

Kansas Corporation Commission Oil & Gas Conservation Division

1139280

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	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used?
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	If Alternate II completion, cement circulated from:
If Workover/Re-entry: Old Well Info as follows:	feet depth to: w/ sx cmt.
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content:ppm Fluid volume:bbls
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD ☐ Conv. to GSW	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 #:	QuarterSecTwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	County Fermit #
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 III 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 rea	ched static level,	hydrostatic press	sures, bottom h	nole temperature, fluid
Drill Stem Tests Taker (Attach Additional		Yes No		og Formatio	n (Top), Depth ar	nd 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	<u> </u>		
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 RECORD - Bridge Plug	- O-4/T	Acid Fro	cture, Shot, Cemen	t Causana Dagar	
Shots Per Foot	Specify I	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	bls.	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.)	Other (Specify)	(Submit)	4CO-5) (Sub	mit ACO-4)		_



TICKET NUMBER LOCATION 3 FOREMAN

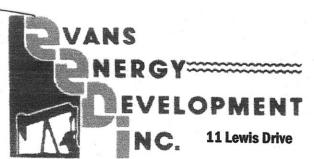
PO Box 884, (Cha	nute, KS	66720
620-431-9210	or	800-467-	8676

AUTHORIZTION

FIELD TICKET & TREATMENT REPORT

DATE CUSTOMER# WELL NAME & NUMBER SECTION TOWNSHIP	620-431-9210	0 or 800-467-8676	HOILLI & IKEA	LIMENT REP	ORT	· ·	The same of the sa
DISPLACEMENT DISPLACEMENT PS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT OLD THING ADDRESS TAS SESSOR TO SOLD THE STATE DISPLACEMENT PS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT OLD THING ADDRESS TAS SESSOR TO SUBJECT	DATE	011070	VELL NAME & AUTO CEMEN				· '.
CUSTOMER KAMSAS RESOURCE FURT Day. MALING ADDRESS MALING ADD					TOWNSHIP	RANGE	COUNTY
REMARKS: Lold satisfy recting about the formal of the sumped of the sum of the sumped			25man # KK-827	NW 20	14	22	
9393 W. 110th St. Site 500 CITY COTY OUT Clark JOB TYPE DECR. HOLE SIZE 58" HOLE DEPTH 900' CASING SIZE & WEIGHT DISPLACEMENT PSI MAY PSI REMARKS: hold safety meeting, established chrousation transport. This grant of the pulled I taking to 50' mixed to pumped 10 sts 500 mixed to pumped 10 sts councit to pulled I taking to 50' mixed to pumped 10 sts councit to pulled I taking to 50' mixed to pumped 10 sts councit to pulled I taking to 50' mixed to pumped 10 sts councit to pulled to pumped 10 sts councit to pulled to pumped 10 sts councit to pulled to pumped 10 sts councit to surface. ACCOUNT CODE ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE ACCOUNT MIXED TO MIXED TO MIXED TO MIXED TO STS COUNCIT. ACCOUNT CODE ACCOUNT Well taking to 50' mixed to pumped 10 sts councit to 50 face. ACCOUNT CODE ACCOUNT OUT ON THE TOTAL	Kansas	skesource Expt 1	Deu.	TDUOL			
9393 W. 110th St Site Soo COTY CVERLAND Park KS 121PCODE CVERLAND Park KS 12000 CASING DEPTH DRILL PIPE TUBING DISPLACEMENT PSI MIX PSI REMARKS: hold safety meeting, established circulation transh 1 bbing ranto TT DISPLACEMENT PSI MIX PSI REMARKS: hold safety meeting, established circulation transh 1 bbing ranto TT DISPLACEMENT PSI MIX PSI REMARKS: hold safety meeting, established circulation transh 1 bbing ranto TT DISPLACEMENT PSI MIX PSI REMARKS: hold safety meeting, established circulation transh 1 bbing ranto TT DISPLACEMENT PSI MIX PSI REMARKS: hold safety meeting, established circulation transh 1 bbing ranto TT DISPLACEMENT PSI MIX PSI REMARKS: hold safety meeting, established circulation transh 1 bbing ranto TT DISPLACEMENT PSI MIX PSI TO M	MAILING ADDI	RESS				TRUCK#	
Overland Park KS LOCALO JOB TYPE PLUA HOLE SIZE 556" HOLE DEPTH 900' CASING SIZE & WEIGHT CASING DEPTH DRILL PIPE TUBING CASING DEPTH SLURRY VOL SURRY WEIGHT SLURRY VOL SURRY WEIGHT SLURRY VOL WATER GAUSK CEMENT LEFT IN CASING MIX PSI RATE 2 5000 MIX P	9393 1	W. 110th St Site	500		Casken	V Satolet	
JOB TYPE DIVIDA HOLE SIZE 556" HOLE DEPTH 900' CASING SIZE & WEIGHT CASING DEPTH DRILL PIPE TUBING DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE & DOPM REMARKS: Lold safety repting, established charatal on though 1' this na rank of the purped 10 sts to to the purped 10 sts to to the purped 10 sts causest pulled this pulled 1" thing to 500' mixed to purped 10 sts causest pulled this pulled 1" thing from well topped well off will be secured to 500's causest to 50	CITY	STATE			KeiCar	V T	3
ACCOUNT CODE QUANTY or UNITS DESCRIPTION of SERVICES OF PRODUCT UNIT PRICE TOTAL SHORT HADRING TOTAL ACCOUNT CODE QUANTY or UNITS DESCRIPTION of SERVICES OF PRODUCT UNIT PRICE TOTAL SHORT HADRING TO TAIL FOR THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL SHORT HADRING TO THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE SO MILLEAGE STORY OF THE PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STORY OF THE PRODUCT UNIT PRICE TO THE PRODUCT UNIT PRODUCT UNIT PRICE TO THE PRODUCT UNIT PROD	Overlan	d Park KC			Settuc	V	
CASING DEPTH DRILL PIPE TUBING OTHER SLURRY WEIGHT SLURRY VOL WATER GAUSK CEMENT LEFT IN CASING DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE 2 born REMARKS: hold satal nepting, established circulation through 1" hobing rand oth wixed to purped 10 sts 50 to Paurix cement us 10 to Premising before so pulled 1" thing to 500' mixed to purped 10 sts cement, pulled this pulled 1" trobing from well tupped usel off w/ 10 sts cement. ACCOUNT CODE QUANTY or UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOS MILEAGE STOR MILEA		1			JasRic	~	
SLURRY WEIGHT SLURRY VOL WATER Gal/sk CEMENT LEFT in CASING DISPLACEMENT DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE 2 6pm REMARKS: hold satery meeting, established circulation through 1" tobing ranto 7TD pulped 1 tobing to 90° mixed to pumped 10 sts cement, pulled tobing to 300°, mixed, to pumped 5T sts cement, pulled tobing pulled 1" tobing from well trapped well off w/ 10 sts cement in surface, pulled 1" tobing from well trapped well off w/ 10 sts cement. ACCOUNT CODE ACCOUNT CODE ACCOUNT OUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL 1030:00 STOSU 30 mi MILEAGE 1030:00 STOSU 315:00 1124 87 Sts 80 Vac 118B 438 # Premion Cal 91.98)	HOLL BEFIN	700'	CASING SIZE & V	VEIGHT	
DISPLACEMENT DISPLACEMENT PSI MIX PSI RATE & Dopon REMARKS: hold sately neeting, established circulation through 1" trains ranto 7Th MIX poll through 10 dts 5/50 Pozunix comput w/1620 Premise Scl per s To 350 mized toward to pumped 10 sts councit to pulled tubin pulled 1" tubing from well tapped well off w/10 sts councit CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL STOS W ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL STOS W ACCOUNT MILEAGE STOS W MILEAGE 1030 00 STORY MILEAGE 1030 00 MILEAG						OTHER	
RATE 2 6pm RATE 2 6pm Mixed + purped 10 xts 5/50 Pozuerx coment w/ 5/50 Premise Get per s pulled 1 tolding to 500' mixed + pumped 10 sts coment pulled tolding to 350 mixed + pumped 57 sts coment coment to 5/50 Premise Get per s pulled 1" tolding from well, topped well off w/ 10 sts coment. ACCOUNT CODE ACCOUNT CODE ACCOUNT CODE ACCOUNT WITTS PUMP CHARGE 5/000 30 mi MILEAGE 5/000 31/000 4/104 4/104 4/105 4/105 4/106 5/106 5/107 6/10		OLDINITI VO	guirsi		CEMENT LEFT in	CASING	
Mixed + pumped 10 th Ship Pozurix coment of 10% Premism Gel per specified 1 "tibing to 500' mixed + pumped 10 sts coment, pulled tobing to 300' mixed + pumped 10 sts coment, pulled tobing pulled 1" tobing from well, topped well off w/ 10 sts coment. ACCOUNT CODE QUANTY or UNITS DESCRIPTION of SERVICES OF PRODUCT UNIT PRICE TOTAL SYOSU 1 PUMP CHARGE 5407 Minimum for mileage 30.00 \$500C 3.5 hrs 80 Uac 315.00 1124 87 sts 750 Pozurix coment 982.65 1188 438 # Premism Cal 91.98		10. 10.			RATE 2 LA	m	
polled 1 tipling to 50° mixed + pumped 10 sts cement, pulled tipling to 30° mixed + pumped 10 sts cement, pulled tipling pulled 1" tolong from well, tapped well off w/ 10 sts cement. Account code quanty or units description of services or product unit price total styles. Stosu 1 pump charge 1030.00 Stosu 30 mi MILEAGE 1030.00 Story minimum ton mileage 30.00 Story 3.5 hrs 80 Uac 315.00 1188 438 # Premium Cal 91.98			established chronic	exon throu	eah I" Lb	2 00 1	1 7
To 350, much towned to stee correct pulled tobing pulled I tobing from well topped well off w/10 sts correct. ACCOUNT CODE QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE TOTAL STOSU I PUMP CHARGE STOC 30 mg MILEAGE STOC 3.5 hrs 80 Uac 120.00 1124 87 sts 750 Parmix correct 1188 438 # Premion Cal 1198)	11 Like + O des	150 Pozuix cen		· ^ -)	/
ACCOUNT CODE QUANITY or UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOSN PUMP CHARGE STOT MILEAGE STOT MILEAGE STOR	+ 25m	1051ng to 500'	mixed + pumpe	Λ		1 11	Just st
ACCOUNT QUANITY or UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOSU STOSU MILEAGE STOT MILEAGE STOQ STOQ		, myed t pum	ged 57 sts	empet		-1 0.10	Tubine
ACCOUNT CODE ACCOUNT CODE STOSN PUMP CHARGE MILEAGE STOTAL 1030.00 STORY MILEAGE STORY MILEAGE STORY MILEAGE STORY MILEAGE STORY MILEAGE MI	pulled 1	tubing from we	I topped well o	A wil 10	1		ace,
CODE GUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL STOSY PUMP CHARGE 1030:00 STORY MILEAGE 120:00 STORY MILEAGE 120:00 STORY STORY MILEAGE 120:00 STORY MILEAGE 120:00 STORY MILEAGE 120:00 MILEAGE 1			, 11		cem	else	
CODE GUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL PUMP CHARGE 5406 30 m; MILEAGE 1030:00 STOR STOR STOR 30 m; MILEAGE 1030:00 300:00 300:00 300:00 300:00 315:00 1124 87 sts 950 Formix connect 1188 438 # Premium Coel 91.98					\overline{A}		1
CODE GUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL PUMP CHARGE 5406 30 m; MILEAGE 1030:00 STOR STOR STOR 30 m; MILEAGE 1030:00 300:00 300:00 300:00 300:00 315:00 1124 87 sts 950 Formix connect 1188 438 # Premium Coel 91.98						1	
CODE GUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT STOSN PUMP CHARGE 1030,00 STOR STOR MILEAGE 120,00 STOR STOR MILEAGE 120,00 STOR STOR MILEAGE 120,00 STOR MILEAGE 120,00 MILEAGE 120,						1	
CODE GUANTY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL PUMP CHARGE 5406 30 m; MILEAGE 1030:00 STOR STOR STOR 30 m; MILEAGE 1030:00 300:00 300:00 300:00 300:00 315:00 1124 87 sts 950 Formix connect 1188 438 # Premium Coel 91.98					()		
\$405N PUMP CHARGE 1030:00 \$407 MILEAGE 120:00 \$502C 3.5 hrs 80 Vac 315:00 1124 87 sks 5/50 Poznik cernent 952:65 1118B 438 # Premion Coel 91:98		QUANITY or UNITS	DESCRIPTION of S	ED\(0000 - 0000			
5407 minimum ton mileage 350.00 5502C 3.5 hrs 80 Vac 315.00 1124 87 sts 950 Paris cement 952.65 1188 438 # Premion Cal 91.98				ERVICES OF PROD	DUCT	UNIT PRICE	TOTAL
5502C 3.5 hrs 80 Vac 350.00 1124 87 sts 5/50 Poznik cernent 952.65 1118B 438 # Premion Col 91.98		30 :					(V.SV.00
5502C 3.5 hrs 80 Vac 315.00 1124 87 sks 5/50 Poznik cornert 952.65 1118B 438 # Premion Coel 91.98			,				
1124 87 sks % Parix cernent 952.65 11188 438# Premion Cel 91.98			ton mileage				
1124 87 sks 5/50 Poznik cernent 952.65 11188 438 # Premion Cel 91.98	3502C	s, Shrs	80 Vac				
10 B 436 H Premion Coel 91.98							3/5,00
10 B 436 H Premion Coel 91.98							
10 B 436 H Premion Coel 91.98	1124	87 sks	5% Par 1	I			
	1118B	438#	Province Co	well-			752.65
			The state of the s				91.98
						or the	-
		^				THE TERMS	424.5
		1		0 2 2 2	11	The state of the s	
		111			11	and a second	
				-			
	1 1						
7000			1				
SALES TAX 7.6.61					7000		
UTHORIZTION 2938. 24	vin 3737					SALES TAX 7	

TITLE 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 #KR-29

API # 15-091-23,923

December 21 - December 27, 2012

	December 21	- December 27, 2012
Thickness of Strata	Formation soil & clay	Total
67		3
3	shale	70
18	lime	73 making water 210-218
14	shale	91
9	lime	105
	shale	114
9	lime	123
8	shale	131
17	lime	148
18	shale	166
17	lime	183
8	shale	191
51	lime	242
24	shale	266
9	lime	275
14	shale	289
9	lime	298
7	shale	305
7	lime	312
1	shale	313
6	lime	319
26	shale	345
1	lime	346
11	shale	357
23	lime	380
7	shale	387
23	lime	410
3	shale	413
5	lime	418
3 5 3 7 2	shale	421
7	lime	428
2	shale	430
1	lime	
169	shale	431 base of the Kansas City
5	lime	600
	shale	605 611
2	Ime	
6 2 2	coal	613
4	shale	615
10	lime	619
14	shale	629
	Silaic	643

Guetterman \$KR-29	Pa	age 2
2		-90 -
3	lime	646
8	shale	654
10	lime	664
21	shale	685 red
3	lime	688
3	shale	691
1	lime	692
12	shale	704
4	lime	708
58	shale	766
2	broken sand	
1	oil sand	768 brown & grey, ok bleeding
4	broken sand	769 brown, good bleeding
24	shale	773 brown & grey, ok bleeding 797
3	lime	800
21	shale	821
1	coal	822
41	shale	
1	coal	863
21	shale	864
6	silty shale	885
1	broken sand	891
1	oil sand	892 white
2		893 brown & white, ok bleeding
13	broken sand	895 brown, good bleeding
2	shale	908
2	coal	910 TD

Drilled a 9 7/8" hole to 21.8' Drilled a 5 5/8" hole to 910'

Set 21.8' of 7" surface casing cemented with 6 sacks of cement