Confidentiality Requested: Yes No

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

1182017

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 North / South Line of Section				
City: Sta	ate: Zi	p:+	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) Datum: NAD27 NAD83 WGS84				
Wellsite Geologist:							
Purchaser:			County:				
Designate Type of Completion:			Lease Name: Well #:				
	Entry	Workover	Field Name:				
	_		Producing Formation:				
	SWD	SIOW	Elevation: Ground: Kelly Bushing:				
Gas D&A		SIGW	Total Vertical Depth: Plug Back Total Depth:				
OG	GSW	Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet				
CM (Coal Bed Methane)							
Cathodic Other (Core			Multiple Stage Cementing Collar Used? Yes No				
If Workover/Re-entry: Old Well Inf	o 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 To	otal Depth:					
Deepening Re-perf.	Conv. to El	NHR 🗌 Conv. to SWD	Drilling Fluid Management Plan				
Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from the Reserve Pit)				
Commingled	Permit #·		Chloride content: ppm Fluid volume: bbls				
Dual Completion			Dewatering method used:				
			Location of fluid disposal if hauled offsite:				
GSW			Operator Name:				
			Lease Name: License #:				
Spud Date or Date Rea	ched TD	Completion Date or	QuarterSecTwpS. 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 Iwo	1182017
Operator Name:	Lease Name:	Well #:
Sec TwpS. R □ East □ West	County:	
INCTRUCTIONS. Show important tang of formations panatrated	Dotail all cores Report all	final conject of drill stoms tasts giving interval tasted, time tool

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 She	ets)	Yes No		Log	Formatio	n (Top), Depth an		Sample
Samples Sent to Geolog	ical Survey	Yes No		Name			Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
			NG RECORD	New	Used			
		Report all strings s	set-conductor, sur	face, interme	ediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weigh Lbs. / I		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIO	NAL CEMENTIN	G / SQUEE	ZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks I	Used		Type and P	ercent Additives	
Protect Casing Plug Back TD								

D	id you perform a hydraulic fracturing treatment on this well?	Yes	No	(If No, skip questions 2 and 3)
D	oes the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes	No	(If No, skip question 3)
V	/as the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes	No	(If No, fill out Page Three of the ACO-1)

Plug Off Zone

Shots Per Foot		PERFORATION Specify For	I RECOF	RD - Bridge Plu Each Interval P	ugs Set/Typ erforated)e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	e:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	Producti	on, SWD or ENHF	? .	Producing Me	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
				-					1	
DISPOSITIC	ON OF G	AS:			METHOD	OF COMPLE	TION:		PRODUCTION IN	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit A	Comp. A <i>CO-5)</i>	Commingled (Submit ACO-4)		
(If vented, Sub	omit ACO	-18.)		Other (Specify)						

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	Phyllis Krehbiel 1
Doc ID	1182017

Tops

Name	Тор	Datum
Lansing	3681	-2223
Stark Shale	4061	-2603
B/KC	4150	-2692
Mississippi	4248	-2790
Kinderhook	4418	-2960
Viola	4536	-3078
Simpson	4609	-3151
Simpson Sand	4621	-3163

							FIE	LD SERVIC	ETIC	CKET	
		Lib	0 S. Cour beral, Kan one 620-6	isas 6790	tes Rd. 5		17	17 04	85	1 A	
PRES	SSURE PUMPI	NG & WIRELINE					DATE	TICKET NO			
DATE OF 1-28	-14 0				NEW K		PROD □INJ	🗌 WDW		JSTOMER RDER NO.:	-
CUSTOMER	rifers	Manasi	ma	t	LEASE P	Inul	lis K	applied	#1	WELL NO.	
ADDRESS	1011-01	1			COUNTY	R	las	STATE	15		
CITY		STATE	-		SERVICE C	REW E	Mond	070 F.	An	pran	i i
AUTHORIZED BY	JI	Seminott =	TRB		JOB TYPE:	242	2 85%	- Sin	fac	20	
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALL	ED 1-75	PAVE		ME
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THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO.

l Surce

SERVICE REPRESENTATIVE

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

1

		SERVICES I, Kansas	A	Lodeo Ne		Date	Cement Report
	ácitte	en N	anagene	Well #		560° - 60	1-28-14
ease	selli	s ho	ensel			Service Rece	04851
Casing 80	78 74	genth L	100	County	Burber	State KS	
lob Type Z	42. 8	\$/84 .	Surrace		Legal Des	$\frac{1}{3}$	2-12
-	10	Pipe D			Perfor	ating Data	Cement Data
Casing size	85/5"	34 H	Tubing Size			ots/Ft	Lead
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/olume	Diso	24 661	Volume		From	То	
Aax Press	1000	#	Max Press		From	То	Tail in 300 \$
Vell Conneg		1001	Annulus Vol.		From	То	Premiur PL
Plug Depth	1201		Packer Depth		From	То	
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Customer Representative

Station Manager

Cementer Cementer

Taylor Printing, Inc.

			Pra	D. Box 861. att, Kansas one 620-67	67124		DATE	18 09				
	-04-	14 DI	ISTRICT PRAH	KC	NEW X					JSTOMER RDER NO.:		
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TREATMENT REPORT

Lease DI	4111C	REABIC	Somet	Well #				02-04-14			
ield Order	# Station	1 1			Casing	1/2 Dept	1	County .	104 -	14	State
7/77		1	TKS			Formation	20	County	Legal Des	cription	State
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10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

	1					
	County: Barber	Barber	1+			
	Operator Name:	Operator Name: Griffin Management	-			
Well Na	Well Name and Number: Phyllis Krehbiel #1	Phyllis Krehbiel #1				
Total Base Flu	Total Base Fluid Volume (gal)*:	368000				
Hydraulic Fracturing Fluid Composition:	Fluid Compositio	'n				
				Chemical	Maximum	Maximum
				Abstract	Ingredient	Ingredient
Trade Name	Supplier	Purpose	Ingredients	Service	Concentration	Concentration
				Number	in Additive	in HF Fluid
				(CAS#)	(% by mass)**	(% by mass)**
Plexslick 921E	Chemplex	Friction Reducer	Petroleum Hydrotreated Light Distillate	64/42-47-8	30%	0.0210326%
Plexsurf 580 MF	Chemplex	Product Stabalizer	Vietnyi Alconol	67-20-T 111-26-3	50%	0.0025000%
Claymax	Chemplex	Clay Stabalizer	No hazardous ingredient	N/A	0%	0.000000%
AMA-398	Chemplex	Biocide	Dazomet	533-74-4	%86	0.0005868%
Plexgel Breaker XPA	Chemplex	Breaker/Slickwater	Hydrogen Peroxide	7722-84-1	7%	0.0014157%
Plexset 730	Chemplex	Activator	Methanol	67-56-1	50%	0.5000000%
Plexset 730	Chemplex	Activator	Alcohol Ethoxylates	Mixture	60.00%	0.6000000%
Frac Sand	Uniman	Propant	Crystalline Silica in the form of Quartz	14808-60-7	100.00%	19.3%

HYDRAULIC FRACTURING FLUID PRODUCT COMPONENT INFORMATION DISCLOSURE



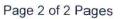
DIAMOND TESTING, LLC P.O. Box 157 HOISINGTON, KANSAS 67544 (620) 653-7550 • (800) 542-7313

Page 1 of 2 Pages

phylliskdst1

Company Charles N. Griffin	Lease & Well No. Phyllis Krehb	viel No. 1
Elevation 1458 KB Formation Simpson Sand	Effective Pay	1/000
Date <u>2-2-14</u> Sec. <u>13</u> Twp. <u>32S</u> Range	12W County Barber	State Kansas
Test Approved ByBruce A. ReedC	Diamond Representative	Jason McLemore
Formation Test No1 Interval Tested from	4,604 ft. to 4,630 ft.	Total Depth4,630 ft
Packer Depth4,599 ft. Size6 3/4 in.	Packer Depth	ft. Sizein.
Packer Depth4,604 ft. Size6 3/4 in.	Packer Depth	ft. Sizein.
Depth of Selective Zone Setft.		
Top Recorder Depth (Inside) 4,585 ft.	Recorder Number	5513 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 4,586 ft.	Recorder Number	5588 Cap. 6,000 psi.
Below Straddle Recorder Depthft.	Recorder Number	
Drilling Contractor Maverick Drilling, LLC - Rig 106	Drill Collar Length	ft I.Din
Mud Type Chemical Viscosity 57	Weight Pipe Length	ft I.Din.
Weight 9.2 Water Loss 8.0 cc.		4,571 _{ft} I.D3 1/2 _{in.}
Chlorides5,400 P.P.M.	Test Tool Length	33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 6		26 ft. Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No	Surface Choke Size <u>1</u> in.	Bottom Choke Size 5/8 in.
	Main Hole Size 7 7/8 in.	Tool Joint Size 4 1/2-XH in.
Blow: 1st Open: Good blow increasing. Off bottom of bucket in 4 mins. No b	low back during shut-in.	Jane State
2nd Open: Good blow increasing. Off bottom of bucket in 14 mins. No	blow back during shut-in.	
Recovered ¹⁸⁰ ft. of ^{gas in pipe}		
Recovered 90 ft. of $12000000000000000000000000000000000000$	3%-oil; 15%-water; 82%-mud)	
Recovered 240 ft. of ^{muddy} water = 3.415200 bbls. (Grind out: 90%-	-water; 10%-mud) Chlorides: 74,000 Ppn	n PH: 7.0
Recovered 330 ft. of TOTAL FLUID = 4.695900 bbls.		
Recovered ft. of		
Recovered ft. of		
Remarks_Tool Sample Grind Out: Salt water		

Time Set Packer(s) 7:07 P.M.	Time Starte	ed off Bottom_	10:07 P.M.	Maximum Temperature	e126°
Initial Hydrostatic Pressure		(A)	2313 P.S.I.		
Initial Flow PeriodMinute	es30	(B)	⁴¹ P.S.I.	to (C)	⁸⁸ P.S.I.
Initial Closed In PeriodMinute	es45	(D)	1668 P.S.I.		
Final Flow PeriodMinute	es45	(E)	98 P.S.I	to (F)	175 P.S.I.
Final Closed In PeriodMinute	es60	(G)	1661 P.S.I.		
Final Hydrostatic Pressure		(H)	2294 P.S.I.		





JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name	Charles N. Griffin		
Contact	Charles N. Griffin	Job Number	K086
Well Name	Phyllis Krehbiel #1	Representative	Jason McLemore
Unique Well ID	DST #1 Simpson Sand 4604-4630	Well Operator	Charles N. Griffin
Surface Location	13-32s-12w-Barber	Prepared By	Jason McLemore
Field		Qualified By	Bruce Reed
Well Type	Vertical	Test Unit	#6
Test Information			
		Representative	Jason McLemore
Test Type	Drill Stem Test	Well Operator	Charles N. Griffin
Formation	Simpson Sand	Report Date	2014/02/03
Well Fluid Type	01 Oil	Prepared By	Jason McLemore
Test Purpose (AE	UB) Initial Test		
Start Test Date	2014/02/02	Start Test Time	16:29:00
Final Test Date	2014/02/03	Final Test Time	01:08:00

Test Results

RECO	VERED:
90	OCWM, 3% Oil, 15% Water, 82% Mud
240	Muddy Water, 90% Water, 10% Mud
330	Total Fluid

180' Gas In Pipe

CHLORIDES: 74000 PH: 7

Tool Sample: Salt Water

