Сс	onfiden	tiality	Requested:
	Yes	ΠN	0

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1246530

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: 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:
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 #:	Dewatering method used:
Dual Completion Permit #: SWD Permit #:	
SWD Permit #: 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 Twp S. R East _ West
Recompletion Date Reached TD 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	1246530
Operator Name:	Lease Name:	Well #:
Sec TwpS. R □ East □ West	County:	
INCTRUCTIONS. Show important tang of formations panatrated	Dotail all coros Roport 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		-	on (Top), Depth a		Sample
Samples Sent to Geolog	ical Survey	Yes No	Name			Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
			RECORD New		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 / SQUE	EEZE RECORD			

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?	
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	-
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	

Yes	No
Yes	No
Yes	No

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

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

Shots Per Foot		PERFORATION Specify Fo	I RECOF	RD - Bridge Plu Each Interval P	ugs Set/Typ erforated	96			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed	d Product	tion, SWD or ENHI	٦.	Producing Me	ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	ər	Bbls.	Gas-Oil Ratio	Gravity
DIODOOIT										
DISPOSIT	d 🗌	Used on Lease		Open Hole	Perf.	OF COMPLE	Comp.	Commingled (Submit ACO-4)	PRODUCTION INTE	:RVAL:
(If vented, Su	ibmit ACC)-18.)		Other (Specify)						

Form	ACO1 - Well Completion
Operator	Linn Operating, Inc.
Well Name	W.L. PUCKETT A-4 ATU-388
Doc ID	1246530

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	730	Premium Plus Class C	450	
Production	7.875	5.50	15.50	2857	O-Tex LowDense	395	

CAUSTY			IOB SUI	MMAR	Y		TN# 1	480		HEARTBATE	1/29/20	15
Grant			(Lion Eperg	v			CUSTOMER IN	P	- 122	1000-00-0		
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Type and Size	his and Acc	essori	ies		10		Well		C		-	19.46
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id Loss	Gal/Lb Gal/Lb Gal/Lb Gal/Lb Gal/Lb Cement m Plus Clar 0	u C	In	MAX MAX Feel 4	nent	<u>2006</u> 3	Pre: AVG. Average R AVG Cement 1	ssures lales in l	10	Shoe Jo W/Rq. 6.34 0	Yield 1.32	14.8
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Agent	Gal/Lb Gal/Lb Gal/Lb Gal/Lb Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	ment 7	M	MAX MAX Feel Ce Additives	44 mant D 45, R4% C Imary Pref. Loac	1000 3 1949 -15, 6.4% C-41P 105h: 6 & Bicdn; 10	Pre AVG Average F AVG Cement Reason , 0.7% C-01, 0.2% BBI BBI Gal - BBI	Sources Caless in E Left in Pi Data Called 10.00 72	Pe Shoe	1. Yield 9 225 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	17.5 0 0	
ling Agent	Cament LowDense Ce 0 0 0 0	pe: AXIMUL st Rep	M Gyp. 2% Calcham	MAX MAX Feel Ce Additives Chiende, 2% C	44 ment D 44, R4% C mary Prefi Loac Calc	1000 3 1949 -15, 6.4% C-4% 1958 1958 1955 1955 1955 1955 1955	Pre AVG Average F AVG Cemeni Reason 	Sources 300 Relies in 6 3 Left in Pi 5 Brak Cellon 10.00	Pe Shoe W/Ric 1321 0 0 0 0 Type: Pad-Bo Calc. Do Calc. Do Calc. Do	1. Yield 9 225 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11.5 0 0	
Agent	Gal/Lb Gal/Lb Gal/Lb Gal/Lb Gal/Lb Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	ment 7	M	MAX MAX Feel Ce Additives Cherkle, 2% C	44 mant D Harry Prefi Load Exce Calc	ioon 3 iata -15, 0.45 C-417 iush: d & Bkdn; TOC timent.	Pre AVG Average F AVG Cement Reason ,0.7% C-01, 0.2 0.07% C-01, 0.2 CO0, 0.07% C-01, 0.2 CO0, 0.07% C-01, 0.2 CO0, 0.07% C-01, 0.2 CO0, 0.2 CO0, 0.2 CO0, 0.2	Sources 300 Rates in E 3 Left in Pi 5 Brak Cellon 10.00 72 SURFAL	Pe Shoe W/Rc 1322 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1. Yield 9 225 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	17.5 0 0	
Ing Agent	Gal/Lb Gal/Lb Gal/Lb Gal/Lb Gal/Lb Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	ment 7 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	M Gyp. 2% Calcham	MAX MAX Feel Ce Additives Cherkle, 2% C	44 mant D Harv Prefi Loac From Colo Trea Cem	3 1949 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% 195,	Pre AVG Average F AVG Cement Reason 	Sources 300 Rates in 2 3 Left in Pi 5 Drak Callod 10.90 72 SURFAC 158.0	Pe Shoe W/Rc 1322 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1. Yield 9 225 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11.5 0 0	
Agent	Gal/Lb Gal/Lb Gal/Lb Gal/Lb Gal/Lb Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	ment 7 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	M	MAX MAX Feel Ce Additives Cherkle, 2% C	44 mant D Harv Prefi Loac From Colo Trea Cem	3 1949 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% 195,	Pre AVG Average F AVG Cement Reason ,0.7% C-01, 0.2 0.07% C-01, 0.2 CO0, 0.07% C-01, 0.2 CO0, 0.07% C-01, 0.2 CO0, 0.07% C-01, 0.2 CO0, 0.2 CO0, 0.2 CO0, 0.2	Sources 300 Rates in E 3 Left in Pi 5 Brak Cellon 10.00 72 SURFAL	Pe Shoe W/Rc 1322 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1. Yield 9 225 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11.5 0 0	
Agent	Gal/Lb Gal/Lb Gal/Lb Gal/Lb Gal/Lb Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	ment 7 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	M	MAX MAX Feel Ce Additives Cherkle, 2% C	44 mant D Harv Prefi Loac From Colo Trea Cem	3 1949 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% 195,	Pre AVG Average F AVG Cement Reason 	Sources 300 Rates in 2 3 Left in Pi 5 Drak Callod 10.90 72 SURFAC 158.0	Pe Shoe W/Rc 1322 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1. Yield 9 225 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11.5 0 0	
ling Agent	Gal/Lb Gal/Lb Gal/Lb Gal/Lb Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	ment P G O AXIMUL Lual TC ac. Gra Min	M	MAX MAX Feel Ce Additives Cherkle, 2% C	44 mant D Harv Prefi Loac From Colo Trea Cem	3 1949 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% 195,	Pre AVG Average F AVG Cement Reason 	Sources 300 Rates in 2 3 Left in Pi 5 Drak Callod 10.90 72 SURFAC 158.0	Pe Shoe W/Rc 1322 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1. Yield 9 225 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11.5 0 0	
Agent	Gal/Lb Gal/Lb Gal/Lb Gal/Lb Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	ment P G O AXIMUL Lual TC ac. Gra Min	M	MAX MAX Feel Ce Additives Cherkle, 2% C	44 mant D Harv Prefi Loac From Colo Trea Cem	3 1949 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% 195,	Pre AVG Average F AVG Cement Reason 	Sources 300 Rates in 2 3 Left in Pi 5 Drak Callod 10.90 72 SURFAC 158.0	Pe Shoe W/Rc 1322 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1. Yield 9 225 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11.5 0 0	
Agent	Gal/Lb Gal/Lb Gal/Lb Gal/Lb Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	ment P G O AXIMUL Lual TC ac. Gra Min	M	MAX MAX Feel Ce Additives Cherkle, 2% C	44 mant D Harv Prefi Loac From Colo Trea Cem	3 1949 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% 195,	AVG Average F AVG Cement Reason ,0.2% C-01, 0.2 BBI Gal - BBI BBI BBI BBI BBI Cal - BBI BBI	Sures 300 Rates in E 3 Left in Pi 5 Brak Celtar 10.00 72 SURFAR 158.0 235.00	Pe Shoe W/Rc 1320 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	н. Yield 9 2.25 0 0 0 1-Gal sp.Et. 2 2 1 5 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11.5 0 0	
ling Agent Red. C. ipac Balls ar	Gal/Lb Gal/Lb Gal/Lb Gal/Lb Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q	ment P G O AXIMUL Lual TC ac. Gra Min	M	MAX MAX Feel Ce Additives Cherkle, 2% C	44 mant D Harv Prefi Loac From Colo Trea Cem	3 1949 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% 195, 6.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% C.4% C.4% C.4% 195, 6.4% C.4% C.4% C.4% 195,	Pre AVG Average F AVG Cement Reason ,0.2% C-31, 0.2 ,0.2% C-31, 0.2% C-31, 0	Sures 300 Tales in E 3 Left in Pi 5 Brak Cellor 10.00 72 SURFAR 158.0 235.00 / / / / / / / / / / / / /	Pe Shoe W/Rc 1322 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A. Yield 9 2.25 0 0 1-Gal sp Eta Piste 1 1 1 1 1 1 1 1 1 1 1 1 1	0	