Confidentiality Requested: Yes No

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

1204957

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:
	Elevation: Ground: Kelly Bushing:
Gas D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
GG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane) 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
	If Alternate II completion, cement circulated from:
Operator:	
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)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion     Permit #:	Dewatering method used:
SWD     Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	
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	1204957			
Operator Name:	Lease Name:	Well #:			
Sec TwpS. R East West	County:				
INCTRUCTIONS. Chain important tang of formations panetrated De	tail all aaraa Danart all final	conice of drill stome tests siving 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 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	Turne of Operation	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

(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 RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					e	A		ement Squeeze Record I of Material Used)	Depth
TUBING RECORD: Size: Set At:				Packer At: Liner Run:						
			Producing N		oing	Gas Lift	Other (Explain)			
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITION OF GAS:						_	PRODUCTION IN	TERVAL:		
Vented Solo	J 🗌 t	Jsed on Lease		Open Hole	Perf.	Uually (Submit)	Comp.	Commingled (Submit ACO-4)		
(If vented, Su	bmit ACO	D-18.)		Other (Specify)	)		,	(505/111 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	CONGDON A-5 ATU-178
Doc ID	1204957

Tops

Name	Тор	Datum
Krider	2319	КВ
Winfield	2361	КВ
Towanda	2423	КВ
FtRiley	2476	КВ
Funston	2596	КВ
Crouse	2647	КВ
Morrill	2746	КВ
Genola	2792	КВ

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	CONGDON A-5 ATU-178
Doc ID	1204957

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	770	Premium Plus Class C	455	
PRODUC TION	7.875	5.50	15.50	3108	O-Tex LowDense	435	

Lase and Congdon         Mark and Abult 78         Surface         LAMONT PATTERSON           Garwall Garwall         Congdon         ASALT 78         Surface         LAMONT PATTERSON           Garwall         Lase Linking Lase Linking         Linking Linking         Linking Linking         Linking         Linking           Packer Type         Set Cast Term         Set Cast Term         Linking         Linking         Official Coli         Official Coli           Packer Type         Set Cast Term         Set Cast Term         Type:         Date         Cast Coli         Official C	<u></u>				PROJECT NOME	UR	TICALITUATE			
Stanton         Linn         Energy         District           Congdon         AS Aut 17         Surface         LAMONT PATTERSON           Canada         Awate         Surface         LAMONT PATTERSON           Jensel         Jensel         Jensel         Jensel           CAMONT PATTERSON         Jensel         Jensel         Jensel           Jensel         Jensel         Jensel         Jensel           CAMONT PATTERSON         Jensel         Jensel         Jensel           Jensel         Jensel         Jensel         Job Completed           Jensel         Jensel         Jensel         Job Completed           Date         Sector Xper         Job Completed         Job Completed           Time         0         1900         Job Completed         Job Completed           Time         0         1900         Job Completed         Job Completed           United         1         IR         Construction         Job Completed           United         1         IR         Construction         Job Completed         Job Completed           Information         1         IR         Construction         Job Completed         Job Completed         Job Completed		JOB SUMMARY						1/26/2014		
Congdon         ASAu 173         [Surface         LAMONT PATTERSON           Date measures         CAMONT PATTERSON	Stanton	Linn Energy								
Base values         Jases Jonas         Jases Jonas         Jases Jonas         Jases Jonas         Jases Jonas         Jases Jonas         Christopher Leyton         Christopher Leyton         Date         Called Cold         On Location         Datom Hole Temp.         Pressure         Tools Bod Accessories         Junit Camp         Tools Bod Accessories         Junit Camp         Tool Boat	Congdon A5 Atu 178									
Jasen Jonnes								<u> </u>		
Janake Jimines       Image Jimines       Image Jimines       Image Jimines         Form. Name       Casa Status daws       Type:       Image Jimines       Image Jimines         Form. Name       Casa Status daws       Type:       Image Jimines       Image Jimines       Image Jimines         Packer Type       Sei Al       Date       0										
Christopher Layton         Image: Construct State         Type:           Form. Name         Cesistant State         Date         On Location         Job Started         Job Connelled           Bottom Hole Temp.         Pressure         Time         0         9072814         Job Connelled         0772814         077281									_	
Form. Name         Sawareweateree         Type:           Packer Type         Set Att         Date         0         01/261/4         001/261/4										
Packer Type         Set At         Date         Date         On Location         Job Started         Job Competed           Bottom Hole Temp.         Pressure         Total Depth         1900         01/25/14         Job Competed           Att Pressure         Total Depth         Verial         1900         01/25/14         Job Competed           Att Pill Tube         1018 and Accessories         601/25/14         Job Competed         Job Competed           Att Pill Tube         1018 and Accessories         601/25/14         Job Competed         Job Competed           Immed Eastern Depth         1         IR         New/Aend Weduk Bisc Grade         From To Max. Allow           Cashing Accessories         1         IR         Dop Pill         Immed Pill         Startee           Top Plug         1         IR         Perforations         Perforations         Perforations         Perforations           Cannot Bask Mole Pill         101         IR         Perforations         Perforations         Perforations         Perforations           Sobser type         BBL         96         Otice         In         Perforations         Perforations         Perforations         Job Wase Competence         Job Wase Competence         Job Wase Competence         Job Wase Competen		,		1						
Packer Type         Set At         Date         0         01/26/14         Dit26/14         Dit26/14 <thdi26 14<="" th="">         Dit26/14         Dit26/1</thdi26>				alled Out	On Locatio	Li nc	ob Started	IJob C	ompleted	
Retainer Depth         Total Depth           Tools and Accessories         Walk           Name Jack         Weight Size           Trype and Size         CiV           Mark Deil         Image Accessories           Trype and Size         CiV           Mark Deil         Image Accessories           Trade The Value         1           Top Plug         1           Terase Planm Guide Shoe         1           Tease Planm Suide Shoe         1           Top Plug         1           Tease Planm Guide Shoe         1           Tease Planm Guide Shoe         1           Tease Planm Guide Shoe         1           Mid Yoe         6al           Spacer type         BBL           Mark Top         6al           Spacer type         BBL           Mark 1000         Pressures           Other         Cive           Other         Cive           Other         Cive           Other         Cive     <			Date		01/26	114	01/26/14	0	1/26/14	
Type         Other         Weid         Delay         Type         Type         Type         Make           Auto Fill Tube         1         IR         Incer         Incer </td <td></td> <td></td> <td>Time</td> <td>0</td> <td>1000</td> <td></td> <td></td> <td></td> <td></td>			Time	0	1000					
Type and Size         Oty         Make           Insert Float Valve         1         IR           Insert Float Valve         1         IR           Cartralizars         5         IR           Contralizars         1         IR           Dink Cartin         1         IR           Open Hole         0         Independent           Open Hole         0         Independent           Open Hole         0         Description of Job           Disp. Fluid         120         BBI         10           Statisticant         Gall         10         Description of Job           Surfactant         Gall         1         Independent         Description of Job           Surfactant         Gall         in         Independent         Independent         Independent           Dither </td <td></td> <td>es</td> <td></td> <td>0</td> <td></td> <td>)ata</td> <td></td> <td></td> <td></td>		es		0		)ata				
Auto Fill Tube         1         IR           Centralizors         5         IR           Contralizors         5         IR           Top Plug         1         IR           Unner         Iner         Iner           Und Yope         Iner         Shots/PL           Perforations         Iner         Shots/PL           Perforations         Iner         Shots/PL           Perforations         Iner         Shots/PL           Perforations         Iner         Shots/PL           Spacer type         BBL         0           Spacer type         Gall         %           Call Type         Gall         %           Gall Type         Gall         %           Gall Type         Gall         %           Gall Type         Gall         %           Gall Type         Gall         %			<b></b>	New/Used			el From	To	Max. Allow	
Centralizers         S         IR           Top Plag         1         IR           Uning the properties         1         IR           Uning the properties         1         IR           Uning the properties         1         IR           Weid-A         2         IR           Process Patient Guide Shoe         1         IR           Weid-A         2         IR           Partorations         Density         0           Disp. Fluid         Itage         Density         0           Spacer type         BBL         %         0           Gail         %         0         Date         Hours           Off2EV14         Col         Surface         30 BBLS OF CMT TO SURFACE           Surfactant         Gail         %         0         Date         Hours           Off2EV14         Col         In		IR	Casing	New	24#	8 5/8"				
Top Plag         1         IR           Diff Pipe         0						L				
HEAD       I       IR       Drift Fipe       Image: Status and the status						<u> </u>		=	=	
Limit clamp         1         IR         Open Hole         Shots/FL           Cornent Basket         0         IR         Perforations         Image: Shots of the state o						<u> </u>				
Welck-A         2         IR         Performans         Other           Carnent Basket         0         IR         Performans         Density				<u> </u>					Shote/Fi	
Texas Pattern Guide Shoe         1         IR           Cernent Basket         0         IR           Cernent Basket         0         IR           Mailerials         Hours         Density         0           Disp. Fluid         Haz         Density         0         Density         0           Spacer type         BBL         10         Bask         Orazions         Density         0           Spacer type         BBL         10         Good Retruens Thru JOB         Surfaces         30 Bets Or CMT TO SURFACE           Spacer type         Gail         10         Good Retruens Thru JOB         Add Type         Good Retruens Thru JOB           Spacer type         Gail         10         Good Retruens Thru JOB         Add Type         Good Retruens Thru JOB           Spacer type         Gail         10         Good Retruens Thru JOB         Add Type         Good Retruens Thru JOB         Add Type           Spacer type         Gail         10         Total         Z.0         Add Scale Type         Add Scale Ty								·	Shois/Fi.	
Muid Type     0     Density     0     LDGail       Disp. Fluid     H20     BBL     10       Disp. Fluid     H20     BBL     10       Spacer type     BBL     10       Spacer type     BBL     10       Acid Type     Gail     %       Acid Type     Gail     in       Gelling Agent     Gail     in       Gelling Agent     Gail/Lb     in       Gelling Agent     Gail/Lb     in       MISC.     Gail/Lb     in       Other     Other       Other     Other       Other     MAX     4       Other     Cernent Data       Stage Isscks     Cernent Data       Additives     Virgl       Yree     Summary       Preflush     Gail       Type:     Summary       Preflush     Gail       1     455       Premum Phys Class C     2% Cateling ToC       Summary     Freflush:       Summary     Sumface		IR			_					
Mud Type         0         Density         0         Lb/Gal           Disp. Fluid         H20         BBL.         10         Surface         Surface           Spacer type         H20         BBL.         10         Surface         Surface         Surface           Acid Type         Gal.         %         Surface         S		IR						—	1	
Disp. Fluid         H20         Density         8.33         Lb/Gal         Of/26/14         4.0         Of/26/14         2.0         Subscr           Spacer type         BBL         10		0 b/Gall	Hours On	Location	Operating Date	Hours			2	
Space type       BBL       %         Acid Type       Gait       %         Surfactant       Gait       in         Sector Sector       GaitLb       in         NE Agent       GaitLb       in         Find, Red.       GaitLb       in         WiSC.       GaitLb       in         Other       Other       Average Rales in BPM         Other       Average Rales in BPM         MAX       1000       AVCG         Average Rales in BPM       Average Rales in BPM         MAX       4.00       Average Rales in BPM         MAX       4.00       Average Rales in BPM         MAX       4.00       Average Rales in BPM         Stage Sacks       Cement       Additives         Stage Sacks       Cement       Additives         Additives       W/Rq.       Yfeld       Lba/Gait         1       455       Preflush:       BBI       10.00       Type:         2       0       0 <t< td=""><td></td><td></td><td>01/26/14</td><td>4.0</td><td>01/26/14</td><td>2.0</td><td>Surface</td><td></td><td>1</td></t<>			01/26/14	4.0	01/26/14	2.0	Surface		1	
Acid Type       Gal.       %       APPROX 127 SACKS TO SURF.         NE Apent       Gal.       In       APPROX 127 SACKS TO SURF.         Fluid Loss       Gal/Lb       In       In       In         Fluid Loss       Gal/Lb       In       In       In         Fluid Loss       Gal/Lb       In       In       In       In         Fric. Red.       Gal/Lb       In       In       In       In         Other       Gal/Lb       In       In       In       In         Other       Gal/Lb       In       In       In       In         Other       One       AVG.       200       In       In         Other       MAX       4 AVG.       4       AVG.       4         Dither       Coment Data       AVG.       4       In       In         Other       Coment Data       Additives       W/Rq.       Yield Lbs/Gal         1       455       Premium Plus Class C       X Cation Chioride: 8.25 Ark Cationaliate       6.34       1.32       14.8         2       0       0       0       0       0       0       0       0         3       In       Summary						-	30 BBL	S OF CMT	O SURFACE	
Acid Type       Gal.       %       APPROX 127 SACKS TO SURF.         NE Apent       Gal.       In       APPROX 127 SACKS TO SURF.         Fluid Loss       Gal/Lb       In       In       In         Fluid Loss       Gal/Lb       In       In       In         Fluid Loss       Gal/Lb       In       In       In       In         Fric. Red.       Gal/Lb       In       In       In       In         Other       Gal/Lb       In       In       In       In         Other       Gal/Lb       In       In       In       In         Other       One       AVG.       200       In       In         Other       MAX       4 AVG.       4       AVG.       4         Dither       Coment Data       AVG.       4       In       In         Other       Coment Data       Additives       W/Rq.       Yield Lbs/Gal         1       455       Premium Plus Class C       X Cation Chioride: 8.25 Ark Cationaliate       6.34       1.32       14.8         2       0       0       0       0       0       0       0       0         3       In       Summary	Spacer type BBL									
Surfactant       Gal.       In         Fluid Loss       Gal/Lb       In         Fric. Red.       Gal/Lb       In         Fric. Red.       Gal/Lb       In         Fric. Red.       Gal/Lb       In         Fric. Red.       Gal/Lb       In         Perfpac Balts       Qtv.       Other         Other       MAX       4.0         Other       MAX       4 AVG 4         Other       Cement Left in Pipe         Feet 44       Cement Left in Pipe         Feet 44       Reason         Stage Sacks       Cement Data         1       455         Premium Plus Class C       2% Catching there is a constraint of therks: 0.25 #bk Cateholiste         Stage Sacks       Cement Data         Stage Sacks       Cement Data         Stage Sacks       Cement Data         Additives       WRq. Yield Lbs/Gal         1       455         Preflush       Freflush: BBI         Type:       Preflush: BBI         Cat. Disp Bbi       45         Additives       Gal & BBI         Summary       Surface Actual Disp.         Cat. Disp Bbi       45         Actual	Acid Turna Colu	-%	I	+				S COMPLE	TED SAFEL	
Visc.       Gal/Lb       In       Fotal       2.0         Perfoac Balls       Qty.       Pressures       200         Other       Qther       200       200         Other       Qther       200       200         Other       Qther       Cement Bells       200         Other       Qther       Cement Left in Pipe         Dither       Cement Data       Cement Left in Pipe         Feel       44       Reason       Shoe Joint         Stage       Sacks       Cement       6.34       1.32         1       455       Premium Plus Class C       2% Cactum Chiorids a.25 #bit Celofiate       6.34       1.32       14.8         2       0       0       0       0       0       0       0         3	Surfactant Gal.		2.2	╂╌╌╼╾╼┫		·		X 12/ SAC	KS TO SURF.	
Visc.       Gal/Lb       In       Fotal       2.0         Perfoac Balls       Qty.       Pressures       200         Other       Qther       200       200         Other       Qther       200       200         Other       Qther       Cement Bells       200         Other       Qther       Cement Left in Pipe         Dither       Cement Data       Cement Left in Pipe         Feel       44       Reason       Shoe Joint         Stage       Sacks       Cement       6.34       1.32         1       455       Premium Plus Class C       2% Cactum Chiorids a.25 #bit Celofiate       6.34       1.32       14.8         2       0       0       0       0       0       0       0         3	NE Agent Gal.			<u>                                     </u>	}					
Visc.       Gal/Lb       In       Fotal       2.0         Perfoac Balls       Qty.       Pressures       200         Other       Qther       200       200         Other       Qther       200       200         Other       Qther       Cement Bells       200         Other       Qther       Cement Left in Pipe         Dither       Cement Data       Cement Left in Pipe         Feel       44       Reason       Shoe Joint         Stage       Sacks       Cement       6.34       1.32         1       455       Premium Plus Class C       2% Cactum Chiorids a.25 #bit Celofiate       6.34       1.32       14.8         2       0       0       0       0       0       0       0         3	Fluid Loss Gal/Lb									
Visc.       Gal/Lb       In       Fotal       2.0         Perfoac Balls       Qty.       Pressures       200         Other       Qther       200       200         Other       Qther       200       200         Other       Qther       Cement Bells       200         Other       Qther       Cement Left in Pipe         Dither       Cement Data       Cement Left in Pipe         Feel       44       Reason       Shoe Joint         Stage       Sacks       Cement       6.34       1.32         1       455       Premium Plus Class C       2% Cactum Chiorids a.25 #bit Celofiate       6.34       1.32       14.8         2       0       0       0       0       0       0       0         3	Gelling Agent Gai/Lb									
Perfpac Balls Qty MAX 1000 AVG 200 Dther MAX 1000 AVG 200 MAX 4 AVG 4 Dther MAX 4 AVG 4 Dther Cement Left in Pipe Egel 44 Reason Shoe Joint Cement Data Stage Sacks Cement Additives W/Rq. Yield Lbs/Gal 1 456 Premium Plus Class C 2% Celclum Chierke; 8.25 #Fek Cellonfake 6.34 1.32 114.8 2 0 0 0 0 0 0 0 3 0 0 0 0 0 0 0 4 0 0 0 0 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MISC Gallb				Yetel	- 10				
Other		·····	10tal	i	Iotai	2.0	, I			
Other	Perfpac BailsQty.		[		Pre	ssures				
MAX       4       AVG       4         Other       Dther       Cernent Left in Pipe         Dther       Cernent Left in Pipe         Stage Sacks       Cernent       Additives         1       455       Premlum Plus Class C       2% Catching Chiorids; 8.25 Kink Celloffake       6.34       1.32       14.8         2       0       0       0       0       0       0       0         3       0       0       0       0       0       0       0         4       0       0       0       0       0       0       0         4       0       0       0       0       0       0       0       0         3       0	Other		MAX	1000	AVG.	200				
Dither       Cernent Left in Pipe         Dither       Cernent Left in Pipe         Stage       Sacks       Cernent       Shoe Joint         Stage       Sacks       Cernent       Additives       W/Rq.       Yield       Lbs/Gal         1       455       Premuum Plus Class C       2% Catchin Chlorids: 0.25 #hk Celloflake       6.34       1.32       14.8         2       0       0       0       0       0       0       0         3	Olhan		1				PM			
Other     Feel     44     Reason     Shoe Joint       Cement Data       Stage Sacks     Cement     Additives     W/Rq.     Yield     Lbs/Gal       1     455     Premlum Plus Class C     2% Catchun Chieride; 6.25 #kit Cateoflake     6.34     1.32     14.8       2     0     0     0     0     0     0       3			MAX	- 4			00			
Cement Data         Stage Sacks       W/Rq. Yield Lbs/Gal         1       455       Premlum Plus Class C       2% Catchen Chloride; 0.25 #rbt Celloffake       6.34       1.32       14.8         2       0	Other		Feel 44			Cott in 1. il		Joint		
Stage       Sacks       Cement       Additives       W/Rq.       Yield       Lbs/Gal         1       455       Prembum Plus Class C       2% Catchun Chloride; 0.25 #/ek Callofieke       6.34       1.32       14.8         2       0       0       0       0       0       0       0         3			Tutat		Readen		01100			
1       455       Premium Plus Class C       2% Catching Chioride; 8.25 #hk Celoniate       10.32       10.32       10.32       10.32       10.48         2       0       0       0       0       0       0       0       0         3			Cem	ent Data					1	
2       0       0       0       0       0       0       0       0         3				·						
3			15 #/ek Celloflak	4						
4     Summary       Preflush     Type:       MAXIMUM     Load & Bkdn: Gal - BBI       Lost Returns-f     N/A       Actual TOC       Actual TOC       Frac. Gradient       Treatment:       Gal - BBI       Surface       Actual TOC       Frac. Gradient       Treatment:       Gal - BBI       Surface       Actual TOC       Frac. Gradient       Treatment:       Gal - BBI       Surface       Actual TOC       Surface       Actual TOC       Surface       Actual TOC       Surface       Calc. Disp Bbi       45.00       Surface       Diso Bbi       Wall       Total Volume       Bl       #VALUEI         CUSTOMER REPRESENTATIVE         Multi         Signature							0		0	
Preflush       Type:       Preflush:       BBI       10.00       Type::       H20         Breakdown       MAXIMUM       Load & Bkdn:       Gal - BBI       Pad:Bbl-Gal       Address         Lost Returns-f       N/A       Excess /Return BBI       30       Calc. Disp Bbl       45         Actual TOC       SURFACE       Calc. TOC:       Surface       Actual Disp.       46         Average       Frac. Gradient       Treatment:       Gal - BBI       Diso Bbl       45         Sim       10 Min       15 Min       Cement Slumy BBI       #VALUEI       Diso Bbl       46         CUSTOMER REPRESENTATIVE       MUM       Hack       Signature       Thank You For Using       Thank You For Using										
Preflush       Type:       Preflush:       BBI       10.00       Type::       H20         Breakdown       MAXIMUM       Load & Bkdn:       Gal - BBI       Pad:Bbl-Gal       Address         Lost Returns-f       N/A       Excess /Return BBI       30       Calc. Disp Bbl       45         Actual TOC       SURFACE       Calc. TOC:       Surface       Actual Disp.       46         Average       Frac. Gradient       Treatment:       Gal - BBI       Diso Bbl       45         Sim       10 Min       15 Min       Cement Slumy BBI       #VALUEI       Diso Bbl       46         CUSTOMER REPRESENTATIVE       MUM       Hack       Signature       Thank You For Using       Thank You For Using		-						-		
Breakdown       MAXIMUM       Load & Bkdn: Gal - BBI       Pad:BbI - Gal         Lost Returns-h       N/A       Excess / Return BBI       30       Calc. Disp BbI       46         Average       Frac. Gradient       Treatment: Gal - BBI       Surface       Actual Disp.       45.00         average       Frac. Gradient       Treatment: Gal - BBI       Surface       Actual Disp.       45.00         average       Frac. Gradient       15 Min       Cement Slumy BBI       #VALUET       Disp. Bbi       45.00         average       5 Min       10 Min       15 Min       Cement Slumy BBI       #VALUET       Disp. Bbi       45.00         CUSTOMER REPRESENTATIVE       MUM       Mum       Mum       Signature       Thank You For Using			Summ	агу		••••				
Lost Returns-f       N/A       Excess /Return BBI       30       Calc. Disp BbI       45         Average       Frac. Gradient       SURFACE       Calc. TOC:       Surface       Actual Disp.       4500         SP       5 Min       10 Min       15 Min       Cement Slurry BBI       #VALUEI       0iso:Bbi       4500         CUSTOMER REPRESENTATIVE       10 Min       Huldh       Huldh       Huldh       Frac.         Signature         Total Volume BBI         Signature         Total Volume BBI				Preflush:		10.00			20	
AverageActual TOCSURFACE Calc. TOC:Surface Actual Disp48.00 AverageFrac. GradientTreatment: Gal - BB!Disp. Bisp 5 Min10 Min15 MinCement Slumy BBI Total Volume BBI #VALUEI CUSTOMER REPRESENTATIVE CUSTOMER REPRESENTATIVE  CUSTOMER REPRESENTATIVE 			AU/A							
Average       Frac. Gradient       Treatment:       Gal - BBI       Diso: Bbi         5 Min       10 Min       15 Min       Cement Slurry BBI       #VALUET         Total Volume       BBI       #VALUET         CUSTOMER REPRESENTATIVE       10 Julda       Hug2         SIGNATURE       Thank You For Using										
CUSTOMER REPRESENTATIVE	Average Frac. (	Gradient		Treatment:	Gal - BBI		Diso Bt			
CUSTOMER REPRESENTATIVE 11 LICA Hugz	5 Min	15 Min	l				3			
Thank You For Using				Iotal Volume	BBI	#VALU	EI			
Thank You For Using										
Thank You For Using		- 211.01		<u>, 1</u>						
Thank You For Using	CUSTOMER REPRESENTATI	1	- / 7~	<u> </u>						
			-			ank Me				
O - TEX Pumping										
					0	- TEX	Pumping	3		

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				PRANELT ALM	1-11				
JOB SUMMARY				TN # 4		IKRET DATE	1/28/2014		
IStantonILinn Energy				CUSTOMER REP					
Congdon A5 ATU 178 Production				Weldon Higgins					
EMPNANE AJ ATU 1/8  Production				Jesus Jimenez					
Jesus Jimenez									
Beau Clem									
Devin Londagin									
Miguel Garcia-Hernandez									
Form. NameTy	De:	Called	Out						
Packer Type Set	At	Date 1-2	7-2014	On Locati 01/28	on jj /14	01/28/14		ompleted	
					· · · ·				
Tools and Access	al Depth	Time 12	:00	08:00		11:00	1	3:30	
Type and Size Qty	Make		New/Used	Well [	Jaca Size Gra	de From	To	Max. Allow	
Auto Fill Tube 0	IR	Casing	New	15.5		·····································	3108	1500	
Insert Float Valve 0 Centralizers 0		Liner							
Top Plug 0		Liner Tubing		<u> </u>					
HEAD 0		Drill Pipe		<u> </u>	<u> </u>				
Limit clamp 0		Open Hole						Shots/Ft.	
Weld-A 0 Texas Pattern Guide Shoe 0		IR Perforations							
exas Pattern Guide Shoe 0 IR Perforations									
Materials		Hours On Loca		Operating	Hours	Descrip	tion of Jot	<u> </u>	
ben Fluid Density 0 Lb/Gal Date Hours Date Hours					Production				
Spacer type dium Silic BBL, 3			5.0	01/28/14	2.0				
Spacer type BBL Acid Type Gal						-/			
Acid Type Gal Acid Type Gal	%					]			
Surfactant Gal						-			
NE Agent Gal.						]			
Gelling Agent Gel/Lh									
Fric. Red Gal/Lb									
MISCGal/LbIn Total 5.0 Total 2.0									
Perfpac BallsQty									
Dher MAX 1009 AVG. 200									
Other Average Rates in BPM									
Other MAX 3 AVG 3 Other Cement Left in Pipe									
Other	Feet 44	4 Reason				Shoe Joint			
Cement Data									
Stage Sacks Cement 1 435 O-Tex LowDense	2% Gyp, 2% Calcium Chi	Additives	419 8 24 0.44	A 76 #1-6 P-*-		W/Rq.		Lbs/Gal	
2 0 0	0		- 17, U.23 G-01	, 4.43 6/SK G880	11856	13.29	2.25	11.5	
3		55 15							
4					_				
	_!	Cummer							
Preflush Type		Summary Prefi	ush:	BBI <b>Г</b>	30.00	Type:	Sodium	Silicate	
BreakdownMAX		Load	& Bkdn: (	Gal - BBI 🗂		Pad:Bb	-Gal	SINCE C	
	Returns-t		ss /Return TOC:	881	70 Surfaci	Calc.Dis		7.1 10.0	
verage Frac	Gradient	Trea	tment: (	Gal - 881 _	Sunaci	Actual D Disp:Bbl		73.00	
aP5 Min10 M	Cem	ent Slurry	вві [	174.0					
Total Volume BBI 277.00									
CUSTOMER REPRESENTAT	IVE <u>Welch</u>	Hice.						1	
SIGNATURE SIGNATURE									
					nk You	For Usin	a		
		-					2		
O - TEX Pumping									

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