Confidentiality Requested: Yes No

SWD

ENHR

GSW

Recompletion Date

Spud Date or

Dual Completion

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1210018

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 # Name:	GPS Location: Lat:, Long:, (e.gxxx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	Lease Name:
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from: feet depth to: w/sx cmt.
Original Comp. Date: Original Total Depth: Deepening Re-perf. Original Total Depth: Conv. to SWD Plug Back Conv. to GSW Commingled Permit #:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Chloride content: ppm Fluid volume: bbls

Dewatering method used:

Operator Name: _____

Lease Name: ____

County:

Location of fluid disposal if hauled offsite:

AFFIDAVIT

Permit #: ____

Date Reached TD

Permit #: _____

Permit #: _____

Completion Date or

Recompletion Date

Permit #: _____

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:						

License #:____

Quarter _____ Sec. _____ Twp.____S. R. ____ East West

_____ Permit #:_____

	Page Iwo	1210018		
Operator Name:	Lease Name:	Well #:		
Sec TwpS. R East West	County:			
INCTRUCTIONS. Chain important tang of formations panetrated De	toil all aaroa Danart all final	appiag of drill stamp tasts giving interval tastad, time task		

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	eets)	Yes No		-	on (Top), Depth ar		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-o	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	Trace of Ocean ant	III On also I land		Turne and D		

Purpose: Perforate	Depth 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

No	(If No, skip questions 2 and 3)
No	(If No, skip question 3)

No

(If No, fill out Page Three of the ACO-1)

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated				A		ement Squeeze Record d of Material Used)	Depth		
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner Rı	un:	No	
Date of First, Resumed I	Date of First, Resumed Production, SWD or ENHR.				lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bbl	S.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS:				METHOD OF COMPLETION:		PRODUCTION INT	FERVAL:			
Vented Sold Used on Lease				Open Hole	Open Hole Perf. Dually (Submit)					
(If vented, Sub	mit ACO	-18.)		Other (Specify)			,	(<i>Subinii</i> ACO-4)		

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

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	SHAFFER B-4 ATU-283
Doc ID	1210018

Tops

Name	Тор	Datum
KRIDER	2435	КВ
WINFIELD	2472	КВ
TOWANDA	2534	КВ
FT_RILEY	2593	КВ
FUNSTON	2723	КВ
CROUSE	2775	КВ
MORRILL	2844	КВ
GRENOLA	2896	КВ

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	SHAFFER B-4 ATU-283
Doc ID	1210018

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
SURFACE	12.25	8.625	24	726	Premium Class C	455	
PRODUC TION	7.875	5.50	15.50	3104	O-Tex LowDense	435	

						PROJECT NON	GER .	TICKET DATE	-	
COUNTY										
Kearney		COMPANY								
LEASÉ NAME	W.	INC. LICE TYPE	HY			Weldon	Higgins			
Shaffer	B4 ATU 2	83 Productio	n			BRIONL	Inckott		- 63 - S.	
EMP NAME					S-02	TO YOU P	INCREIL			
Bryon Hackett				TT						
Steve Crocker										
Santlago Calixto				╞╌╌╂╼						
			Coduction Bryon Hackett Bryon Hackett Bryon Hackett Date Caled Out On Location Job Started Job Completed Date 03/28/14 03/28/14 03/28/14 03/28/14 03/28/14 Time 2115 300 858 1036 Velid Date Velid 03/28/14 03/28/14 03/28/14 Casing NewUsed Velid State 03/28/14 03/28/14 R Casing NewUsed Velid State 03/28/14 R Casing NewUsed Velid State 2500 R Date Hours State 2500 2500 R Defind Proc Shols/FL Shols/FL 900 900 R Perforations Description of Job Production 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 </td							
Form Name	• T	vpe:								
				Calle	d Out	10n Locati				
Packer Type		et At	Date	0.000	03/28/14	03/29	1/34	03/20/14	Job C	
Boltom Hole Temp		ressure						VV/20/14	· · · ·	03/25/14
Retainer Depth	T	otal Depth	Time		2115			858		1035
Type and St	Tools and Acces					Well (Data	2		1030
Auto Fill Tube	ze Oty 1					Weight		de From	To	Max Allow
Insert Float Valve	- 1				New	15.5	5.5	KB		
Centralizers	26									1
Top Plug	1									
HEAD					+					
Limit clamp						L				
Weld-A	2									Shots/Ft.
Guide Shoe	1	IR						+		
Cement Basket	0		Perforat	ions				╂━───╂		+
Mud Type	Materials		Hours C	n Loc	ation	Operating I	fours	Descrip	lion of lab	
	0 Densit H20 Densit	Line cru	Date	_	Hours	Date	Hours			
Spacer type iodSi		20	03/29/1	4	8.0	03/29/14	1.5	Product	ION	
Spacer type	BBL		1							
Acid Type	Gal	%	1					Cement	to surface	e: 43 bbls
Acid Type	Gal	96			[3			or 108 s	<u>(5</u>	
Surfactant	Gal	in						Topolo	amont @ /	<u>.</u>
Fluid Loss	Gal	in							ennerit fer t	
Gelling Agent	Gal/Lb Gal/Lb	in						1000		
Fric. Red	Gal/Lb	in		_						
MISC.	Gal/Lb	in								
			TUIdi	_	0.0	i otal	1.5		1000	
Perfpac Balls	Qty					0m				
Other	- 23 S. 139		MAX		1050					
								M		
Other			MAX	_	3.5	AVG	3	1		
Other						Cement	Left in Pipe	2		
			Feet 4	4		Reason		Shoe T	rack	
Stage Sacks	Cement		Cen	nent D	lata				- 5.00	
1 435 0	Tex LowDense	2% Gyp. 2% Calchern /	AUDIDVES	AN C -	5 D 4N 4 140					Lbs/Gal
2 0	0	0		4% C-1	3, 0.4% C-41P, 0.2	% C-51, 0.25 #s	k Celoflake			11.5
3								0	0	0
4										
									┿╼┥	
			Summ	arv					<u> </u>	
Preflush	Түр				llush: I	RRI 🗖	20.00	Turner	Caster	-41100
Breakdown	MA)			Loa	d & Bkdn: G	Sal - BBI	20.00			CUH20
	Lost	Returns-N	0	_ Exci	ess /Return t					
Verage		Gradient		_Calc	TOC:		0	Actual Dis	sp a	73.00
sie5 Min			Aun		aunent: G	ial - 1681 📁	474 8	Disp Bbl		
						1.11	201.00			
			0 11							
CUSTOMER RI	EPRESENTA	TIVE <u>Ulle</u>	La H.	4 -						
			- pue	<u>'</u>		GNATURE				
				SIGNATURE						
	Thank You For Using									
				O - TEX Pumping						
				-				_		

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JOB SUMMARY						TN # 6		TICKET DATE	11CKET DATE 3/27/2014			
Kearney	arney!Linn Energy							p				
EASE NAME	Welling LIGETYPE						Weldon EMPLOYEE NO	ME				
haffer							Bryon H	Bryon Hackett				
ryon Hackett		10	4.0									
teve Crocker			ody Glassgo		+						1	
liguel Garcia		\vdash										
antiago Calixto					╅╾┽							
	Council Grove	Type										
		Type			1Call	nd Old	10-1					
acker Type		Set At		Date	Can	ed Out 03/27/14	On Locatio		03/27/14	Job C	ompleted 3/27/14	
ottom Hole Temp.	tom Hole Temp. Pressure		ure			V4121114	03/27/14		U3/2/114 U3/2		13/27/14	
Retainer Depth Total Depth		Depth	Time 1115			1700		2202	2202 2307			
T00	is and Acc						Well I	Dala			507	
Type and Size uto Fill Tube		tv	Make			New/Used	Weight	Size Grad	e From	То	Max. Allo	
sert Float Valve				Casin	g	New	24	8.625 +	KB	726	1500	
entralizers			IR	Liner								
p Plug				Liner		_						
AD			IR	Tubing	1							
nit clamp	- 1			Drill Pi	pe	_ <u>L</u>	L					
eld-A	2			Open Perfor							Shots/F	
xas Pattern Guide S	hoe 1		iR	Perfor					<u>+</u>			
ment Basket	0			Perfor			········		├		<u> </u>	
of Trees	Materials			Hours	On Lo	cation	Operating	Hours	Deterin	tion of Job	L	
NG Type 0 sp. Fluid H2		sity	0 Lb/Gal	Dat 03/27	e l	Hours	Date 03/27/14	Hours				
acer type H20		10	8.33 Lb/Gal	03/27	/14	7.0	03/27/14	1.0	Surface			
acer type	BBL -	10								66 m 23 m 2		
d Type	Gal		%						Cement	to surface		
id Type	Gal		%			8						
rfactant	Gal		In I						Tonata			
Agent	_Gal _		In			[]			Top of c	ement		
id Loss	_ Gal/Lb _		In I								_	
lling Agent	Gal/Lb _		In I							-		
SC.			In			ii						
			in	Total		7.0	Total	1.0				
rfpac Balls)tv.			1011				A 102-002			
her				MAX		800	AVG	SSUIRS				
ner						000	Average F	ates in BP	M			
ner				MAX		3.5	AVG		141			
ier							Cement	Left in Pipe				
				Feet	44		Reason		Shoe T	rack		
ge Sacks	Cement			Additive	ment	Data						
455 Pren	nium Class	c i	% Calcium Chloride and						W/Rg. 6.34		Lbs/Gal	
									0.34	1.35	14.8	
										╉╾╼╉		
kunk	1	2.5%		Sum	mary							
flush		VDe:			Pn		BBI	10.00	Type:	H2	20	
		AXIMU ost Ret		0		ad & Bikdn. (Pad Bb -	Gal		
		clual T				cess /Return Ic TOC	881	380	Calc Dist		1 a lar	
rage	Fr	ac. Gr	adient				Gal - BBI		Actual Di Disp Bbl	50	43.00	
5 Min	10	Man_	15 Mm		Ce	ment Slurry:	BBI C	109.0			-	
		-			To	tal Volume	BBI	162.00		-	-	
			100	11								
CUSTOMER REP	RESENT		E Will	-He	10							
10 11V					15		GNATURE					
							Tha	nk You	For Usin	α		
						O - TEX Pumping						
							0	- IEA I	rumping			

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