

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1160726

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WEII	HIGTORY	- DESCRIP	NFII &	IFAGE
				LLASL

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 #	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.): If Workover/Re-entry: Old Well Info as follows:	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: feet depth to: w/ sx cmt
Operator:	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 #: Dual Completion Permit #:	Operator Name:
SWD Permit #:	Lease Name: License #:
ENHR Permit #:	Quarter Sec TwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or Recompletion Date Date Reached TD Completion Date or 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	1160726		
Operator Name:	Lease Name:	Well #:		
Sec TwpS. R East _ West	County:			

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional She	eets)	Yes No		-	n (Top), Depth an	Sample	
Samples Sent to Geolog	ical Survey	Yes No	Nan	ie		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<pre>Yes □ No Yes □ No Yes □ No</pre>					
List All E. Logs Run:							
		CASIN	G RECORD	ew Used			
		Report all strings se	et-conductor, surface, int	ermediate, product	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 / SQUEEZE RECORD

Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					Depth				
TUBING RECORD:	Siz	ze:	Set At:		Packe	r At:	Liner R	un:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	ł.	Producing M	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	s.	Gas	Mcf	Wate	er	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	ON OF (BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Uually (Submit /	Comp. ACO-5)	Commingled (Submit ACO-4)		
(If vented, Sul	bmit ACC)-18.)		Other (Specify)						<u></u>

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Harmon 3306 2-28
Doc ID	1160726

Tops

Name	Тор	Datum
Heebner	3202	-1873
Lansing	3571	-2242
Cottage Grove	3824	-2495
Oswego	4132	-2803
Cherokee	4255	-2926
Mississippian	4446	-3117
Kinderhook	4810	-3482
Woodford	4884	-3555
Simpson	4911	-3582

Schlumberger

Cementing Service Report

					Custo	mer	SANDRIDGE			Job Nu		Q-00220
Well				Location (legal)			Schlumberg	er Location			Job Start	
	HARMEN	3306 2-28		ANT	HONY			ROK			Ju	n/20/2013
Field Formation Name,			e/Type Deviation 0 deg		Bit Size Well MD 7.9 in		Well TVD ft ft					
County	HARPER		State/Province	Kansas	BHP		BHST	BH	ст	P	ore Press	. Gradient
	31473882		API/UWI 150		1	psi	degF		degF			lb/gal
Rig Name	.511/5002	Drilled For		Service Via				Casing/	Liner			
HORIZO	DN 3		l & Gas	Land	De	pth, ft	Size, in	Weight,	lb/ft	Gra	Ide	Thread
Offshore Zone		Well Class		Well Type		5108.0	5.5	1	7.0	J-!	55	8RD
			New	Exploration	-	0.0	0.0	0	.0			
Drilling Fluid Typ			Max. Density	Plastic Viscosity	12.22	a garan	ALC: NO DECISION AND A	Tubing/Dri	ill Pipe		8 (1 9 - 1	
brinnig trate typ			8.80 lb/gal	78.000 cP	T/D	Depth, ft	Size, in	Weig	ht, lb/ft	G	rade	Thread
Service Line		Job Type	1									
Cement	ting	200 The	5.5" PROD	UCTION	\vdash							
Max. Allowed Tut		May Allow	ed Ann. Press	WH Connection	and the		Per	forations/0	Open Hole	1.1.1.1.1.1		
max. Allowed Tub psi	0. PIC35	Max, Allowe	psi		T	op, ft	Bottom, ft	shot		No. of S	hots	Total Interval
							ft					ft
Service Instruction		s. services a	nd personnel to	safely cement 5 1/2"		ft e						Diameter
production casin	ng per client r	equest.				ft	ft					in
Pump 30 bbl gel displace per clie			oz:H @ 13.6 ppg	g, drop top plug and		ft	ft Displacemen		Packer T	vne	Day	ker Depth
	/5/	151			Ireat	Down	bisplacemen		Packer	He.	Fat	ft
									A		0	enhole Vol.
					Tubin	g Vol. bbl	Casing Vol. bb	1	Annular	bbl	op	bbi
	-							-0			upere let	
Casing/Tubing So	ecured		le Vol. Circulated	prior to Cement X	-		ing Tools		6		lneeze Jop	,
Lift Pressure		580			Shoe			Float	Squeeze			
Pipe Rotated			Pipe Reciprocate		-	Depth		5108.0 ft	Tool Type			
No. Centralizers		10 Top F	Plugs 1	Bottom Plugs 0	-	Tool Type			Tool Dep			ft
Cement Head Typ	pe	Sing	-			Tool Depth		ft	Tail Pipe			in
Job Scheduled Fo		Arrived on		Leave Location			Float	Tail Pipe			ft	
Jun/20/2	013	Junj	/20/2013	Jun/20/2013	Collar	Depth	ssage	5023.0 ft	Sqz. Tota	I VOI.	1.1.11 MAG	bbl
Constant and the local	- 1 (- 1 () () ()	The Competition of the				Me	ssaye			State Providence		
Date	Time 24-hr										and the fair	
Date												
	24-hr clock											
06/20/2013	24-hr	Started A	cquisition									
	24-hr clock	Started A	cquisition									
06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50	Started A	cquisition									
06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00	Started A	cquisition									
06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50	Started A	cquisition									
06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:17:40	Started A	cquisition									
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:17:40 03:20:30	Started A	cquisition									
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:17:40 03:20:30 03:23:20	Started A	cquisition									
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:14:50 03:20:30 03:20:30 03:22:20 03:26:10	Started A	cquisition									
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:14:50 03:20:30 03:22:30 03:23:20 03:26:10 03:29:00	Started A	cquisition									
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:14:50 03:20:30 03:20:30 03:23:20 03:26:10 03:29:00 03:31:50	Started A										
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:17:40 03:20:30 03:23:20 03:26:10 03:29:00 03:31:50 03:34:40	Started A	cquisition									
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:17:40 03:20:30 03:20:30 03:26:10 03:29:00 03:31:50 03:34:40 03:37:30	Started A	cquisition									
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:17:40 03:20:30 03:23:20 03:26:10 03:29:00 03:31:50 03:34:40 03:37:30 03:40:20	Started A	cquisition									
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:20:30 03:20:30 03:23:20 03:26:10 03:29:00 03:31:50 03:34:40 03:37:30 03:40:20 03:43:10	Started A										
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:20:30 03:20:30 03:22:20 03:26:10 03:29:00 03:31:50 03:31:50 03:34:40 03:37:30 03:40:20 03:43:10 03:46:00	Started A										
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:20:30 03:20:30 03:22:20 03:26:10 03:29:00 03:31:50 03:34:40 03:37:30 03:40:20 03:43:10 03:46:00 03:48:50	Started A										
06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:20:30 03:20:30 03:22:20 03:26:10 03:29:00 03:31:50 03:31:50 03:34:40 03:37:30 03:40:20 03:44:10 03:46:00 03:48:50 03:51:40	Start Job										
06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:20:30 03:20:30 03:22:20 03:26:10 03:29:00 03:31:50 03:31:50 03:34:40 03:37:30 03:40:20 03:44:00 03:48:50 03:48:50 03:51:40 03:52:33	Start Job										
06/20/2013 06/20/2013	24-hr clock 03:09:10 03:12:00 03:14:50 03:20:30 03:20:30 03:22:30 03:26:10 03:29:00 03:31:50 03:31:50 03:34:40 03:37:30 03:40:20 03:44:20 03:44:50 03:48:50 03:51:40 03:52:33 03:52:34	Start Job	nping Wash									

Well HA	ARMEN 3306 2		Field	Job Start Jun/20/2013	Customer SANDRIDGE	Job Number C1YQ-00220
Date	Time	-28		Messi		
	24-hr clock					
an a						
06/20/2013	04:03:00				· · ·	
06/20/2013	04:05:50			10 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -		
06/20/2013	04:08:40					
06/20/2013	04:11:25	Reset Total, Vol	= 30.39 bbl			
06/20/2013	04:11:30	End Wash				
06/20/2013	04:11:31	Start Mixing Lea	ad Slurry			
06/20/2013	04:14:20					
06/20/2013	04:17:10					
06/20/2013	04:20:00					
06/20/2013	04:22:50					
06/20/2013	04:25:40					
06/20/2013	04:28:30					
06/20/2013	04:30:32	Reset Total, Vol	= 82.94 bbl			
06/20/2013	04:30:37	End Lead Slurry				
06/20/2013	04:30:39	Drop Top Plug				
06/20/2013	04:30:40	Start Displacem	ent			
06/20/2013	04:31:20					
06/20/2013	04:34:10					
06/20/2013	04:37:00					
06/20/2013	04:39:50					
06/20/2013	04:42:40					
06/20/2013	04:45:30					
06/20/2013	04:48:20					
06/20/2013	04:51:10					
06/20/2013	04:54:00	8				
06/20/2013	04:56:50					
06/20/2013	04:59:40					
06/20/2013	05:02:30					
06/20/2013	05:05:20					
06/20/2013	05:08:10					
06/20/2013	05:11:00					
06/20/2013	05:13:50					
06/20/2013	05:13:50	Bump Top Plug				
06/20/2013	05:16:40	Dump top Flug				
06/20/2013	05:16:40	Reset Total, Vol	= 115 bbl			
06/20/2013	05:16:52	End Displaceme				
06/20/2013	05:16:52		ant			
06/20/2013	05:16:59	End Job				
06/20/2013	05:22:20					

Well	Field	Job Start	Customer	Job Number
HARMEN 3306 2-28		Jun/20/2013	SANDRIDGE	C1YQ-00220

Post Job Summary

		Average I	Pump Rates, bbl,	min					Vol	ume of Fluid	Injected, bb	I.		
Slurry 4.0	N:	2	Mud		Maximum Ra 11.0		Total Slurry 86.0		Mud	0.0	Spacer 30.	0	N2	
	1	Freating Pr	ressure Summary	, psi			Breakdown Fluid							
Maximum 5055	Final	6	Average 539	Bump Plug to 1243	Breakdo	wn	Type Frest	Water		Volume	bbl		Density 8.34 lb/gal	
Avg. N2 Percent Designed Slurry Volume % 0.0 bbl		Displaceme 115.0			ater Temp Cement Circula degF Washed Thru P				lume bbl ft					
Customer or A LUIS SOLIS	uthorized	Represent	tative	Schlumber John Bese	ger Superviso da II	or			Circulati	on Lost	Ľ] Joi -	b Completed	x

Schlumberger

Service Order for i-District Job 1002809

Customer Nar	ne:	Person Taking Call	:	Locatio			Order Date:	Job Number:
SANDRIDGE E				El Reno	OK WS		18-Jun-13	1002809
- FOR ELECTI INVOICING O	RONIC						16:19	
Service Order	· Number:	Service Line:		Supervi	sor:		Legal Locati	on:
		Cementing El Reno					-	
Well Name an	d Number:	Pad/Platform:		Field:			County:	State/Prov:
HARMON -330	06-,						Harper	Kansas
2-28								
Well Master N	lumber:	API/UWI:		Rig Nan			Well Age:	Sales Engineer:
0631473882		15077219350000		HORIZO			New	
Job Type:		Time Well Ready:		Deviatio	on:		Hole Size:	Well MD:
Cementing El I	Reno –			0 deg			7.875 in	5100 ft
Production		DUD		DUOT			DUCT	Treat Down:
Well TVD:		BHP:		BHST:			BHCT: 123 ºF	
5100 ft		Deeler Derth		140 °F	D MAX DEN	OITV.	HHP on	Casing Max Allowed
Packer Type:		Packer Depth:		13.4-13		5111.	Location:	Pressure:
				13.4-13	.0110		Location.	5000 psi
Max Allowed	Ann Pressure:			Job Sta	ge Descript	ion:	FTL Ticket/0	Quote Number :
	init rocouror				RODUCTION		C1YQ-002	122
Casing/Tubi	na						Service Ins	
String Type	Depth	Size Wei	ight	Grade	Thre	ad	Provide equ	ipment, materials,
Casing	5100 ft	5.5 in 20 l		P-110				d personnel to ent 5 1/2" production
							Pump 30 bl 50L50 Poz:	client request. <mark>bl gel water, 326 sks</mark> H @ 13.6 ppg, drop d displace per client ns,
Client Conta	ict							
Name	Voice	Fax	Email		Title	Com	bany N	otes
C. S. C. S.		California and an and a second						
Notes:								
TOC: 3200' \	volumes based	on 7.875" OH + 40%%	δXS					
Equipment: 5.1	1/2" HM and OC	(8RD and BTC), top :	and bottom	nluge was	hun hoses	mud hoepe v	vator hosos ai	rhoses D110
D047, B306				plugs, was	nup noses,	11100 110365, 1	vater noses, ar	110363, D110,
0047, 0000								
GET FIELD TI	CKET STAMPE	D.						
Directions:								
81 north to	o 60/64 fr	om this interse	ction co	ntinue	straight	on red hi	ll road 10	miles to HWY
					-			
		132, north on		Anthon	y kansa	s. in Ant	nony go 3	4 miles East
on HW/V	4 (east ma	ain street) to lo	cation					

	Materials		
Name	Description	Quantity	Density
GEL WATER	B306 GEL WATER	30.00 bbl	8.32 lb/gal
SINGLE SYSTEM SLURRY	326 SKS 50:50 POZ:H @ 13.60 PPG	472.70 ft3	13.60 lb/gal

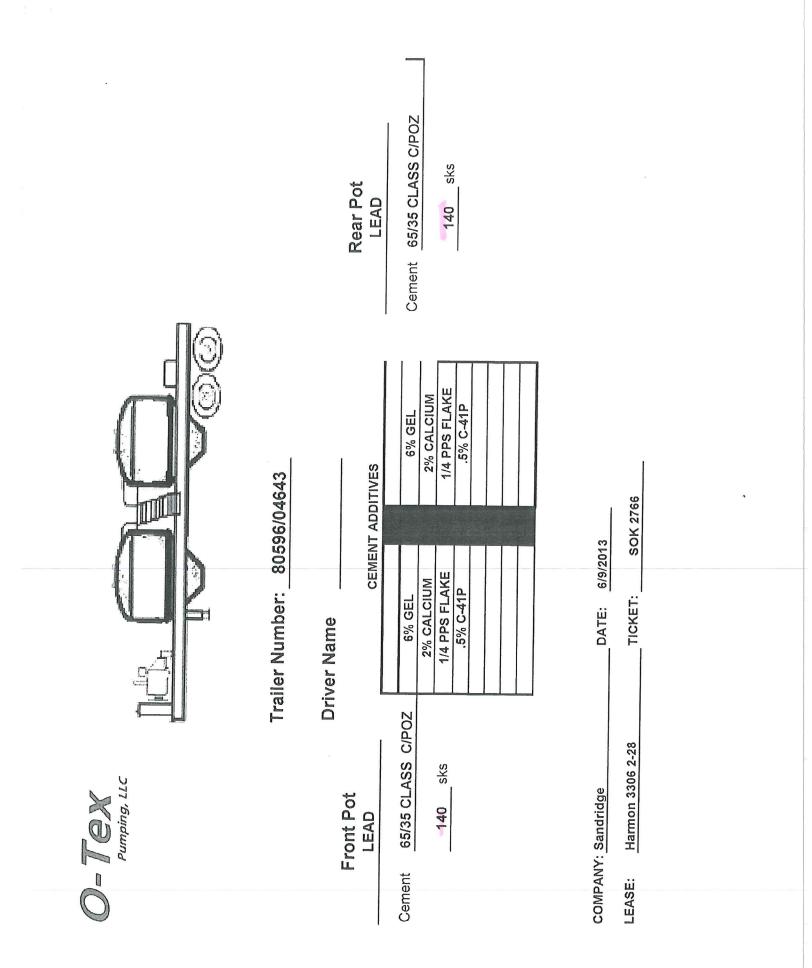
Fluid Systems:

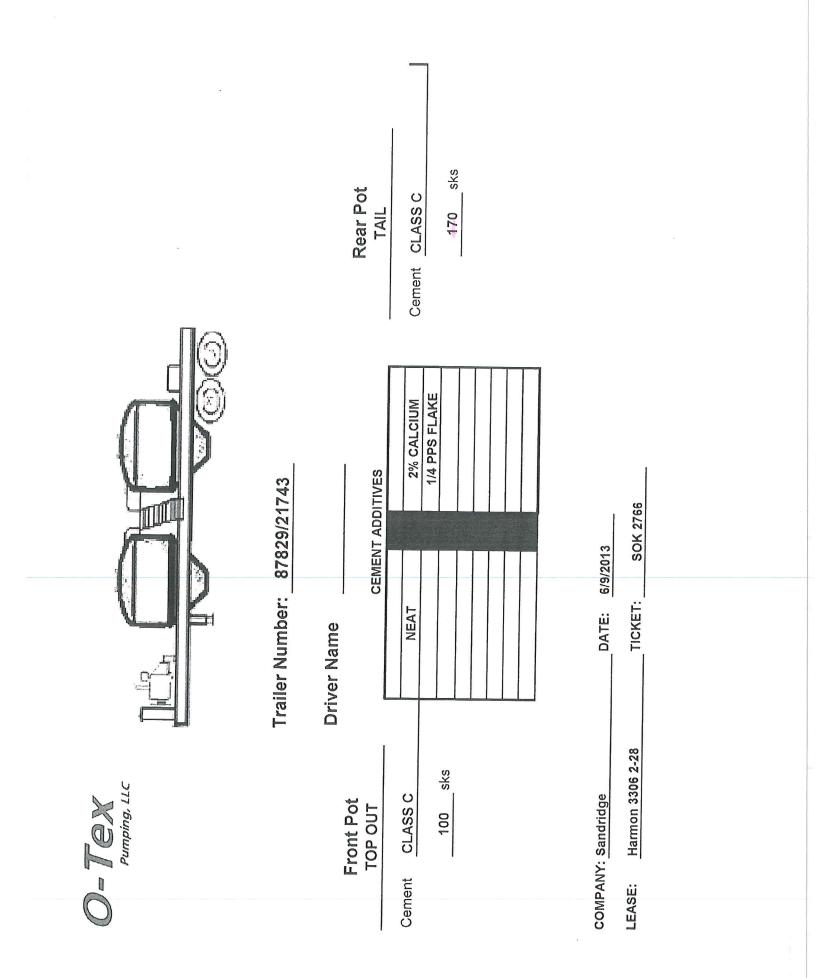
		· · · · · · · · · · · · · · · · · · ·	SEL WATER	
B306 GEL	WATER			
Final Fluid D	ensity:	8.32 lb/gal		
Volume:		30.00 bbl		
Code	Conc	Design	Total by design	Load out with excess
B306	0.200 gal/bbl	BVOWashVO	6.00 gal	6.00 gal

		SI	IGLE SYSTEM SLU	IRRY	
326 SKS 50:	50 POZ:H @	13.60 PPG			
Sacks Of:	Cement	Total Bi	end/Cem:	27,384.00	lb
Sack Weight:	84.00	lb Sacks E	Blend/Cem:	326.00	sks
Yield:	1.45	ft3/sk Final Fl	uid Density:	13.60	lb/gal
Mix Water:	6.85	gal/sk			
Code	Conc	Design	Total by desig	n	Load out with excess
D909	47.000 lb/sk	WTSK	WTSK 15,322.00 lb		15,322.00 lb
D035	37.000 lb/sk	WTSK	12,062.00 lb		12,062.00 lb
D020	4.000 %	BWOB	1,095.36 lb		1,095.36 lb
D112	0.600 %	BWOB	164.30 lb		164.30 lb
D065	0.100 %	BWOB	27.38 lb		27.38 lb
D042	2.000 lb/sk	WTSK	652.00 lb		652.00 lb
D079	0.200 %	BWOB	54.77 lb		54.77 lb
D974	2.000 lb/bbl	WTVOL	168.38 lb		168.38 lb

		A	OB SUM		V		PROJECT NUM	SER (2766	T	TICKET DATE	06/10/13	
COUNTY	Stale		COMPANY				CUSTOMER RE	ρ			00/10/13)
Harper LEASE NAME		Sas Wel No.	dridge Explor	ation &	Produ	IC	EMPLOYEE NA	Greg Ri	ver	a		
Harmon	3306 2	2-28	Surfac	e			State of the second second second second second	Johnny	Bre	eeze		
Johnny Breez	<u> </u>	10			<u> </u>							
Bryan Douglas					$\left - \right -$					The second second		
Roy Morris												
Wally Berry												
Form. Name		Type:			Calleo	1 Out	On Locatio	on I	Job	Started	Lloh C	ompleted
Packer Type		Set At		Date		/9/2013	6/9/2			6/10/2013		10/2013
Bottom Hole T Retainer Dept	h	Press Total I	Depth 707	Time	.	1200	1800			0816	1	000
	Tools and Acce	essorie	es				Well I	Data		0010		
Auto Fill Tube	nd Size Qi		Make IR	Casing		New/Used	d Weight 24#	Size Gr 8%"	ade	From Surface	To 708	Max. Allow 2,000
Insert Float Va	al O		IR	Liner			2-10	078	+	ounace	100	2,000
Centralizers Top Plug	0		IR IR	Liner				0	_			
HEAD	1		IR	Tubing Drill Pir		+			-+			
Limit clamp Weld-A	0		IR	Open H	lole			121/4"	-	Surface	700'	Shots/Ft.
Texas Pattern	Guide Shoe 0		IR IR	Perfora Perfora	tions				\rightarrow			
Cement Baske	Aterials		IR	Perfora	tions			<u> </u>				
Mud Type	WBM Den:	sity	9 Lb/Gal	Hours (Date		Hours	Operating Date	Hours Hours	5	C	ion of Job	
Disp. Fluid Spacer type	Fresh Water Dens resh Wate BBL.	sity	8.33 Lb/Gal 8.33	6/9 6/10		6.0 10.0	6/10	4.0		Surface		
Spacer type	BBL.	10		6/10		10.0			-			
Acid Type Acid Type	Gal Gal		%									
Surfactant	Gal.		In		+				-			
NE Agent Fluid Loss	Gal Gal/Lb		In In						_			
Gelling Agent	Gal/Lb		In						\neg			
Fric. Red. MISC.	Gal/Lb _ Gal/Lb		In	Total		16.0	Total	10				
			- ""	TULAI	L	10.0	Total	4.0		No.		
Perfpac Balls	(Qty.		МАХ	9	000 psi		essures	0			
Other							AVG. Average	20 Rates in I	BPM	1		
Other Other				MAX	(5 BPM	AVG					
Other				Feet		47	Reason			Т		
Stage Sacks	Cement		I	Additives	ement	Data				MIDE	Viala	I ha/Out
1 280	FEX Lite Premium F	lus 65	(6% Gel) 2% Calci	um Chlori	de - 1/4	pps Cello-F	lake5% C-	41P		W/Rq. 10.88	Yield 1.84	Lbs/Gal 12.70
2 170 3 *100	Premium Plus (Cla Premium Plus (Cla	ISS C)	2% Calcium Chlo	ride - ¼pp	s Cello	-Flake				6.32	1.32	14.80
100		<u></u>	278 Galcium Gine	nue on si	ue to u	se il neces	sary	-		*6.32	*1.32	*14.8
Preflush	Т	vpe:		Sun	imary Pre	eflush:	BBI	10.0	00	Type:	Fresh	Water
Breakdown	N	AXIM		000 psi	Lo	ad & Bkdn:	Gal - BBI	N/A	4	Pad:Bbl -	Gal	N/A
	Α	ctual	TOC S	IO/FULL		cess /Retu lc. TOC:	rn BBI	60 SURF/		Calc.Dist Actual Di		42 42.03
Average	in E	lump F 0 Min	Plug PSI:	900	Fin	al Circ.	PSI:	300)	Disp:Bbl		
	····· /	U IVIII I	15 IVII	·		ment Slurn al Volume	V: BBI	131. 183.7				
									Т			
CUSTON	ER REPRESEN	T A T !!	"Λ	1			60					
CUSION	ER REPRESEN			Y			SIGNATURE	parte				
			D									

			-	JOB LOG	2	PROJECT NUMBER SOK 2766	TICKET DATE
COMPANY			COUNT			SOK 2766	06/10/13
Sandridge	Exploration					Kansas	COUNTY Harper
Harmon	3306 2	-28		OYEE NAME		CUSTOMER REP	
FIELD Stohrvil			SEC / T	mny Breeze	and the second	Greg Rivera	
APIANVI #			JOB PU	BISION .		#REF!	
15-077-2	21935-0	1-00		face		Oil & Gas	
				TT			
	Time	Rate	Volume	e Pres	s.(PSI)	Jah D	
		(BPM)	(BBL)(GAL)	CSG.	Tbg	200 00	escription / Remarks
6/9/2013	1530					TIME AR	RIVED IN YARD
	1535						the second se
	1600				1		duty meeting ocation from yard!
	1800						i on location
	1805			1 1	1		
	1815			1-1	<u>├</u> ──┤─		ty meeting
6/10/2013	0816		_	1 1	2000		Rig up
	0821	4.5	10.0	10	2000	iest pu	mp and lines
	0824	4.5	91.8	100	<u>├</u>	Pump	H2O spacer
	0850	4.5	40.0	100		Pump lead s	slurry @ 12.4ppg
	0904					Pump tail s	lurry @ 14.8ppg
	0907	4.0	32.0	300			wn drop plug
1	0916	2.0	10.0	300			splacement
	0920			900			o land plug
	0924						nd plug
	0930		1				oats (HELD)
	1000						down
						Job (complete
			1				
			<u>├</u> }				
						SUPERVISO	RSIGNITURE
umped F			PSI ON	CEMENT		X_U	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Plug	Psi	Held	CSG	SURFACE		1 A	
YES	300	YES	900.0	60			





80.850	Total Water Volume (gal)*:
4,874	True Vertical Depth (TVD):
Oil	Production Type:
unde some storate forte en er an er her andere er an er a Generale som er an er	Long/Lat Projection:
	Latitude:
	Longitude:
Harmon 3306 2-28	Well Name and Number:
Sandridge Energy	Operator Name:
	API Number:
Harper County	County:
Kansas	State:
7/25/2013	Fracture Date

Hydraulic Fracturing Fluid Composition:

				Chomical Alectro	Maximum	Maximum	
Trade Name	Supplier	Purnose	Indredients	Service Number	Concentration	Concentration	Commente
				(CAS #)	in Additive	in HF Fluid	8
					(% by mass)**	(% by mass)**	
Water	APC	Carrier / Base Fluid	Water	7732-18-5	100.00%	95.34153%	
Sand (Proppant) Ibs CJES	CJES	Proppant	Silica Substrate		100.00%	4.23933%	
pH-23	Economy	Low pH Buffer	Acetic Acid	64-19-7	60.00000%	0.00000%	
pH-25	Economy	High pH Buffer	Potassium Hydroxide	1310-58-3	15.00000%	0.00000%	
pH-29	Economy	High pH Buffer	Sodium Hydroxide	1310-73-2	25.00000%	0.00000%	
BR-31	Economy	Sodium Persulfate	Peroxydisulfuric Acid Disodium Salt	7775-27-1	100.00%	0.00000%	
BR-32	Economy	Gel Breaker		N/A	80.00%	0.00000%	
BR-33	Economy	Gel Breaker	ESTER	N/A	80.00%	0.00000%	
BR-34	Economy	Encapsulated Persulfate Ammonium Persulfate	Ammonium Persulfate	7727-54-0	60.00000%	0.00000%	
BR-37	Economy	Low Temp Oxicizing Breacalcium Peroxide	Calcium Peroxide	1305-79-9	30.00000%	0.00000%	
BR-38	Economy	High Temp Oxidizing Bre Magnesium Peroxide	Magnesium Peroxide	1335-26-8	30.00%	0.00000%	
Gelbreak-EL2X	Economy	Liquid Enzyme Breaker	Cellulase Enzyme	Mixture	100.00%	0.00000%	
Bio Break 1000	Shrieve	High Temp Gel Breaker	Sodium Chloride	7647-14-5	25.00%	0.00000%	
Bio Break 2000	Shrieve	High Temp Gel Breaker	Sodium Chloride	7647-14-5	25.00000%	0.00000%	
Cat-10	Economy	Breaker Catalyst	Proprietary	N/A	100.00%	0.00000%	
Claymax	Economy	Clay Stabilizer	Proprietary	Mixture	100.00%	0.08406%	
Poly CS39	Poly	Clay Stabilizer	Proprietary	UNK	40.00%	0.02425%	
XL-3	Economy	Borate Crosslink Acceler Potassium Hydroxide		1310-73-2	25.00000%	0.00000%	
XL-4	Economy			Mixture	45.00%	0.00000%	
XL-5	Economy	Zirconate Crosslinker	Zirconium Complex	N/A	60.00000%	0.00000%	
XL-6	Economy	Primary Zirconate Cross Zirconium Complex	Zirconium Complex	N/A	30.00%	0.00000%	
XL-7	Economy	Primary Borate Crosslink	Distillate Blend	N/A	60.00000%	0.00000%	
GS-101	Economy			Mixture	100.00%	0.00000%	
MCG-1	Economy	ling Agent	Polysaccharide Blend	N/A	60.00000%	0.00000%	
NGC-4	Economy	Gelling Agent	Petroleum Distillate Blend	64742-47-8	60.00%	0.00000%	
NGC-4B	Benchmark	Gelling Agent	Petroleum Distillate Blend	64742-47-8	55.00000%	0.00000%	
0GC-7	Economy	Gelling Agent	Petroleum Distillate Blend	NA	60.00%	0.00000%	
SUAG-1	Economy	Acid Gellant	Methanol	67-56-1	100.00%	0.00000%	

					Maximum	Maximum	
				Chemical Abstract	Ingredient	Ingredient	
Trade Name	Supplier	Purpose	Ingredients	Service Number (CAS #)	Concentration in Additive	Concentration in HF Fluid	Comments
				1.2	(% by mass)**	(% by mass)**	
SU-15	Economy	Surfactant	Methanol	67-56-1	70.00%	0.11899%	
SU-14	Economy	Microemulsifier	Ethyleneglycol Monobutyl Ether	111-76-2	60.00000%	0.00000%	
B-648L	Economy	Biocide	Sodium Hydroxide	Blend	100.00%	0.00000%	
Bioguard 4450	Bioguard	Biocide	Sodium Hydroxide	7173-51-5	100.00%	0.02948%	
FM-1	Economy	Foamer	Surfactants	Mixture	100.00%	0.00000%	
FR-1	Economy	Friction Reducer	Petroleum Distillate	Proprietary	100.00%	0.07500%	
FR-2	Economy	Friction Reducer	Petroleum Distillate	Proprietary	100.00%	0.00000%	
SI-W1000	Economy	Scale Inhibitor	Proprietary	Mixture	100.00%	0.00000%	
ICSI-4376	Economy	Scale Inhibitor	Proprietary	Mixture	100.00%	0.00000%	
ICA-1	Economy	Iron Control Agent	Hydrochloric Acid	7647-01-0	40.00000%	0.00000%	
AA80	Economy	Iron Control Agent	Hydrochloric Acid	Mixture	100.00%	0.00000%	
CI-1	Economy	Acid Corrosion Inhibitor	Methanol	67-56-1	100.00%	0.00000%	
AS-3	Economy	Antisludging Agent	Diethanolamide	N/A	80.00%	0.00000%	
Acid, Hydrochloric (1		Acidizining	Hydrochloric Acid	7647-01-0	15.00000%	0.00000%	
Superset W	Santrol	Resin Activator	Methyl Alcohol	67-56-1	50.00%	0.00000%	
AcTivator	Momentive	Resin Activator	Alcohols, C12-14-Secondary, Ethoxyla 84133-50-6	'la 84133-50-6	60.00000%	0.00000%	
* Total Water Volum	te sources may	y include fresh water, proc	* Total Water Volume sources may include fresh water, produced water, and/or recycled water ** Information is based on the maximum potential for concentration and thus the total may be over 100%	- 100%			
All component infor	mation listed w	as obtained from the sup	All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete	SDS). As such, the Operato	or is not responsible for	or inaccurate and/or i	ncomplete
information. Any qu	lestions regard	ling the content of the MS	information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA)	who provided it. The Occur	pational Safety and H	lealth Administration's	s (OSHA)
criteria for how this	information is n	renorted on an MSDS is su	regulations govern the criteria for the disclosure of this information. Flease hole that Federal Law protects criteria for how this information is reported on an MSDS is subject to 20 CFR 1010 1200/() and Appendix D	protects proprietary , trad-	le seciei , ailu collic		
			ander 10 23 CI IV 13 10. 1200(1) alla VD				

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

October 18, 2013

Wanda Ledbetter SandRidge Exploration and Production LLC 123 ROBERT S. KERR AVE OKLAHOMA CITY, OK 73102-6406

Re: ACO1 API 15-077-21935-00-00 Harmon 3306 2-28 NE/4 Sec.28-33S-06W Harper County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Wanda Ledbetter

SOK 2766	Job Type Surface Serv. Sup. Johnny Breeze Page 1of 1	232319A-Double 0 NFT	\$178.92 \$307.44 \$1,350.51 \$700.43 \$700.43 \$856.22 \$3,822.39 \$0.00 \$0.00 \$653.40 \$663.40 \$663.40 \$663.40 \$663.74 \$167.37 \$167.37 \$169.50 \$169.50 \$169.50	\$18,491.08 2-28
Project Number:	JOB TYPE CASING SIZE		\$247.08 \$424.56 \$1,864.99 \$967.27 \$1,182.39 \$2,058.21 \$653.40 \$22,058.21 \$5,880.60 \$2,058.69 \$5,880.60 \$2,058.69 \$5,880.60 \$2,000 \$3,923.00 \$3,923.00 \$2,460.92 \$3,923.00 \$2,460.92 \$3,923.00 \$2,460.92 \$3,923.00 \$2,460.92 \$3,923.00 \$2,460.92 \$3,923.00 \$2,460.92 \$3,923.00 \$2,460.92 \$3,923.00 \$2,460.92 \$3,923.00 \$2,460.92 \$3,923.00 \$2,470.19 \$3,923.00 \$2,470.19 \$3,923.00 \$2,470.19 \$3,923.00 \$2,470.19 \$3,923.00 \$2,660.92 \$3,923.00 \$2,660.92 \$3,923.00 \$2,660.92 \$3,923.00 \$2,660.92 \$3,923.00 \$2,660.92 \$3,923.00 \$2,660.92 \$3,923.00 \$2,660.92 \$3,923.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,923.00 \$2,660.92 \$3,923.00 \$2,660.92 \$3,923.00 \$2,000 \$2,660.92 \$3,923.00 \$2,660.92 \$3,923.00 \$2,660.92 \$3,923.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92 \$3,900.00 \$2,660.92	\$23,599.35 23 599.35 23 0 L
		%DISC	58% 58% 58% 58% 58% 58% 58% 58% 58% 47% 47% 47% 47% 60% 0%	BAGENT. BAGENT. BACENT. BACENT. BACENT. BACENT. BACENT. BACENT.
IEPT 27	Harmon 3306 2-28 Harper Kansas 15-077-21935-01-00 DC12973	GROSS	\$426.00 \$732.00 \$732.00 \$73.667.70 \$2,038.61 \$5,5340 \$5,5340 \$5,53400 \$5,53400 \$5,53400 \$1,437.48 \$1,176.12 \$6,53400 \$1,437.49 \$1,176.12 \$6,53400 \$1,176.12 \$1,535.00 \$1,176.12 \$1,535.00 \$1,176.12 \$1,633.50 \$1,176.12 \$1,236.00 \$1,437.49 \$1,176.12 \$1,437.49 \$1,437.40 \$1,437.49 \$1,437.49 \$1,437.49 \$1,437.49 \$1,437.49 \$1,437.40 \$1,437.49 \$1,437.40 \$1,437.40 \$1,437.40 \$1,437.40 \$1,437.40 \$1,437.40 \$1,437.40 \$1,437.40 \$1,437.40 \$1,437.40 \$1,437.40 \$1,437.40 \$1,437.40 \$1,437.40 \$1,447.40 \$1,407.40\$\$1,407.40\$	\$42,090.43 AS CUSTOMERS AFE: Well: Code: Co Man:
FIELD RECIEPT 580-227-2727	Har 15-077 D	QUAN	1,00.0 5,10.0 5,10.0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,	THE SAME A
FIE Phone number	Well Name: Well Number: County: State: API # AFE # PERMIT #	UNIT PRICE	 4.26 5.327 5.327 5.3269 5.3269 5.3266 5.3366 5.3356 5.420 5.540 5.542 	JTHORIZED TO SIGN
		U OF MEAS.	per mile/ per Unit per Ton-Mile per Cuff. (per 4 hrs) per unit per Job per Job per Job per Job per hose per Sk per Sk	ESENT THAT I AM AI
<i>Pumping LLC</i> ation Fairview, Oklahoma ress Rt 1 Box 51 73737	6/10/2013 Sandridge Exploration & Production Greg Rivera 832-518-4175	DESCRIPTION	Pump Truck/Heavy Vehicle Mileage Bulk Cement Delivery/Return Bulk Material Mixing Service Charge Pump Charge 0-1000' Pump Charge 0-1000' Pump Charge 4dditional Hours Fuel Surcharge * Environmental Fee* Employee/Supervisor Retention/perdiem Data Acquisition System Cement Head with manifold Circulating hose (replacement) Circulating hose (replacement) Circulating hose (replacement) 85/8" Top Rubber Plug O-TEX Lite with Premium Plus(65/35/6) C (Premium Plus Cement) (94 lbs/ft3) Cello Flake Calcium Chloride CF-41 (Foam Preventer) CF-41P (Powder Defoamer) Sugar	I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMERS AGENT Customer Authorized Agent: AFE: 2
<i>O- Tex Pun</i> Service Location Service Address	Service Date: Customer Address: City St Customer Rep Phone	REF # ML001	ML002 ML003 MX001 CC001 CC015 CC015 AE001 AE003 AE002 AE003 CP000 CP001 CP010 CP013 CP033 CP033 CP033	I HAVE READ AND UNDEF Customer Authorized Agent:

(1111) 25

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner Sam Brownback, Governor

October 24, 2013

Wanda Ledbetter SandRidge Exploration and Production LLC 123 ROBERT S. KERR AVE OKLAHOMA CITY, OK 73102-6406

Re: ACO-1 API 15-077-21935-00-00 Harmon 3306 2-28 NE/4 Sec.28-33S-06W Harper County, Kansas

Dear Wanda Ledbetter:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 6/2/2013 and the ACO-1 was received on October 18, 2013 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department