORT

OVERLAND PARK KS 16210  OVERLAND PARK KS 16210  JOB TYPE LONG STOCKS HOLE SIZE 33/8 HOLE DEPTH 9/5 CASING SIZE AND DIRECTIONS STOCKS HOLE SIZE 33/8 HOLE DEPTH 9/5 CASING SIZE AND OTHER SLURRY WEIGHT 21/8  SLURRY WEIGHT SLURRY VOL WATER PAINS CEMENT LEFT IN CASING YES  SLURRY WEIGHT SLURRY VOL WATER PAINS CEMENT LEFT IN CASING YES  SEMARKS: Held Meeting Established rate for Tarked out of Gole  DOOKSE FITTING ON CASING + CASING FULL INTO INDIC. PUT NIGHT	DATE	OHOTO: TO			CEMEN	T			<i>i</i>
TRUCKS PORVER TRUCKS DRIVER  KANGAN NESOUNCES EAD TRUCKS DRIVER  TRUCKS DRIVER TRUCKS DRIVER  GS93 W 10 th 3 16 16 16 16 16 16 16 16 16 16 16 16 16			WELLN	AME & NUM		SECTION	TOWNSHIP	RANGE	COLINTY
MALING ADDRESS  GRADE STATE  GR		4448	Guedter	man	#KRI-	15 NW2	0 14	27	
MALLING ADDRESS  GRUPE  GRAND  GRAND  CHITY  STATE  CHITY  STATE  CHITY  STATE  CHITY	1/	sas Reso		and the second		1000		100	10
STATE SINTE		RESS	urces !			1-17	71.	TRUCK#	DRIVER
OVER JANK KS 66010  SS BYE Man BM  JANK BY OVER JANK STATE STATE STATE STATE STATE  SALIKAT WEIGHT  SALIKAT VOL.  WATER PAINS  SALIKAT VOL.  WATER PAINS  SALIKAT VOL.  WATER PAINS  OTHER  OTHER  SALIKAT VOL.  WATER PAINS  OTHER  OTHER  SALIKAT VOL.  WATER PAINS  OTHER  SALIKAT VOL.  WATER PAINS  OTHER  SALIKAT VOL.  WATER PAINS  OTHER  OTHER  OTHER  OTHER  OTHER  SALIKAT J VS.  SALIKAT VOL.  WATER PAINS  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  SALIKAT J VS.  SALIKAT VOL.  WATER PAINS  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  SALIKAT J VS.  SALIKAT VOL.  WATER PAINS  OTHER  OTHE	9393	11/11/	2+4			316	HaMad	Safei	1 Mees
OVER-LONG STOCK NO 16410  JOB TYPE LONG STOCKS HOLE SIZE 5378  HOLE DEPTH 915  CASING SIZE & WEIGHT 2 1/8  SURRY WEIGHT  SURRY VOL WATER BAILS  SURRY WEIGHT  MATER BAILS  MATER BAILS  MATER BAILS  SET HIS BAILS  MATER BAILS  WATER BAILS  WE AND THE 4 SEMBLE PRES  THE 4 SEMBLE FOR SAING PRES  FOR THE 4 SEMBLE PRES  FOR	CITY		STATE ZI	P CODE	,	368	Mr (Mal)	AM	
JOB TYPE LONG STOLMS HOLE SIZE 53/8 HOLE DEPTH 915 CASING SIZE A WEIGHT 2 1/8  ZASING DEPTH 905 DRILL PIPE TUBING DISPLACEMENT SILVRRY VOL WATER GAINE DISPLACEMENT SILVRRY DISPLACEME	Overlan	vl Park				369	Der Mas	DM	
CASING DEPTH 905 DRILL PIPE TUBING OTHER SLURRY WEIGHT SLURRY YOL WATER PAILS CEMENT LEFT IN CASING YES  REMARKS: Hold Meethy Established rate. Pipe Tacked out of hole Droke fitting on Casing & casing fell into hole. Put nig Back out well speared casing typeled back to Surface Rich blue through casing. Established rate assin. Misrd & Droke fitting on Casing & casing typeled back to Surface Rich blue through casing. Established rate assin. Misrd & Droke fitting seen for sack through the seen of hole Back out well speared casing typeled back to Surface Planged 180 feel followed by 12 feel oak to Surface Planged 180 feel followed by 12 feel oak to Surface Planged 180 feel followed by 12 feel oak to Surface Planged 180 feel followed by 12 feel oak to Surface Planged 180 feel followed by 12 feel oak to Surface Planged 180 feel followed by 12 feel oak to Surface Planged 180 feel feel feel feel feel oak to Surface Planged 180 feel feel feel feel feel feel feel fee	1.	7		7-	HOLE DEBTU	915	Bre Man	BM	
SLURRY WEIGHT  SLURRY VOL  MATER gallisk  CEMENT LEFT I CASING YES  NISPAGEMENT S / 4 DISPAGEMENT PSI 800 MIX PSI 200  RATE 4 6 BM  RAT	CASING DEPTH	Van-			The second second second		CASING SIZE & V	,	7/8
DISPLACEMENT JAY DISPLACEMENT PSI 800 MIX PSI 200  REMARKS: Hold neether Established rate, Pipe Tacked out of hole  DEMARKS: Hold neether Established rate, Pipe Tacked out of hole  Deach art wall seared casing fell into hole. Put rise  Deach art wall seared casing typled back to Surface  As blew through casing. Established rate assin, Mixed to  Dampet 100 cell tollowed by 1245 K 50150 cement flag 236  Baymon tumbed 2 plags to casing to wholes coming to surfa  Displace closed value. Had gas or air bubbles coming to surfa  Dubbles were slowly diving down as we left.  Ecas Mitchell  Account QUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL  TYO B 30 MILEAGE 368 120.00  TYO 1 PUMP CHARGE 368 120.00  TYO 2 905 Casins tootage 368 120.00  TYO 2 905 Casins tootage 368 350.00  TYO 3 12 40 40 40 40 40 40 40 40 40 40 40 40 40						,	OFMENT I I	- Control of the cont	-
REMARKS: Hold neetins Established rate, fire Tacked out of hole probe fitting on Casins + casins fell into hole. Put rig back over well speared casins to led back to surface his blew through casins. Established rate again Mixed + lumped 1905 sel followed by 1245 ks 50150 cement flag 220 sel to 184 through seal persack. Circulated cement Flushed flowed by 1245 ks 50150 cement flag 220 sel to 184 through seal persack. Circulated cement Flushed flowed by 1245 ks 50150 cement flag 220 sel to 185 through seal persack. Circulated cement Flushed flowed flower as we left.  Flowed Loosed unite to tag gas or air bubbles comins to surface and through a flower as we left.  Exams Mitchell account quantry or units of services of product unit price total.  That I pump charge 368 120.00  5402 905 casins tootage 368 120.00  5402 905 casins tootage 368 120.00  5502( 3/2 80 use 367 315.00  1124 124 124 50150 cement 125 126 00  1128 308 flower as services of product 125 126 00  1129 129 plag 56000  SALESTAX 117.27  ESTIMATED 3490.75  TOTAL 3490.75		-11		~			/	CASING_ VE	<u> </u>
proble fitting on casing to casing to the part of balled back are well. Secret easing to file into hole. But right filed back to Surface fished rate again. Mixed to langed look to Surface fished rate again. Mixed to langed 1905 sel to lowered by 1245 K 50150 content plag 222 sel to the personal personal. Content plag 222 sel to the personal personal to content plag 222 sel to the personal personal to content plag 222 sel to the personal personal to content plag 222 sel to the personal personal to content plag 222 sel to the personal personal to content plag 222 sel to the personal personal to content plag 222 sel to the personal personal to content personal to surface account of the personal personal to surface account of the personal personal to surface account of the personal personal personal to surface account of the personal persona	REMARKS: 1								0
back over Well. Speared casing typiled back to Surface Ris blew through casins. Esta blished rate again. Mixed to lumped 100th get followed by 124 sls 5050 coment play 220.  Set that them seul per sack. Circulated coment plays again.  Bump. Tumped 2 plags to casins the Well 800 RST. Set flock Closed under Had gas or air bubbles coming to surfa  Bubbles were slowly dying down as we left.  Evans Mitchell  Account quanty or units  Description of services or product  Unit price Total.  Thol  The 30 Mileage 368 100.00  SHD2 905 Casins tootage 368 100.00  SHD2 905 Casins tootage 368 350.00  SHD2 905 Casins tootage 368 350.00  SHD2 905 Casins footage 368 79.00  H184 124 50150 coment 185 358 350.00  1124 124 124 50150 coment 185 5600  1137 124 124 50150 coment 185 5600  1180 308 plag 5600  SALESTAX 117.27  ESTIMATED TOTAL 3490.72	broke 4	2.111	0			0,1	Jacked	outo	F hole
Richell through Casins. Esta blighed rate asain. Mixed through 100 to the followed by 1245 15 50 50 coment flux 22 32 32 to 12 throused per cack. Circulated cement flushed graph of the flushed per cack. Circulated cement flushed flushed flushed per cack. Circulated cement flushed flush	heck	20180 112	11 0	,	-	,	nto holi	e. Py	t rig
Cooper of the seal per sack Circulated cement plus 22 gramp. Themps seal per sack Circulated cement flushed flushed flushed cannot flushed flushed flushed cannot flushed flushed flushed soon in state flushed cannot closed value. Had gas or air bubbles coming to surfe bubbles were slowly dying down as we left.  Evans Mitchell account quantity or units description of services or product unit price total fill flushed soon and maked the flushed soon flushed flushed for the flushed soon flushed	Ric bles	w through	, ,		19,1		FORCK TO	Surta	960
Gel + 12theras seal per sack Circulated cement Flushers  Jumped 2 plass to casing the well 800 RST. Set  Flock Closed value. Had gas or air bubbles coming to surfe  Dubbles were slowly dying down as we left.  Account Guanity or units  Account Guanity or units  DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL  THOI 1 PUMP CHARGE 368 1/030.05  5406 30 MILEAGE 368 1/20.00  5402 905 Casing footage 368  5401 Min ton miles 588  1127 Min ton miles 588  1129 1 124 124 50150 ceneut 369  1124 124 50150 ceneut 587.2  1124 124 50150 ceneut 569  1124 124 50150 ceneut 5600  1124 124 50150 ceneut 5600  1124 124 50150 ceneut 5600  1124 125 1260  1125 127 plag 5600  SALESTAX 117.27  ESTIMATED TOTAL 3490.72	Oumord	100 th 00	1 +0/10	wech	2 17W	1 1 -	9-59	n. Mix	ed of
Gump. Fumped 2 place to casine the well held RDO RST. Set floch Closed value, Had gas or air bubbles coming to surfe bubbles were slowly dring down as we lept.  Evans Mitchell AlemMala.  Account QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL  540 30 MILEAGE 368 120.00  540 30 MILEAGE 368 120.00  540 405 Cassins footage 368 350.00  55026 372 80 vac 369 315.00  1124 124 124 50050 cernent R357.8  1118B 308 4 9e	COI + 1/2	att Pheno	Spul De	c cook	-100	a lated	50 Ceme	ent pla	29 22
FIRST LIPSED UNICO. Had gas or air bubbles coming to surfe Dubbles were slowly diving down as we left.  Evans Mitchell  ACCOUNT QUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  UNIT PRICE TOTAL  SHOW SO MILEAGE  SHOW SHOW SHOW SHOW SHOW SHOW SHOW SHOW	Duma.	Plans Del	2 0/400	Lo c	00 (1.0	+D 11	Cemen	+145he	رگ
Bubbles were slowly dring down as we left.  Evans Mitchell  Account cope quantry or units pescription of services or product unit price total  5401 1 PUMP CHARGE 368 1030.00  5406 30 MILEAGE 368 120.00  5407 1507 Cassins footage 368  5407 1507 1509 1609 1609 1609 1609 1609 1609 1609 16	Plant	Closed.	1630	100	as rus	10 0001	1 held 8	00 PS	C. Set
Evans Mitchell  Account QUANITY or UNITS  DESCRIPTION of SERVICES or PRODUCT  UNIT PRICE  TOTAL  540	Bubbles	11) 9 5 9	1 1	211/100	d 0000		1	nius to	Surfa
ACCOUNT CODE  QUANITY OF UNITS  DESCRIPTION OF SERVICES OF PRODUCT  UNIT PRICE  TOTAL  PUMP CHARGE  368  1020.00  540.00  MILEAGE  540.00  MILEAGE  540.00  540.7  Min ton milks  5502C  368  368  360.00  5502C  369  360  360  360  360  360  360  360	EVEL	10 /	1 1/	77.5	Wow of	ES WE	1471,	Da. 11	/
5406 5406 30 MILEAGE 5406 5406 5407 705 Casins footage 368 7000 5407 1502 1502 1502 1502 1603 1603 1603 1603 1603 1603 1603 1603	ACCOUNT			DES	CRIPTION of	SERVICES PRO			lan
5406 30 MILEAGE 368 120.00 5402 905 Casins Footage 368 5407 Min ton miles 558 350.00 5502( 31/2 80 var 369 315.00  1124 124 50(50 cernent 1357.8  11183 308# 9E	CODE	4				SERVICES OF PRO		UNIT PRICE	TOTAL
5402 905 casius footage 368 5407 min ton miles 358 3502C 3'/2 80 vac 369 315,000  1124 124 50(50 cement 64.68 11074 62# Phenosea ( 79.98 14402 2 21/2 plag 5600  SALESTAX 117,27 ESTIMATED TOTAL 3490.75	5701		2 -				-		1030.00
5502C 31/2 ton niles 358 350.00 5502C 31/2 80 vac 369 315.00  1124 124 50(50 ceneut 6357.2  11183 308 # 9e 64.68  11074 62 # Phenosea (64.68  14402 2 21/2 plag 56.00  SALESTAX [17.27 ESTIMATED TOTAL 3490.75	THOS	90			0 1		368		120.00
3502C. 372 80 vac 369 315.00 1124 124 50150 cement 6357.8 1118B 308# 9herosea( 79.98 4402 2 21/2 plag 56.00 SALES TAX [17.27 ESTIMATED TOTAL 3490.75	5702	10	3 6	asing	TOOT	ge	368		
1124 124 50(50 cement B57.8 1118B 308# 9el 64.68 1107A 62# Phenoscal 79.98 4402 2 21/2 plag 5600 SALESTAX [17.27 ESTIMATED TOTAL 3490.75	3701	Niv	- J		1185			-	350-00
11183 308# 9el 64.68 1107A 62# Phenosea( 79.98 14402 2 21/2 plang 56.00  SALESTAX [17.27] ESTIMATED TOTAL 3490.73	3302C			80 0 q			369		315.00
11183 308# 9el 64.68 1107A 62# Phenosea( 79.98 14402 2 21/2 plang 56.00  SALESTAX [17.27] ESTIMATED TOTAL 3490.73			-						
11183 308# 9el 64.68 1107A 62# Phenosea( 79.98 14402 2 21/2 plang 56.00  SALESTAX [17.27] ESTIMATED TOTAL 3490.73	11011	10.	7						
107A 62# Phenosea ( 79.98 4402 2 21/2 plag 5600 SALESTAX [17.27 ESTIMATED TOTAL 3490.75	1127	105	-	00150	cen	ent			6357-8
1074 62 # Phenosea ( 79.98 4402 2 2 2 2 plug 5600 5600 5600 5600 5600 5600 5600 560	111873	308	74	90				٠٠.	64.68
SALES TAX 17.27 ESTIMATED TOTAL 3490.73	11074	62	#	Pheno	segl				
SALES TAX 17.27 ESTIMATED TOTAL 3490.73	4402	2		21/2 0	luc				
SALES TAX 17.27 ESTIMATED TOTAL 3490.73									
SALES TAX 17.27 ESTIMATED TOTAL 3490.73								-	. 1
SALES TAX 17.27 ESTIMATED TOTAL 3490.73								- Second	
SALES TAX 17.27 ESTIMATED 3490.73					<u> </u>	2.45		> 60000	210
SALES TAX 17.27 ESTIMATED 3490.73		1 /				CARIN	1	00. 5	
SALES TAX 17.27 ESTIMATED 3490.73		11 11 A	/_			~~ W # W	ED V		
TOTAL 3490.75		At the					•	1	
TOTAL 3490. 75	avin 3737	J 1111 J	XX-						117,27
UTHORIZTION TITLE DATE	\(	11111	1 h				* 8 "		3490 78
	UTHORIZTION	April	$\sim$	т	TITLE		9		C - 51-4.0 . N

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.



Oil & Gas Well Drilling Water Wells Geo-Loop Installation

Phone: 913-557-9083

Fax: 913-557-9084

# WELL LOG

Paola, KS 66071

Kansas Resource Exploration & Development, LLC Guetterman #KRI-15

API # 15-091-23,959

December 18 - December 20, 2012

	December 18 - December 20, 2012							
Thickness of Str								
2		<u>Total</u>						
46	soil & clay	2						
5	shale	48						
5	lime	53						
9	shale	58						
2	lime	67						
13	shale	69						
9	lime	82						
	shale	91						
8	lime	99						
9	shale	108						
17	lime	125						
18	shale	143						
15	lime	158						
11	shale							
49	lime	169						
25	shale	218 making water 210-218						
8	lime	243 251						
17	shale							
6	lime	268						
8	shale	274						
7	lime	282						
5	shale	289						
3	lime	294						
35	shale	297						
4	lime	332						
6	shale	336						
11	lime	342						
12	shale	353 oil show						
24	lime	365						
4	shale	389						
3	lime	393						
7	shale	396						
4	lime	403						
176	shale	407 base of the Kansas City						
9	lime	583						
1	shale	592						
2	coal	593						
1		595						
10	shale	596						
26	lime	606						
16	shale	632						
A 200	lime	648						

Guetterman #KRI-15	Page 2	
19 2 76 3 1 3 20 1 4 2 10 1 13 1 3 4 8 1 24 1 22 4 3 3 38	shale lime 669 shale 745 broken sand 748 brown & grey, ok bleeding 749 brown sand, ok bleeding 752 brown & shale, light bleeding 752 brown & shale, light bleeding 772 coal 773 shale 779 lime 789 lime 790 shale 803 coal 804 shale 807 grey sand 811 shale 819 coal 820 shale 844 coal 845 shale 867 broken sand oil sand 874 brown, good bleeding 875 brown & grey, good bleeding 915 TD	

Drilled a 9 7/8" hole to 16' 20' Drilled a 5 5/8" hole to 915'

20'
Set 10 of 7" surface casing cemented with 6 sacks of cement

Set 905' of 2 7/8" 8 round upset tubing, with 3 centralizers, 1 float shoe, & 1 clamp.