Kansas Corporation Commission Confidentiality Requested: OIL & GAS CONSERVATION DIVISION Yes No

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:	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 #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
Oil	Elevation: Ground: Kelly Bushing:
OG GSW Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
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)
Demois #	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Location of fluid disposal if fladied offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
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:			

Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
INSTRUCTIONS: Show open and closed, flowing and flow rates if gas to s	g and shut-in pressur	res, whether shut-in pre	ssure reached stati	c level, hydrosta	tic pressures, bott		
Final Radioactivity Log, files must be submitted				gs must be ema	iled to kcc-well-lo	gs@kcc.ks.gov	. Digital electronic log
Drill Stem Tests Taken (Attach Additional Sho	eets)	Yes No			n (Top), Depth ar		Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		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 / SQL	IFEZE BECORD			
Purpose:	Depth	Type of Cement	# Sacks Used	TEELE TIE GOTTE	Type and P	ercent Additives	
Perforate Protect Casing Plug Back TD Plug Off Zone	Top Bottom	7,			7,		
r lug on zone							
Did you perform a hydraulic Does the volume of the tota Was the hydraulic fracturing	l base fluid of the hydra	ulic fracturing treatment ex		Yes Yes Yes	No (If No, ski	p questions 2 an p question 3) out Page Three o	
Shots Per Foot		N RECORD - Bridge Plug otage of Each Interval Perl			cture, Shot, Cement mount and Kind of Ma		I Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed Pr	oduction, SWD or ENHI	R. Producing Meth		Gas Lift C	other (Explain)		
Estimated Production Per 24 Hours	Oil Bb	ols. Gas	Mcf Wate	er Bl	ols. G	as-Oil Ratio	Gravity
DISPOSITION	LOE GAS:		METHOD OF COMPLE	TION:		PPODLICTIO	N INTERVAL:
Vented Sold	Used on Lease	Open Hole		Comp. Con	nmingled mit ACO-4)	PRODUCTIO	IN INTERVAL:
(If vented, Subm	it ACO-18.)	Other (Specify)			´		

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Brentley 1-6 RE
Doc ID	1167846

## Tops

Name	Тор	Datum
Heebner	4392	-2231
Lansing	4565	-2404
Cherokee	5173	-3012
Mississippi	5282	-3121
Kinderhook	5962	-3801
Viola	6087	-3926
Simpson	6220	-4059
Oil Creek	6261	-4100
Arbuckle	6270	-4109

## **Summary of Changes**

Lease Name and Number: Brentley 1-6H

API/Permit #: 15-033-21614-02-00

Doc ID: 1167846

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	11/06/2013	11/20/2013



CONFIDENTIAL COMPLETION COMMISSION

CONFIDENTIAL COMPLETION FORM

1160314

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: State: Zip: +	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         ☐ SHOW           ☐ 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?
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  Plug Back: Plug Back Total Depth Commingled Permit #:  Dual Completion Permit #:  SWD Permit #:  ENHR Permit #:  GSW Permit #:	Chloride content: ppm Fluid volume: bbls  Dewatering method used:  Location of fluid disposal if hauled offsite:  Operator Name: License #:  Quarter Sec Twp S. R East West  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:		

KOLAR Document ID: 1160314

#### Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a     Does the volume     Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Brentley 1-6H
Doc ID	1160314

## Tops

Name	Тор	Datum
Heebner	4392	-2231
Lansing	4565	-2404
Cherokee	5173	-3012
Mississippi	5282	-3121
Kinderhook	5962	-3801
Viola	6087	-3926
Simpson	6220	-4059
Oil Creek	6261	-4100
Arbuckle	6270	-4109

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Brentley 1-6H
Doc ID	1160314

## Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5973-5977	CIBP 2 SKS CEMENT ON TOP	5960
4	6000-6004	CIBP 2 SKS CEMENT ON TOP	5010
3	5464-5470	CIBP 2 SKS CEMENT ON TOP	5240
2	5274-5334	Sand & Gel Frac, see attached report	5973-6004
2	5325-5334	Acidizing - 2000 gal 15% NEFE HCL w/2 non-ironic surfactant, flushed w/30 bbls treated fresh water	5274-5334

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Brentley 1-6H
Doc ID	1160314

# Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
surface	12.25	9.625	36	1009	Haliburton Light	435	see original well completion
intermedia te	8.75	7	26	5618	50/50 Poz Standard	185	see original well completion
production	6.13	4.5	11.6	6368	50/50 Poz	450	see original well completion

Mr. Mike Anderson Brentley #1-6H RE Mississippi Formation Perfs: 5973' - 6004'

Date: 6/21/2013 Treated by: BJ Gray Consolidated Oil Well Services, LLC



COLD ASSESSMENT	THE RESIDENCE OF SECURITY OF S	Barle Division Company	Actual	THE WASHINGTON	SCHOOL STATES	NOTE AND SOME AND A	Secondary (Asset)	Caron Congression	NUMBER OF STREET	Mary Stranger Barba	SHOT HILLSHOP	Comments
Fluid Proppant	ant Start Time	Elasped Time	Maxi	Maximum	Stage	1e	Cumulative	ative	SECTION OF SECTION	Proppant	THE REAL PROPERTY.	
Type	B Stage Start	Stage Start	CSG Press	Slurry Rate	Clean	Slurry	Clean	Slurry	Prop	Stage	Cumulative	
			(isd)	(mdq)	(199)	(ppl)	(lqq)	(ppl)	(ßdd)	(qj)	(Ib)	
20# Linear Gel Pad	15:00:00	0:00:00	2499	30	112.0	112.0	112.0	112.0	0.00	0	0	Broke @ 2424@4.5BPM
20# Linear Gel 20/40 White	Vhite	00:00:0			0.0	0.0		112.0	0.00	0		Pressured up to 6000 psi. Would not take fluid. Pumping at 0.5 bpm at 6000 psi.
20# Linear Gel Sweep	de	***************************************			0.0	0.0		112.0	0.00	0		ISIP = 5930 psi, 5 min = 2825 psi, 10 min = 1640 psi, 15 min = 1179 psi
20# Linear Gel 20/40 White	Vhite	*************			0.0	0.0		112.0	00.0	0		
20# Linear Gel Sweep	de	***************************************			0.0	0.0		112.0	0.00	0		
20# Linear Gel 20/40 White	Vhite	***************************************			0:0	0:0		112.0	0.00	0		
20# Linear Gel 20/40 White	Vhite	#######################################			0.0	0.0		112.0	00.00	0		
20# X-Link 20/40 White	Vhite	***************************************			0:0	0.0		112.0	00.00	0		
20# X-Link 20/40 Resin	lesin	***************************************			0.0	0.0		112.0	00'0	0		
20# Linear Gel Flush	th.	#######################################			0.0	0.0		112.0	00.00	0		
Treated Water Flush	ų	***************************************			0.0	0.0		112.0	00.00	0		
Shutdown	own 16:15	0:00:0				製造技術	112.0					
Slurry Rate: 30 BPM Time: 1:15:00 HH:MM:SS Slurry Rate: 30:00 BPM	Pressure: SC Clean Vol.: Pressure:	2499 112.0 2499.00	<u>B</u> <u>B</u> <u>S</u>	Sturry Vol.:	112.0 BBL	3BL	i					

Total Pumped: 20# Linear G 20# X-Link Treated Wats 15% HCl 0 0	bbis 112 0 0 0 0 0	20/40 White 20/40 Resin 0	0 0 0 sql																
Job Notes:	1 Pumping at 30 bpm then when 106 bbls away, formation locked up. 2 Pumped at 0.5 hpm at 6000 psi would not break back	3	4	un u	O ~	80	6	10	-1	12	13	14	15	16	17	18	19	20	



**Quality Control Report** 

6/21/2013

Mr. Mike Anderson Brentley #1-6H RE SEC 6, TWP 32S, RGE 19W Comanche County, KS API# Perfs: 5973' - 6004' Mississippi Formation Zone 1 Prepared by: Greg Hicks

Tank QC Tests	Tank 1	Tank 2	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Average
Water Temp (deg F) Viscosity (cp) pH Buffered pH Cross-Link Time (sec)									

Weight (ppg) ABS Volume 8.33 13.36809037 0.0456 sp 1 Fresh Water 20/40 White Base Fluid Proppant 2.65

Chemicals	Component	Max Percentage	CAS#	Amt Use	d	Design	Actual	Variance	Fractio
				r		Concentra	ation/Mgal		of Fra
Hydrochloric Acid	Hydrogen Chloride	38%	1-1-7467						0.000
Acid		0%		0	gallons	0	0	0.00%	0.000
		0%							0.000
SP-650	Methanol	15%	67-56-1						0.003
Biocide		0%		1	gallons	0.25	0.21	-14.97%	0.000
		0%							0.000
GA-41W		0%				00.1			0.000
Gel	l	0%		70	gallons	5	14.88	197.62%	0.000
		0%							0.000
SR-445	Isopropanol	30%	67-63-0				0.00	0.00000	0.024
Surfactant/Stimulation Additive	Citrus Turpenes	30%	94266-47-4	4	gallons	1	0.85	-14.97%	0.024
	2-Butoxyethanol	30%	111-76-2						0.024
CL-142	l	0%							0.000
Cross-Linker	l	0%		0	gallons	1.5	0.00	-100.00%	0.000
		0%							0.000
LEB-4		0%							0.000
Liquid Enzyme Breaker		0%		0	gallons	0.05	0.00	-100.00%	0.000
		0%							0.000
Ammonium Persulfate	Ammonium Persulfate	100%	7727-54-0	40			0.40	440 500/	0.025
Dry Breaker		0% 0%		10	pounds	1	2.13	112.59%	0.000
Buffer CL	Detection Historida	50%	1310-58-3						0.000
	Potassium Hydroxide		1310-58-3	0		0	0.00	0.00%	0.000
Buffering Agent		0% 0%		ľ	gallons	U	0.00	0.00%	0.000
Plexset-730		0%							0.000
Resin Activator		0%		0	gallons	10	0.00	-100.00%	0.000
Resili Activator		0%		ľ	galions	10	0.00	-100.00%	0.000
PS-102		0%							0.000
Scale Inhibitor		0%		1	gallons	0.25	0.21	-14.97%	0.000
Scale Inhibitor		0%		'	galions	0.25	0.21	-14.57 70	0.000
		070							0.000
				0		0	0.00	0.00%	
				"		-			
20/40 White	Quartz, (Crystalline Silica)	100%	14808-60-7	0	lb	80000	0	-100.0%	0.000
20/40 Resin	Quartz, (Crystalline Silica)	100%	14808-60-7	0	lb	20000	0	-100.0%	0.0%
0	Quartz, (Crystalline Silica)	100%	14808-60-7	0	lb	0	0	0.0%	0.0%
							Average:	-16.8%	
otal fluid pumped (includes acid)	112	bbl	Avg. Rate	30	BPM				
Acid Pumped	0	bbl	Max. Rate	30	ВРМ				
Fresh water pumped	112	bbl	Avg. Press.	2499	PSI				
Total sand pumped	0	lbs	Max. Press.	2499	PSI				
The state of the s									

Mr. Mike Anderson Brentley #1-6H RE Mississippi Formation Perfs: 5973' - 6004' SEC 6, TWP 32S, RGE 19W Comanche County, KS Zone 1

Date: 6/25/2013 Treated by: Rusty Peel Consolidated Oil Well Services, LLC



Proppant   Start fine   Proppant   Start fine   Stage Start     238.1   20# Linear Gel   Pad   8.22:50     178.6   20# Linear Gel   20/40 White   8:34:00     178.6   20# Linear Gel   20/40 White   8:47:39     178.6   20# Linear Gel   20/40 White   8:51:41     237.1   20# Linear Gel   20/40 White   8:57:37     238.1   20# Linear Gel   20/40 White   9:29:31     119.0   20# X-Link   20/40 White   9:34:36     119.0   20# X-Link   20/40 White   20/40 White   9:34:36     119.0   20# X-Link   20/40 White   20/40	ALCE SHOOT	September of the suggestion.	NATURAL PROPERTY OF THE PROPER	THE RESIDENCE OF THE PARTY OF T		Appropriet/Action (Appropriet)	Actual				1000 100 TEST NO.	推出 10 mm 10	THE SECURITY OF THE PARTY OF TH	Mark all parts	SCHOOL STREET	Comments
Parigin Cleam   Type   Type	Stage #	THE REAL PROPERTY.	Fluid	Proppant	Start Time	Elasped Time	Max	imum	Stag	3e	Cumul	rtive	<b>经济的的特别</b>	Proppant		
1786   204 Linear Cel   Pad   8:24:50   0:0000   2:121   3:05   2:350   2:350   2:530   0:050   0:00   0:		Design Clean	Type	Type	Stage Start	Stage Start	CSG Press	Slurry Rate	Clean	Slurry	Clean	Slurry	Prop	Stage	Cumulative	
178.6   20# Linear Gel   Pad   8:22.50   0:0000   2:121   30.5   2:53.0   2:53.0   2:53.0   0:000   0   0   0   0   0   0   0	COLUMN TO SERVICE					· · · · · · · · · · · · · · · · · · ·	(bsi)	(mdq)	(ppl)	(ppl)	(lqq)	(ppl)	(bdd)	(q)	(Ib)	
178.6   204 Linear Ge  Pad   8:22:60   0:00:00   2121   3:04   3:04   2:30   2:33   2:33   2:33   0:00   0   0   0     178.6   204 Linear Ge  Sweep   8:41:51   0:19:01   1720   3:05   1770   1770   6:68:0   6:73   0:00   0   0   0     178.6   204 Linear Ge  Sweep   8:41:51   0:19:01   1720   3:05   1770   1770   6:68:0   6:73   0:00   0   0   0     178.6   204 Linear Ge  Sweep   8:51:41   0:28:51   1730   3:04   1700   1800   9:65   6:73   0:00   0   0   0     178.6   204 Linear Ge  Sweep   8:51:41   0:28:51   1730   3:04   1800   3:05   0:00   0   0   0     178.6   204 Linear Ge  Sweep   8:51:41   0:28:51   1730   3:04   1800   3:05   0:00   0   0   0     297.6   204 Linear Ge  Sweep   8:51:34   0:28:51   1730   3:04   3:57   3:05   3:05   0:00   0   0   0     297.6   204 Linear Ge  Sweep   8:00:34   0:00   0:00   0:00   0   0:00   0     297.6   204 Linear Ge  Sweep   8:00:34   0:00   0:00   0   0:00   0   0:00   0     297.6   204 Linear Ge  Sweep   8:00:34   0:00   0:00   0:00   0:00   0   0:00   0     297.6   204 Linear Ge  Sweep   8:00:34   0:00   0:0	SKRITTING.	のというというというないという	Marine Constitution of the	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN THE PE	STORY BUILDING STORY	STANDARD CONTRACTOR				The second of th		STATISTICS OF		AND COMPA	ALS PORTER BLA	
238.1         20# Linear Gel         20.40 White         8:34.00         0:11:10         1718         30.4         248.0         496.7         0.55         528.9         528.0         548.0         668.0         668.0         668.0         673.7         0.00         0         529.3         529.3         529.3           178.6         20# Linear Gel         20/40 White         8.41:51         0.28:49         1770         30.4         1770         668.0         668.0         673.7         0.00         0         529.3           118.0         20# Linear Gel         20/40 White         8.51:41         0.28:51         1770         30.4         180.0         966.0         976.1         1.00         0         1024.4           237.1         20# Linear Gel         20/40 White         8.57:37         1738         30.4         357.0         373.7         132.0         134.2         30.0         1024.4           238.1         20# Linear Gel         20/40 White         9:20:34         0:57:44         2190         30.6         236.0         142.0         142.0         1672.9         20.1         153.4         10.0         162.0           119.0         20.2 Linear Gel         Flush         9:20:34         0:57:44 <td>~</td> <td>238.1</td> <td>20# Linear Gel</td> <td>Pad</td> <td>8:22:50</td> <td>0:00:00</td> <td>2121</td> <td>30.5</td> <td>253.0</td> <td>253.0</td> <td>253.0</td> <td>253.0</td> <td>0.00</td> <td>0</td> <td>0</td> <td></td>	~	238.1	20# Linear Gel	Pad	8:22:50	0:00:00	2121	30.5	253.0	253.0	253.0	253.0	0.00	0	0	
178.6   20# Linear Ge    Sweep   8.41.51   0.19.01   1720   30.5   177.0   688.0   673.7   0.00   0   6.2939   1024.49   1701   30.4   177.0   122.4   785.0   796.1   1.01   4951   10244   10244   173.0   30.4   177.0   122.4   785.0   796.1   1.01   4951   10244   10244   173.0   30.4   177.0   122.4   785.0   796.1   1.01   4951   10244   10244   173.0   30.4   135.0   373.7   132.0   134.9   1.03   157.4   26588   103   204.0 White   8.57.37   0.35.47   1763   30.4   236.0   323.1   1618.0   1672.9   2.01   24980   50588   103   24980   204.8   113.4   204.0 White   9.20.34   0.57.44   2190   30.6   236.0   288.2   1854.0   1941.2   3.00   29688   80236   80236   1.11.45   204.0 White   9.34.35   1.11.45   202.0	2	238.1	20# Linear Gel	20/40 White	8:34:00	0:11:10	1718	30.4	238.0	243.7	491.0	496.7	0.53	5293	5293	
119.0   20# Linear Gel   Sweep   8:51:41   0.28:51   1730   30.4   117.0   122.4   785.0   796.1   1.01   495.1   10244   1028   1.0	63	178.6	20# Linear Gel	Sweep	8:41:51	0:19:01	1720	30.5	177.0	177.0	668.0	673.7	0.00	0	5293	
357.1         20# Linear Gel         Sweep         8:51:41         0.28:51         1736         30.4         180.0         180.0         965.0         976.1         0.00         0         10244           357.1         20# Linear Gel         20/40 White         8:57:37         0:34:47         1738         30.4         367.0         373.7         1322.0         1349.8         1.03         45874         25618           293.6         20% Linear Gel         20/40 White         9:03:54         0:37:44         2190         30.6         286.0         363.1         1618.0         167.3         30.4         286.0         286.0         288.2         1854.0         167.2         30.0         286.0         30.0         20.0         0<	4	119.0	20# Linear Gel	20/40 White	8:47:39	0:24:49	1701	30.4	117.0	122.4	785.0	796.1	1.01	4951	10244	
357.1         20# Linear Gel         20/40 White         8:57:37         0:34:47         1738         30.4         357.0         373.7         132.0         134.8         1.03         15374         25618           297.6         207.6         207.6         1763         30.4         1763         30.4         1763         30.4         296.0         323.1         1618.0         1672.9         2.01         24980         50598           238.1         204 X-Link         20/40 White         9:20:34         0:57:44         2190         30.6         286.2         1864.0         1941.2         3:00         296.8         3:00         268.2         1864.0         1941.2         3:00         296.8         3:00 <t< td=""><td>2</td><td>178.6</td><td>20# Linear Gel</td><td>Sweep</td><td>8:51:41</td><td>0:28:51</td><td>1730</td><td>30.4</td><td>180.0</td><td>180.0</td><td>965.0</td><td>976.1</td><td>0.00</td><td>0</td><td>10244</td><td></td></t<>	2	178.6	20# Linear Gel	Sweep	8:51:41	0:28:51	1730	30.4	180.0	180.0	965.0	976.1	0.00	0	10244	
237.6         204 United Cell         20040 White         9:09:54         0:47:04         4763         30.4         296.0         323.1         1618.0         1672.9         2.01         24980         50598           238.1         238.1         20# X-Link         20/40 White         9:20:34         0:57:44         2190         30.6         236.0         268.2         1864.0         1941.2         3:00         29636         80296           119.0         20# X-Link         20/40 White         9:29:31         1:06:41         5002         29.7         127.0         144.2         1961.0         2085.4         2.97         15866         96162           4.8         20# Linear Gel         Flush         9:34:36         1:11:45         3.0         3.0         1984.0         2088.4         0.00         0         96162           87.1         Treated Water         Flush         9:34:36         1:11:45         3.0         3.0         1984.0         2088.4         0.00         0         96162           8 In Third         113.40         Phissure:         2491.5         Phi         1984.0         2088.4         0.00         0         96162           8 In Third         113.40         1384.0         1	9	357.1	20# Linear Gel	20/40 White	8:57:37	0:34:47	1738	30.4	357.0	373.7	1322.0	1349.8	1.03	15374	25618	
119.0   20# X-Link   20/40 White   9:20:34   0:57:44   2190   30.6   236.0   268.2   1854.0   1941.2   3:00   29698   80296   80296   119.0   20# X-Link   20/40 Resin   9:29:31   1:06.41   5002   29.7   127.0   144.2   1981.0   2086.4   2:97   15866   96162	7	297.6	20# Linear Gel	20/40 White	9:09:54	0:47:04	1763	30.4	296.0	323.1	1618.0	1672.9	2.01	24980	50598	
119.0         20# X-Link         20040 Resin         9:29:31         1:06:41         5002         29.7         127.0         144.2         1981.0         2085.4         2.97         15866         96162           4.8         20# Linear Gel         Flush         9:34:35         1:11:45         5232         3.7         3.0         3.0         1984.0         2088.4         0.00         0         96162           87.1         Treated Water         Flush         9:34:35         1:11:45         \$         0.0         0.0         1984.0         2088.4         0.00         96162           Slurny Rate:         277         BPM         Pressure:         2491.5         PSI         Slurny Vol.:         2201.9         BBL         Slurny Vol.:         2201.9         BBL         Result Note:         Result Note:         2201.9         BBL         Result Note:         Result Note: <t< td=""><td>80</td><td>238.1</td><td>20# X-Link</td><td>20/40 White</td><td>9:20:34</td><td>0;57:44</td><td>2190</td><td>30.6</td><td>236.0</td><td>268.2</td><td>1854.0</td><td>1941.2</td><td>3.00</td><td>29698</td><td>80296</td><td></td></t<>	80	238.1	20# X-Link	20/40 White	9:20:34	0;57:44	2190	30.6	236.0	268.2	1854.0	1941.2	3.00	29698	80296	
4.8   20# Linear Gel   Flush   9:34:35   1:11:45   5232   3.7   3.0   1984.0   2088.4   0.00   0   96162     87.1   Treated Water   Flush   9:34:35   1:11:45	6	119.0	20# X-Link	20/40 Resin	9:29:31	1:06:41	5002	29.7	127.0	144.2	1981.0	2085.4	2.97	15866	96162	Stayed at 3.0 ppg for resin coated sand because pressure wa increasing. Ran longer volume to get rid of all resin coat san
S7.1   Treated Water   Flush   9:34:35   1:11:45     0.0   0.0   1984.0   2088.4   0.00   0   96162	10	4.8	20# Linear Gel	Flush	9:34:35	1:11:45	5232	3.7	3.0	3.0	1984.0	2088.4	0.00	0	96162	Went to flush early, pressure increased
Slurry Rate:   27.7   BPM   Pressure:   2491.5   PSI   Slurry Vol.:   2201.9   BBL   Slurry Vo	<b>±</b>	87.1	Treated Water	Flush	9:34:35	1:11:45		Settle Comme	0.0	0.0	1984.0	2088.4	0.00	0	96162	Screened out at 127 bbls into Resin coat
Slurry Rate:         27.7         BPM         Pressure:         2491.5         PSI         PSI         Time         172.40         BH:MM:SS         Glean Vol.:         1884.0         BBL         Slurry Vol.:         2201.9         BBL           Slurry Rate:         30.60         BH:MM:SS         Pressure:         5232.00         PSI         BBL				Shutdown	9:35	1:11:45					1984.0					
Slury Rate; 30.60 BPM   Pressure: 5232.00 PS    Slury Rate; 5.232.00 PS	ages	Slumy Rate:	27.7	BPM HH:MM:SS	Pressure: Clean Vol.:	2491.5	PSI BBL	Slurry Vol.:		88L						
3653 5-min		Slurry	30.60	ВРМ	Pressure:	5232.00	PSI									
	ISI	-														

Total Pumped: 20# Linear G. 20# X-Link Traated Watt 15% HCl 0 0	bbls 1,621 363 0 0 0 0		20/40 White 20/40 Resin 0	lbs 80296 15866 104523																
Notes:	1 Pressure tested to 8216 psi	2 Opening wellhead pressure is 0 psi	<ol><li>Screened out at 127 bbls into 3.0 ppg resin coat sand.</li></ol>	4 Put around 4500 lbs of resin into formation before screening out.	5 ISIP = 3653 psi, 5 Min = 365 psi, 10 Min = 177 psi, 15 Min = 162 psi	9	_	۵	0	10	=	12	13	14	15	16	17	18	6	20

FG Job Notes:



**Quality Control Report** 

6/25/2013

Mr. Mike Anderson Brentley #1-6H RE
SEC 6, TWP 32S, RGE 19W
Comanche County, KS
API #
Perfs: 5973' - 6004' Mississippi Formation Zone 1 Prepared by: Greg Hicks

Tank QC Tests	Tank 1	Tank 2	Tank 4	Tank 5	Tank 6	Tank 7	Tank 8	Tank 9	Average
Water Temp (deg F) Viscosity (cp) pH Buffered pH Cross-Link Time (sec)									

Weight (ppg) 8.33 13.36809037 sp 1 ABS Volume Base Fluid Proppant Fresh Water 20/40 White 0.0456 2.65

Chemicals	Component	Max Percentage	CAS#	Amt Used	i	Design	Actual	Variance	Fractio
						Concentr	ation/Mgal		of Fra
Hydrochloric Acid	Hydrogen Chloride	38%	1-1-7467						0.0009
Acid		0%		0	gallons	0	0	0.00%	0.000%
		0%							0.000%
SP-650	Methanol	15%	67-56-1						0.0049
Biocide		0%		25	gallons	0.25	0.30	20.01%	0.000%
		0%							0.000%
GA-41W		0%							0.000%
Gel		0%		419	gallons	5	5.03	0.57%	0.000%
		0%							0.000%
SR-445	Isopropanol	30%	67-63-0						0.023%
Surfactant/Stimulation Additive	Citrus Turpenes	30%	94266-47-4	85	gallons	1	1.02	2.01%	0.023%
	2-Butoxyethanol	30%	111-76-2						0.023%
CL-142		0%							0.000%
Cross-Linker	I	0%		23	gallons	1.5	1.51	0.57%	0.000%
		0%							0.000%
LEB-4		0%							0.000%
Liquid Enzyme Breaker		0%		4	gallons	0.05	0.05	-3.99%	0.000%
		0%		l					0.000%
Ammonium Persulfate	Ammonium Persulfate	100%	7727-54-0						0.012%
Dry Breaker	1	0%		110	pounds	1	1.32	32.01%	0.000%
	*	0%			*				0.000%
Buffer CL	Potassium Hydroxide	50%	1310-58-3						0.000%
Buffering Agent	20	0%	9	0	gallons	0	0.00	0.00%	0.000%
	1	0%							0.000%
Plexset-730		0%		ĺ					0.000%
Resin Activator		0%		45	gallons	10	2.95	-70.48%	0.000%
		0%							0.000%
PS-102		0%							0.000%
Scale Inhibitor	l	0%		22	gallons	0.25	0.26	5.61%	0.000%
		0%			-				0.000%
				0		0	0.00	0.00%	
20/40 White	Quartz, (Crystalline Silica)	100%	14808-60-7	80296	lb	80000	80296	0.4%	8.963%
20/40 Resin	Quartz, (Crystalline Silica)	100%	14808-60-7	15866	lb	20000	15866	-20.7%	1.8%
0	Quartz, (Crystalline Silica)	100%	14808-60-7	104523	lb	0	104523	0.0%	11.7%
					7==		Average:	-2.4%	
Total fluid pumped (includes acid)	1984	bbl	Avg. Rate	28	BPM				
Acid Pumped	0	bbl	Max. Rate	31	ВРМ				
Fresh water pumped	1984	bbl	Avg. Press.	2492	PSI				
Total sand pumped	200685	lbs	Max. Press.	5232	PSI				
									20170

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/

Sam Brownback, Governor

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

September 28, 2013

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

Re: ACO1 API 15-033-21614-01-00 Brentley 1-6H NW/4 Sec.06-32S-19W Comanche 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