Confidentiality Requested:

CORRECTION #1

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1161279

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.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:         Total Vertical Depth:       Plug Back Total Depth:         Amount of Surface Pipe Set and Cemented at:       Feet		
Gas D&A ENHR SIGW			
OG GSW Temp. Abd. CM (Coal Bed Methane)			
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? Yes No		
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 #:	Location of fluid disposal if hauled offsite:		
ENHR Permit #:	Operator Name:		
GSW Permit #:	Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp S. R East _ West		
Spud Date orDate Reached TDCompletion Date orRecompletion DateRecompletion 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 Approved by: Date:						

# 

1161279

Operator Nar	me:			_ Lease Name: _	 	Well #:	
Sec	Twp	S. R	East West	County:	 		

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	pots)	Yes No		.og Formatio	n (Top), Depth an	d Datum	Sample
Samples Sent to Geolog	,	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING		w Used			
		Report all strings set-			on, 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	JEEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Pe	ercent Additives	
Protect Casing Plug Back TD							
Plug Off Zone							
Did you perform a hydraulic	fracturing treatment of	n this well?		Yes	No (If No, skip	o questions 2 an	
Does the volume of the tota			ceed 350,000 gallons			o question 3)	

Yes

No

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

Depth

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated			Acid,	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD of		oducing Method:	Gas Lift	Other (Explain)		

Estimated Production Per 24 Hours	Oil Bb	ls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF G	GAS:			METHOD	OF COMPLETION:		PRODUCTION INTER	VAL:
Vented Sold	Used on Lease		Open Hole	Perf.	Dually Comp. (Submit ACO-5)	Commingled (Submit ACO-4)		
(If vented, Submit ACO-18.)			Other (Specify)		. ,	. ,		

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Pamela 2330 1-34 RE
Doc ID	1161279

All Electric Logs Run

Array Compensated True Resistivity
Compensated Spectral Natural Gamma Log
Micro Log
Dual Spaced Neutron Density
CBL

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Pamela 2330 1-34 RE
Doc ID	1161279

### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
2	4856 - 4864	CIBP w/2sks cement on top	4920
2	4834 - 4840	CIBP /w s sks cement on top	4590
2	4723 - 4727	CIBP w/ sks cement on top	4370
2	4701 - 4705		
2	4680 - 4684		
2	4644 - 4648		
2	4613 - 4616		
2	5005 - 5013	Frac	
2	4981 - 4988		
2	4963 - 4966		

### Summary of Changes

Lease Name and Number: Pamela 2330 1-34 RE API/Permit #: 15-055-21942-00-01 Doc ID: 1161279 Correction Number: 1 Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Additional Type And Percent Additive		60/40 poz
Additional Type And Percent Additive		60/40 poz
Approved Date	07/19/2013	10/04/2013
Cementing Purpose Plug Off Zone	No	Yes
CementingDepth1_PDF	-	1000-2057
CementingDepth2_PDF	-	0-958
CementingDepthBase1		2057
CementingDepthBase2		958
CementingDepthTop1		1000
CementingDepthTop2		0

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Number Of Sacks Used for Cementing /		100
Squeezing- Line 1 Number Of Sacks Used for Cementing /		100
Squeezing- Line 2 Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=11 51846	//kcc/detail/operatorE ditDetail.cfm?docID=11 61279
Type Of Cement Used for Cementing /		60/40
Squeezing - Line 1 Type Of Cement Used for Cementing /		60/40
Squeezing - Line 2 Well Type	OIL	DH



CONFIDENTIAL WELL COMPLETION FORM

1151846

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

## WELL COMPLETION FORM

NELL	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 Fast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
	Field Name:
Wellsite Geologist:	
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?
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 Fluid Menogeneet Dien
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	Chloride content: ppm Fluid volume: bbls
Conv. to GSW	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	
SWD Permit #:	Lease Name: License #:
ENHR         Permit #:	Quarter Sec TwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or 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:
ALT I II III Approved by: Date:

#### KOLAR Document ID: 1151846

Operator Nam	ne:			Lease Name:	Well #:
Sec	Twp	S. R	East West	County:	

Page Two

**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 Ctom Tooto Tol	kan						og Eormotio	n (Tan) Danth a	nd Datum			
Drill Stem Tests Tak (Attach Addition				Yes 🔄 No			-	n (Top), Depth a		Sample		
Samples Sent to G	ieological S	Survey		Yes 🗌 No		Nam	e		Тор	Datum		
	-			Yes No Yes No Yes No								
			Rej	CASING port all strings set-c		Ne e, inte		on, etc.				
Electric Log Run Geologist Report / Mud Logs List All E. Logs Run: Purpose of String Size Hole Drilled Purpose: Depth Perforate Protect Casing Plug Back TD Plug Off Zone 1. Did you perform a hydraulic fracturing tr 2. Does the volume of the total base fluid of 3. Was the hydraulic fracturing treatment in Date of first Production/Injection or Resum Injection: Estimated Production Per 24 Hours Oil DISPOSITION OF GAS:				Size Casing let (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives		
ADDITIONAL CEMENTING / SQUEEZE RECORD												
Top Bottom			Тур	be of Cement	# Sacks Use	ed		Type and	Percent Additives	dditives		
Protect Casin												
Plug Off Zone	e											
2. Does the volume o	of the total ba	ase fluid of the h	nydraulic	fracturing treatment		-		No (If No, s	kip questions 2 ar kip question 3) Il out Page Three			
	on/Injection	or Resumed Pro	oduction/	Producing Meth	od:		Gas Lift 🗌 O	ther <i>(Explain)</i>				
	n	Oil E	3bls.	Gas	Mcf	Wate	Gravity					
DISPOS	ITION OF G	iAS:		N	IETHOD OF CO	MPLE	TION:		PRODUCTION INTERVAL:			
	Sold U	Jsed on Lease -18.)		Open Hole		Dually Comp. Comming (Submit ACO-5) (Submit ACO			Тор	Bottom		
· · · · · · · · · · · · · · · · · · ·			tion	Bridge Plug	Bridge Plug		Acid	Fracture, Shot, Ce	menting Squeeze	Becord		
		Botto		Туре	Set At	-			d of Material Used)			
						-						
						-						
TUBING RECORD:	Siz	:e:	Set At	:	Packer At:							

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Pamela 2330 1-34 RE
Doc ID	1151846

All Electric Logs Run

Array Compensated True Resistivity
Compensated Spectral Natural Gamma Log
Micro Log
Dual Spaced Neutron Density
CBL

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Pamela 2330 1-34 RE
Doc ID	1151846

### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
2	4856 - 4864	See Attachments	
2	4834 - 4840		
2	4723 - 4727		
2	4701 - 4705		
2	4680 - 4684		
2	4644 - 4648		
2	4613 - 4616		
2	5005 - 5013	Frac	
2	4981 - 4988		
2	4963 - 4966		

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Pamela 2330 1-34 RE
Doc ID	1151846

## Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Production	7.875	5.5	17	5200	Econocem	see attached report

RECEIVED

HALLIBURTON

APR 26 2013

# **Cementing Job Summary**

0.117 "	0050	~				e Road t						th Safe	ety								
Sold To #:						<b>:</b> 29912		GE		uote			_		Sal	es (	Order	#: 90	036	5586	
Customer:				RGY	INC E					usto	mer	Rep: .	, Ro								
Well Name	: Pan	nela 23						-	34 RE					API/L			5-055-2		2		
Field:			Cit Cl7	-	<b>P):</b> G	SARDEN		Co	County/Parish: Finney					Sta	ite:	Kansa	S				
Legal Desc	riptic	on: Sea	ction 34	Tow																	
Contractor	: Tor	ncat				<b>Rig/Plat</b>	lform	Na	ame/Nu	ım:	3										
Job Purpo	se: C	Cement	Produc	ction (	Casin	g															
Well Type:	Deve	elopme	nt Well			Job Typ	be: C	em	ent Pro	duc	tion (	Casing									
Sales Pers	on: F	RENC	H, JER	EMY		Srvc Su							N	MBU ID	Emp	#:	44212	3			
									b Perso												
HES Em	p Nar	ne l	Exp Hrs	Em	p #	HES	Emp	Na	me	Exp	Hrs	Emp	#	HES	Emp	Nam	ne	Expl	Irs	Emp#	
AGUILERA J		BIAN	12	4421	23	HEIDT, Nicholas		S		12		517102		MENDOZ				12		442596	
WILTSHIR MERSHEK		•	7	1958	311																
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HES Unit #	Dis	stance-	1 way	HES	Unit #	# Dista	ince-1	1 wa	ay H	IES	Unit a	# Dis	tano	ce-1 way	HE	S U	nit #	Dis	tanc	e-1 way	
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Date		Locatio Hours		oeratii Hours	_	Date		On	Locatio Hours		-	erating lours		Date					-	Operating	
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Job depth M	D	5	5439. ft		Job D	epth TVD		5439. fl	t J	Job Started			19 - Apr - 201		013 12:4		6		CST		
Nater Depth					Nk Ht	Above F	loor		19. ft	J	lob C	omplet	ed	19 - Apr - 2013		13				CST	
Perforation	Depth	(MD)F	rom		То						Depar	ted Loo	3	19 - Apı	Apr - 2013		20:0	0	3	CST	
								V	Nell Da	ita											
Descripti	on	New / Used	Max press psig	ure	Size in	ID in	Weig Ibm		1			G	rade Top MD ft		D	Botton MD ft	Т	op /D ft	Bottom TVD ft		
8.75" Open I	lole					8.75									346.		5200.				
5.5" Product Casing		Unknow n	v		5.5	4.892	17.	•		LJ	ГС		L	-80	•		5200.				
8.625" Surfa Casing	ce	Unknow n	v	8	.625	7.921	32.			Unkr	nown						346.				
							Tool	s a	nd Acc	ess	ories	S									
Туре	Size	Qty	Make	Dept		Туре	Siz	e	Qty	Ma	ake	Depth		Туре		Si	ze	Qty	1	Make	
<b>Buide Shoe</b>						cker								p Plug							
loat Shoe						dge Plug								ttom Plug	-						
loat Collar					Ret	tainer							-	R plug se							
nsert Float								_	14					ig Contai							
stage Tool			est and the states	(). Server () Les	100 Frence L			0.000	$\mathcal{L}_{n}^{(n)} = \int d(x^{n}(x, y)) d(x)$	1.0	1900-2004		Ce	ntralizers	12 5 16 55 5	e are	M-205,82 (a.*.)	di Kalandaria	ag state	and an and the state	
		1993年19月1日				CARD-Z CARDANTS	CONCERCION OF	- 1 - E	neous	Mat	State of the second	10000034-0-012000-0									
Belling Agt	4		Cor		_	Surfa					Con		_	id Type			Qty			onc %	
Treatment Fld			Cor	nc Inhibitor					Conc			Sa	Sand Type			Size		Q	ty		

Stage/Plug #: 1

Fluid Data

# **Cementing Job Summary**

Fluid #	Stage Type		Fluid Na	me	-	Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Fluid Gal/s		Total Mix Fluid Gal/s			
1	Rig Supplied Gel Spacer					30.00	bbl	8.5	.0	.0	.0				
2	Lead Cemen	ECON	OCEM (TM) SYS	TEM (4529	992)	600.0	sacks	12.	2.23	12.37		12.37			
	3 %	CAL-SI	EAL 60, 50 LB B/	AG (10121)	7146)	11									
	6 %	BENTO	ONITE, BULK (10	0003682)											
	0.1 %	WG-17	7, 50 LB SK (1000	003623)											
	0.3 %	HALAD	D(R)-9, 50 LB (10	0001617)								5			
	12.371 Gal	FRESH	WATER												
3	Tail Cement	ECON	OCEM (TM) SYS	TEM (4529	992)	350.0	sacks	13.6	1.5	6.76		6.76			
	5 lbm	KOL-S	KOL-SEAL, BULK (100064233)												
	0.25 %	SA-101	SA-1015, 50 LB SACK (102077046)												
	0.2 %	CFR-3,	R-3, W/O DEFOAMER, 50 LB SK (100003653)												
	6.756 Gal	FRESH	WATER												
4	Displacemen	t					bbl	8.33	.0	.0	.0				
5	Second Stag	e ECON	OCEM (TM) SYS	TEM (4529	92)	275.0	sacks	12.	2.23	12.37		12.37			
	Lead Cement 3 %		EAL 60, 50 LB BA	7146)					1						
	6 %		DNITE, BULK (10	· · · · · · · · · · · · · · · · · · ·	/ 140)										
	0.1 %		, 50 LB SK (100												
	0.3 %		)(R)-9, 50 LB (100												
	12.371 Gal		WATER	0001017)											
Ca	Iculated Val		Pressure	e and a second				v	olumes			$z_{3,\ldots,2} (z_{3}) = \beta^{n-1}$			
and the second second	cement	Service and the service states of	ut In: Instant		Lost Re	eturns		Cement S	Franklinger-Africans -		Pad				
	Cement	5 N				t Returns	-	Actual Di		ent	Treatr	nent			
	radient		Min		Spacer		·	Load and			Total				
					111 11 10 10 10 10 10 10 10 10 10 10 10	ates									
Circu	ating		Mixing	20105400023415-2		Displac	ement		Seren and a series of a	Avg.	Job	1997 N. B. (1999 NO. 1999 NO.			
Cem	ent Left In Pip	e Amour	nt 42 ft Reas	on Shoe	Joint										
Frac F	Ring # 1 @	ID	Frac ring # 2 @	D ID	)	Frac Rin	g # 3 @	11	2	Frac Rir	ig #4@	ID			
Th	e Informati	on Stated	d Herein Is Co	orrect	Custom	ier Represe	entative Sig	gnature							

# **Cementing Job Log**

			xcellend	e Starts	with Saf	fety		
	Ship To #: 299		G	uote #:			Sales	Order #: 900365586
Customer: SANDRIDGE ENER	RGY INC EBUSI	NESS	C	ustome	r Rep: ., I	Roland		
Well Name: Pamela 2330			: 1-34 RI	E		API	/UWI #: '	15-055-21942
			-	<b>arish:</b> Fi	nney		State:	Kansas
Legal Description: Section 34	Township 23S	Range 3	0VV					
Lat: N 0 deg. OR N 0 deg. 0 m	in. 0 secs.		L	ong: E 0	deg. OF	R E 0 deg	. 0 min. (	) secs.
Contractor: Tomcat	Rig/P	latform	Name/N	um: 3				
Job Purpose: Cement Product	ion Casing					Ticket	Amount:	
Well Type: Development Well				oduction				
Sales Person: FRENCH, JERE	MY Srvc S	Supervis	sor: AGL	JILERA,	FABIAN	MBU IC	) Emp #:	442123
Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl		Pressure psig		Comments
		#		Stage	Total	Tubing	Casing	
Call Out	04/18/2013 23:00							CREW CALLED OUT FOR SAMSON LONESTAR, DAVIS 64 SL-6H, 9 5/8 MULTI- STAGE SURFACE
Pre-Convoy Safety Meeting	04/19/2013 04:00							DISCUSSED ALL POTENTIAL ROAD HAZARDS WITH HES CREW
Crew Leave Yard	04/19/2013 04:30							CALL IN JOURNEY MANAGEMENT, IN ROUTE TO SAMSON LONESTAR, DAVIS 64L- 6H
Arrive At Loc	04/19/2013 06:30							ARRIVE AT LOCATION
Assessment Of Location Safety Meeting	04/19/2013 06:45							ASSESSED THE LOCATION, SPOT IN EQUIPMENT, WATER TESTED GOOD, GOT WITH CM AND WENT OVER JOB DEPTH AND NUMBERS, CM USING 3RD PARTY DV TOOL FOR JOB ALSO, AT THIS TIME CASING CREW IS RUNNING CASING DOWNHOLE, HAVE RETURNS
Pre-Rig Up Safety Meeting	04/19/2013 06:50							DISCUSSED ALL POTENTIAL HAZARDS AND PINCH POINTS WITH HES CREW

# **Cementing Job Log**

		#		Stage	Total	Tubing	Casing	
Drop Top Plug	04/19/2013 14:15							DROP 3RD PARTY (WEATHERFORD) DART PLUG
Pump Displacement	04/19/2013 14:16		6	125			100.0	PUMP DISPLACEMENT OF 125 BBL OF FW
Slow Rate	04/19/2013 14:19	-	3		20		-50.0	SLOW RATE TO 3 BPM FOR 3RD PARTY PLUG TO PASS THROUGH DV TOOL AT 20 BBL GONE, NEED 30 BBL FOR PLUG TO PASS THROUGH DV TOOL
Resume	04/19/2013 14:20		6		35	-	20.0	RESUME UP TO 5 BPM TO FINISH DISPLACEMENT
Displ Reached Cmnt	04/19/2013 14:25		6		40		220.0	DISPLACEMENT REACH CEMENT AT 40 BBL AT 220 PSI
Slow Rate	04/19/2013 14:35		3		115		1215. 0	SLOW RATE TO 3 BPM WITH 115 BBL GONE TO BUMP PLUG
Bump Plug	04/19/2013 14:43		3		125		1400. 0	BUMP PLUG AT 1400 PSI
Check Floats	04/19/2013 14:44						1910. 0	FLOATS HELD GOOD, RELEASE PRESSURE AND GOT BACK 1 BBL
Other	04/19/2013 15:00							AT THIS TIME 3RD PARTY TOOL SPECIALIST WILL DROP OPENING TOOL PER CM REQUESTS, WAIT 10 MINUTES FOR TOOL TO DROP AND THEN RESUME TO PRESSURE UP ON TOOL TO OPEN DV TOOL
Resume	04/19/2013 15:08					-		RESUME TO PUMP ON OPENING TOOL TO OPEN DV TOOL AT ? PSI WITH ? BBL GONE, CM REQUESTED AFTER DV TOOL IS OPEN TO CIRCULATE FOR 2 1/2 HOURS BEFORE PUMPING 2ND STAGE JOB
Pump Cement	04/19/2013 16:35		5	109			197.0	PUMP CEMENT = 275 SKS = 109 BBL @ 12#

Sold To #: 305021

# **Cementing Job Log**

Activity Description	Date/Time	Cht	Rate bbl/ min	Volume bbl		Pressure psig		Comments
		#		Stage	Total	Tubing	Casing	
Drop Plug	04/19/2013 16:58		5		109		240.0	DROP 3RD PARTY (WEATHFORD) CLOSING TOP PLUG // End Cement
Pump Displacement	04/19/2013 17:01		4	30			90.0	PUMP DISPLACEMENT 30 BBL OF (FW)
Displ Reached Cmnt	04/19/2013 17:05		4	14			168.0	
Slow Rate	04/19/2013 17:08		2		20		200.0	SLOW RATE 3 BPM WITH 20 BBL GONE
Bump Plug	04/19/2013 17:14		2		30		2335. 0	Close MSC /// 330 PSI Before Landing Plug
Check Floats	04/19/2013 17:17							FLOATS HELD GOOD, RELEASE PRESSURE AND GOT BACK 1/2 BBL
End Job	04/19/2013 17:18							



**Fracturing Post Job Report** 

# Sandridge Energy

Pamela 2330 1-34RE Sec 34-23 S-30W Finney County, Ks

Prepared For: Mr. Kevin Thompson

Prepared By: Austin Orgain, Field Engineer Weatherford Fracturing Technologies June 12, 2013

Mr. Kevin Thompson, Sandridge Energy

Mr. Kevin Thompson,

Enclosed is a comprehensive fracturing post job report for the Pamela 2330 1-34 RE. The fracturing treatments were performed 6/10/11 - 6/11/13. Included in the report are the real time data information which incorporates treatment plots, location QA/QC and laboratory analysis. The treatments were pumped with the following data recorded below.

Stg #	PAD		Slurry		Prop	Press	s Rate FG		Flush	
#	gal	bbls	gal	bbl	#'s	psi	bpm		gal	bbl
1	6,720	160	2,394	57	1,477	2,793	20	0.62	1,512	36
2	12,726	303	27,636	658	46,843	2,397	20	0.65	1,134	27
Total	19,446	463	30,030	715	48,320				2,646	63

Weatherford Fracturing Technologies appreciates the opportunity to provide stimulation services on this well. Please contact me if you have any questions or comments.

Sincerely, C. R. Williams District Engineer III Weatherford Fracturing Technologies Office 580-256-2608 Cell 580-222-8931 E-mail charles.williams@weatherford.com



# Section I

# **TREATMENT REPORTS**





W	eatherf	<b>ord</b> *	Fracturing Te	chnologies											
Operator					Total Pump Tir	ne	Service Order No.	:		Date:	Jun	e 10, 201	13		
	Sar	ndridge Er	nergy		19 r	nin.	Purchase Order N	lo.:		Page:	1				
Well Name		Well No.		Formation				EQUIP	MENT ON	LOCATIO	N (UNIT N	UMBERS)			
Pamela		2330 1-34	RE	Pennsylva	nian		32132/T9	8010	32	293/T14	199				
County	State	Location		Operators Ma	x Pressure, psi		31863/T9	4016		31988					
Finney	Ks	Sec 34-235	-30W	5800			31647/T9	4035	33	766/T43	089				
внт	внр	Hole Angle		WB Fluid			32834/TR	States and a second		.987/T92					
				ļ			33001/TR		32	354/TR7	115				
Customer Re	• • • • • •			Phone Numbe			32907/TR	1026							
Charlie Bu		1		405-614-0	113			5	SERVICE CI	1					
Service Loca		Phone Numbe		Fax Number	_		V.Mclel						H.McCray		
Woodward		580-256-260		580-256-148		C.Ander			C.Alexand			T.Simpsor	n		
WFT Service	0.000 C 000	Construction of the second s		WFT Field Eng			J.Njua L.Pete			P.Kabika G.Lonebea					
Issaac Chepi Phone:	(580) 216-7028	the second second second	(580)216-4379	Ruyle, Brando Phone:		1.0900	L.Fete			J.Bamber					
Filone.	(580)210-7028		IG & TUBULAR DA							FORATIO	-				
Tubular	Size	Wi	Grade	Тор	Bottom	Capacities	Perf Zone	Top, MD	Bottom,	Top, TVD	Bottom,	SPF	Perfs	Size	
							T CH Zone	100, 110	MD	100,100	TVD			0.20	
Casing	2(7/8)	6.5	J-55	4701'	4727'	27									
		FL	UID DESCRIPTION						PROP	PANT DES	CRIPTION				
	Fluids		Description		Volu	mes				Amo	ount				
Stage					373	bbls		Proppant name and size White 20/40					1477 lbs		
Acid					0	bbls			White 16/	/30		01	bs		
Fluid in Tanks						bbls									
Load Hole						bbls									
Fluid Efficienc	y Test				400	bbls									
Pad Sand Laden					160 57	bbls bbls									
Flush					36	bbls									
		E	LUID ADDITIVES			DDIS			Δ.		TIVES				
	WFT Name		Volum	e	Un	its		WFT Nam			Volu	ume	Un	its	
	WGA-15L		123		9			and a subject			0.000				
	BIO Clear		9		9										
	WCS-631		43		gl										
	WNE-363		17		9	I									
	WBK-133		0		lb										
	WXL-105L		0		9										
				r		ALL OUT DAT						<b>1</b>			
Num	ber of Balls	Volur	ne in Stage	Slurr	y Rate	В	alls dropped per bbl		Balls c	fropped per	minute	Balls d	ropped per s	econd	
Property	d Treatmont														
Propose	d Treatment:														
						MENT SUM									
Fluid to Reco	P STREET W		73 bbls	Average Rate			19.8 bpm		Average P				2793 psi		
Fotal Proppa	int:	14	477 lbs	Maximum Ra	te:		20.5 bpm			Pressure:			3394 psi		
/olume required to load hole: Rate on Pa				Rate on Pad:			20.0 bpm		Pressure o				2826 psi		
						20.0 bpm 20.0 bpm		Pressure o				2718 psi			
				Average HHP			1355			n Pressure			2630 psi		
lush Density: 8.34 lb/gal Average HHI inal FG: 0.62 psi/ft					1333		SICANOUW	essule			914 psi				
Final EG		0.0	- 22/14												
Final FG:															
Final FG: Final ISIP:		8	74 psi												
Final ISIP:			74 psi 26 psi												
		6													



Time	STP psi	Annulus Pressure psi	Slurry Rate bpm	Stage Fluid Pumped bbls	Total Fluid Pumped bbls	Proppant Conc. Ppg	Page: 2 Comments
8:09 PM	6890	0	0	0	0	0	PSI TEST
8:22 PM	71	67	0	0	0	0	Open well
8:26 PM	2826	78	20	119	119	0	Aquavis 20G pad
8:30 PM	2718	534	20	24	143	0.5	0.50 ppg 20/40 white
8:34 PM	2689	544	20	119	262	0	Aquavis 20G sweep
8:39 PM	2659	687	20	24	286	0.5	0.50 ppg 20/40 white
8:42 PM	2630	687	20	87	373	0	Flush on companyman request due to communication with the annulus
8:41 PM	675	682	0	0	373		Shutdown
						Remarks:	



Operator	eatherf		Fracturing Teo		Total Pump Tir	ne	Service Order No.	:		Date:	June 11, 2013			
	San	dridge Er	nergy		61 r		Purchase Order N	o.:		Page:	1			
Well Name		Well No.		Formation				EQUIPMENT ON LOCATION (UNIT						
Pamela		2330 1-34	DC	Pennsylva	nian		32132/T9					1		
County	State	Location	RE		in an x Pressure, psi		31863/T9		32293/T14199 31988		199			
Finney	Ks	Sec 34-23S	-30\W	5800	ix Flussula, psi		31647/T94035 33766/T430		189					
внт	внр	Hole Angle	5011	WB Fluid			32834/TR1023 31987/T92			S				
0.111	5	note Angle					33001/TR			354/TR7:				
Customer R	epresentative			Phone Numb	er		32907/TR							
Charlie B				405-614-0	113			s	ERVICE C	REW				
Service Loc		Phone Numbe	or .	Fax Number			V.Mclel	lan	1				H.McCray	
Woodwai	rd, OK		580-256-2608 580-256-148				C.Anders		С	.Al exand	er		T.Simpsor	
WFT Servic	e Supervisor			WFT Field En	gineer		J.Njua	3	1	.Kabika	u			
Issaac Chep	bus			Ruyle, Brand	on		L.Pete	r	G	.Lonebea	ar			
Phone:	(580) 216-7028	Phone:	(580) 216-4379	Phone:	(405) 64	1-9890				.Bamber	g			
		CASIN	IG & TUBULAR DA	TA						ORATIO				
Tubular	Size	Wt	Grade	Тор	Bottom	Capacities	Perf Zone	Top, MD	Bottom, MD	Top, TVD	Bottom, TVD	SPF	Perfs	Size
Casing	2(7/8)	6.5	J-55	4701'	4727'	27								
		FL	JID DESCRIPTION							ANT DES	CRIPTION			
	Fluids		Description		Volu			Prop	opant name a				Amo	unt
Stage					1108	bbls		White 20/40					36943 lbs	
Acid					0	bbls	White 16/30						9900	lbs
Fluid in Tank	S					bbls								
Load Hole						bbls								
Pluid Efficien	d Efficiency Test				000	bbls								
Sand Laden				303 658	bbls									
Flush					27	bbls								
					21	DDIS					11/66			
	WFT Name	F	Volume	<u> </u>	Un	its		WFT Nam			Volu	me	Uni	ts
	WGA-15L		236		g		WBP-584			4		g		
	BIO Clear		9	gi				WBK-134			20		lbs	
	WCS-631		85	gi gi										
	WNE-363		43		g									
	WBK-133		25		lb									
	WXL-105L		23		g									
					BA	ALL OUT DAT	A	-						
Nur	nber of Balls	Volun	ne in Stage	Sluri	ry Rate	В	alls dropped per bbl		Balls d	ropped per i	minute	Balls d	ropped per se	econd
						I								
Propos	ed Treatment:				TREAT	MENT SUM	MARY							
Propos	ed Treatment:						20.0 bpm		Average Pr	essure:			2397 psi	
U.		11	08 bbls	Average Rate	::				Average Pressure: Maximum Pressure:				2397 psi 3867 psi	
luid to Rec	over:		08 bbls 834 lbs	Average Rate Maximum Ra			20.4 bpm		Maximum	Pressure:			3867 psi	
Fluid to Rec Fotal Propp	over: ant:				te:		20.4 bpm 20.0 bpm		Maximum Pressure o				3867 psi 2843 psi	
Fluid to Rec Fotal Propp	over:			Maximum Ra	te:					n Pad:				
Fluid to Rec Fotal Propp Volume req	over: ant: uired to load hole:	46	834 lbs	Maximum Ra Rate on Pad:	te:		20.0 bpm		Pressure o	n Pad: n Sand:			2843 psi	
Fluid to Rec Fotal Propp Volume req Fluid left in	over: ant: uired to load hole: tanks:	46 h	834 lbs	Maximum Ra Rate on Pad: Rate on Sand	te: : n:		20.0 bpm 20.0 bpm		Pressure o Pressure o	n Pad: n Sand: n Flush:			2843 psi 2395 psi	
Fluid to Rec Fotal Propp Volume req Fluid left in Flush Densi	over: ant: uired to load hole: tanks:	46 h 8.3	834 lbs alffull	Maximum Ra Rate on Pad: Rate on Sand Rate on Flush	te: : n:		20.0 bpm 20.0 bpm 20.0 bpm		Pressure o Pressure o Pressure o	n Pad: n Sand: n Flush:			2843 psi 2395 psi 3310 psi	
Fluid to Rec Fotal Propp Volume req Fluid left in Flush Densi Final FG:	over: ant: uired to load hole: tanks:	46 h 8.3 0.6	834 lbs alf full 4 lb/gal 55 psi/ft	Maximum Ra Rate on Pad: Rate on Sand Rate on Flush	te: : n:		20.0 bpm 20.0 bpm 20.0 bpm		Pressure o Pressure o Pressure o	n Pad: n Sand: n Flush:			2843 psi 2395 psi 3310 psi	
Fluid to Rec Total Propp Volume req Fluid left in Flush Densi Final FG: Final ISIP:	over: ant: uired to load hole: tanks:	46 h 8.3 0.6	834 lbs alf full 4 lb/gal 55 psi/ft 21 psi	Maximum Ra Rate on Pad: Rate on Sand Rate on Flush	te: : n:		20.0 bpm 20.0 bpm 20.0 bpm		Pressure o Pressure o Pressure o	n Pad: n Sand: n Flush:			2843 psi 2395 psi 3310 psi	
Fluid to Rec Total Propp	over: ant: uired to load hole: tanks:	46 h 8.3 0.6 10 7	834 lbs alf full 4 lb/gal 55 psi/ft	Maximum Ra Rate on Pad: Rate on Sand Rate on Flush	te: : n:		20.0 bpm 20.0 bpm 20.0 bpm		Pressure o Pressure o Pressure o	n Pad: n Sand: n Flush:			2843 psi 2395 psi 3310 psi	



Time	STP psi	Annulus Pressure psi	Slurry Rate bpm	Stage Fluid Pumped bbls	Total Fluid Pumped bbls	Proppant Conc. Ppg	Comments
11:23 AM	6780	715	0	0	0	0.00	PSI TEST
12:27 PM	80	593	0	0	0	0.00	Open well
12:30 PM	2843	432	20	119	119	0.00	Aquavis 20G pad
12:35 PM	2590	342	20	24	143	0.50	0.50 ppg 20/40 white
12:37 PM	2560	331	20	119	262	0.00	Aquavis 20G sweep
12:42 PM	2502	224	20	60	322	1.00	1.00 ppg 20/40 white
12:45 PM	2470	176	20	179	501	0.00	Aquavis 20G sweep
12:55 PM	2283	106	20	238	739	1.00	Crosslink 1.00 ppg 20/40 white
1:07 PM	2147	47	20	184	923	2.00	Crosslink 2.00 ppg 20/40 white
1:17 PM	2218	52	20	159	1082	2.00	Crosslink 2.00 ppg 16/40 white
1:27 PM	3310	47	20	27	1109	0.00	Aquavis 20G flush
1:28 PM	824	47	0	0	1109	0.00	Shutdown



Weatherford	Fracturir	ng Technologies	Customer: Well Name: Date(s):	Pamela 23	ge Energy 330 1-34RE /2013	
Product ID	Units	Location Inventory Prior to Job	Location Inventory After Prime Up	Location Inventory Post Job	Total Product Used	Product Down Hole
		TOTAL JO	B QUANTITY USED	)	Rai-Arrist	
WGA-15L					359	359
BIO Clear					17	17
WCS-631					128	128
WNE-363					60	60
WBK-133					40	40
WXL-105L					23	23
WBP-584					45	45
WBK-134					20	20
0					0	0
0					0	0
Premium 20/40					38420	38420
Premium 16/30					9900	9900
0					0	0
FRESHWATER	BBL				1482	

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

July 18, 2013

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

Re: ACO1 API 15-055-21942-00-01 Pamela 2330 1-34 RE NW/4 Sec.34-23S-30W Finney 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