

Confidentiality Requested:

Yes No

# KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1195962

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:			Sec.	TwpS. R	East _ West
Address 2:			F6	eet from	South Line of Section
City: S	tate: Zi	p:+	Fe	eet from East / V	West Line of Section
Contact Person:			Footages Calculated from	Nearest Outside Section Co	orner:
Phone: ()			□ NE □ NW	V □SE □SW	
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:	We	ell #:
New Well Re	-Fntrv	Workover	Field Name:		
	_	_	Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing: _	
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total De	epth:
CM (Coal Bed Methane)	dow	тетір. ды.	Amount of Surface Pipe Se	et and Cemented at:	Feet
Cathodic Other (Con	e. Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well In			If yes, show depth set:		Feet
Operator:			If Alternate II completion, o	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:	Original To	otal Depth:			
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from t		
O constitued and	D		Chloride content:	ppm Fluid volume:	bbls
<ul><li>Commingled</li><li>Dual Completion</li></ul>			Dewatering method used:		
SWD			Location of fluid disposal if	f haulad offsita:	
☐ ENHR			Location of fluid disposal fi	nauleu olisite.	
GSW			Operator Name:		
_			Lease Name:	License #:	
Spud Date or Date Rea	ached TD	Completion Date or	QuarterSec	TwpS. R	East _ West
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



Operator Name:				Lease N	Name:			_ Well #:		
Sec Twp	S. R	East	West	County	:					
	ow important tops of fo ing and shut-in pressu o surface test, along wi	res, whe	ther shut-in pre	ssure reacl	hed stati	c level, hydrosta	tic pressures, bo			
Final Radioactivity Logilles must be submitted						gs must be ema	iled to kcc-well-lo	ogs@kcc.ks.go	v. Digital	electronic log
Drill Stem Tests Taken (Attach Additional S		Ye	es No			3	on (Top), Depth a			Sample
Samples Sent to Geol	ogical Survey	Ye	es 🗌 No		Nam	9		Тор	L	Datum
Cores Taken Electric Log Run		☐ Y€								
List All E. Logs Run:										
			CASING	RECORD	│ Ne	w Used				
		Repo				rmediate, producti	on, etc.			
Purpose of String	Size Hole Drilled		e Casing t (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		and Percent additives
Purpose	Depth					EEZE RECORD				
Purpose: Perforate	Top Bottom	Туре	of Cement	# Sacks	Used		Type and	Percent Additives		
Protect Casing Plug Back TD										
Plug Off Zone										
Did you perform a hydrau	ilic fracturing treatment or	this well?	?			Yes	No (If No, sk	aip questions 2 ar	nd 3)	
	otal base fluid of the hydra		•		•			rip question 3)		
Was the hydraulic fractur	ing treatment information	submitted	to the chemical of	disclosure reg	gistry?	Yes	No (If No, fil	out Page Three	of the ACC	D-1)
Shots Per Foot			RD - Bridge Plug Each Interval Perl				cture, Shot, Cemen		d	Depth
TUBING RECORD:	Size:	Set At:		Packer At	t:	Liner Run:				
							Yes No	1		
Date of First, Resumed	Production, SWD or ENH	R.	Producing Meth Flowing	nod:	g 🗌	Gas Lift C	other (Explain)			
Estimated Production Per 24 Hours	Oil Bl	bls.	Gas	Mcf	Wate	er Bl	ols.	Gas-Oil Ratio		Gravity
DIODOGITI	ON OF CAC			ACTUOD OF	COMPLE	TION		DDODUOTI		\/AL.
Vented Sold	ON OF GAS:  Used on Lease		N Open Hole	NETHOD OF $\Box$ Perf.	Dually	Comp. Con	nmingled	PRODUCTIO	λιν ΙΙΝ Ι ΕΚ\	VAL
(If vented, Sub			Other (Specify)		(Submit A	ACO-5) (Subi	mit ACO-4)			

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Bailey 3408 2-29H
Doc ID	1195962

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	75	90	Grout	10	see report
Surface	12.25	9.625	36	789	Class A Common	405	see report
Intermedia te	8.75	7	26	5598	Class A 50/50 POIZ	350	see report

# Hydraulic Fracturing Fluid Product Component Information Disclosure

0	Total Base Non Water Volume:
2,605,596	Total Base Water Volume (gal):
4,725	True Vertical Depth:
NO	Federal/Tribal Well:
NAD27	Datum:
37.05158000	Latitude:
-98.20316000	Longitude:
Bailey 3408 2-29H	Well Name and Number:
SandRidge Energy	Operator Name:
15-077-21993-00-00	API Number:
Harper	County:
Kansas	State:
2/26/2014	Job End Date:
2/23/2014	Job Start Date:







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Comments						0.72080SmartCare Product	0.12720SmartCare Product		0.07249SmartCare Product		0.01370SmartCare Product	0.00457SmartCare Product				0.00277SmartCare Product	
Maximum Ingredient Concentration in HF Fluid (% by mass)**		95.28187		3.65158		0.72080	0.12720		0.07249		0.01370	0.004578		0.00757		0.00277	
Maximum Ingredient Concentration in Concentration in Additive (% by mass)**  (% by mass)**		100.0000		100.0000		85.0000	15.0000		100.00000		30.0000	10.0000		30.0000		00000:09	
Chemical Abstract Service Number (CAS#)		7732-18-5		14808-60-7		7732-18-5	7647-01-0		NA		67-56-1	9016-45-9		107-21-1		77-92-9	
Ingredients		Water		Crystalline Silica (Quartz)		Water	Hydrochloric Acid		Contains non-hazardous ingredients that are shown in the non-MSDS section of this report.		Methanol	Nonyl phenyl polyethylene glycol9016-45-9 ether		Ethylene Glycol		Citric Acid	
Purpose	Carrier		Proppant		Acidizing			Friction Reducer		Non-emulsifier			Scale Inhibitor		Iron Control		Corrosion Inhibitor
Supplier	Operator		Baker Hughes		Baker Hughes			Baker Hughes		Baker Hughes			Baker Hughes		Baker Hughes		Baker Hughes
Trade Name	Water		Sand, White, 40/70		HCI, 10.1 - 15%			FRW-15A, tote		NE-900, tote			Scaletrol 7208, 330 gl Baker Hughes tote		Ferrotrol 300L (Totes) Baker Hughes		CI-27 (260 gal tote)

		Methanol	67-56-1	00000.09	0:00039	
		Thiourea Polymer	68527-49-1	30.0000	0.00020	
		Fatty Acids	Trade Secret	30.0000	0.00020	
		Polyoxyalkylenes	Trade Secret	30.0000	0.00020	
		Propargyl Alcohol	107-19-7	10.00000	0.00007	
		Olefin	Trade Secret	2.00000	0.00003	
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.	1910.1200(i) and app	oear on Material Safety Data Shee	ets (MSDS). Ingredients	shown below are N	on-MSDS.	
DIT.	Other Chemicals					
		Water	7732-18-5		0.03885	
		Р	25987-30-8		0.02900	
		Hydrotreated Light Distillate	64742-47-8		0.02175	
		Copolymer	Trade Secret		0.01827	
		Nonyl Phenol Ethoxylate	127087-87-0		0.00362	
		Sorbitan Monooleate	1338-43-8		0.00362	
		Diethylene Glycol	111-46-6		0.00126	
		Sodium Chloride	7647-14-5		0.0000	
		Formaldehyde	0-00-09		0.0000	
		Potassium Chloride	7447-40-7			
		2-Propenoic, Polymer with Sodium Phosphinate, Sodium Salt	71050-62-9			
		ium Chloride	10043-52-4			
		Polyacrylate	Trade Secret			

\* 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%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

PROJECT DETAILS: Mid-Continent - Kansas T/M Azimuths to Grid North True North: -0.18° Geodetic System: US State Plane 1927 (Exact solution) Magnetic North: -0.18 Datum: NAD 1927 (NADCON CONUS) Ellipsoid: Clarke 1866 Magnetic Field Zone: Kansas South 1502 Strength: 0.0snT Dip Angle: 0.00° Date: 11/27/2013 Model: USER DEFINED System Datum: Mean Sea Level FORMATION TOP DETAILS CASING DETAILS TVDPath MDPath DipAngle DipDir Formation 4658.1 0.55 179.98 MDName Size 4929.8 Miss Lime 9 5/8" 7" 800.0 800.0 9-5/8 4697.7 5429.0 4740.2 9855.0 4 1/2" 4-1/2 DESIGN DETAILS: Design #1 Project: Mid-Continent - Kansas Site: T34S-R08W-Sec29 0' Vertical Section coordinates Well: Bailey 3408 2-29H Wellbore: Bailey 3408 2-29H From TVD Type Target Azimuth Origin Type N/S  $\mathsf{E}/\mathsf{W}$ Design: Design #1 User 179.98 User 0.2 707.2 0.0 550 450 0 iHold nudge' VS -550 Miss Lime 900 bttm TAN -1100· -1650 1350 (+) North (-) North (2750-Begin nudge 1800 Depth Hold True Vertical [ -3850 -4400 -4950 Bailey 3408 2-29H TD at 9855.0 -5500 3600 -1100 550 1100 1650 2200 2750 Start build and turn West(-)/East(+) 4050 4500 7" ICP / LP top TAlbttm TAl TD at 9855.0 Miss Lime 4950 -500 ò 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 Vertical Section at 179.98° SECTION DETAILS VSect Sec MD TVD +N/-S +E/-W Dleg Inc **TFace** Target 0.0 0.00 0.00 0.0 0.0 0.0 0.00 0.00 800.0 0.00 0.00 800.0 0.0 0.0 0.00 0.00 0.0 1590.5 0.00 0.00 1590.5 0.0 0.0 0.00 0.00 0.0 2253.8 2257.2 10.00 65.22 24.3 52.7 1.50 65.22 3984.3 10.00 65.22 3954.7 150.0 325.0 0.00 0.00 167.50 5111.1 88.00 4686.9 -498.3 593.5 8.00 102.43 498.5 5411.1 88.00 167.50 4697.3 -791.0 658.4 0.00 0.00 791.2 5429.3 89.45 167.50 4697.7 -808.7 662.3 8.00 0.00 808.9 -1221.4 3.00 5845.2 89.45 179.98 4701.7 707.6 90.06 1221.6 **PBHL** 9855.0 89.45 179.98 -5231.0 709.0 0.00 5231.2 **PBHL** 4740.2 0.00



SandRidge Energy Bailey #3408 2-29 Intermediate Harper County, KS.

## 1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Bailey #3408 2-29 Intermediate Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 3500 psi. After a successful test we began the job by pumping 30 bbls of preflush spacer. We then mixed and pumped the following cements:

60 Bbls (240 sacks) of 13.6 ppg Lead slurry: 50:50 Class A:Poz Blend - 1.4 Yield 2.0% Gel 0.4% FL-160 0.1% SA-51

22Bbls (100 sacks) of 15.6 ppg Tail slurry: Class A - 1.18 Yield 0.8% FL-160 0.2% CD-31

The top plug was then released and displaced with 212 of fresh water. The plug bumped and pressured up to 1400 psi. Pressure was released and floats held.

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestion are greatly appreciated and helps us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.



SandRidge Energy Bailey #3408 2-29 Harper County, KS.

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Bailey #3408 2-29 Surface Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 2500 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

85 Bbls (255 sacks) of 12.7 ppg Lead slurry: 65:35 Class A:Poz Blend - 1.87 Yield 6.0% Gel 2.0%cc 1/4# Floseal

32 Bbls (150 sacks) of 15.6 ppg Tail slurry: Class A - 1.20 Yield 2.0%cc ¼# Floseal

The top plug was then released and displaced with 60 of fresh water. The plug bumped and pressured up to 750 psi. Pressure was released and floats held.

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestion are greatly appreciated, to help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs