

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1080046

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:		
		Feet from North / South Line of Section
City: Sta	ate: Zip:+	Feet from Cast / West Line of Section
-		Footages Calculated from Nearest Outside Section Corner:
Phone: ()		
		County:
		Lease Name: Well #:
		Field Name:
-		
		Producing Formation:
Designate Type of Completion:		Elevation: Ground: Kelly Bushing:
New Well	Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW	SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A	ENHR SIGW	Multiple Stage Cementing Collar Used?
OG	GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)		If Alternate II completion, cement circulated from:
Cathodic Other (Core	e, Expl., etc.):	feet depth to:w/sx cmt.
If Workover/Re-entry: Old Well Infe	o as follows:	
Operator:		Drilling Fluid Menonement Dien
Well Name:		Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date:	Original Total Depth:	
Deepening Re-perf.		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 #:	
SWD	Permit #:	Lease Name: License #:
ENHR	Permit #:	Quarter Sec TwpS. R East West
GSW	Permit #:	County: Permit #:
Spud Date or Date Rea Recompletion Date	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 Approved by: Date:

	Side Two	1080046
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

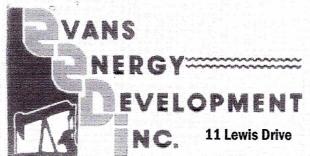
INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, 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 Sheets)		Yes	Yes No			Formatior	n (Top), Depth and	d Datum	Sample
Samples Sent to Geolog	gical Survey	Yes	No	N	ame			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E <i>(If no, Submit Copy)</i> List All E. Logs Run:	Electronically	☐ Yes ☐ Yes ☐ Yes	☐ No ☐ No ☐ No						
				RECORD	New	Used			
	1	Report a	I strings set-c	conductor, surface,	Interme	ediate, productio	on, etc.		1
Purpose of String	Size Hole Drilled	Size Ca Set (In		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 Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated				ļ		ement Squeeze Record I of Material Used)	Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENH	۶.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITIO	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit /		Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC)-18.)		Other (Specify)						



Oil & Gas Well Drilling Water Wells Geo-Loop Installation

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

WELL LOG Circle E Investments Kent Nunemaker #1 API #15-103-21,319 December 30, 2011 - January 4, 2012

Paola, KS 66071

Thickness of Strata	Formation	Total
60	sandstone	60
12	lime	72
7	shale	79
13	lime	92
22	shale	114
5	lime	119
34	shale	153
61	lime	214
21	shale	235
4	lime	239
18	shale	257
2	lime	259
2	shale	261
8	lime	269
21	shale	290
13	lime	303
51	shale	354
25	lime	379 base of the Kansas City
178	shale	557
12	lime	569
10	shale	579
6	lime	585
28	shale	613
12	lime	625
30	shale	655
2	broken sand	657
1	oil sand	658
0.5	limey sand	658.5
1.5	oil sand	660
2	broken sand	662
5	silty shale	667
19	shale	686
5	grey sand	691
21	shale	712
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	coal	713
17	shale	730
2	grey sand	732
4	white sand	736

Kent Nunemaker #1

Page 2

4	silty shale	740
20	shale	760

Drilled a 10" hole to 64' Drilled a 5 5/8" hole to 760'

Set 64' of 7" surface casing cemented by Consolidated Oil Services.

Set 728.7' of 2 7/8" threaded and coupled 8 round upset tubing with 3 centralizers, 1 float shoe, and 1 clamp.

Kent Nunemaker #1

	Core Times	\$
	Minutes	Seconds
656		36
657		40
658		39
659		17
660		20
661		24
662		26
663		29
664		25
665		26
666		29
667		31
668		32
669		36
670		31
671		32
672		34
673		33
674		42
675		33

Page 3

Co Co	NSCLIDATED			TICKET NUME	BER_ 36	777
	Well Servises, LLC			LOCATION D	Maug	• .
	AND AND AND AND AND		•		Alan M	aber
0 Box 884, Char	ute KS 66720 FI	ELD TICKET & TRE	ATMENT REP			
20-431-9210 or	800-467-8676	CEME	NT			
	•	LL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNT
2,30-11	1862 K N/110	emaker #1	Suc 27	12	20	
USTOMER 1	F. P. /VUM	Emaner # 1				
Circle	E	· · · ·	TRUCK#	DRIVER	TRUCK #	DRIVE
AILING ADDRESS			516	AanM	Satern	Mee
3820	w Jana		368	ArlenM	AN	
T	STATE	ZIP CODE	370	GanyM	GM	·
hoeland	Lark KS	6009	548	Keith D	160	1. A.
OB TYPE She	TAUL HOLE SIZE	92 HOLE DEF	PTH 64	CASING SIZE & V	VEIGHT	
ASING DEPTH	0 DRILL PIPE	TUBING		· · ·	OTHER	
LURRY WEIGHT_	SLURRY VOL	WATER ga	al/sk	CEMENT LEFT in	CASING VS	5
ISPLACEMENT	2.6 DISPLACEME	NT PSI 100 MIX PSI	<u> </u>	RATE 460	m	
EMARKS: H.P.	d crev ne	eting; Acted	as mud	pump	while	drill
Color. 1a	57 3', MX	or + pumped	100 # oel	to cle	an holy	e.
Pulled	eterel but t	ran Tucasi	ns. Mire	d & Du	in Derl	35.
50/5014	Ment plus	2% 00/ 2/27	Plased De	~ GECK.	Nixed	11:5
Laten A	5D# calcium	1. Girculater	2 cemen	+. D:504	aced	casi
NGI CE V				i pige		1
1. Ala	a bbl de	an water,	[losed 1)	clue:	· · · · ·	
with	21/2 bb/ cle	gn water,	Clased u	al-e:		
Right I		Gn water,	Llosed v	glue:		
Frans 1		Gn water,	Llesed v	<u>glue:</u>		1
Frans 1		en water,	Llesed v	alese:	m Mot	In
Evans I	Energy, Ken					International
-		DESCRIPTION	Nof SERVICES or PR			
ACCOUNT	Energy, Ken	DESCRIPTION PUMP CHARGE				тота 825.0
ACCOUNT CODE 54025 5406	QUANITY or UNITS	DESCRIPTION PUMP CHARGE MILEAGE			UNIT PRICE	
ACCOUNT	QUANITY or UNITS	DESCRIPTION PUMP CHARGE				
ACCOUNT CODE 54029 5406	QUANITY or UNITS	DESCRIPTION PUMP CHARGE MILEAGE			UNIT PRICE	
ACCOUNT CODE 54025 5406 5407	QUANITY or UNITS	DESCRIPTION PUMP CHARGE MILEAGE				
ACCOUNT CODE 54029 5406	QUANITY or UNITS	DESCRIPTION PUMP CHARGE MILEAGE Casins for for mile	N of SERVICES or PRO			
ACCOUNT CODE 54025 5406 5407	QUANITY or UNITS	DESCRIPTION PUMP CHARGE MILEAGE Casins for for mile	N of SERVICES or PR			
ACCOUNT CODE 54025 5406 5407	QUANITY or UNITS	DESCRIPTION PUMP CHARGE MILEAGE Casins For For Mile Bouge	N of SERVICES or PR			
ACCOUNT CODE 5406 5406 5402 5407 55020	QUANITY or UNITS [[[[] []]]]]]]]]]]]]	DESCRIPTION PUMP CHARGE MILEAGE Casins for for mily BOwar 50/50 cer	N of SERVICES or PR			
ACCOUNT CODE 5406 5406 5402 5407 55020	QUANITY or UNITS [[[[] []]]]]]]]]]]]]	DESCRIPTION PUMP CHARGE MILEAGE Casins For Fon Mile BOwac 50/50 cec gel	N of SERVICES or PR			
ACCOUNT CODE 5406 5406 5402 5407 55020	QUANITY or UNITS QUANITY or UNITS 1 1/2 Min 2 35 159# 18#	DESCRIPTION PUMP CHARGE MILEAGE Casins For fon nily BOwar 30/50 ce gel flosegl	N of SERVICES or PR			825.0
ACCOUNT CODE 5406 5406 5402 5407 55020	QUANITY or UNITS [[[[] []]]]]]]]]]]]]	DESCRIPTION PUMP CHARGE MILEAGE Casins For Fon Mile BOwac 50/50 cec gel	N of SERVICES or PR			825.0
ACCOUNT CODE 5406 5406 5402 5407 55020	QUANITY or UNITS QUANITY or UNITS 1 1/2 Min 2 35 159# 18#	DESCRIPTION PUMP CHARGE MILEAGE Casins For fon nily BOwar 30/50 ce gel flosegl	N of SERVICES or PR			825.0
ACCOUNT CODE 5406 5406 5402 5407 55020	QUANITY or UNITS QUANITY or UNITS 1 1/2 Min 2 35 159# 18#	DESCRIPTION PUMP CHARGE MILEAGE Casins For fon nily BOwar 30/50 ce gel flosegl	N of SERVICES or PR			TOTAL 825.0
ACCOUNT CODE 5406 5406 5402 5407 55020	QUANITY or UNITS QUANITY or UNITS 1 1/2 Min 2 35 159# 18#	DESCRIPTION PUMP CHARGE MILEAGE Casins For fon nily BOwar 30/50 ce gel flosegl	N of SERVICES or PR			825.0
ACCOUNT CODE 5406 5406 5402 5407 55020	QUANITY or UNITS QUANITY or UNITS 1 1/2 Min 2 35 159# 18#	DESCRIPTION PUMP CHARGE MILEAGE Casins For fon nily BOwar 30/50 ce gel flosegl	N of SERVICES or PR			825.0
ACCOUNT CODE 5406 5406 5402 5407 55020	QUANITY or UNITS QUANITY or UNITS 1 1/2 Min 2 35 159# 18#	DESCRIPTION PUMP CHARGE MILEAGE Casins For fon nily BOwar 30/50 ce gel flosegl	N of SERVICES or PR			825.0
ACCOUNT CODE 5406 5406 5402 5407 55020	QUANITY or UNITS QUANITY or UNITS 1 1/2 Min 2 35 159# 18#	DESCRIPTION PUMP CHARGE MILEAGE Casins For fon nily BOwar 30/50 ce gel flosegl	N of SERVICES or PR			825.0
ACCOUNT CODE 5406 5406 5402 5407 55020	QUANITY or UNITS QUANITY or UNITS 1 1/2 Min 2 35 159# 18#	DESCRIPTION PUMP CHARGE MILEAGE Casins For fon mily BOwar 30/50 ce gel flosegl	N of SERVICES or PR			825.0
ACCOUNT CODE 54015 5402 5407 5502C 1124 1123 1107 1102	QUANITY or UNITS QUANITY or UNITS 1 1/2 Min 2 35 159# 18#	DESCRIPTION PUMP CHARGE MILEAGE Casins For fon mily BOwar 30/50 ce gel flosegl	N of SERVICES or PR			825.0

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

TICKET NUMBER

;ons(OLI	DAI	ED
Qil Well	Serv	ices,	LIC

LOCATION OK FOREMAN Fred Made

TOTAL

DATE

3208

KS 66720 PO Box 884, Ch anute 620-4

FIELD TICKET & TREATMENT REPORT

620-431-9210 0	r 800-467-8676			CEMEN	F i i i i i i i i i i i i i i i i i i i			
DATE	CUSTOMER#	WELL	NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
1/4/12	1862	Numeim	aker #)	AL	+ SW 27	12	20	LV
CUSTOMER	1 2.7							
MAILING ADDRES		nuestmen	NS LUC.		TRUCK #	DRIVER	TRUCK#	DRIVER
				1	506	FREMAD	Safety	my
CITY CITY	LO W	5 2nd STATE	ZIP CODE		475	NARBEC	HAB &	0
		· · · ·	66205		370	ARLMOD	ARM	
Roeland		ØKS	5 1/8	J. L	5.00	RYASIN	RS	*
JOB TYPE			0.1	HOLE DEPTH	760	CASING SIZE & W		EDE
CASING DEPTH				_TUBING		CEMENT LEFT in	OTHER	1.01.
SLURRY WEIGHT		SLURRY VOL		WATER gal/sk				Pile
	4.23 BBL					RATE <u>JBPN</u>		
						Premium		
	Pump					ut 2% Cial.		
						isplace 2		
						aber. Pre		>
5801	PSI. Re	lease	Press	ure to	Set 4100	A Valuer	Shorth	• *
Cas	ing-							
	0					1	14	······
	~	2	1	· · ·	~	1 Dra A		
Eva	ns Energy	y peur	fine.		7	Lend Mad	h	· · · · · · · · · · · · · · · · · · ·
ACCOUNT	QUANITY o	or UNITS	DE	SCRIPTION of	SERVICES or PR	ODUCT	UNIT PRICE	TOTAL
5401		1	PUMP CHARG	SE		495		103000
5406	3	5mi	MILEAGE	•		495		14000
5402		28	Cash	footage				NIC
5407	Minim		0	miles		593		33000
55024		2 hrs		BL Vac	Truck		2	18000
00020		~ ~ ~ ~				•		
								-
1124	12	OSKS	50/50	Posmix	Centert			131400
IIISB		2#		um Gel				63 42
	30	rd.	Iveni v'a	om wel				60-
4402		1	22 R	ubber pl	.0			2800
· · ·							1	
					art	•		·
					- av			
			·	01	10.			
					~1~		-	
				U		7.3%	OAL FO TAY	
Ravin 3737	Λ	· M			· · · · ·	1.0/0	SALES TAX ESTIMATED	10259

AUTHORIZTION

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

TITLE