

Kansas Corporation Commission Oil & Gas Conservation Division

1169639

Form ACO-1 June 2009 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:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City:	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used?
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec Twp S. R
☐ ENHR Permit #: ☐ GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

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													
Letter of Confidentiality Received													
Date:													
Confidential Release Date:													
Wireline Log Received													
Geologist Report Received													
UIC Distribution													
ALT I II III Approved by: Date:													

Side Two



Operator Name:			Lease Name: _		Well #:					
Sec Twp	S. R	East West	County:							
time tool open and clo	osed, flowing and shu es if gas to surface te	d base of formations pen t-in pressures, whether s st, along with final chart(s well site report.	hut-in pressure read	ched static level,	hydrostatic press	ures, bottom h	ole temperature, fluid			
Drill Stem Tests Taker (Attach Additional		Yes No		og Formation	n (Top), Depth an	d Datum	Sample			
Samples Sent to Geo	logical Survey	☐ Yes ☐ No	Nam	е		Тор	Datum			
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Cop)	d Electronically	Yes No Yes No Yes No								
List All E. Logs Run:										
		Report all strings set-		ermediate, producti		T 2 .				
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	JEEZE RECORD	I					
Purpose: —— Perforate —— Protect Casing —— Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used		Type and P	ercent Additives				
Plug Off Zone										
Shots Per Foot		DN RECORD - Bridge Plug Footage of Each Interval Perl			cture, Shot, Cement mount and Kind of Ma		d Depth			
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No					
Date of First, Resumed	Production, SWD or EN	HR. Producing Meth		Gas Lift C	other (Explain)					
Estimated Production Per 24 Hours	Oil I	Bbls. Gas	Mcf Wat	er Bl	ols. G	Sas-Oil Ratio	Gravity			
DISPOSITI	ON OF GAS:	N.	METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:			
Vented Solo	Used on Lease	Open Hole	Perf. Dually		nmingled mit ACO-4)					
(If vented, Su	bmit ACO-18.)	Othor (Specify)	(SubMit i	100-0) (SUDI	IIII ACO-4)					

Form	ACO1 - Well Completion
Operator	Pioneer Natural Resources USA, Inc.
Well Name	LAHEY et al ATU 1
Doc ID	1169639

Tops

Name	Тор	Datum
KRIDER	2437	
ODELL	2459	
WINFIELD	2514	
TOWANDA	2556	
FT_RILEY	2609	
FLORENCE	2676	
WREFORD	2700	
A1_LIME	2733	
B1_LIME	2797	
B2_LIME	2820	
B3_LIME	2844	
B4_LIME	2858	

CEMENTING TR	EATMENT	REPORT			PIC	ONEER	2			TREATMENT NUMBER FG2013023 DATE					8/9/2013								
					NATUR	AL RESOURCE	S			STAGE JOB TYPE					8/9/2013 Surface								
WELL NAME A	ND NO.				LOCATI	ON (LEGAL)	RIG NAME: CEI					CEMENT PUMPER:											
FIELD	L	ahey ATU	l		FORMA'	FSL&186'FEL,SEC FION	2.26,T30S,R35W	WELL DATA	Trinidad Drilling #216						TOP	23004	FT						
	Hu	goton/Panor	na			Glorieta		BIT SIZE	12 1 /4	CSG/Liner Size 8 5 / 8													
COUNTY		Stevens			STATE	A Kansas	PI NO.	TOTAL DEPTH MUD TYPE	573'	WEIGHT FOOTAGE	24# 549'												
		Stevens				Ransas		BHST		GRADE	J-55												
RIG FORMAN				Key	vin Swat	fford		BHCT		THREAD	STC												
								MUD DENSITY	_	SHOE JOINT(S)	42.2						TOTAL:						
CEMENT SUPER				Fran	ık L. Gor	nzales		MUD VISC Include Footage From Gr	round Level To He	Disp. Capacity	32.3	I .					32.3						
				1	Mike Vecell	lio		O TYPE	Iodiid Devel To Ti	саа и вър. сараску		TYPE											
								E DEPTH			Stage Tool	DEPTH TYPE											
SPECIAL INSTRUC	CTIONS							DEPTH		-	Stag	DEPTH											
								Head & Plugs			D.P.				SQUEE	EZE JOB							
-								Double Box 6	WEIGHT	SIZE	2 7/8		TYPE DEPTH										
								Single	GRADE		J-55	TAIL PIPE			SIZE		DEPTH						
PERSONNEL;	j.r. Ortiz,Do	n Wilson,Ror	Trujillo,Robert	Ashe,Eric Whe	eler			bwage knockout	THREADS	<u> </u>	EUE	TUBING V					BBLs						
LIFT PRESSURE			191	psi	1			<u> </u>	New J	√ Used		CSG VOL	BELOW	TOOL			BBLs BBLs						
PRESSURE LIMI			000	psi	BUMP	PLUG TO	900	CEMENT TEMPERA				ANNULAR					BBLs						
TDE	ppro	SCLIDE	VOLUME	DUMBER		Centralizer:	4 &1 basket	WATER QUALITY:	ION	1 3	Ph DIC UD	0		PPG	IPPTI	70	TEMP						
TIME 0001 to 2400	TBG	SSURE CSG	INCR	PUMPED CUM	TIME:	EDULED FOR 2:00 l	Date: 8/9/2013	ARRIVE ON LOCATI TIME: 1:00	DATE:	8/9/2013	RIG UP TIME:	1:20	DATE:	8/9/2013		OCATION 6:00	Date: 8/9/2013						
		1			RATE	FLUID TYPE	E DENSITY	1															
3:30										Safety meeting													
4.00		1000	2	2		1120	0.2			Praceura Tact													
4:00		1000	2	2	1	H2O	8.3			Pressure Test													
4:03		100	40	42	4	H2O	8.3				Water Ah	ood											
4:03		100	40	42	4	H2O	6.3																
4:20		150	96.5	138.5	4	Cmt.	15			Pu	Pump Cement @ 15 PPG (448 Sks.)												
1.20		150	70.5	130.3		Cint.					inp comein												
4:51		50	32.3			H2O		Pump Displacement															
4:54		150		148.5	4	H2O	8.3	1ST. Call Out															
4:57		220		158.5	5	H2O	8.3																
4:59		250		168.5	4	H2O	8.3	3rd. Call Out															
5:02		180		170.8	1.3	H2O	8.3	Final Lift															
5:02		890			1.3	H2O	8.3		Bump Plug														
											11-11-61	IOME D	11.13										
5:12											Hold for	10 Min Pl	ug Heid										
			1				İ																
			<u>L</u>	L		<u>l</u>																	
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											***	D											
			50	220.8	4	H2O	8.3	5			wash U	p Pump and	Lines										
											n	IG DOWN											
System Used	No.of	Yield	 	<u> </u>	<u> </u>	1	1	COMPOSITION OF S	SYSTEM		K	אאטם פי					MIXED						
	Sacks	ft ³ /sk	-													BBLS	DENSITY						
Surf. Set	448	1.21	1					Class G,Pozz,S1,P29	9,P46							96.5	15						
			-																				
-		-	 																				
			-																				
	<u> </u>	<u> </u>	<u> </u>												<u> </u>		<u> </u>						
CIRCULATION	∐/re:	yes s	lo	WASHED CA	ASING DOV	VN no	Ngurned (to Pit		BREAKDOWN BEFORE PLUG BUM	P	100	PSI	FINAL		890	PSI						
DISPLACEMENT				BBLS			22	•		PRESSURE		80	PSI	RATE		1.3	BPM						

CEMENTING TRI	EATMENT	REPORT (P	AGE 2)			NEE						TREATMENT NU STAGE	MBER FG2013023		JOB TYPE 8/9/2013								
WELL NAME AN	D NO.					N (LEGAL)	,53		RIG NAME:				1		Surface CEMENT PUMP:								
FIELD	I	Lahey ATU1			2510 FORMATI	FSL&186FEL,S	EC.26,T305	S,R35W	RIG FOREM		Trinida	d Drilling #216			23004								
	Hı	ıgoton/Panon	na			ON Glori	eta				Kevi	n Swafford			CEMENT SUPERVISOR: Frank L. Gonzales								
COUNTY		Stevens			STATE	Kansas	API NO.		ARRIVE ON TIME:	LOCATION 1:00	DATE:	8/9/2013	RIG UP TIME:	1:20	DATE:	8/9/2013	LEFT LOC TIME:	ATION 6:00	DATE:	8/9/2013			
TIME 0001 to 2400	TBG	SSURE CSG	VOLUME PU INC	MPED CUM	JOB SCHE TIME: RATE	DULED FOR 2:00 FLUID T	DATE:	8/9/2013 DENSITY						COMMENT									
-																							
JOB SUMARY:							1																

CEMENTING TR	EATMENT	REPORT			PIC	NEE	2				TREATMENT NUM		8/11/2013											
					NATUR	I RESOURCE	FS				FG2013024 STAGE				PE									
WELL NAME AND NO. LOCATION (LEGAL)								RIG NAME:				2		CEMEN	T PUMPER		Production							
Lahey ATU1 2510FSL&186FEL,SEC.26,T30S,R35W FIELD FORMATION W									Trinidad drilling Rig #216 VELL DATA BOTTOM						23004 FT TOP FT									
	Hu	goton/Panom	ıa			Chase - Counsel	Grove	BIT SIZE							Ι	101		1						
COUNTY					STATE		API NO.	TOTAL DEP	тн	2959	WEIGHT 15.5													
		Stevens			1	Kansas		MUD TYPE			FOOTAGE	2937.94												
								□BHST □ BHCT			GRADE	J-55												
RIG FORMAN Kevin Swafford											THREAD LESS FOOTAGE SHOE JOINT(S)	LT&C												
CEMENT SUPER Frank L. Gonzales									TY		Disp. Capacity	42.32 67.1						TOTAL: 67.1						
CEMENT SUPER			TTAIL	L. Goliza	aics		MUD VISC Include Foota	ge From Ground	d Level To Head	In Disp. Capacity	07.1			l	l.		07.1							
			Mike Vecellio			TYPE				-	TYPE													
								DEPTH TYPE				Stage Tool	DEPTH TYPE											
SPECIAL INSTRUC	CTIONS							[≚] DEPTH					DEPTH											
								Head & Plugs			TBG	D.P.				SQUEEZ	E JOB							
								Double B	lox 6	WEIGHT	SIZE		T00L	TYPE DEPTH										
								Single		GRADE			TAIL PIPE:			SIZE		DEPTH						
Personnel; J.R. Orti	z,Ronald Tru	ijillo,Robert	Ashe	,Don Wilson,E	ric Wheeler			Swage		THREADS			TUBING VO	LUME				BBLs						
		ı			1			Knockou	t	New	Used		CSG VOL B	ELOW T	OOL			BBLs						
LIFT PRESSURE			799	psi	nya en ny	ua ma	1400	CITA CENTE CO	TO CONTRACT OF THE PARTY OF THE	DEPTH	<u> </u>		TOTAL ANNULAR					BBLs						
PRESSURE LIMI	1		3000	psi	BUMP PLI NO. of Cen	•	1400 15	WATER QU	EMPERATUR	E:	7	PH	ANNULAR	VOLUME	PPG		68.5	BBLs TEMP						
TIME	PRES	SURE	VOLUME	E PUMPED		DULED FOR			LOCATION			RIG UP				LEFT LO	OCATION	1						
0001 to 2400	TBG	CSG	INCR	CUM	TIME:		DATE 8/11/2013	TIME:	4:30	DATE:	8/11/2013	4:50 DATE: 8/11/2013			TIME:	10:30	DATE:	8/11/2013						
		1			RATE	FLUID TYP	E DENSITY																	
< 15												Safaty Maating												
6:45												Sate	Safety Meeting											
7:14						<u>H2O</u>	8.3				Load Bottom Plug													
7:18		2500	2	2	1						Pressure Test													
7:24		200	75	77	4	H2O	8.3				Water Ahead													
7:43		200	169.7	246.7	3.5	Cmt.	12.5				Pump Le	ead Cemer	nt @ 12.5 I	PPG (397 Sks.)	ı								
8:27		100	34.7	281.4	3	Cmt.	13.5				Pump Tail Cement @ 13.5 PPG (121 Sks.)													
														(
8:39		28	3	284.4	2	H2O						Wa	sh up lines	2										
0.57		20	3	204.4		1120						•												
8:41						H2O	8.3					DE	OP PLUC											
0.41						1120	0.3																	
0.42		50	67.4			1120	0.2				Pump Displacement													
8:42		50	67.4		4	H2O	8.3				Pump Displacement													
											L. CIIO.													
8:49		250		304.4	3.5	H2O	8.3				1st. Call Out													
											21075													
8:57		500		324.4	3.5	H2O	8.3				2nd. Call Out													
9:04		800		344.4	4	H2O	8.3				3rd. Call Out													
9:08		750		351.8	1	H2O	8.3					I	inal Lift											
9:08		1415		ļ								В	ump Plug											
				1																				
9:19				<u></u>								P	lug Held											
					-						<u></u>													
			<u></u>	<u>L</u>		<u>L</u>																		
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				1																				
				1																				
				1																				
9:23			50	401.8	4	H2O	8.3					Wach IIn	Pump are	l Linac										
7.43			30	401.8	4	1120	0.3				Wash Up Pump and Lines													
0.50				1				DIG DOWN																
9:50									RIG DOWN COMPOSITION OF SYSTEM SLURRY MIXED															
No.of Yield Sacks ft ³ /sk																	BBLS		NSITY					
lead	397	2.4						Class G,Pozz,	P20,S1,P29,P4	6,P42,P154							115.2	1	12.5					
tail	121	1.61						Class G,Po	zz,P42,S1,P46,I	P167,P20				22.4 13.5										
											<u></u>				Andrew Andrews									
								_				_	_				_							
CIDCIA ATTON	√ Y€	es \square	No	WACHER	CING POT	rn r	Yes √No				BREAKDOWN			рст	EINAT	•								
CIRCULATION				WASHED CA	SING DOV	ATA [RETURNED TO	SURFACE			BEFORE PLUG BUM	P		PSI	FINAL			PS						
DISPLACEMENT	VOL.			BBLS							PRESSURE			PSI	RATE			1 BPM						