

Confiden	tiality Requested:
Yes	No

Kansas Corporation Commission Oil & Gas Conservation Division

1221824

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:		
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 Plan	
Plug Back	Conv. to G		(Data must be collected from to		
Commingled	Permit #		Chloride content:	ppm Fluid volume	: bbls
Dual Completion			Dewatering method used:_		
SWD			Location of fluid disposal if	hauled offsite:	
ENHR	Permit #:				
GSW	Permit #:		Operator Name:		
			Lease Name:		
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	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 II III Approved by: Date:

Page Two



Operator Name:			Lease Name:			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ing and shut-in pressu	ormations penetrated. D res, whether shut-in pre ith final chart(s). Attach	ssure reached stati	c level, hydrosta	tic pressures, bott		
		tain Geophysical Data a r newer AND an image f		gs must be ema	iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Taker (Attach Additional S		Yes No			on (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes No	Name	Э		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne onductor, surface, inte		on, 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
	Dillied	Set (III O.D.)	LDS./1t.	Берш	Cement	Oseu	Additives
		ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Po	ercent Additives	
Perforate	ιορ Βοιιοπ						
Plug Back TD Plug Off Zone							
1 ldg 011 20110							
Did you perform a hydrau	ulic fracturing treatment or	this well?		Yes	No (If No, ski)	o questions 2 an	d 3)
		aulic fracturing treatment ex	=	= =	_ ·	o question 3)	of the ACO 1)
was the hydraulic fractur	ing treatment information	submitted to the chemical o	disclosure registry?	Yes	No (If No, fill o	out Page Three	or the ACO-1)
Shots Per Foot		N RECORD - Bridge Plugs ootage of Each Interval Perf			cture, Shot, Cement mount and Kind of Mai		Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	R. Producing Meth		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil Bl	bls. Gas	Mcf Wate	er B	bls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	M	METHOD OF COMPLE	TION:		PRODUCTIO	N INTERVAL:
Vented Sold		Open Hole	Perf. Dually	Comp. Cor	nmingled		
	bmit ACO-18.)	Other (Specify)	(Submit A	ACO-5) (Sub	mit ACO-4)		

CEMENT FIELD TICKET AND TREATMENT REPORT

Customer	Legand Oil % Gas	State, County		Cement Type		CLASS A
lob Type	Long String	Section		Excess (%)		30%
Customer Acct #	Long Comp	TWP		Density		13.6/14
Veli No.	Pat Collins # 20	RGE		Water Required		7.29/7.93
Mailing Address		Formation		Yelld		1.48/1.74
ity & State		Tubing		Sacks of Cement		50/55
ip Code		Drill Pipe		Slumy Volume		13/17
Contact		Casing Size	2 7/8	Displacement		5
mail		Hole Size	5 7/8	Displacement PSI		200/400
Cell		Casing Depth	880	MIX PSI		200
Dispatch Location	EUREKA	Hole Depth	894	Rate		3.5
ode	Cement Pump Charges and Mileage	Quantity	Unit	Price per Unit		
5401C	SINGLE PUMP (CASING JOB) 0-2000'	1	PER JOB	\$925.00	\$	925.00
5407	MIN. BULK DELIVERY (WITHIN 50 MILES)	2	PER LOAD	\$368.00	\$	736.00
0			0	\$0.00	\$	-
0			0	\$0.00	\$	
0			0	\$0.00	\$	
0			0	\$0.00	\$	-
0			0	\$0.00	\$	-
0			0	\$0.00	\$	•
0		<u> </u>	0	\$0.00	\$	4 004 00
			<u> </u>	QUIPMENT TOTAL	\$	1,661.00
	Cement, Chemicals and Water					
1131	60/40 POZMIX CEMENT W/ NO ADDITVES (40% POZ)	50	0	\$13.18	\$	659.00
1118B	PREMIUM GEL/BENTONITE (50#)	200	0	\$0.22	\$	44.00
1107A	PHENOSEAL	40	0	\$1.35 \$19.75	\$	54.00 1,086.25
1126	WC. CEMENT (CAL SEAL) 6%OWC. 2% CAL.CLORIDE 2% GE	55	0	\$19.75	\$	161.00
1110A	KOL SEAL (50 # SK)	350	0	\$0.46	\$	136.50
1111	GRANULATED SALT (50#) SELL BY #	350	0	\$1.35	\$	54.00
1107A	PHENOSEAL	40	0	\$0.22	\$	44.00
1118B	PREMIUM GEL/BENTONITE (50#)	200	0	\$0.00	\$	(671.62
0	30% Discount		0	\$0.00	\$	(07 1.02
0			0	\$0.00	\$	
0				CHEMICAL TOTAL		1,567.13
	To	T		CHEMICAL TOTAL	3	1,507.15
	Water Transport	-	DI MAGUNIA TOMON (OFIA	200.00	•	270.00
5502C	80 BBL VACUUM TRUCK (CEMENT)	3	BL VACUUM TRUCK (CEM		\$	
0	80 BBL VACOUM TRUCK (CEMENT)	3	0	\$0.00	\$	
	80 BBL VACUUM TRUCK (CEMENT)	3	0	\$0.00 \$0.00	\$	-
0		3	0	\$0.00	\$	-
0	Cement Floating Equipment (TAXABLE)	3	0	\$0.00 \$0.00	\$	-
0		3	0 0 T	\$0.00 \$0.00 RANSPORT TOTAL	\$ \$	-
0	Cement Floating Equipment (TAXABLE) Cement Basket		0	\$0.00 \$0.00	\$	270.00
0 0	Cement Floating Equipment (TAXABLE)		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL	\$ \$ \$	270.00
0 0	Cement Floating Equipment (TAXABLE) Cement Basket		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL : \$0.00	\$ \$ \$	270.00
0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL	\$ \$ \$	270.00
0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00	\$ \$ \$	270.00
0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL : \$0.00	\$ \$ \$ \$ \$	270.00
0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$	270.00
0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$	270.00
0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe Float Collars Guide Shoes		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$	270.00
0 0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe Float Collars		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$	270.00
0 0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$	270.00
0 0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe Float Collars Guide Shoes		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	270.00
0 0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes		0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$	270.00
0 0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates		0 0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	270.00
0 0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools		0 0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	270.00
0 0 0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes		0 0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	270.00
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0 0 0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc.		0 0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	270.00
0 0 0 0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc. Plugs and Ball Sealers		0 0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	270.00
0 0 0 0 0 0 0 0	Cement Floating Equipment (TAXABLE) Cement Basket Centralizer Float Shoe Float Collars Guide Shoes Baffle and Flapper Plates Packer Shoes DV Tools Ball Valves, Swedges, Clamps, Misc. Plugs and Ball Sealers 2 7/8* RUBBER PLUG		0 0 0 T	\$0.00 \$0.00 RANSPORT TOTAL \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	270.00
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AUTHORIZATION

DATE

FOREMAN Julians