

Kansas Corporation Commission Oil & Gas Conservation Division

1149761

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 🗌 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 ☐ 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. □ CM (Coal Bed Methane) □ Cathodic □ Other (Core, Expl., etc.):	If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.
If Workover/Re-entry: Old Well Info as follows:	·
Operator:	Drilling Fluid Management Plan
Well Name:	(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 #: Dual Completion Permit #:	Operator Name:
SWD Permit #:	Lease Name: License #:
ENHR Permit #:	Quarter Sec TwpS. R East West
GSW Permit #:	County: Permit #:
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(s well site report.	hut-in pressure read	ched static level,	hydrostatic press	ures, bottom h	ole temperature, fluid		
Drill Stem Tests Taker (Attach Additional		Yes No		og Formation	n (Top), Depth an	d Datum	Sample		
Samples Sent to Geological Survey			Nam	е		Тор	Datum		
Cores Taken									
List All E. Logs Run:									
		Report all strings set-		ermediate, producti		T 2 .			
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	I	1			
Purpose: —— Perforate —— Protect Casing —— Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used Type and P			ercent Additives			
Plug Off Zone									
Shots Per Foot		DN RECORD - Bridge Plug Footage of Each Interval Perl					Cement Squeeze Record d of Material Used) 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 I	Bbls. Gas	Mcf Wate	er Bl	ols. G	Gas-Oil Ratio	Gravity		
DISPOSITI	ON OF GAS:	N.	METHOD OF COMPLE	OF COMPLETION: PRODUCTION INTERVAL:					
Vented Solo	d Used on Lease	Open Hole	Perf. Dually		nmingled mit ACO-4)				
(If vented, Su	bmit ACO-18.)	Othor (Specify)	(Submit)	100-0) (SUDI	IIII ACO-4)				



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-3
API # 15-091-23,950
February 18 - February 20, 2013

Thickness of Strata	<u>Formation</u>	Total
15	soil & clay	<u>Total</u>
3	shale	15
5	lime	18
3	shale	23
16	lime	26
9	shale	42
9	lime	51
7	shale	60
18	lime	67
18	shale	85
73	lime	103
26	shale	176
9		202
16	lime	211
6	shale	227
7	lime	233
7	shale	240
9	lime	247
2	shale	256
	lime	258
33	shale	291
5	lime	296
5	shale	301
16	lime	317 oil show
7	shale	324
20	lime	344
5	shale	349
2	lime	351
6	shale	357
5	lime	362
31	shale	393
3	sand	396 green, light gas odor
137	shale	533
6	lime	539
9	shale	548
1	coal	549
5	shale	554
7	lime	561
	shale	580
	coal	581
		301

13 shale 1 lime 24 shale 8 lime 70 shale 5 broken sand 2 oil sand 1 broken sand 22 shale 2 lime 25 shale 2 lime 53 shale 2 lime 53 shale 2 lime 54 shale 2 lime 55 broken sand 1 lime 0.5 broken sand 2 oil sand 2 broken sand 3 shale 4 shale 5 shale 6 shale 8 shale 9 shale	594 595 619 red 627 697 702 light brown sand & shale, fair bleeding 704 light brown, fair bleeding (gassy) 705 brown sand & shale, light bleeding 727 729 754 755 763 765 818 818.5 40% brown sand, 60% shale, ok bleeding 819.5 820 brown sand & lime, good bleeding 822 brown snad & few thin lime seams good bleeding 824 brown sand & shale, good bleeding 837 838 872 TD
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Drilled a 9 7/8" hole to 22'
Drilled a 5 5/8" hole to 905" 87

Set 22' of 7" surface casing cemented with 6 sacks of cement $\ensuremath{\mathfrak{g}}\xspace \ensuremath{\mathbb{C}}\xspace$

Set 890' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.



256975

LOCATION of Hawa KS
FOREMAN Fred Mader

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

FIELD TICKET & TREATMENT REPORT

DATE	CUSTOMER#	WELL NAME & NUM	BER	SEC	TION	TOWNSHIP	DANIOS	
2/20/13	4448	Guetherman		-		-	RANGE	COUNTY
CUSTOMER			1(1(1-2	NE	19	141	22	70
Kansa	5 Resources	S Expl & Dev.		TRU	CK#	DRIVER	TRUCK#	DRIVER
1				150	06	FreMad	Safeky	MAy
CITY 93 93	W 710'	4H S4			95	HarBec	W.B	The cong
1	_				75	Jaskic	TR	
Overlan	d Park	KS 66210		,,	- 43	Breman	BM	
JOB TYPEL	DAY STAN HO	DLE SIZE 578	HOLE DEPTH	577		CASING SIZE & V		EUE
CASING DEPTH 857 DRILL PIPE TUBING OTHER								
SLURRY WEIGH	T SL	URRY VOL	WATER galls	k		CEMENT LEET IN	CACINO 7 5	E" Pluc =
DISPLACEMENT	7.18 B B B	SPLACEMENT PSI	MIX PSI	1		RATE SBPM)	/
REMARKS: /	eld nrew r	neathr. Estab	lish our	me a	X.	M ~ 1 D	1 10d # C	-1
7103	n. Illex x	100 A 100	S 145 50	150 F	or 1	2x Come	+ 2% (0
Disp	lace 2 - 2	E' Rubber pluc	s to c	casily	7	D. Press		eau,
600,	# PSI. Rel	E' Rubber pluce	a to c	304 9	Yout	- Value.	Shu x in	•)
ca:	s Mg.							
	0							
						1		
Evan	5 Energy D	ev. Luc.		7		tuce / Mar	Qu_	
	. 70-	-						
CODE	QUANITY or U	UNITS DES	SCRIPTION of	SERVICES	or PRC	DUCT	UNIT PRICE	TOTAL
5401		PUMP CHARGE				495		103000
5406		mi MILEAGE				495		12000
5402	85	7' Cash	Footago					
5407	Minimu	Ton m	1/03			558		NIC
55020		hr 80 BBL				675		30.000
						0.0		780-
1124	/ 3	30 sks 50/501	Pos mix	Com				. 50
11185	3 19	# 00000	om Gel	Cumo	4			142350
1107A	10.5							66 99
4407	7		Seal	17.				8385
1100	<i>d</i>	2 /2 K	bherg	75				5600
				D				
	9,							
							- 69 759 751	ilod
							U U III I I	A R AD AB
	0/1						8	
		1/1				4		
5	1/1/11				0			7 63
Ravin 3737	111	77/1				1525%	SALES TAX ESTIMATED	122.68
6	1000	-410					TOTAL	3.433 02
AUTHORIZTION_			TITLE				DATE	

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