

Kansas Corporation Commission Oil & Gas Conservation Division

1139251

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:	Sec Twp S. R 🗌 East 🗌 West
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 ☐ 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?
If Workover/Re-entry: Old Well Info as follows:	·
Operator: Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Conv. to ENHR	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 #: ☐ GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date 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

1139251

Operator Name:			Lease Name: _			_ Well #:	
Sec Twp	S. R	East West	County:				
time tool open and cl	osed, flowing and shu es if gas to surface te	nd base of formations pe at-in pressures, whether est, along with final chart well site report.	shut-in pressure rea	ched static level,	hydrostatic press	sures, bottom h	nole temperature, fluid
Drill Stem Tests Take		☐ Yes ☐ No		og Formatio	n (Top), Depth ar	nd Datum	Sample
Samples Sent to Geo	ological Survev	☐ Yes ☐ No	Nam	ne		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Cop	ed Electronically	Yes No Yes No Yes No					
List All E. Logs Run:							
			RECORD No-	ew Used ermediate, producti	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
		ADDITIONA	L CEMENTING / SQI	JEEZE RECORD	1		
Purpose: —— Perforate —— Protect Casing Depth Top Bottom Type of Cement		# Sacks Used	Type and Percent Additives				
—— Plug Back TD —— Plug Off Zone							
Shots Per Foot	PERFORATI Specify	ON RECORD - Bridge Plu Footage of Each Interval Pe	gs Set/Type rforated		cture, Shot, Cemen		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	IHR. Producing Me		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 COMPL	_		PRODUCTIO	ON INTERVAL:
Vented Sol	d Used on Lease	Open Hole	Perf. Dually (Submit		mit ACO-4)		



LOCATION OHAWA, KS FOREMAN Casey Kennedy

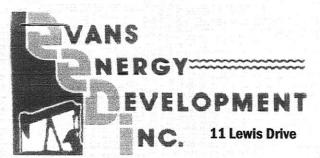
PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

			OLIVILI				
DATE	CUSTOMER#	WELL NAME & NUM	IBER	SECTION	TOWNSHIP	RANGE	COUNTY
11/5/12	4448	Gutterman # K	R-11	WE 19	14	22	20
CUSTOMER	$\overline{\mathbf{Q}}$	C. 17					1.
Kans	15 Kesource	txp + Des		TRUCK#	DRIVER	TRUCK#	DRIVER
MAILING ADDR	ESS	/		481	Casken	V Scalal	Meeting
9393	W. 1104	n Suite 500		Letels	GarMoo	Jarony	reering
CITY		STATE ZIP CODE	1 .	228	Bre Man	/	
Overlan	d Park	KS 66210		675	KeiDet	V	
JOB TYPE /	nastring	HOLE SIZE 5 1	HOLE DEPT	H 880'	CASING SIZE & V	VEIGHT 27/s	" EUE
CASING DEPTH	870	DRILL PIPE	_TUBING			OTHER	
SLURRY WEIGH		SLURRY VOL		sk		CASING	
DISPLACEMENT	T 5,04 645	DISPLACEMENT PSI	MIX PSI		RATE 4.56	opun	II
REMARKS: held safety meeting, established circulation, nixed tounged 100 of Premoun							
Gel followed by 10 bbs fresh water, mixed + pumped 141 sks 50/50 Persuis							
cement w/ 20 gel + /2 # Phenosed per sto, cement to surface flushed							
sup de	ean punis	red 2 2/2" ru	lober plu	as to cas	ing 710 u	15.04 1	obls fresh
water, p	ressured 4	o 800 PSI, relea	sed pres	rure shot	in casing		
, ,			Y		7		
						1	
) ;
						/	

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRO	DDUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE			1030.00
5400	30 mi	MILEAGE			120.00
5402	870'	casing tootage			
5407	Minimum	tou mileage			350.00
2205C	2.5 hrs	80 vac			225.00
1124	141 sks	50/50 Pozmix canent			1543.95
11183	337#	Premium Gel		••	70.77
11074	71 #	Phenoseal			91.59
4482	2	Phenoseal 2/2"rubber plug			570.00
N		1)			
					19
				Cally	2 00 9 W 00
	1 11 - 1			67.0	
	d) - 14 /		, a .		
1		/	7.525%	24150741	132.61
Ravin 3737	X \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<u> </u>	+1325%	SALES TAX ESTIMATED	
1				TOTAL	3619.92
AUTHORIZTION	1 ()	* TITLE		DATE	

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



Oil & Gas Well Drilling Water Wells Geo-Loop Installation

Phone: 913-557-9083 Fax: 913-557-9084

Paola, KS 66071

WELL LOG

Kansas Resource Exploration & Development, LLC Guetterman #KR-11 API # 15-091-23,933

November 2 - November 5, 2012

Thickness of Strata	<u>Formation</u>	<u>Total</u>
18	soil & clay	18
20	lime	38 making water
9	shale	47
8	lime	55
10	shale	65
16	lime	81
19	shale	100
18	lime	118
7	shale	125
47	lime	172
25	shale	197
10	lime	207
16	shale	223
6	lime	229
10	shale	239
15	lime	254
-33 7 22 11 2 2 11 2 2 11 2 2 11 2 2 2 2 2	shale	287
53	lime	340 oil show
4	shale	344
7.	lime	351
2	shale	353
5	lime	358 base of the Kansas City
31	shale	389
5	sand	394 green
137	shale	531
4	lime	535
8	shale	543
The second secon	coal	544
6	shale	550
5	lime	555
17	shale	572
- 3 11 1-11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	lime	575
3	shale	578
1	coal	579
4	shale	583
4	lime	587
53	shale	640 red
13	silty shale	653
40	shale	693
8	broken sand	701 brown & grey, ok bleeding, making gas

Guetterman #KR-11		Page 2
17 1 70 1 22 2 1 0.5	shale coal shale coal shale limey sand oil sand	718 719 789 790 812 814 brown, light bleeding 815 brown, good bleeding
1 2.5 12 1 48	broken sand oil sand broken sand silty shale coal shale	815.5 brown & green, ok bleeding 816.5 brown, good bleeding 819 brown & green, light bleeding 831 832
70	snaie	880 TD

Drilled a 9 7/8" hole to 23' Drilled a 5 5/8" hole to 880'

Set 23' of 7" surface casing cemented with 6 sacks of cement

Set 870' of 2 7/8" 8 round upset tubing, with 3 centralizers, 1 float shoe, & 1 clamp.