Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1166594

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:	
Address 2:	Feet from Dorth / 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 #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
OG GSW Temp. Abd. CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	License #:
	Quarter Sec TwpS. R East West
Spud Date orDate Reached TDCompletion Date orRecompletion DateRecompletion 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 Iwo	1166594
Operator Name:	Lease Name:	Well #:
Sec TwpS. R	County:	
INCTDUCTIONS: Chave important tang of formations panetrated. Do	toil all aaroa Danart all final	appiae of drill stome tests sining interval tested, time test

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sh	eets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		ion, 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 / SQU	EEZE RECORD			
Purpose:	Depth	Tune of Coment	# Cooke Lload		Tune and F	Daraant Additiyaa	

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

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

	Yes	No	(If No, skip questions 2 and 3)
s?	Yes	No	(If No, skip question 3)
	Yes	No	(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge F Each Interval		e			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R		No	
Date of First, Resumed	Product	ion, SWD or ENH	٦.	Producing N	/lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
		-	1	-						
DISPOSITI	ON OF (AS:			METHOD	OF COMPLE	TION:		PRODUCTION INTER	RVAL:
Vented Solo		Jsed on Lease		Open Hole	Perf.	Dually (Submit /	Comp. 4 <i>CO-5)</i>	Commingled (Submit ACO-4)		
(If vented, Su	bmit ACC)-18.)		Other (Specify))					

	Well Bervices, LLC	for Consolitioned Out		FOREMAN 5	hannon to	eck
Box 884, Char	Iule, NO 00120	LD TICKET & TREAT			1717	-
0-431-9210 or		L NAME & NUMBER	SECTION	# 15-113-2 TOWNSHIP	RANGE	COUNTY
	2921 Joy	#/	20	175	3W	Methorson
JSTOMER	,	C+6	一個的		and an	DRIVER
AILING ADDRESS	lase beer	Drlg	TRUCK#	Chris B	TRUCK #	DRIVER
AILING ADDRESS	9 N. High L	Drive rig#2	515	colby N	Ters gal	
TY IV	STATE	ZIP CODE	515	20.09	nen ere retten er	
mepherse	n KS	67460	- Carrier In	of Science of Auct	information :	
DB TYPE 5/P	HOLE SIZE	12/4" HOLE DEPTH	435'	CASING SIZE & W		
ASING DEPTH	124 6.L. DRILL PIPE -			CEMENT LEFT in	OTHER	denn ha
	14.5-15# SLURRY VOL		sk	RATE 5BPM	M	
ISPLACEMENT		NT PSI MIX PSI MIX PSI ASING, Break cil	ulation .		75 5K5	Class A'
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		runn) Stiat			D I I I I I	
	nt for the state of the second		I DE STR	-0.50		
ACCOUNT	QUANITY or UNITS	DESCRIPTION o	f SERVICES or P	RODUCT	UNIT PRICE	TOTAL
CODE	working of one of			A BACK	0	+
		DUND OT ADOL		and the second sec	8000	870.00
54015	1				870.00	870.00 420.00
	100	PUMP CHARGE MILEAGE			4.20	420.00
54015 5406		MILEAGE	ent		4.20	420.00
54015 5406 11045	225 5KS	MILEAGE Class "A" come				420.00 3532.50 495.30
54015 5406 11045 1102	225 5KS 635 #	MILEAGE Class "A" ctme Calcium @ 39			4.20 15.70 .78 .22	420.00 3532.5 4/95.30 93.50
54015 5406 11045 1102 1118 B	225 5×5 635 # 425 #	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 2%	10		4.20 15.70 .78	420.00 3532.50 495.30
54015 5406 11045 1102	225 5KS 635 #	MILEAGE Class "A" ctme Calcium @ 39	10		4.20 15,70 ,78 ,22 2.47	420.00 3532.5 4795.30 93.50 279.11
54015 5406 11045 1102 1118 B 1107	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" c+me Calcium @ 39 Gel @ 2% Flo-cele @ 1/2#/2	9/0 SK	uck	4.20 15.70 .78 .22	420.00 3532.50 495.30 93.50 279.11
54015 5406 11045 1102 1118 B	225 5×5 635 # 425 #	MILEAGE Class "A" come Calcium @ 39 Gel @ 296 Florcele @ 1/2#/-	10	uck	4.20 15,70 ,78 ,22 2.47	420.00 3532.50 495.30 93.50 279.11 1470.37
54015 5406 11045 1102 1118 B 1107 5407A	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 296 Flo-cele @ 1/2#/2 Ton mileage	9/0 SK	uck	4.20 15,70 ,78 ,22 2.47	420.00 3532.5 495.30 93.50 279.11
54015 5406 11045 1102 1118 B 1107	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 296 Flo-cele @ 1/2#/2 Ton mileage	sk bulk Tr	uck	4.20 15,70 .78 .22 2.47 1.41	420.00 3532.50 495.30 93.50 279.11 1470.3
54015 5406 11045 1102 1118 B 1107 5407A	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 296 Flo-cele @ 1/2#/2 Ton mileage	sk bulk Tr	uck	4.20 15,70 .78 .22 2.47 1.41	420.00 3532.5 495.30 93.50 279.11 1470.3
54015 5406 11045 1102 1118 B 1107 5407A	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 296 Flo-cele @ 1/2#/2 Ton mileage	sk bulk Tr	uck	4.20 15,70 .78 .22 2.47 1.41	420.00 3532.5 495.30 93.50 279.11 1470.3
54015 5406 11045 1102 1118 B 1107 5407A	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 296 Flo-cele @ 1/2#/2 Ton mileage	sk bulk Tr	ue K	4.20 15,70 .78 .22 2.47 1.41	420.00 3532.50 495.30 93.50 279.11 1470.3
54015 5406 11045 1102 1118 B 1107 5407A	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 296 Flo-cele @ 1/2#/2 Ton mileage	sk bulk Tr	uck	4.20 15,70 .78 .22 2.47 1.41	420.00 3532.50 495.30 93.50 279.11 1470.3
54015 5406 11045 1102 1118 B 1107 5407A	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 296 Flo-cele @ 1/2#/2 Ton mileage	sk bulk Tr	wk	4.20 15,70 .78 .22 2.47 1.41 84.00	420.00 3532.57 495.30 93.50 279.11 1470.37 84,00
54015 5406 11045 1102 1118 B 1107 5407A	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 296 Flo-cele @ 1/2#/2 Ton mileage	sk bulk Tr		4.20 15,70 .78 .22 2.47 1.41 84.00	420.00 35532.50 4795.30 279.11 1470.31 84,00
54015 5406 11045 1102 1118 B 1107 5407A 44432	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 296 Flo-cele @ 1/2#/- Ton mileage 8 %" wooden 1	% SK bulk Tr Olug	uck 7. ¹⁵ %	4.20 15,70 .78 .22 2.47 1.41 84.00 SubTotal SALES TAX	420.00 3532.50 4795.30 93.50 279.11 1470.37 84,00 5 7264.7 320.6
54015 5406 11045 1102 1118 B 1107 5407A	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 296 Flo-cele @ 1/2#/2 Ton mileage	% SK bulk Tr Olug		4.20 15,70 .78 .22 2.47 1.41 84.00	420.00 3532.50 495.30 93.50 279.11 1490.31 84,00 5 7264.7 320.6
54015 5406 11045 1102 1118 B 1107 5407A 44432	225 5×5 635 # 425 # 113 #	MILEAGE Class "A" ceme Calcium @ 39 Gel@ 296 Flo-cele@ 1/2#/- Ton mileage 8%" Wooden 1 2%3	% SK bulk Tr Olug		4.20 15,70 .78 .22 2.47 1.41 84.00 SubTotal SALES TAX ESTIMATED	420.00 3532.5 4795.30 93.50 279.11 1470.3 84,00 5 7264.7 320.6
54015 5406 11045 1102 1118 B 1107 5407A 4432 4432 avin 3737	225 5×5 635 # 425 # 113 # 10.57 Tons 1	MILEAGE Class A" ceme Calcium @ 39 Ge @ 296 Flo-cele @ 1/2#/2 Ton mileage 8%" Wooden / 8%" Wooden / S%" Wo	bulk Tr bulk Tr plug	7.15%	4. 20 15, 70 , 78 , 22 2.47 1.41 84.00 SubTotal SALES TAX ESTIMATED TOTAL DATE_ form or in the	420.00 3532.5 495.30 93.50 279.11 1470.3 84,00 7264.7 320.6 7585 ⁴
54015 5406 11045 1102 1118 B 1107 5407A 4432 4432 avin 3737	225 5×5 635 # 425 # 113 # 10.57 Tons 1	MILEAGE Class A" ceme Calcium @ 39 Ge @ 296 Flo-cele @ 1/2#/2 Ton mileage 8%" Wooden / 8%" Wooden / S%" Wo	bulk Tr bulk Tr plug	7.15%	4. 20 15, 70 , 78 , 22 2.47 1.41 84.00 SubTotal SALES TAX ESTIMATED TOTAL DATE_ form or in the	420.00 3532.5 495.30 93.50 279.11 1470.3 84,00 7264.7 320.6 7585 ⁴
54015 5406 11045 1102 1118 B 1107 5407A 4432 4432 avin 3737	225 5×5 635 # 425 # 113 # 10.57 Tons 1	MILEAGE Class "A" ceme Calcium @ 39 Gel @ 296 Flo-cele @ 1/2 #/2 Ton mileage 8%" Wooden 1 8%" Wooden 1 0 0 0 0 0 0 0 0 0 0 0 0 0	bulk Tr bulk Tr plug	7.15%	4. 20 15, 70 , 78 , 22 2.47 1.41 84.00 SubTotal SALES TAX ESTIMATED TOTAL DATE_ form or in the	420.00 3532.5 495.30 93.50 279.11 1470.3 84,00 7264.7 320.6 7585.5
54015 5406 11045 1102 1118 B 1107 5407A 4432 4432 avin 3737	225 5×5 635 # 425 # 113 # 10.57 Tons 1	MILEAGE Class A" ceme Calcium @ 39 Ge @ 296 Flo-cele @ 1/2#/2 Ton mileage 8%" Wooden / 8%" Wooden / S%" Wo	bulk Tr bulk Tr plug	7.15%	4. 20 15, 70 , 78 , 22 2.47 1.41 84.00 SubTotal SALES TAX ESTIMATED TOTAL DATE_ form or in the	420.00 3532.5 495.30 93.50 279.11 1470.3 84,00 7264.7 320.6 7585.5

	Cil Vieli Servie							
	hanute, KS 667 or 800-467-867	20	LD TICKET					
DATE	CUSTOMER #		L NAME & NUME		SECTION	13-21362 TOWNSHIP	RANGE	COUNTY
10-14+13	2921	Joy	#1		20	175	36	McPherson
USTOMER	19				TOLLOK #	DRIVER	TRUCK #	DRIVER
	ESS		<u>.</u>		TRUCK #	Alonm	TROOK#	DRIVER
		Drive			667	Zevi		
ITY	NHigh	STATE	ZIP CODE		<u> </u>			
Mephers	σħ	Ks	67460					
OB TYPE P		HOLE SIZE	7%	HOLE DEPTH	L	CASING SIZE &		
ASING DEPTH	l	2	1/2 504	-			OTHER	
LURRY WEIGI		SLURRY VOL_			k	CEMENT LEFT in	CASING	
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EMARKS: 50	ofty Meeti	ng! Mig	up To A	2 Dril	pipe.	Jug Well	HS range	<u>).</u>
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		JobComp	Vere R	Edown		ankayou		
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ACCOUNT			T			POPULCT	UNIT PRICE	TOTAL
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5405N	1		PUMP CHARG	E			1085.00	
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1131				770				86.90
1131 1118B	375-						.72	86.90
1118B					RUIK TOU	<i>.</i> k		
	4.95700				Bulk Tru	.ck	1.41	86.90
1118B					Bulk Tru	.ck		
1118B					Bulk Tru	.c.k		
1118B					Bulk Iru	.c.k		
1118B	4.957 on				Bulk Iru	.c.k		
1118B	4.957 on				Bulk Tru	.c.k		697.95
1118B	4.957 0 M				Bulk Iru	.c.k		
1118B	4.957 0 M				Bulk Iru	.c.k		697.95
1118B	4.957 0 M				Bulk Iru	.c.k		697.95
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1118B	4.957 0 M				Bulk Jru			6 97.95
1118B	4.957 0 M				Bulk Iru	.c.k 7.15%	J.4) J.4) Sul ToTa SALES TAX ESTIMATED	2 97.95 2 97.95 3805.55 114.58
111813 5407A	4.957 0 M			kage 19	Bulk Iru		J.4)/ J.4)/ Sul ToTa Sales Tax Estimated Total	2 97.95 2 97.95 3805.55 114.58
1118 13 5407 A avin 3737	4.957.0 h	1 Print	Fon M.	каця Л / / ДеЗ	206		Sul Tota Sales tax estimated total date	2 97.95 2 97.95 3805.55 114.58 392 0.13