

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1204307

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:			F	eet from North /	South Line of Section
City: S	tate: Zip	D:+	F	eet from East /	West Line of Section
Contact Person:			Footages Calculated from	Nearest Outside Section	Corner:
Phone: ()			□ NE □ NV	v □se □sw	
CONTRACTOR: License #			GPS Location: Lat:	. Lona:	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	V	Vell #:
	-Entry	Workover	Field Name:		
	_	_	Producing Formation:		
☐ Oil ☐ WSW	SWD	SIOW	Elevation: Ground:	Kelly Bushinç	j:
☐ Gas ☐ D&A	☐ ENHR	☐ SIGW	Total Vertical Depth:	Plug Back Total	Depth:
CM (Coal Bed Methane)	□ GSW	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet
Cathodic Other (Con	e Expl etc)		Multiple Stage Cementing		_
If Workover/Re-entry: Old Well In			If yes, show depth set:		
Operator:			If Alternate II completion, o		
Well Name:			feet depth to:		
Original Comp. Date:			loot doparto.	<i></i>	
Deepening Re-perf.	_	NHR Conv. to SWD	B		
Plug Back	Conv. to GS		Drilling Fluid Manageme (Data must be collected from t		
			Chlavida content	nom Fluid valum	o. bblo
Commingled	Permit #:		Chloride content:		
Dual Completion	Permit #:		Dewatering method used:		
SWD	Permit #:		Location of fluid disposal if	f hauled offsite:	
☐ ENHR	Permit #:		Operator Name:		
GSW	Permit #:		Lease Name:		
			Quarter Sec		
Spud Date or Date Recompletion Date	ached TD	Completion Date or Recompletion Date	County:		

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.

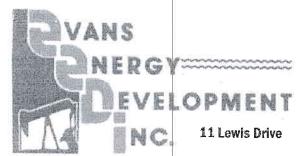
Submitted Electronically

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

Page Two



Operator Name:				Lease N	Name: _			_ Well #:		
Sec Twp	S. R	East	West	County	:					
	ow important tops of fo ing and shut-in pressu o surface test, along wi	res, whe	ther shut-in pre	ssure reacl	hed stati	c level, hydrosta	tic pressures, bo			
Final Radioactivity Logilles must be submitted						gs must be ema	iled to kcc-well-lo	ogs@kcc.ks.go	v. Digital	electronic log
Drill Stem Tests Taken (Attach Additional S		Ye	es No			3	on (Top), Depth a			Sample
Samples Sent to Geol	ogical Survey	Ye	es 🗌 No		Nam	9		Тор	L	Datum
Cores Taken Electric Log Run		☐ Y€								
List All E. Logs Run:										
			CASING	RECORD	│ Ne	w Used				
		Repo				rmediate, producti	on, etc.			
Purpose of String	Size Hole Drilled		e Casing t (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
Purpose	Depth					EEZE RECORD				
Purpose: Perforate	Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives		
Protect Casing Plug Back TD										
Plug Off Zone										
Did you perform a hydrau	ilic fracturing treatment or	this well?	?			Yes	No (If No, sk	ip questions 2 ar	nd 3)	
	otal base fluid of the hydra		•		•			ip question 3)		
Was the hydraulic fractur	ing treatment information	submitted	to the chemical of	disclosure reg	gistry?	Yes	No (If No, fil	out Page Three	of the ACC)-1)
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Cemen		d	Depth
TUBING RECORD:	Size:	Set At:		Packer At	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or ENH	R.	Producing Meth Flowing	nod:	g 🗌	Gas Lift C	other (Explain)			
Estimated Production Per 24 Hours	Oil Bl	bls.	Gas	Mcf	Wate	er Bl	ols.	Gas-Oil Ratio		Gravity
DIODOGITI	ON OF CAC			ACTUOD OF	COMPLE	TION		DDODUGT)	
Vented Sold	ON OF GAS: Used on Lease		N Open Hole	NETHOD OF \Box Perf.	Dually	Comp. Con	nmingled	PRODUCTIO	ואו ואו EK'	/AL:
(If vented, Sub			Other (Specify)		(Submit A	ACO-5) (Subi	mit ACO-4)			



Oll & Gas Well Drilling Water Wells Geo-Loop Installation

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

Paola, KS 66071

WELL LOG

Vast Petroleum of Kansas LLC Jewel J. Shikels #23 API #15-107-24,830 January 9, 2014 - January 13, 2014

Thickness of Strata	<u>Formation</u>	<u>Total</u>
1	soil & clay	1
10	lime	11
22	sandstone	33 grey, no oil
71	shale	104
9	lime	113
5	shale	118
38	lime	156
6	shale	162
24	lime	186
4	shale	190
19	ſime	209 base of the Kansas City
27	shale	236
31	sand	267 grey, no oil
106	shale	373
24	lime	397 with a few shale seams
39	shale	436
2	sand	438 grey, no oíl
11	shale	449
1	coal	450
3	shale	453
10	líme	463
12	shale	475
4	lime	479
28	shale	507
6	lime	513
21	shale	534
2	lime	536
34	shale	570
3	broken sand	573 brown & green 90% shale oil odor
1	broken sand	574 brown & grey 2% bleeding
1.5	shale	575.5
1.5	broken sand	577 brown & grey 10% bleeding 90% shale
1	shale	578
8	broken sand	586 brown & grey 10% bleeding 60% shale
0.5	shale	586.5
4 4.5	broken sand	590.5 brown & grey 20% bleeding 20% shale
4.5	shale	595
.h.	broken sand	596 brown & grey 2% bleeding 90% shale

Jewel J. Shikels #23		Page 2
1 7 2 1.5 4 5 1 2.5 2	shale broken sand shale oil sand broken sand shale oil sand silty shale lime & sand	597 604 brown & grey 20% bleeding 50% shale 606 607.5 brown few thin bleeding seams 611.5 brown & grey 10% bleeding 70% shale 616.5 617.5 brown 90% bleeding 620 622 692 TD

Drilled a 12 1/4" hole to 21.2' Drilled a 5 5/8" hole to 692'

Set 21.2' of 8 5/8" threaded and coupled surface casing, cemented with 8 sacks cement.

Set 682.05' of 4 1/2" tubing including 6 centralizers, 1 float shoe, 1 baffel,1 glamp.

		Core Times						
	<u>Minutes</u>	Seconds		<u>Minutes</u>	Seconds		Minutes	Seconds
574	1	7	595	1	1	616	1711111110	58
575	1	6	596	1	22	617	1	4
576		53	597	1	32	618	1	4
577		47	598	1	22	619	1	31
578		56	599	•	59	620	1	0
579		48	600	1	1	621	1	1
580		55	601	1	32	622	•	57
581		52	602	1	37	623	1	4
582		43	603	1	7	624	1	12
583		53	604	•	50	625	,	53
584	1	2	605	1	7	626	4	
585		54	606	1	13	627	1	42
586		44	607	•	58	628	1	27
587		57	608	1	17	629	1	45
588		56	609	1	6		1	23
589		54	610	1	54	630	1	47
590	1	6	611	1	17	631	1	10
591		59	612	1	23	632	1	13
592	1	14	613	1		633	1	10
593	1	22		1	4	634	1	5
594	1		614	1	35	635	.1	15
554	ı	44	615	1	13			



TICKET NUMBER 42533 LOCATION Oftawa KS

FOREMAN Fred Mader

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

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER#	WE	LL NAME & NUM	BEK	SECTION	TOWNSHIP	T SALION	
1.13.14	8553	Shik.				+	RANGE	COUN
USTOMER	^	O AIR	2	× 3	NE 25	20	1 21	LILA
MAILING ADDRE	+ Pexxale	vm of	KS LLC	1	TRUCK#	DRIVER	TRUCK'#	DRIVE
					712	FreMad	1	DIVE
109;	39 N. Alp	My Hy	YIZID CODE		- 495	HarBee		
High	la u d	IAIE			370	KeiCar		
		UT	64003		510	Sex Tuc		T
		OLE SIZE	63/4	HOLE DEP	TH_ 692_	CASING SIZE &		<i>ii</i>
ASING DEPTH	-0-0	ULL PIPE		_TUBING			OTHER	, ,
LURRY WEIGH	-10.8BA	URRY VOL		WATER ga	/sk		n CASING Y/2	"Plug
				MIX PSI	100 M 100 M 100 M	RATE 5 BF		- 0
EMARKS:		Sate	by need	hiling.	-stablish,	Owno vas	i Myr	Pump
100		C 174-51	Jp 5.5		Telltale	dye. 1	Tollow w	1/
1/4 # 1	JI 0 .	0/50	Pa. Mix	Cem	ent 2% 6	2 270 C	eldum 1	hlorid
	-lo Srol /	1		ump	+ lines c	Iran, D	splace	4/2"
Rubb	1 1	10	casing	TO.	Piesso	ve to	600 # P	51.
- Kile	se fres	SUVE	to sex	- Floa	Value.	Shot S	2 Casing	
			3				- /	
p-	——————————————————————————————————————	~	- a				1 0:	1
Evas	15 Energ	y Del	. Tuc.	(rai	1.5	Loud	Made	
ACCOUNT						/	3	
,	QUANITY or I	JNITS	l DES	COUDTION .	formula	7-12-12-12-12-12-12-12-12-12-12-12-12-12-		
CODE		H. (611). (100).	-	OCKIP HON (of SERVICES or PRO	DUCT	UNIT PRICE	TOTAL
540/		1511.55	PUMP CHARGE		T SERVICES OF PRO		UNIT PRICE	
					SERVICES or PRO	.495	UNIT PRICE	10859
5401		≤ mi	PUMP CHARGE MILEAGE				UNIT PRICE	10850
5401 5406 5402		5 mi	PUMP CHARGE MILEAGE			495	UNIT PRICE	1085°
5401 5406 5402 5407	1 3 6 M minus	52 nd	PUMP CHARGE MILEAGE Casing Ton	foots Miles	990	495 4195 510 8	UNIT PRICE	1085°
5401 5406 5402		52 ni	PUMP CHARGE MILEAGE Casing Ton	foots Miles		495	UNIT PRICE	1085°
5401 5406 5402 5407	1 3 6 M minus	52 nd	PUMP CHARGE MILEAGE Casing Ton	foots Miles	990	495 4195 510 8	UNIT PRICE	1085°
540/ 540/ 5402 5407 5502C	1 3 6 M minus 2	s mi sz hrs	PUMP CHARGE MILEAGE Casing Ton 80 B	Foots Miles BC Va	cy.Truck	.495 .495 .495 .510 & .370	UNIT PRICE	1085°
5401 5406 5402 5407 5502C	1 3 6 M minus 2	s mi sz hrs	PUMP CHARGE MILEAGE Casing Ton 80 B	footo Miles BC Va	cy. Truck 21x Cament	.495 .495 .495 .510 & .370	UNIT PRICE	1085° 1-17° 1016 368° 180
540/ 540/ 5407 5502C 1154 1188	1 3 6 m m m m 2 2 7 3	s mi sz hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 150/50 Premi	Foots Miles BC Va Poets	cy. Truck 7:x Cament	.495 .495 .495 .510 & .370	UNIT PRICE	1085° 147° , N/C 368° 180
540/ 540/ 540/ 5407 5502C 1124 1188 1102	10 273 10 273	s mi 62 hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 50/50 Premi Calcius	Foots Miles Be Va Porn Vm G	cy. Truck 7:x Cament	.495 .495 .495 .510 & .370		1085° 147° , NIC 368° 180
540/ 540/ 5407 5502C 1124 118B 1102 1102	10 273 10 273	s mi sz hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 50/50 Premi Calcius	Foots Miles Be Va Porn Vm G	cy. Truck 7:x Cament	.495 .495 .495 .510 & .370		1085° 147° 1010° 368° 180°
540/ 540/ 5407 5502C 1124 1188 1102	10 273 10 273	s mi 62 hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 150/50 Premi	Foots Miles Be Va Porn Vm G	cy. Truck 7:x Cament	.495 .495 .510 8 .378		1085° 147° 160° 368° 180° 1156° 136°
540/ 540/ 5407 5502C 1124 118B 1102 1102	10 273 10 273	s mi 62 hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 50/50 Premi Calcius	Foots Miles Be Va Porn Vm G	cy. Truck Tix Coment	.495 .495 .510 8 .378		1085° 147° 1010° 368° 180°
540/ 540/ 5407 5502C 1124 118B 1102 1102	10 273 10 273	s mi 62 hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 50/50 Premi Calcius	Foots Miles Be Va Porn Vm G	cy. Truck Tix Coment	.495 .495 .510 8 .378		1085° 147° 1010° 368° 180°
540/ 540/ 5407 5502C 1124 118B 1102 1102	10 273 10 273	s mi 62 hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 50/50 Premi Calcius	Foots Miles Be Va Porn Vm G	cy. Truck Tix Coment	.495 .495 .510 8 .378		1085° 147° 147° 368° 180°
540/ 540/ 5407 5502C 1124 118B 1102 1102	10 273 10 273	s mi 62 hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 50/50 Premi Calcius	Foots Miles Be Va Porn Vm G	cy. Truck Tix Coment	.495 .495 .510 8 .378		1085° 147° 1010° 368° 180°
540/ 540/ 5402 5407 5502C 1124 1118B 1102 1102	10 273 10 273	s mi 62 hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 50/50 Premi Calcius	Foots Miles Be Va Porn Vm G	cy. Truck Tix Coment	.495 .495 .510 8 .378		1085° 147° 1010° 368° 180°
540/ 540/ ₆ 5407 5502C 1124 1118B 1102 1102	10 273 10 273	s mi 62 hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 50/50 Premi Calcius	Foots Miles Be Va Porn Vm G	cy. Truck Tix Coment	.495 .495 .510 8 .378		1085° 147° 160° 368° 180° 1156° 136°
540/ 540/ 5402 5407 5502C 1154 1154 1102 1102 1102 1404	10 273 10 273	s mi 62 hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 50/50 Premi Calcius	Foots Miles Be Va Porn Vm G	cy. Truck Tix Coment	.495 .495 .510 8 .378	4725	1085° 147° 180° 368° 180° 1196 60° 136° 64° 48°
540/ 540/ 5402 5407 5502C 1154 11188 1102 1102 1102 1104 1109	10 273 10 273	s mi 62 hrs hrs	PUMP CHARGE MILEAGE Casing Ton 80 B 50/50 Premi Calcius	Foots Miles Be Va Porn Vm G	cy. Truck Tix Coment	495 495 495 378	SALES TAX ESTIMATED	1085° 1-17° 1085° 1-17° 1085° 1085° 1085° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086° 1086°
540/ 540/ 540 2 5407 5502C 1154 11188 1102 1102 1102 1104	10 273 10 273	5 mi 52 M hrs 4 sks 4	PUMP CHARGE MILEAGE Casing For B So B So/50 Premi Calcius Flo Se 4/2" Ru	Fook Miles Be Va Port Vm G. n Chlo	cy. Truck Tix Coment	495 455 510 8 378	SALES TAX ESTIMATED TOTAL	1085° 147° 180° 180° 180° 186° 186° 186° 186° 186° 186° 186° 186° 186°