

## Kansas Corporation Commission Oil & Gas Conservation Division

1168195

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	Amount of Surface Pipe Set and Cemented at: Feet
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW	Multiple Stage Cementing Collar Used? Yes No
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Christ Management Dlan
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content:ppm Fluid volume:bbls
☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD	Dewatering method used:
Conv. to GSW	Dewatering metriod 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 #:	
☐ ENHR         Permit #:	Quarter Sec TwpS. R
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 Approved by: Date:

Side Two



Operator Name:				Lease N	lame:			Well #:		
Sec Twp	S. R	East	] West	County:						
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rat line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures st, along with	s, whether s final chart(s	hut-in press	ure reach	ed static level,	hydrostatic pres	ssures, bottom h	nole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional		Yes	☐ No		Log	g Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор		Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Cop)	d Electronically	☐ Yes ☐ Yes ☐ Yes	No No No							
List All E. Logs Run:										
		Report a		RECORD	New	Used	on, etc.			
Purpose of String	Size Hole Drilled	Size C Set (In	asing	Weig Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent additives
		<u> </u> 	DDITIONAL	CEMENTIN	IG / SQUE	EZE RECORD				
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of 0	Cement	# Sacks	Used		Type and	Percent Additives		
Shots Per Foot	PERFORATI Specify	ON RECORD - Footage of Each	Bridge Plug n Interval Peri	s Set/Type forated			cture, Shot, Ceme mount and Kind of N	nt Squeeze Record Material Used)	d 	Depth
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:				
							Yes N	0		
Date of First, Resumed	Production, SWD or EN	IHR. Pr	oducing Meth	nod:	g 🗌 G	as Lift C	Other (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	BI	ols.	Gas-Oil Ratio		Gravity
DISPOSITI	ON OF GAS:		N	METHOD OF	COMPLET	TION:		PRODUCTIO	ON INTER	VAL:
Vented Solo	Used on Lease		n Hole	Perf.	Dually (		nmingled mit ACO-4)			
(11 verneu, 3u	10./	Othe	r (Specify)				I —			

Form	ACO1 - Well Completion
Operator	Pioneer Natural Resources USA, Inc.
Well Name	MAGNOLIA et al ATU 1
Doc ID	1168195

## Tops

Name	Тор	Datum
KRIDER	2453	
ODELL	2516	
WINFIELD	2549	
GAGE	2566	
TOWANDA	2597	
FT_RILEY	2648	
FLORENCE	2708	
WREFORD	2738	
A1_LIME	2784	
B1_LIME	2840	
B2_LIME	2866	
B3_LIME	2889	
B4_LIME	2905	
B5_LIME	2917	

CEMENTING TR	EATMENT	REPORT			DIC	NEER					TREATMENT NUM G	BER		8/1//2013						
					MATHR	I PESNIBLES					STAGE	H2013013		JOB TY	PE	surface				
WELL NAME AN	D NO				LOCATIO	N (LEGAL)		RIG NAME:			<u> </u>			CEMEN	T PUMPER:					
	Ma	ignolia ATU	11		206' F	SL & 208 FEL, sec23 T	31S, R38W			Trinidad	Drilling Rig #216		CENTER							
FIELD					FORMATI	ON		WELL DATA BIT SIZE	١	1	CSG/Liner Size	8 5/8			FT	TOP		FT		
COUNTY					STATE	API N	D.	TOTAL DEP	тн	616	WEIGHT	24						1		
		Grant Co				KS		MUD TYPE			FOOTAGE	591.73						1		
						•		BHST			GRADE							1		
RIG FORMAN				I	Dave Martin	ez		BHCT			THREAD							Ī		
								MUD DENSI	TY		LESS FOOTAGE SHOE JOINT(S)	42.2						TOTAL:		
CEMENT SUPER				(	Gary Hesslin	g		MUD VISC			Disp. Capacity	34.95						34.95		
									ge From Ground	Level To Head I	n Disp. Capacity						•	•		
								TYPE DEPTH				<u> </u> 8	TYPE DEPTH							
								= TYPE				Stage Tool	TYPE							
SPECIAL INSTRUC	CTIONS							DEPTH					DEPTH							
								Head & Plugs	s		LTBG	D.P.				SQUEE	EZE JOB			
-			Set surface cas	ing				Double B	lov 6	WEIGHT	SIZE		1001	TYPE DEPTH						
								Single	, ox o	GRADE			TAIL PIPE:	DEFIN		SIZE		DEPTH		
								Swage		THREADS			TUBING VO	LUME				BBLs		
								Knockout	t	New	Used		CSG VOL B		OOL			BBLs		
LIFT PRESSURE			206	psi						DEPTH			TOTAL					BBLs		
PRESSURE LIMI	Г	1	1000	psi	BUMP PL	JG TO 5	00 over lift	CEMENT TI	EMPERATUR	E:			ANNULAR V	VOLUME	3			BBLs		
					NO. of Cen		5	WATER QUA				pН			SG			TEMP		
TIME	TBG	SSURE	1	CUM CUM	JOB SCHE TIME:	DULED FOR 9:00 DATE	7/20/2012	ARRIVE ON TIME:	LOCATION 8:30	DATE:	7/28/2013	RIG UP	0.45	DATE.	7/28/2013		OCATION 12:30	DATE.	7/29/2013	
0001 to 2400	IBG	CSG	INCR	COM	RATE	FLUID TYPE	2: 7/28/2013 DENSITY	TIME:	8:30	DATE:	7/28/2013	TIME:	8:45	DATE:	7/26/2013	TIME:	12:30	DATE:	7/29/2013	
2.00			1									A *	on 1 ·	ion						
2:00		-	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>		+	-				Arriv	ve on locat	1011						
2:30			1	1	ļ				Rig up pumps and bulk equipment											
		Ī	1																	
4:00			L	L	L	<u></u>		<u>L</u>				Held	safety mee	ting						
4:17		1000	2		0.5	H2o	8.34				Test nu	mps and li	nos to 100	O nei T	Fast good					
4.17		1000			0.3	H20	0.34				rest pu	mps and n	nes to 100	o psi. i	iest good.					
4:18		52	40		4	H2o	8.34	pumped H2o ahead. Cirrculation at 0 bbls away ( had equipment problem continued with H2o additional 33											ols total 75)	
5:09		100	101	143	4	Cmt	15	Mix and pump 101 bbls (469 sks) 15 # surface set cement												
								The state of the s												
5:47		30	34.95	177.95	4	H2o	8.34				D	rop plug a	nd start dis	splacen	nent					
5.47		30	34.75	177.75		1120	0.54					Top plug u	na start an	эргассп	iont					
										ъ.		10111 4	1 100					1016		
-										Disp	olacment callouts	3 10 bbis 4	bpm 120 j	OS1 (10S)	t cirrculat	10n @	14 bbsi regai	nea @16		
												20 b	bls 4 bpm	170 psi	i					
										30 bb	ls 4 bpm 200 psi	( lost circ	ulation @	33 lift	@ 230 we	ent on v	acuum)			
6:00											L and n	lug at 800.	lift test fl	oat Te	sted good					
0.00											Land p	iug at 600.	mt test ii	oat. 10	sicu good					
0.00						***														
8:30			9.5	187.45	0.5	H2o	8.34	Ran in ho	ole to with	1" tagged (	@ approx 80' loa	ded hole v	vith 4.5 bb	ls H2o	pumped a	addition	nal 5 watched	for fall	back. None	
11:00		50	38	225.45	1		15.8			M	ix 38 bbls (185s	ks) 15.8 c	lass G cen	ent and	d pumped	to surf	ace			
											wat	ched for fa	all back for	r 30mir	ı. OK					
		-	<del>                                     </del>	<del>                                     </del>	1		1													
			1																	
				-	<b> </b>		-	1												
			1																	
		<u> </u>	<u> </u>	<u> </u>	<u> </u>			<u> </u>												
			1																	
			1		1															
0:15	N. O	V/-13	11:45		<u> </u>			COLUMN	THON OF CO.	DOTES A		Rigged de	own a left	locatio	n		// vi==	VAHVES		
System Used	No.of Sacks	Yield ft <sup>3</sup> /sk						COMPOSI	ITION OF SYS	STEM							BBLS SLURR	Y MIXED DI	ENSITY	
			<del>                                     </del>						25.11								101			
Surface Set	469		<del>                                     </del>			Surfa	ce set 25:75 (p:0	i) + 3% S1, 0.		, 0.25 lb / sx p	0 46 @ 15 # gal						101	<u> </u>	15	
Class G	185	1.15	1						Glass G							<u> </u>	38	<u> </u>	15.8	
																			<u></u>	
CIDCUI ATION		es $\Gamma$	]No	WASHED	SING DOT	n □Yes	√No				RDEAKDOWN			DCI	FINAT		900		er	
CIRCULATION			1.~	WASHED CA	SING DOW		RETURNED TO	SURFACE			BREAKDOWN BEFORE PLUG BUM	P		PSI	FINAL		800	P	PSI	
DISPLACEMENT	VOI	2	84.95	BBLS	i	-	0				PRESSURE		230	PSI	RATE		,	BPM		

CEMENTING TRI	EATMENT	REPORT (P	AGE 2)		PIC	NEE	R					TREATMENT NU	MBER GH2013013		DATE								
					NATURA	L RESOURC	CES					STAGE			JOB TYPE								
WELL NAME AN	D NO.	ignolia ATU	T 1		LOCATIO	N (LEGAL) SL & 208'FEL,	22 T21	c prow	RIG NAME:		Trinidad I	Orilling Rig #216			CEMENT PUMP: 23004								
FIELD	IVIa	ignona ATC	) I		FORMATI	ON	86023 131	3, KJ6W	RIG FOREM	AN:				CEMENT SUPERVISOR: Gary Hessling									
COUNTY		00			STATE	ATE API NO.			ARRIVE ON I	LOCATION		7/28/2013	RIG UP	8:45	DATE: 7/28/2013	LEFT LOCA	ATION	p. mr	7/29/2013				
TIME	PRES	Grant Co SSURE	VOLUME PU	MPED	JOB SCHE	KS DULED FOR	1		TIME:	8:30	DATE:	//28/2013	TIME:		DATE: //28/2013	TIME:	12:30	DATE:	//29/2013				
0001 to 2400	TBG	CSG	INC	CUM	TIME: RATE	9:00 FLUID T	DATE: YPE	7/28/2013 DENSITY						COMMENT									
				<del>                                     </del>																			
JOB SUMARY:																							
JOB SUMAKY:																							

CEMENTING TR	EATMENT	REPORT			DIC	NEE	D		TREATMENT NUMBER GH2013014  DATE 8/3/2013														
					MATHE	AL DESCRIP	CEC	STAGE 1 JOB TYPE longstring longstring															
WELL NAME AN	D NO.				LOCATIO	N (LEGAL)	CEO		RIG NAME:						CEMEN	longstring CEMENT PUMPER:							
FIELD	Ma	gnolia ATU	1		206' FN FORMATI	VL,& 208' FEL S	Sec 13, T3	1S, R 38W		Trinidad drilling Rig 216  VELL DATA BOTTOM							23004 FT TOP FT						
TIELD					CRMAII				BIT SIZE	•		CSG/Liner Size	5 1/2			F1	1Or						
COUNTY					STATE		API NO.		TOTAL DEF	TH	3048	WEIGHT	15.5										
		Grant Co				KS			MUD TYPE			FOOTAGE	3026										
RIG FORMAN				г	Dave Martine	ez			BHST		+	GRADE THREAD											
MO FORMET									MUD DENSI	ITY	1	LESS FOOTAGE SHOE JOINT(S)	41.9						TOTAL:				
CEMENT SUPER				(	Gary Hesslin	ıg			MUD VISC			Disp. Capacity	71						71				
									Include Footag	ge From Ground	l Level To Head I	n Disp. Capacity	ı	TYPE		1							
									DEPTH				Tool	DEPTH						-			
apparet plamete	TO LO								TYPE				Stage Tool	TYPE									
SPECIAL INSTRUC	TIONS			Cement produc	ction casing				DEPTH Head & Plug	<u> </u>		TBG	✓D.P.	DEPTH	<u> </u>		SQUEE	ZE JOB					
												SIZE		T001	TYPE								
									Double E Single	Box 6	WEIGHT GRADE			TAIL PIPE:	DEPTH		SIZE		DEPTH				
									Swage		THREADS			TUBING VO			SIZE		BBLs				
									Knockou	t	New	Jsed		CSG VOL B		OOL			BBLs				
LIFT PRESSURE			750	psi				1850			DEPTH			TOTAL					BBLs				
PRESSURE LIMI	ľ			psi	BUMP PLU NO. of Cen			1750 18	WATER QU	EMPERATUR	iE:	1	pН	ANNULAR		SG			BBLs TEMP				
TIME	PRES	SSURE	VOLUME	E PUMPED		EDULED FOR				LOCATION		1	RIG UP	1		50	LEFT LO	OCATION	112.711				
0001 to 2400	TBG	CSG	INCR	CUM	TIME: RATE	4:00 FLUID T	DATE:	8/3/2013 DENSITY	TIME:	3:30	DATE:	8/3/2013	TIME:	4:00	DATE:	8/3/2013	13	8:00	DATE:	8/3/2013			
					KAIE	FLOID I	IFE	DENSITY															
3:30													Arris	a on locat	ion								
3.30				1					1				AIII	e on locat	1011								
4:00													Ric	ı iin niimn	e and b	ulk equipr	nent						
7.00				1					1				KIŞ	, որ բաուր	unu U	air cquipi	.iviit						
5:15													Held	safety mee	otina								
3.13													Ticid	sarcty mee	ung								
5:29	2000		2			H2d		8.34				Test nu	mps and li	nes to 200	∩ nsi T	Cest good							
	2000					1120	,	0.54				Test pu	inps and n	1103 to 200	о ры. 1	est good.							
5:33		120	75		4	H2c	)	8.34		numped 77 bble H2c aboad													
		120	,,,			112		0.5 .		pumped 77 bbls H2o ahead.													
5:54		250	131.5	205	4	Cm	t	12.5		Mix and pump131 bbls ( 307 sks) 12.5 # lead ceme													
		200	151.5	200		Cin		12.0		m lead celler													
6:42		60	38.6	244.1	4	Cm	t	13.5		Mix and pump 38.6 bbls (134 sks)13.5 tail cement													
															,								
6:59										Wash pumps and lines, drop plug and start displacement 71 bbls.													
										о шол рашро шастико, шор разд шас эши изривения /1 0015.													
7:00		30	71	315.1	4	H2c	)	8.24		Pump 5 bbls fresh water displacement/ then pump 66bbls KCL displacement for total of 71 l													
										. Samp 2 0013 from water displacement their pump occors RCL displacement for total 01/1 buls													
										Ca	ill outs 23 b	bls away 4 bpm	250 psi. 46	away 4 b	pm 550	) psi 69 bb	ols awa	y 2 bpm750 j	si				
													•	-									
												finale lif	t 800 sent	48 bbls g	ood cei	ment to pi	t						
7:22		1580										Land p	ug at 1580	) psi testec	l float,	float held							
-																							
				1					ļ														
				<b>_</b>					<b> </b>														
				1					<b> </b>														
				1					<b> </b>														
0.00													minana 4 4.	un on 4 1. C	· loc-+								
8:00	No.of	Yield	<u> </u>	<u> </u>	<u> </u>	<u>I</u>		<u> </u>	COMPOS	ITION OF SYS	STEM		rigged dov	vn and left	iocatio	)II		SLURRY	MIXED				
System Used	Sacks	ft <sup>3</sup> /sk									BBLS DENSITY								ENSITY				
Lead	307	2.4					25/7	5 SDC blend 3	end 3% P20, 2% S1, 0.25#/sxP29, 0.25#/sx P46@ 12.5 #/gal											12.5			
Surface Set	134	1.61				Surface s	et 25:75 (p	:G) + 2% P20	20, 5 lb/sx p42, .2% S1, 0.25 #/sx P46, .15% p167, 2% p20 @ 13.5 # gal									38.6		13.5			
CIRCULATION	Y•	es 🗆	No	WASHED CA	ASING DOW	VN	☐Yes	□No							1580		PSI						
DISPLACEMENT	VOI.		71	BBLS	]		RE	TURNED TO 48	SURFACE			BEFORE PLUG BUM PRESSURE		:00	PSI	RATE		2	врм				
- LACENIENI	· Other			~~~								- MANDURE			4.71	AL			-/4 .71				

CEMENTING TRI	EATMENT	REPORT (P	AGE 2)		PIC	NEE	R					TREATMENT NUI	MBER GH2013014		DATE								
					NATURA	L RESOURC	CES					STAGE			JOB TYPE longstring								
WELL NAME AN	D NO. Ma	ignolia ATU	J 1		206' FN	N (LEGAL) L,& 208' FEL :	Sec 13, T31	1S, R 38W	RIG NAME:		Trinidad o	drilling Rig 216				CEMENT PUMP: 23004							
FIELD					FORMATI	ON			RIG FOREMA		Dav	e Martinez		CEMENT SUPERVISOR: Gary Hessling									
COUNTY		Grant Co			STATE	API NO.			ARRIVE ON L TIME:	OCATION 3:30	DATE:	8/3/2013	RIG UP TIME:	4:00	DATE:	8/3/2013	LEFT LOC TIME:	ATION 8:00	DATE:	8/3/2013			
TIME 0001 to 2400	TBG	SSURE CSG	VOLUME PU INC	MPED CUM	JOB SCHE TIME: RATE	KS DULED FOR 4:00 FLUID T	DATE:	8/3/2013 DENSITY						COMMENT									
					KAIE	PLOID I	ITE	DENSITI															
-																							
-																							
JOB SUMARY:							1																