

Kansas Corporation Commission Oil & Gas Conservation Division

1149759

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?
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Onv. 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	

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.

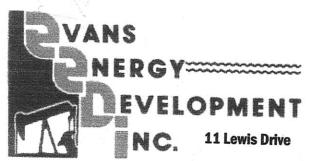
Submitted Electronically

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 pe t-in pressures, whether st, along with final char well site report.	shut-in pressure rea	ached static level,	hydrostatic press	sures, bottom h	ole temperature, fluid
Drill Stem Tests Taker (Attach Additional S		Yes No		_og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geo	logical Survey	Yes No	Nar	ne		Тор	Datum
Cores Taken Electric Log Run Electric Log Submittee (If no, Submit Copy		Yes No Yes No Yes No					
List All E. Logs Run:							
				lew Used			
D (0)	Size Hole	Report all strings set	t-conductor, surface, in Weight	termediate, producti Setting	on, etc. Type of	# Sacks	Type and Percent
Purpose of String	Drilled	Set (In O.D.)	Lbs. / Ft.	Depth	Cement	Used	Additives
		ADDITION					
Purpose:	Donth		AL CEMENTING / SQ	UEEZE RECORD			
Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	# Sacks Used Type			
Protect Casing Plug Back TD							
Plug Off Zone							
Shots Per Foot	PERFORATI	ON RECORD - Bridge Plu	ıgs Set/Type		cture, Shot, Cement		
	Specify	Footage of Each Interval Pe	erforated	(Ai	mount and Kind of Ma	aterial Used)	Depth
				ļ <u>-</u>			
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Me		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wa	iter B	bls. (Gas-Oil Ratio	Gravity
		'					
	ON OF GAS:		METHOD OF COMPL			PRODUCTIO	ON INTERVAL:
Vented Sold		Open Hole			nmingled mit ACO-4)		
(If vented, Sui	bmit ACO-18.)	Other (Specify)					



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-25
API # 15-091-23,946

January 2 - January 4, 2013

	January 2	January 4, 2013
Thickness of Strata	Formation	Total
14	soil & clay	<u>Total</u>
11	shale	14
5	lime	25
4	shale	30
16	lime	34
9	shale	50
7		59
4	lime	66
2	shale	70
2	lime	72
18	shale	74
	lime	92
18	shale	110
21	lime	131
6	shale	137
8	lime	145
2	shale	147
40	lime	187
20	shale	207
10	lime	217
16	shale	233
6	lime	239
7	shale	246
14	lime	260
7	shale	267
1	lime	
19	shale	268
1	lime	287
10	shale	288 oil show
25	lime	298
8	shale	323 311 oil show
22	lime	331
4		353
6	shale	357
2	lime	363
5	shale	365
172	lime	370 base of the Kansas City
5	shale	542
7	lime	547
1	shale	554
5	coal	555
5	shale	560
5	lime	565

Guetterman #KR-25		Page 2
16	shale	581
3	lime	584
6	shale	590
8	lime	598
77	shale	675
1	lime	676
21	shale	697
1	broken sand	and the second s
5	oil sand	698 brown, ok bleeding
4	broken sand	703 brown, good bleeding
31	shale	707 brown & grey, ok bleeding
2	lime	738
79	shale	740
3.5		819
2.5	oil sand	822.5 brown, good bleeding
51	broken sand	825 brown & shale, ok bleeding
31	shale	876 TD

Drilled a 9 7/8" hole to 22' Drilled a 5 5/8" hole to 876'

Set 22' of 7" surface casing cemented with 6 sacks of cement

Set 866' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.



TICKET NUMBER_

<u>39078</u>

LOCATION Oftawa

FOREMAN Alan Madou

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

FIELD TICKET & TREATMENT REPORT

20-431-9210 d				CEMEN					
DATE	CUSTOMER#	WELL NAM	IE & NUME	BER	SECT	ION	TOWNSHIP	RANGE	COUNTY
1-4-13	4448 (ouetter	Man	KR-25	NE	19	14	22	170
USTOMER	0000		_		1000	V 21 12		All said	100
Sansas Alling Addre	s Kesour	ces Et	<i>y</i>		TRUC	CK#	DRIVER	TRUCK#	DRIVER
9.393	(1) 1 = 41	<u> </u>			15/6		119Mal.	Satety	Meet
1393 TV	W 101	FATE IND	2005		368		Brl Med	AKM	
) · 4	. 1		CODE		370		Ke: Car	KC	
ver lan	Stark 1		210		558		MikHao	MH	
B TYPE JON	5 STYING HO	DLE SIZE 5 3/	8	HOLE DEPTH	87	36	CASING SIZE &	WEIGHT 2	2/8
SING DEPTH_	866 DF	RILL PIPE		TUBING	,			OTHER	
URRY WEIGH	T SL	URRY VOL		WATER gal/sl	k		CEMENT LEFT I	n CASING 1/10	5
SPLACEMENT	<u> </u>	SPLACEMENT PSI	800	MIX PSI_2	00		RATE 46		
EMARKS: He	Id meet in	25 Estab	11.549	I vate	. N	ixer	1	mped	100 \$
esel +	ollowed'	by 128	SK	50/50	CRY	non	+ 1/1	29	2014
1/2 # P	hPMD (SPa)	1 per c	Sick,	C. C.	1/2/6	2 D	China	X	7
D. M.D.	Pumped	2 0/405	X	000	1	7-1) July 1	2/ 1. 1	14540
280	PIST 50	1 11-82	()	2600	1	10	· We	11 hold	<u>u</u>
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	11 1 1 1	7	 						. 9
Frans,	Mitchel	<u> </u>							
							A Omma	lang	
							II IIWWW T	-	
· · · · · · · · · · · · · · · · · · ·						/	Jerin.		
	QUANITY or	UNITS	DES	SCRIPTION of	SERVICES	or PRO			TOTAL
ACCOUNT CODE	QUANITY or				SERVICES	or PRO		UNIT PRICE	TOTAL
		PUMF	P CHARGE		SERVICES	S or PRO			TOTAL 1030. Q
	30	PUMF MILE/	P CHARGE		,	S or PRO			
ACCOUNT CODE 5401 5402		PUMF MILE/	P CHARGE		SERVICES	S or PRO			1030.Q 120.Q
	30	PUMF MILE/	P CHARGE		,	S or PRO	368 368 368 368 558		
	30	PUMF MILE/	P CHARGE		,	S or PRO			1030.Q 120.Q
	30	PUMF MILE/	P CHARGE		,	S or PRO	368 368 368 368 558		1030.Q 120.Q
CODE 5401 5406 5401 5407	30	PUMF MILE/	P CHARGE		,	S or PRO	368 368 368 368 558		1030.Q 120.Q
CODE 5401 5406 5402 5407	30	PUMF MILE/	P CHARGE AGE OSID ON ON ON		, 332	. Or PRO	368 368 368 368 558		1030.Q 120.Q 350.Q 180.Q
	1 3D 866 Min	PUMF MILE/ C.C 7:2	P CHARGE AGE OSID ON ON ON	fort niles	, 332	S or PRO	368 368 368 368 558		1030.Q 120.Q
CODE 5401 5406 5402 5407	1 30 866 Min 2	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSING ON	fort niles c	, 332	S or PRO	368 368 368 368 558		1030.Q 120.Q 350.Q 180.Q
CODE 5401 5406 5402 407 502C	1 3D 866 Min	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSID ON ON ON	fort niles c	, 332	S or PRO	368 368 368 368 558		1030.Q 120.Q 350.Q 180.Q
CODE 1401 1406 1402 1407 502C	1 3D 866 Min	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSING ON	fort niles c	, 332	S or PRO	368 368 368 368 558		1030.Q 120.Q 350.Q 180.Q
CODE 1401 1406 1402 1407 502C	1 3D 866 Min	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSING ON	fort niles c	, 332	S or PRO	368 368 368 368 558		120.2 120.2 180.2 180.2 1401.61 61.15 82.56
CODE 1401 1406 1402 1407 502C	1 3D 866 Min 2 128 315# 64#	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSING ON	fort niles c	, 332	S or PRO	368 368 368 368 558		1030.Q 120.Q 350.Q 180.Q
CODE 5401 5406 5402 5407 502C	1 3D 866 Min	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSING ON	fort niles c	, 332	S or PRO	368 368 368 368 558		120.2 120.2 180.2 180.2 1401.61 61.15 82.56
CODE 5401 5406 5402 407 502C	1 3D 866 Min 2 128 315# 64#	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSING ON	fort niles c	, 332	S or PRO	368 368 368 368 558		120.2 120.2 180.2 180.2 1401.61 61.15 82.56
CODE 5401 5406 5402 5407 502C	1 3D 866 Min 2 128 315# 64#	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSING ON	fort niles c	, 332	S or PRO	368 368 368 368 558	UNIT PRICE	120.2 120.2 180.2 180.2 1401.61 61.15 82.56
CODE 5401 5406 5402 407 502C	1 3D 866 Min 2 128 315# 64#	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSING ON	fort niles c	, 332	S or PRO	368 368 368 368 558	UNIT PRICE	120.2 120.2 180.2 180.2 1401.61 61.15 82.56
CODE 5401 5406 5402 407 502C	1 3D 866 Min 2 128 315# 64#	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSING ON	fort niles c	, 332	S or PRO	368 368 368 368 558	UNIT PRICE	120.2 120.2 180.2 180.2 1401.61 61.15 82.56
CODE 5401 5401 5402 502C	1 3D 866 Min 2 128 315# 64#	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSING ON	fort niles c	, 332	S or PRO	368 368 368 368 558	UNIT PRICE	120.2 120.2 180.2 180.2 1401.61 61.15 82.56
CODE 5401 5406 5402 407 502C	1 3D 866 Min 2 128 315# 64#	PUMF MILE/ CO 7:2 8	P CHARGE AGE OSING ON	fort niles c	, 332	S or PRO	368 368 368 368 558	UNIT PRICE	120.2 120.2 120.2 180-2 1401.61 61.15 82.56 56.2
CODE 5401 5401 5402 502C	1 3D 866 Min 2 128 315# 64#	PUMF MILE/ CO 7:2 8	P CHARGE AGE 28/1/2 80 VG	fort niles c	, 332	S or PRO	368 368 368 368 558	UNIT PRICE	120.2 120.2 180.2 180.2 1401.61 61.15 82.56