Сс	onfiden	tialit	y Requested:
	Yes		No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1240220

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.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD ☐ SIOW □ Gas □ D&A □ ENHR □ SIGW	Elevation: Ground: Kelly Bushing:
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
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 #: Dual Completion Permit #:	Dewatering method used:
Dual Completion Permit #: SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Location of huid disposa in natied offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached 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	1240220
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East West	County:	
INCTOLICTIONS. Chow important tang of formations ponstrated	Dotail all coros Poport all final	popios 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	eets)	Yes No		🗌 Lo	g Formatio	on (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				
		Report all strings s	set-conductor, su	rface, interr	mediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weig Lbs. /		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIO	NAL CEMENTIN	IG / SQUE	EZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks	Used		Type and Pe	ercent Additives	
Protect Casing Plug Back TD								

Plug Off Zone						
Did you perform a hydraulic	fracturing treatment of	on this well?		Yes	No	(If No, skip questions 2 and 3)
Does the volume of the total	base fluid of the hyd	raulic fracturing treatment ex	ceed 350,000 gallons?	Yes	No	(If No, skip question 3)
Was the hydraulic fracturing	treatment informatio	n submitted to the chemical o	lisclosure registry?	Yes	No	(If No, fill out Page Three of the

Shots Per Foot		PERFORATION Specify For		RD - Bridge P Each Interval I)e			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner R	lun:	No	
Date of First, Resumed	l Product	tion, SWD or ENHF	٦.	Producing M	/lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
		·								
DISPOSIT	ION OF	GAS:			_			_	PRODUCTION INTE	RVAL:
Vented Sol		Used on Lease		Open Hole	Perf.	Uually (Submit)		Commingled (Submit ACO-4)		
(If vented, Su	ıbmit ACC	D-18.)		Other (Specify)						

Three of the ACO-1)

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	MAUD COLLINGWOOD 4 ATU-359
Doc ID	1240220

Tops

Name	Тор	Datum
KRIDER	2395	КВ
WINFIELD	2445	КВ
TOWANDA	2498	КВ
FT-RILEY	2549	КВ
FUNSTON	2681	КВ
CROUSE	2739	КВ
MORRILL	2821	КВ
GRENOLA	2859	КВ

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	MAUD COLLINGWOOD 4 ATU-359
Doc ID	1240220

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	24	726	Premium Plus Class C	480	
PRODUC TION	7.875	5.50	15.50	6067	O- TexLowDe nse	425	

JOB SUN COMPANY Linn Energy Well No. 235 Iffe 59 Surface Set At Pressure Type: Set At Pressure Total Depth essories ty Make 0 R 0	Date Time Liner Liner Liner Tubing Drill Pis Open or Perfors Hours all Deter	Called Called tole tions tions	Out New/Used New	24	cker	Started 10/05/14 2235 From e Description Surface Pump leas 113bble Displace (23 To 767 767 20 20 20 20 20 20 20 20 20 20 20 20 20	ts 14.8ppg
Weil No. 28 TWS 59 Surface 59 Surface Starface Surface Type:	Date Time Casing Uner Uner Uner Tubing Drill Pic Open 1 Perfore Perfore Hours	Called Called bons tions	Out New/Used New	On Locatio 10/05 1900 Weight 24	Cker	2235 From 0 Description Surface Pump leas 113bila	23 To 767 767 20 20 20 20 20 20 20 20 20 20 20 20 20	Max. Allc 1500 Shois/ Shois/ 4.8ppg
Surface Type: Type: Set At Pressure Total Depth ressories thy Make 0 IR 0 IN IN	Date Time Casing Uner Liner Tubing Drill Pic Open I Perfore Perfore Hours	Called Called bons tions	Out New/Used New	On Locatio 10/05 1900 Weight 24	All Job Ala Stas Grade 8.825 +44	2235 From 0 Description Surface Pump leas 113bila	23 To 767 767 20 20 20 20 20 20 20 20 20 20 20 20 20	Max. Allc 1500 Shois/ Shois/ 4.8ppg
Type:	Date Time Casing Uner Uner Tubing Drill Pic Open I Perfore Perfore Hours	tions tions tions	New/Used New	1900 Well (Welght 24	Data Sup Grade	2235 From 0 Description Surface Pump leas 113bila	23 To 767 767 20 20 20 20 20 20 20 20 20 20 20 20 20	140 1500 Shois/ Iss Iss
Set At	Date Time Casing Uner Uner Tubing Drill Pic Open I Perfore Perfore Hours	tions tions tions	New/Used New	1900 Well (Welght 24	Data Sup Grade	2235 From 0 Description Surface Pump leas 113bila	23 To 767 767 20 20 20 20 20 20 20 20 20 20 20 20 20	140 1500 Shois/
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Set At	Date Time Casing Uner Uner Tubing Drill Pic Open I Perfore Perfore Hours	tions tions tions	New/Used New	1900 Well (Welght 24	Data Sup Grade	2235 From 0 Description Surface Pump leas 113bila	23 To 767 767 20 20 20 20 20 20 20 20 20 20 20 20 20	IMax. All 1500 Shoise Shoise I I I I I I I I I I I I I I I I I I I
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0 IR 0 R 0 R 0 IR 0	Uner Uner Tubing Drill Pig Open I Perforz Perforz Hours	pe tole tions tions	ation			Descriptic Surface Pump leas 113bla	on of Job cer 10bb	Shots
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b R 0 IR 10	Tubing Drill Pic Open I Perfora Perfora Hours	pe tole ations ations ations on Loc	ation Hours 4.5	Operating Date 10/05/14	Hours Hours 1.0	Surface Pump spe Pump lease	cer 10bb f cmt at 1	ts 14.8ppg
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nsity 0 Lb/Ga nsity 8.33 Lb/Ga 10 % %%	Hours	On Loc	ation Hours 4.5	Doerating Date 10/05/14	Hours Hours 1.0	Surface Pump spe Pump lease	cer 10bb f cmt at 1	is 14.8ppg
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nsky 8.33 Lb/G 10 % % 10 % 10 % 10 % 10 % 10 % 10 % % 10 % % % % % % % % % % % % % % % % % % %	a 10705	14	4.3	10/05/14	1.0	Pump spa Pump lease	f emt at 1	4.8ppg
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		-					1000	
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			Data					V20_3
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Class C 25 Calcium Chim	ride, 0.25 Ibiak Ca					6.34	1.32	
Diese C LA Concern Chap			14 million (1997)	-		0		0
0						0	0	
		100					_	+
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Туре:		P	reflush:	BBI				129
		<u>ل</u> ا	oad & Bkdn	681 - 651 6 8 9				
					0	Actual D	iso 🗖	46.0
_ACLUBI TOU		T	reatment	Gal - BBI		Disp 8bl		- 30 B
	15 Min	Ċ	ement Slum	y BBI	113.0			
		T	otal Volume	BBI	169.00			
						L		
	00 1/							
NITATIVE /1 0	VV. H	-						
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	Class C 2% Calcium Chi Qty. Class C 2% Calcium Chi 0 0 1 Type: MAXIMUM Lost Returns-F Actual TOC Frac, Gradient 10 Mm	In In Total Qty. In In Total Qty. In I	In In In Total Qty. MAX MAX MAX	In In In Total Qiy. MAX MAX 3.5 Foet 44 Cement Data Additives Class C 2% Calctum Chleride, 0.25 talsk Collottake 0 0 0 0 Vype: Preflush: Excess /Returns-F MAXIMUM Load & Biddin Load & Diddin Treatment: Calc. TOC Fractual TOC Calc. TOC Fractual TOC Cement Sturr Fractual Total Volume 15 Min Common 15 Min Content Sturr 10 Min 1/ /	In In Total 4.5 Total Qiy. P MAX Average MAX 3.5 Average Cement Data Additives Cement Data Additives Data Bell Class C 2% Calchem Chloride, 0.29 bitle Celloftake BBI Load Returns-r D Excess Return BBI Load B Bkdn: Gai - BBI Calc. TOC Fractual TOC Fractual TOC Treatment: Gai - BBI Cement Sturry BBI Total Volume BBI Total Volume BBI In Man Total Volume BBI Total Volume BBI	In In Total 4.5 Total 1.0 Qiy. Pressures AVG. MAX AVG. Average Rates in BF MAX 3.5 AVG 3 MAX 3.5 AVG 3 Feet 44 Reason 3 Cement Data Additives Cement Left in Pip Class C 2% Calchem Chloride, 0.28 bitle Cettoriste 0 0 O O 0 Vige: Preflush: BBI 10.00 MAXIMUM Load & Bkdn: Gal - BBI 50 Lost Returns-f 0 Calc. TOC 0 Frac. Gradient 15 Min Cement Sturry BBI 10.00 IO Min 15 Min Cement Sturry BBI 199.00 INTATIVE Weight Human Stonarure 169.00	In Total 4.5 Total 1.0 Qty. Pressures AVG. AVG. MAX AVG. AVG. 3 MAX 3.5 AVG. 3 Fpet 44 Reason Shoe J Cement Data 0 0 0 Calcost Collection Chloride. 6.28 bitle Collection Chloride. 6.34 0 0 0 0 0 NAXIMUM Load & Bkdn: Gal - BBI 10.00 Type: MAXIMUM Excess (Return BBI 50 Calc Dis Lost Returns-t 0 Calc. TOC 0 Actual D Fract. Gradient 15 Min Cement Sturry BBI 113.0 0 iso Bbi	In Total 4.5 Total 1.0 In Total 4.5 Total 1.0 In In Total 4.5 Total 1.0 In In In In In In In In In In In In In In In In In In In In In In In In In

JOB SUMMARY				TN # 12	25	10/7/2014		
Stanton Linn Energy				CUETOWER REP				
LEASE NAME Woll P			Chide Lewis				1000	
Maud Collingwood 4 ATU 359			Chris Lewis					
Chris Lewis			-		11			T
Tony Lewis								
Joe Arellano								
Form. Name Type			Out	IOn Locally	I loh 3	Started	Linh C	ompleted
Packer Type Set	At	Date	001	On Localic 10/07	A4 1000	10/07/14	1	0/07/14
	sure	-						
Retainer Depth Tota Tools and Accesso	Depth	Time		008 Well (lata			
Type and Size Qty	Mako		New/Used			From	To	Max. Allow
Auto Fill Tube 0	IR	Casing	New	15.5	5.5 24	КВ	6057	2500
Insert Float Valve 0 Centralizers 0	IR	Liner					-	
Centralizers 0 Top Plug 0	IR IR	Tubing					-	
HEAD 0	IR	Drill Pipe					1997 - 1997 1997 - 1997	
Limit clamp 0	R	Open Hole						Shots/Ft.
Weld-A 0 Texas Pattern Guide Shoe 0	Perforations							
Cement Basket	R	Perforations		0.001-02				-
Materials		Hours On Loc Date	note	Operating	Hours	Descriptio	n of Job	1
Mud Type Density Disp. Fluid H20 Density	0 Lb/Gal	10/07/14	5.0	Date 10/07/14	Hours 2.0	Production	n	
Spacer type Jium Sylic BBL 20	CUrOdr	10001111		10/01/14				
Specer type BBL								
Acid Type Gal Acid Type Gal	-%							
Surfactant Gal							-	
NE Agent Gal,						-		
Fluid Loss Gal/Lb Gelling Agent Gal/Lb			_		<u> </u>		_	
Fric. Red. Gal/Lb	in in its in the second							
MISCGal/Lb		Total	5.0	Total	2.0		<u> </u>	
Peripac Balls Qly,				Pre	essures			
Other		MAX	2500	AVG.	100		3-3-	
Other			3		Rates in BPN			
Other		MAX	\$	AVG Cemen	Left in Pipe			
Other		Feet 44		Reason		Shoe Jo	oint	
		a second and a second as		Cross-sectors				
Read Readed Company	1	Coment Additives	Data			W/Rg.	Yield	Lbs/Gal
Stage Sacks Cement 1 425 O-Tex LowDense Ceme	ent 2% Oyp, 2% Calcium C	ADDITVES	C-15, 0.4% C-41	P. 8.2% C-61. 8.	25 Iblak Collefiake	13.29	2.25	11.5
2 0 0	0					0	0	0
3 0 0	0					0	0	0
4						2	+	┣━━━━━
		Summary				1	-	-
Preflush Type		Pr	eflush:	881	20.00	Type:		Sylicate
Breakdown MAX	Load & Bkdn: Gal - BBI 70			Calc Disp Bbl				
Aclu	Returns 1	Ča	IC TOC		0	Actual Dis	50	72.00
Average Frac	Gradient	Tr	eatment:	Gal - BBI	170.0	Disp Bbl	_	
10 N	in15 Mi		ment Slurry		262.00			
	The second s							
	1 2 51	1 1/						
CUSTOMER REPRESENTAT	IVE / Liele	Hugan						
		01	1	SIGNATURE				
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				C	- TEX P	umping		