

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1139278

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:	
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: ()	
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	Amount of Surface Pipe Set and Cemented at: Feel
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
OG GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan
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	Chloride content: ppm Fluid volume: bbls
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 #:	Operator Name:
SWD Permit #:	Lease Name: License #:
ENHR Permit #:	Quarter Sec TwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or Recompletion Date 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

	Side Two	1139278
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No]Log Formatio	on (Top), Depth an	d Datum Top	Sample
Samples Sent to Geolog	gical Survey	Yes No		ame		юр	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASI	NG RECORD	New Used			
		Report all strings s	set-conductor, surface,	intermediate, produc	tion, 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

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated			Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			Depth			
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	ł.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	s.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:			METHOD OF COMPLE		TION:		PRODUCTION INT	ERVAL:		
Vented Sold Used on Lease			Open Hole	Perf.	Uually (Submit /	Comp. ACO-5)	Commingled (Submit ACO-4)			
(If vented, Sul	bmit ACC)-18.)		Other (Specify)						<u></u>

CONSOLIDATED	
Oil Well Services, LLC	

TICKET NUM	BER	39
LOCATION_	Ottaci	Ja,KS
FOREMAN	ally	Kenned

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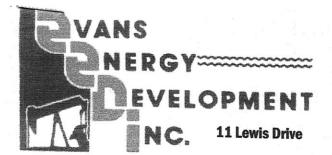
PO Box 884, Chanute, KS 66720

FIELD TICKET & TREATMENT REPORT

620-431-9210 or 800-467-8676		CEMEN	1			1 -
DATE CUSTOMER #	WELL NAME & NUME	BER .	SECTION	TOWNSHIP	RANGE	COUNTY
	Guetterman # K	1R-21	NW 20	14.	22	20
12121	Over of the el	T		a de la companya de l	an tha the	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Kaysas Resour	ro Frot Day		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS		1	481	Casken	V Satety	Heating
MAILING ADDRESS	St Suite 500		Lelele	Kei Car	V	/
9393 W. 110th	STATE ZIP CODE	-	510	Sette	V	
Overland Park	KS 660210		370	Jaspic	V	
	HOLE SIZE 5%		H 908'	CASING SIZE &	WEIGHT 27	"EUE
JOB TYPE COngestring	HOLE SIZE 378			ondino oille a	OTHER	
CASING DEPTH 898'	DRILL PIPE					
SLURRY WEIGHT	SLURRY VOL	WATER gal/s	sk	CEMENT LEFT I		
S. OLWE	DISPLACEMENT PS	MIX PSI		RATE 41-5	Spm	
LIA - Cal	making ostablider	d circul	dias mixe	d t pump	ed 100#	Hemium
	bbls fresh wate	CULTUD	1 + purpe	ed 14015	sks Solso	Pazmix.
1 101	the the the the		and st a	coment to	a surface	Aleshed
coment w/ 2'20	cel + /2 # Dh	eno sear		Th	11 521	bls fresh
pours clean, pour	sed a a la cubi	er plug	s to cas	ing in i	2/_0.03	DIS HEST
unter, pressured t	= 800 PS1, releas	red press	sre shut i	~ caring	d	·
(2)2=11 / F		1	-			
		Constanti I			14	
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					/ /	

ACCOUNT	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUC	т	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE			1030.00
Stole	30 mj .	MILEAGE		·	120.00
5402	898'	casing tootage			
5407	minimum	ton mileage			300.00
55026	2 hrs	80 Vac			180.00
00					
1124	140 sks	%50 Populix coment			1533.00
	335#	Premium Gel			70.35
1118B	70 #	Phenoseal			90.30
11074	2	DY2" rubber plugs			56.00
4402					
				-	
					i fagi
	100 /1		A	CUMPLE	· Sanda ·
	TYN TH			Posse !	
			Burner		
		V	7.525%	SALES TAX	131.66.
Ravin 3737	' NIKI X	N)		ESTIMATED TOTAL	3561.3
	PILLI	TITLE		DATE	

A UTHORIZITON_______ 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



Oil & Gas Well Drilling Water Wells Geo-Loop Installation

Paola, KS 66071

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

WELL LOG Kansas Resource Exploration & Development, LLC Guetterman #KR-21 API # 15-091-23,942 December 12 - December 13, 2012

Thickness of Strata	Formation	Total
6	soil & clay	Total
32	shale	6
4	lime	38
6	shale	42 making water
1	lime	48
8	shale	49
14		57
10	lime	71
8	shale	81
9	lime	89
2	shale	98
32	lime	100
18	shale	132
8	lime	150
	shale	158
49	lime	207
24	shale	231
9	lime	240
18	shale	258
7	lime	265
5	shale	270
18	lime	288
22	shale	310
1	lime	311
13	shale	324
6	lime	330
1	shale	331
16	lime	347
8	shale	355
21	lime	376
4	shale	380
5	lime	385
3	shale	388
7	lime	
172	shale	395 base of the Kansas City
5	lime	567
4	shale	572
2	lime	576
1	shale	578
1	coal	579
5	shale	580
8	lime	585
	mile	593

Guetterman #KR-21

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9	shale		602	
3	lime		605	
3	shale		608	
3	lime		611	
3	shale		614	
1	coal		615	
3	shale		618	
3	lime		621	
5	shale		626	
1	lime		627	
103	shale		730	
2	broken sand			brown & grey, minimal bleeding
1	oil sand			brown, ok bleeding
5	broken sand			brown & grey, ok bleeding
46	shale		784	sterning group, on blocking
1	coal		785	
4	shale		789	
5	grey sand		794	
32	shale		826	
1	coal		827	
22	shale		849	
3	broken sand		852	brown & lime, ok bleeding
2.5	oil sand	8		brown, good bleeding
0.5	lime		855	, Ç
3	broken sand		858	brown & shale, ok bleeding
50	shale		908	

Drilled a 9 7/8" hole to 22' Drilled a 5 5/8" hole to 908'

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

Set 898' of 2 7/8" 8 round upset tubing, with 3 centralizers, 1 float shoe, & 1 clamp.