Confidentiality Requested: Yes No

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

1220467

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.xxxxx) (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:
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 #:	Leastion of fluid dispaced if hould offsite
ENHR Permit #:	Location of fluid disposal if hauled 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	1220467
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INCTRUCTIONS. Chow important tang of formations populated	Dotail all coros Boport all	final copies of drill stome tests giving interval tested, time teal

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		0	on (Top), Depth a		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-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 / SQL	IEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used		Type and I	Percent Additives	

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

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

No

No

No

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

Shots Per Foot		PERFORATION Specify For	RD - Bridge P Each Interval	Plugs Set/Typ Perforated	e		Acid, Fracture, Shot, Ce (Amount and Kind	ement Squeeze Record I of Material Used)	Depth	
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	lun:	No	
Date of First, Resumed	Producti	ion, SWD or ENHF	? .	Producing N	/lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITIC	ON OF G	BAS:						_	PRODUCTION IN	FERVAL:
Vented Sold	🗌 l	Jsed on Lease		Open Hole	Perf.	Uually (Submit)	Comp.	Commingled (Submit ACO-4)		
(If vented, Sub	omit ACO	D-18.)		Other (Specify)		(Cubinit)	,			

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	MILBURN B-4 ATU-203
Doc ID	1220467

Tops

Name	Тор	Datum
KRIDER	2382	КВ
WINFIELD	2427	КВ
TOWANDA	2503	КВ
FT_RILEY	2552	КВ
FUNSTON	2671	КВ
CROUSE	2730	КВ
MORRILL	2810	КВ
GRENOLA	2863	КВ

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	MILBURN B-4 ATU-203
Doc ID	1220467

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	728	Premuim Class C	455	
PRODUC TION	7.875	5.50	15.50	3111	O-Tex LowDense	435	

					Transa and a second	E BI	TICKST DATE				
	1	OB SUM	MARV		TN# 89			/20/201	4		
DUNTY		COMBRING			CLUTCHER BET		GIEGIEG (4				
lorton		Linn Energy	Linn Energy Weldon Higg								
ASTMAL	Well No	JOB TYPE			EMPLOYEE MAN	2					
and the second se	ATU 203	Production			Steve Cr	ocker					
er julike	1000 C 200							1.000			
teve Crocker											
liguel Murgado					Same S						
yler Lee			122 C 1	1							
orm. Name •	Turne	6 <u> </u>									
	I WHE			afled Out	IOn Locatio		Started	Tiph Cr	mpleted		
acker Type	Set A		Date	6-19-14	05/20	14	06/20/14	0000	1/20/14		
ottom Hole Temp.	Press								1.77		
etainer Deoth		Deoth	Time	2300	720		950	1 14	131		
	Accessori		LINNE		Well C	ata		-			
Type and Size	Qty	Make		New/Used		See Grade	From	To	Max. Allo		
uto Fill Tube	0	IR	Casing	New	15.6	5.5 .**	0	3111	2500		
sert Float Valve	ō	IR	Liner				-				
entralizers		R	Liner		1						
op Plug	0	IR	Tubing	1.00	1				<u> </u>		
EAD		IR	Drill Pipe								
mit clamp	1	IR I	Open Hol						Shots/F		
eld-A		IR III	Perforatio						price/f		
was Pattern Guide Shoe	0		Perforatio								
ement Basket	1 ŏ 1		Perforatio								
Mater			Hours On		Operating	forme	Description	an of tob			
ud Type 0	Density	0 Lb/Gal	Date	Hours	Date	Hours					
so Fluid H29	Density	8.33 Lb/Gal	Date 06/20/14	4.0	Date 06/20/14	1.5	Productio	Я			
acer type dium Silic BB	<u>il 30</u>						Pump Sp.	acer 30t	bls		
bacer type88							Pump Lea	at 11.5	bog		
d Type Ga		96					174bbls				
cid Type Gai	d.	%					Pump Dis	placemer	t 73bbis		
urfactant Gal	di ib	In						1			
E Agent Gal		ln					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		1.011.011		
uid Loss Ga	il/Lb	in					Cement to	Pit : 5	Obbis / 12		
	WLb	in									
	I/Lb	_in									
ISC. Gal	Мь	_in	Total	4.0	Total	1.5	_		_		
					20						
erfpac Balls	Qty.		1.1.1.1			ssures					
ther			MAX		AVG						
						Rates in BPI	M				
her			MAX	3.5	AVG						
iher					Cement	Left in Pipe					
her					Descar		Chas I.				
her			Feet 44		Reason		Shoe Jo	2488			
her			Feet 44		Reason		5006 J	2401			
her			2002.00		Reason		5008.34	2401			
her her her	ent		2002.00	ent Data	Reason		W/Rg.	Yield	Lbs/Ga		
her her age Sacks Cem 1 435 O-Tex Lo		2% Oga, 2% Calcium Ch	Cem Additives	ent Data					Lbs/Ga		
her her age Sacks Cem 1 435 O-Tex Lo	wDense	7% Oyg, 7% Calcium Ch	Cem Additives	ent Data			W/Rq.	Yield			
her her age Sacks Cem 1 435 O-Tex Loo 2 0 0	wDense	2% 039, % Calcium Ch	Cem Additives	ent Data			W/Rg. 13.29	Yield	11,5		
her	wDense	7% Ogg, 7% Calcium Ch	Cem Additives	ent Data			W/Rg. 13.29	Yield	11,5		
her	wDense	7% Ogg, 7% Calcium Ch	Cem Additives	ent Data			W/Rg. 13.29	Yield	11,5		
her	wDense	276 Ogg, 7% Catchura Ch 0	Cerm Additives Into, 2% C-45, 0	ent Data 43 C-13, 0.43 C-11P, 0			W/Rg. 13.29	Yield	11,5		
her	wDense	2% 0yp, 7% Calchum Ch	Cem Additives	ent Data 4% C-15, 0.4% C-41P, 0 Mary	17% 6.54, 0.75 0	sk Calistate	W/Rg. 13.29 0	Vield 225 0	11,5		
her	Type.		Cerm Additives Into, 2% C-45, 0	ent Data 43 C-15, 043 C-41P, 0 43 C-15, 043 C-41P, 0 43 C-15, 043 C-41P, 0	17% C-51, 875 8		W/Rg. 13.29	Vield 225 0 Sodium	11,5		
her	Type.	0	Cerm Additives Into, 2% C-45, 0	ent Data 4% C-15, 0.4% C-41P, 0 4% C-15, 0 4% C-15	BBI Gal - BBI	sk Calistate	W/Rg. 13.29 0 Type: Pad:Bbl -	Yield 225 0 Sodium	11,5		
her	Type. MAXII Lost R	MUM	Com Additives totos, 2% C-45, 0 Summ	ent Data 43 C-15, G4% C-41P, o A% C-15, G4% C-41P, o A% C-41P, C-41P, o Preflush: Load & Bikdn, Excess (Return Catc TOC:	BBI Gal - BBI	sk Calastate 30.90	W/Rq. 13.29 0	Vield 2.25 0 Sodium Gal	0		
her	Type. MAXII Actual Frac. 0	MUM etums-6 Gradient	Cerra Additives Ente, 25 C43, 0 Summ	ent Data 4% C-15, 6.4% C-41P, 0 4% C-15, 6.4% C-41P, 0 4% C-15, 6.4% C-41P, 0 9 Preflush: Load & Bkdn. Excess /Return Cate TOC Treatment:	881 Gal - 881 Gal - 881	30.00 0	W/Rq. 13.29 0 Type: Pad:Bbl - Caic Disp	Vield 2.25 0 Sodium Gal	11,5 0 Silicate		
her	Type. MAXII Lost R	MUM Returns-N TOC Gradient	Cerra Additives Ente, 25 C43, 0 Summ	ent Data 43 C-15, 0.45 C-41P, 0 43 C-15, 0.45 C-41P, 0 43 C-15, 0.45 C-41P, 0 Preflush: Load & Bkdn: Load & Bkdn: Load & Bkdn: Case: Return Cate TOC: Treatment: Cement Sturry:	BBI Gal - BBI BBI Gal - BBI BBI	30.00 50 0 174.0	W/Rq. 13.29 0 Type: Pad:Bbl -1 Calc Disp Actual Dis	Vield 2.25 0 Sodium Gal	11,5 0 Silicate		
her	Type. MAXII Actual Frac. 0	MUM etums-6 Gradient	Cerra Additives Ente, 25 C43, 0 Summ	ent Data 4% C-15, 6.4% C-41P, 0 4% C-15, 6.4% C-41P, 0 4% C-15, 6.4% C-41P, 0 9 Preflush: Load & Bkdn. Excess /Return Cate TOC Treatment:	881 Gal - 881 Gal - 881	30.00 0	W/Rq. 13.29 0 Type: Pad:Bbl -1 Calc Disp Actual Dis	Vield 2.25 0 Sodium Gal	11,5 0 Silicate		
ther	Type. MAXII Actual Frac. 0	MUM etums-6 Gradient	Cerra Additives Ente, 25 C43, 0 Summ	ent Data 43 C-15, 0.45 C-41P, 0 43 C-15, 0.45 C-41P, 0 43 C-15, 0.45 C-41P, 0 Preflush: Load & Bkdn: Load & Bkdn: Load & Bkdn: Case: Return Cate TOC: Treatment: Cement Sturry:	BBI Gal - BBI BBI Gal - BBI BBI	30.00 50 0 174.0	W/Rq. 13.29 0 Type: Pad:Bbl -1 Calc Disp Actual Dis	Vield 2.25 0 Sodium Gal	11,5 0 Silicate		
her	Type. MAXII Actual Frac. 0	MUM Seturns-F TOC Gradient	Cerm Additives lentes, 2% C-45, 0 Summ 0	ent Data 43 C-15, 0.45 C-41P, 0 43 C-15, 0.45 C-41P, 0 43 C-15, 0.45 C-41P, 0 Preflush: Load & Bkdn: Load & Bkdn: Load & Bkdn: Case: Return Cate TOC: Treatment: Cement Sturry:	BBI Gal - BBI BBI Gal - BBI BBI	30.00 50 0 174.0	W/Rq. 13.29 0 Type: Pad:Bbl -1 Calc Disp Actual Dis	Vield 2.25 0 Sodium Gal	11,5 0 Silicate		
her	Type: MAXII Lost R Actual Frac. 0 10 Mir	MUM Seturns-F TOC Gradient	Cerm Additives lentes, 2% C-45, 0 Summ 0	ent Data 43 C-15, 0.45 C-41P, 0 43 C-15, 0.45 C-41P, 0 43 C-15, 0.45 C-41P, 0 Preflush: Load & Bkdn: Load & Bkdn: Load & Bkdn: Case: Return Cate TOC: Treatment: Cement Sturry:	BBI Gal - BBI BBI Gal - BBI BBI	30.00 50 0 174.0	W/Rq. 13.29 0 Type: Pad:Bbl -1 Calc Disp Actual Dis	Vield 2.25 0 Sodium Gal	11,5 0 Silicate		
her	Type: MAXII Lost R Actual Frac. 0 10 Mir	MUM Setums-b TOC Gradient 15 Mi	Cerm Additives lentes, 2% C-45, 0 Summ 0	ent Data 43 C 13, C43 C 41P, 0 Preflush: Load & Bkdn. Excess /Return Catc TOC Treatment: Cement Sturry: Total Volume	BBI Gal-BBI BBI BBI BBI BBI BBI	30.00 50 0 174.0	W/Rq. 13.29 0 Type: Pad:Bbl -1 Calc Disp Actual Dis	Vield 2.25 0 Sodium Gal	11,5 0 Silicate		
her	Type: MAXII Lost R Actual Frac. 0 10 Mir	MUM Seturns-F TOC Gradient	Cerm Additives lentes, 2% C-45, 0 Summ 0	ent Data 43 C 13, C43 C 41P, 0 Preflush: Load & Bkdn. Excess /Return Catc TOC Treatment: Cement Sturry: Total Volume	BBI Gal - BBI BBI BBI BBI BBI BBI BBI BBI BBI	30.90 50 0 174.0 277.00	W/Rq. 13.29 0 Type: Pad:Bbl - Catc Disp Actual Disp Disp Bbl	Sodium Gal	11,5 0 Silicate		
her	Type: MAXII Lost R Actual Frac. 0 10 Mir	MUM Seturns-F TOC Gradient	Cerm Additives lentes, 2% C-45, 0 Summ 0	ent Data 43 C 13, C43 C 41P, 0 Preflush: Load & Bkdn. Excess /Return Catc TOC Treatment: Cement Sturry: Total Volume	BBI Gal-BBI BBI BBI BBI BBI BBI BBI BBI BBI BBI	30.90 50 0 174.0 277.00	W/Rq. 13.29 0 Type: Pad:Bbl -1 Calc Disp Actual Dis	Sodium Gal	11,5 0 Silicate		

JOB SUMMARY						TN # 885		6/18/2014			
Morton ILinn Energy						Orlando					
LASE MANE				Orlando Electricit Main							
Milburn				JESUS JIMENEZ							
UESUS JIMENEZ			Contra sheet of			20-22		1			
BEAU CLEM											
MARIO ABREGO				\vdash							
TYLERLEE				\vdash							
	Comer Type		<u> </u>								
	1900			Calle	d Out	On Locatio	in Jo	b Started	I Job C	ompleted	
Packer Type Set At		Date Called Out 6-18-14		6-18-14	06/18/14		06/18/14 06/18/14				
Bottom Hole Temp. Pressure Retainer Depth Total Depth		Time 12:00		7:00PM		9:00PM 10:00PM					
	Is and Accessor		11004		2.00	Well C		a.uura	1 1	0.001-m	
Type and Size		Make			New/Used		Size Grade	From	То	Max, Allow	
Auto Fill Tube	0	IR	Casing		New	24	8.625		728	2000	
Insert Float Valve	0	IR	Liner							1	
Centralizers	0	IR	Liner							1	
Top Plug	0	IR	Tubing							1	
HEAD Limit clamp		IR III	Drill Pig		L	I				Chester (F)	
Limit clamp 0 IR Wold-A 0 IR			Öpen Hole Perforations					<u> </u>		Shots/Fi	
Texas Pattern Guide Shoe 0 R				Perforations							
Cement Basket	0	IR	Periora	bons			10000			<u> </u>	
	Materials	100 A 100 A	Hours C		cation	Operating	Hours	Descrip	tion of Joi)	
Mud Type6 Disp. Fluid Ha		0 Lb/Gal 8.33 Lb/Gal	Date 06/18/		Hours 3.0	Date 06/18/14	Hours	Surface	1.181.7 		
Spacer type H20	BBL10	0.33 LD/Gal	00/10/	14	3.0	06/18/14	1.0				
Spacer type	BBL										
Acid Type	Gal	_%									
Acid Type	Gal.	×									
Surfactant	Gal Gal				<u> </u>						
Fluid Loss	Gal/Lb			-+-		[
Gelling Agent	Gal/Lb					i					
Fric. Red.	Gal/Lb	In									
MISC.	Gal/Lb	n	Total		3.0	Total	1.0		1000000		
Perfpec Balls			-	107		Dem	dama una				
-enpacidalis	Q17.		MAX		950	AVG.	SSUTES 50				
Mileson						Average	Rates in BF	M			
Other			MAX		3	AVG	3				
Other		Cement Left in Pipe									
Dihor				Feel 44 Reason					Shoe Joint		
					2.000						
Stage Sacks	Cement	1	Additives		Data			W/Rg	. Yield	Lbs/Gal	
	mium Class C	2% Calcium Chioride a						6.34		14.6	
2										1.114	
3					-						
4											
		1									
Prellush	Type:		Sun	umary	eflush:		10.00	Treese		20	
Breakdown	MAXI				ellush: ad & Bkdri:	BBI Gal-BBI	10.00	Type: Pad:Bb		<u> </u>	
	Lost F	Returns-h	NO	Ex	cess /Return		40	Calc Dis	sp Bbl 🚞		
Verage	Actua	Gradient			Id. TOC:	Cái DDI ¹	SURFAC			43.00	
werage 5 Min.	10 Mir		n		eatment: ment Slurry	Gal - BBi BBi	109.0	Disp:80			
		10/10				881	162.00				
	1										
		. 1	1.	17							
CUSTOMER RE	PRESENTATI	VE Ule	10	4							
				-	11-	SKONATURE					
					1	Tha	ink You	For Usir	ng.		