

Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

1205719

Form ACO-1 August 2013 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.	TwpS. R	East West
Address 2:			F6	eet from North /	South Line of Section
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section
Contact Person:			Footages Calculated from	Nearest Outside Section C	Corner:
Phone: ()			□ NE □ NW	V □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	, Long:	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	W	ell #:
	e-Entry	Workover	Field Name:		
	_		Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW ∏ SIGW	Elevation: Ground:	Kelly Bushing:	
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total D	epth:
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet
Operator:			If Alternate II completion, c	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:					
Deepening Re-perf	J	ENHR Conv. to SWD	Drilling Fluid Managemer	nt Dlan	
☐ Plug Back	Conv. to G		(Data must be collected from to		
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	: bbls
Dual Completion			Dewatering method used: _		
SWD			Location of fluid disposal if	f hauled offsite:	
☐ ENHR					
GSW	Permit #:		Operator Name:		
_ <del>_</del>			Lease Name:	License #:_	
Spud Date or Date R	eached TD	Completion Date or	QuarterSec	TwpS. R	East West
Recompletion Date		Recompletion Date	County:	Permit #:	

#### **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.

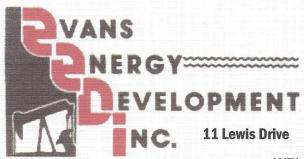
**Submitted Electronically** 

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I I II Approved by: Date:

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Operator Name:				Lease N	lame: _			Well #:		
Sec Twp	S. R	East	West	County:						
<b>INSTRUCTIONS:</b> Shopen and closed, flow and flow rates if gas to	ing and shut-in pressu	ires, whet	her shut-in pre	ssure reach	ned stati	c level, hydrostat	tic pressures, bott			
Final Radioactivity Log files must be submitte						gs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital ele	ctronic log
Drill Stem Tests Taken (Attach Additional S		Ye	s No		L		n (Top), Depth an			nple
Samples Sent to Geol	ogical Survey	Ye	s No		Nam	е		Тор	Dat	um
Cores Taken Electric Log Run		☐ Ye								
List All E. Logs Run:										
			CASING	RECORD	Ne	w Used				
		Repor	t all strings set-c	conductor, su	rface, inte	rmediate, producti	on, etc.		ı	
Purpose of String	Size Hole Drilled		Casing (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used	Type and Addit	
			ADDITIONAL	CEMENTIN	IG / SQL	EEZE RECORD				
Purpose:  Perforate Protect Casing Plug Back TD	Depth Top Bottom	Type	of Cement	# Sacks	Used		Type and P	ercent Additives		
Plug Off Zone										
Did you perform a hydrau Does the volume of the to Was the hydraulic fractur	otal base fluid of the hydra	aulic fractur	0	,	0	? Yes	No (If No, ski	o questions 2 ar o question 3) out Page Three		)
Shots Per Foot			D - Bridge Plug ach Interval Perf				cture, Shot, Cement mount and Kind of Ma		d	Depth
TUBING RECORD:	Size:	Set At:		Packer At		Liner Run:				
TOBING NECOND.	Size.	Sel Al.		Facker At	•	_	Yes No			
Date of First, Resumed	Production, SWD or ENF	IR.	Producing Meth	nod:	e 🗆	Gas Lift O	ther (Explain)			
Estimated Production Per 24 Hours	Oil B	bls.	Gas	Mcf	Wate	er Bl	ols. G	as-Oil Ratio	(	Gravity
DISPOSITIO	ON OF GAS:		N	METHOD OF	COMPLE	TION:		PRODUCTIO	ON INTERVAL	<u>.</u>
Vented Sold			pen Hole	Perf.	Dually	Comp. Com	nmingled			
(If vented, Sub	omit ACO-18.)		ther (Specify)		(Submit )	100-5) (Subi	mit ACO-4)			



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 Joeckel #KRI-51 API # 15-121-30,341 May 6 - May 7, 2014

Thickness of Strata	<u>Formation</u>	Total
29	soil & clay	29
34	shale	63
7	lime	70
1	shale	71
15	lime	86
12	shale	98
5	lime	103
37	shale	140
15	lime	155
25	shale	180
12	lime	192
5	shale	197
5	lime	202
4	shale	206
13	lime	219
3	shale	222
16	lime	238 base of the Kansas City
144	shale	382
1	sand	383 light brown, minimal bleeding
3	limey sand	386 light bleeding
8	broken sand	394 80% light brown sand, 20% shale, ok bleeding
3	limey sand	397 light bleeding
6	broken sand	403 60% brown sand 40% shale, good bleeding
6	oil sand	409 hard brown sand, good bleeding
1	broken sand	410 10% brown sand 90% shale, light bleeding
8	shale	418
7	lime	425
6	lime	431 some porosity good bleeding
6	lime	437 light bleeding
26	shale	463
1	coal	464
.6	shale	470
5	lime	475
16	shale	491
3	lime	494
16	shale	510
4	lime	514
19	shale	533
3	lime	536
22	shale	558
2	lime	560

Joec	kel	#K	R	-51

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7	shale	567
1	coal	568
17	shale	585
3	silty shale	588
2	broken sand	590 light brown sand & shale, light bleeding
5	sand	595 light brown sand no bleeding occasional light odor
6	sand	601 black & grey, no oil
21	sand	622 brown & grey, no oil
1	coal	623
13	shale	636
1	coal	637
1	shale	638
5	broken sand	643 60% brown sand 40% shale ok bleeding
1	lime/shale	644
9	silty shale	653
1	broken sand	654 40% brown sand 60% shale ok bleeding
3	silty shale	657
3	broken sand	660 50% brown sand 50% shale, good bleeding
12	oil sand	672 brown, good bleeding
6.5	shale	678.5
1.5	coal	680
59	shale	739 TD

Drilled a 9 7/8" hole to 33.4' Drilled a 5 5/8" hole to 739'

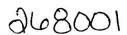
Set 33.4' of 7" surface casing cemented with 6 sacks of cement

Set 728.5' of 2 7/8" 8 round upset tubing with 3 centralizers, 1 float shoe, 1 clamp and 1 baffle. Baffle set 32.10' from bottom of tally.

## **Core Times**

	Minutes	Seconds
660		41
661		48
662		35
663		32
664		32
665		33
666		38
667		43
668		49
669		39
670		46
671		45
672		41
673		42
674		49
675		44
676		46
677		36
678		28
679		32

CONSOLIDAT	ED
OH Well Berviess,	LLG



TICKET NUMBER_	<b>4</b> 7180
LOCATION O XX	awa KS
FOREMAN Fre	d Mader

PO B 84,	Cha	nute,	KS	66720	
620-451-9210	or	800-	467-	8676	

	r 800-467-8676		1444F 0 511 184D	CEMEN	SECTION	TOWNSHIP	RANGE	COUNTY
DATE	CUSTOMER#		NAME & NUMB		SW 13	17	22	mı
7-14 TOMER	4448	Joeckel	1000	<u> </u>	1300 /3	110	TRUCK#	DRIVER
LOMER	Re source	Expl + 1	) av		TRUCK #	DRIVER	TRUCK#	
ING ADDRE	SS	<i>S. F. F. S. S. S. S. S. S. S. S</i>			712	FreMad		
					495	HorBec		
Y	W 11	STATE	ZIP CODE		370	JosPie		
) verlan	d Park	Ks	66210	]	503	CASING SIZE & W	(CICUT 27/4 6	UE
TYPE		HOLE SIZE		HOLE DEPT	н7.36'		OTUED	
SING DEPTH	728.50	DRILL PIPE	offle in	TUBING_Q	696.4	01-20-2000 and	CASING .32' Y	Plug
JRRY WEIGH		SLURRY VOL			sk	RATE 5 BP1	W	
PLACEMENT		DISPLACEMENT	PSI	MIX PSI		RATE S DE	M La Para	1 100#
MARKS: H	ald creu				blish pu	mp rati-	11 × 12	Cal
6.1	Flush							
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	ing							
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						- 4	11/20.	
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ACCOUNT					of SERVICES or P	RODUCT	UNIT PRICE	TOTAL
CODE	QUANIT	Y or UNITS				495		108590
5401		1	PUMP CHARC	3E		770		N/C
5406			MILEAGE	P 11			<del> </del>	NK
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