Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1125216

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 # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 34464
Name: Lariat Services, Inc.
Wellsite Geologist: Joe Hileman
Purchaser: DCP Midstream, LP (gas) NCRA (oil)

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☑ 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:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

2/25/2013	3/17/2013	4/17/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-033-21695-01-00
Spot Description:
SW SE SE SW Sec. 18 Twp. 31 S. R. 19 ☐ East ☑ West
200 Feet from ☐ North / ☑ South Line of Section
2280 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Comanche
Lease Name: Sean 3119 Well #: 4-18H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 2129 Kelly Bushing: 2149
Total Vertical Depth: 9555 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 290 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.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 10000 ppm Fluid volume: 7560 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Lojo Disposal
Lease Name: Unnamed License #: 99999
Quarter SW Sec. 10 Twp. 26 S. R. 15 ☐ East ☑ West
County: Woods, OK Permit #: 563714

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: 06/24/2013
☑ **Confidential Release Date:** 06/24/2015
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 06/24/2013

1125216

Operator Name: SandRidge Exploration and Production LLC Lease Name: Sean 3119 Well #: 4-18H

Sec. 18 Twp. 31 S. R. 19 ☐ East ☑ West County: Comanche

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Base Heebner Shale Marker	4236	
Lansing Ls/Shale Group	4378	
Oswego Ls Group	4933	
Cherokee Shale Marker	4994	
Miss Unconformity	5104	
Mississippi 'Solid'	5114	

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, 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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
Attached	Attached	Attached	Attached

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 4/26/2013

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sean 3119 4-18H
Doc ID	1125216

All Electric Logs Run

Resistivity
Density
Mudlog
Boresight

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sean 3119 4-18H
Doc ID	1125216

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9123-9434	4221 bbls water, 36 bbls acid, 75M lbs sd, 4434 TLTR	
5	8720-9038	4215 bbls water, 35 bbls acid, 75M lbs sd, 8897 TLTR	
5	8264-8630	4208 bbls water, 36 bbls acid, 75M lbs sd, 13354 TLTR	
5	7828-8184	4201 bbls water, 36 bbls acid, 75M lbs sd, 17751 TLTR	
5	7418-7778	4195 bbls water, 36 bbls acid, 75M lbs sd, 22006 TLTR	
5	7080-7365	4189 bbls water, 36 bbls acid, 75M lbs sd, 26249 TLTR	
5	6628-6978	4182 bbls water, 36 bbls acid, 75M lbs sd, 30531 TLTR	
5	6173-6480	4175 bbls water, 36 bbls acid, 75M lbs sd, 34636 TLTR	
5	5796-6120	4169 bbls water, 36 bbls acid, 75M lbs sd, 39077 TLTR	
5	5356-5690	4163 bbls water, 36 bbls acid, 75M lbs sd, 43235 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sean 3119 4-18H
Doc ID	1125216

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	120	Pro Oilfield Services 10 Sack Grout	13	none
Surface	17.5	13.37	68	290	O-Tex Lite Premium Plus 65/ Premium Plus (Class C0	480	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C41P
Intermediate 1	12.25	9.63	36	1005	O-Tex Lite Premium Plus 65/ Premium Plus (Class C0	600	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C41P
Intermediate 2	8.75	7	26	5584	50/50 Poz Premium/ Premium	215	4% gel, .4% c12, .1% C37, .5% C41P, 2 lb/sk Phenoseal

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sean 3119 4-18H
Doc ID	1125216

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Liner	6.12	4.5	11.6	9555	50/50 Premium Poz	470	4% gel, .4% C12, .5% C-41P, 2 lb/sk Phenoseal

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

Kansas
Corporation Commission

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

March 19, 2013

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

Re: ACO1
API 15-033-21695-01-00
Sean 3119 4-18H
SW/4 Sec.18-31S-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,
Tiffany Golay

PRO OILFIELD SERVICES, LLC

P.O. BOX 3660
HOUMA, LA 70361-3660

Division : 0701
Delivery Ticket : 4408
Delivery Date : 3/4/2013
Office : 12/1/1901

Ordered By :
Lease/Well : SEAN 3119 4-18H
Rig Name/Number : LARIAT 38
AFE Number :
Site Contact :
:
:
:

Customer : SAN400

BILL TO : **SANDRIDGE ENERGY**
123 ROBERT S KERR AVENUE
OKLAHOMA CITY, OK 73102-6406
PHONE: (405) 753-5500 FAX: ()

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	SEAN 3119 4-18H	$21,750.00	$0.00	$21,750.00	2/28/2013 2/28/2013	$21,750.00
120	DRILLED 30" CONDUCTOR HOLE	$0.00	$0.00	$0.00	2/28/2013 2/28/2013	
120	20" CONDUCTOR PIPE (.250 WALL)	$0.00	$0.00	$0.00	2/28/2013 2/28/2013	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	$0.00	$0.00	$0.00	2/28/2013 2/28/2013	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	$0.00	$0.00	$0.00	2/28/2013 2/28/2013	
70	DRILLED 20" MOUSE HOLE (PER FOOT)	$0.00	$0.00	$0.00	2/28/2013 2/28/2013	
70	16" CONDUCTOR PIPE (.250 WALL)	$0.00	$0.00	$0.00	2/28/2013 2/28/2013	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	$0.00	$0.00	$0.00	2/28/2013 2/28/2013	
1	WELDING SERVICES FOR PIPE & LIDS	$0.00	$0.00	$0.00	2/28/2013 2/28/2013	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	$0.00	$0.00	$0.00	2/28/2013 2/28/2013	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	$0.00	$0.00	$0.00	2/28/2013 2/28/2013	
13	CEMENT 10 SACK GROUT	$0.00	$0.00	$0.00	2/28/2013 2/28/2013	
	Sub Total:	$21,750.00	$0.00			$21,750.00

Print Name

Signature

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2479	03/03/13

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Roger Barber

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Sean 3119	4-18H	Surface	L.ARNEY

EMP NAME							
L. ARNEY		0					
M. ARNEY							
D. TEWELL							
G. WOMACK							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 275'

	Called Out	On Location	Job Started	Job Completed
Date	3/3/2013	3/3/2013	3/3/2013	3/3/2013
Time	1100	16:00	1858	2030

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		68#	13 3/8	Surface		5,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			17 1/2"	Surface	275'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	resh Wate	BBL. 20		8.33
Spacer type	Caustic	BBL. 10		8.40
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
3/3	4.5
Total	4.5

Operating Hours

Date	Hours
3/3	1.5
Total	1.5

Description of Job

Surface

Pressures

MAX 1,000 PSI AVG 120

Average Rates in BPM

MAX 6 BPM AVG 4

Cement Left in Pipe

Feet 37' Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	110	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	270	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	100	Premium Plus (Class C)	* 2% Calcium Chloride (On the Side)	6.32	1.32	14.80

Summary

Preflush		Type:		Preflush:	BBl	10.00	Type: Fresh Water
Breakdown		MAXIMUM	5,000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	47	Calc.Disp Bbl 40
		Actual TOC	SURFACE	Calc. TOC:		Surface	Actual Disp. 38.00
Average		Bump Plug PSI:	700	Final Circ.	PSI:	200	Disp:Bbl
ISIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	100.0	
				Total Volume	BBl	148.00	

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2480	03/04/13

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	Sandridge Exploration & Production	Roger Barber

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Sean 3119	4-18H	Surface	Johnny Breeze

EMP NAME

Johnny Breeze		Roy					
Dustin Odom							
Wallace Berry							
Flo Helkena							

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 1000

	Called Out	On Location	Job Started	Job Completed
Date	3/4/2013	3/4/2013	3/4/2013	3/4/2013
Time	0800	1500	2027	2300

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		36#	9 5/8	Surface	1,010	5,000
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4	Surface	1,000	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9		Lb/Gal
Disp. Fluid	Fresh Water	Density 8.33		Lb/Gal
Spacer type	resh Wate	BBL. 20		8.33
Spacer type	Caustic	BBL. 10		8.40
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	
Perfpac Balls		Qty.		
Other				
Other				
Other				
Other				
Other				

Hours On Location

Date	Hours
3/4	8.0
Total	8.0

Operating Hours

Date	Hours
3/4	4.0
Total	4.0

Description of Job

Surface

Pressures

MAX 1500 PSI AVG 100

Average Rates in BPM

MAX 8 BPM AVG 5

Cement Left in Pipe

Feet 86 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	440	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	160	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:		Preflush:	BBl	10.00	Type: Fresh Water
Breakdown		MAXIMUM	1500 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	35	Calc.Disp Bbl 71
		Actual TOC	Surface	Calc. TOC:		Surface	Actual Disp. 71.38
Average		Bump Plug PSI:	720	Final Circ.	PSI:	150	Disp:Bbl
ISIP	5 Min	10 Min	15 Min	Cement Slurry:	BBl	181.8	
				Total Volume	BBl	263.18	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2492	03/10/13

COUNTY	State	COMPANY	CUSTOMER REP
Commanche	Kansas	Sandridge Exploration & Production	Roger Barber

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Sean 3119	4-18H	Intermediate	Johnny Breeze

EMP NAME

Johnny Breeze		Cheryl Newton					
Wesley Truex		Eric Parsons					
Vontray							
Mike Hall							

Form. Name _____ Type: _____

Packer Type _____ Set At 4,242

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 5592

	Called Out	On Location	Job Started	Job Completed
Date	3/10/2013	3/10/2013	3/10/2013	3/10/2013
Time		4:00pm	6:30pm	8:30pm

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing		26#	7"		Surface	5,493	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,495	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density 9	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	resh Wate	BBL. 20		8.33
Spacer type	Caustic	BBL. 10		8.40
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
3/10	4.0
Total	4.0

Operating Hours

Date	Hours
3/10	2.0
Total	2.0

Description of Job

Intermediate

Pressures

MAX 5,000 PSI AVG. 400

Average Rates in BPM

MAX 8 BPM AVG 5

Cement Left in Pipe

Feet 91 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	115	50/50 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.5% C-41P - 2 lb/sk Phenoseal	6.77	1.44	13.60
2	100	Premium	0.4% C-12 - 0.1% C-37	5.20	1.18	15.60
3	0	0	0	0.00	0.00	0.00

Summary

Preflush _____ Type: _____

Breakdown _____ MAXIMUM 5,000 PSI

_____ Lost Returns-N NO/FULL

_____ Actual TOC _____

Average _____ Bump Plug PSI: 3,500

ISIP _____ 5 Min. _____ 10 Min _____ 15 Min _____

Preflush:	BBl	30.00
Load & Bkdn:	Gal - BBl	N/A
Excess /Return	BBl	N/A
Calc. TOC:		4,242
Final Circ.	PSI:	2,900
Cement Slurry:	BBl	50.5
Total Volume	BBl	290.50

Type: WEIGHTED SP.

Pad:Bbl -Gal N/A

Calc.Disp Bbl 210

Actual Disp. 210.00

Disp:Bbl _____

CUSTOMER REPRESENTATIVE _____

SIGNATURE

JOB SUMMARY

PROJECT NUMBER	TICKET DATE
SOK 2521	03/18/13

COUNTY	State	COMPANY	CUSTOMER REP
Comanche	Kansas	dridge Exploration & Produc	Roger Barber

LEASE NAME	Well No.	JOB TYPE	EMPLOYEE NAME
Sean 3119	4-18H	Liner	Nate / Ricky

EMP NAME		EMP NAME		EMP NAME		EMP NAME	
Nathan Cotta		Eric Parsons					
Wesley Truex							
Vontray							
Ricky stephens							

Form. Name _____ Type: _____

Packer Type _____ Set At 5,584'

Bottom Hole Temp. 150 Pressure _____

Retainer Depth _____ Total Depth 9,555'

	Called Out	On Location	Job Started	Job Completed
Date	4/30/2012	4/30/2012	4/30/2012	4/30/2012
Time		6:00pm	6:50pm	8:30pm

Tools and Accessories

Type and Size	Qty	Make
Auto Fill Tube	0	Weatherford
Insert Float Val	0	
Centralizers	0	
Top Plug	0	
HEAD	0	
Limit clamp	0	
Weld-A	0	
Texas Pattern Guide Shoe	0	
Cement Basket	0	

Well Data

	New/Used	Weight	Size Grade	From	To	Max. Allow
Casing		11.6	4 1/2	5180.82	9,555'	5,000
Liner Tool						
HWDP				3,895	5,181	
Drill Pipe			3 1/2"	Surf.	3,895	
Drill Collars						
Open Hole			6 1/8"	Surface	9,555'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials

Mud Type	WBM	Density 9.1	Lb/Gal	
Disp. Fluid	Fresh Water	Density 8.33	Lb/Gal	
Spacer type	resh Wate	BBL. 20		8.33
Spacer type		BBL.		8.40
Acid Type		Gal.	%	
Acid Type		Gal.	%	
Surfactant		Gal.	In	
NE Agent		Gal.	In	
Fluid Loss		Gal/Lb	In	
Gelling Agent		Gal/Lb	In	
Fric. Red.		Gal/Lb	In	
MISC.		Gal/Lb	In	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location

Date	Hours
4/30	4.0
Total	4.0

Operating Hours

Date	Hours
4/30	2.0
Total	2.0

Description of Job

Liner

Pressures

MAX 5000 PSI AVG. 400

Average Rates in BPM

MAX 7 BPM AVG 5

Cement Left in Pipe

Feet 92 Reason SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	470	50/50 Premium Poz	(4%Gel) - .4% C12 - .1% C37 - 0.5% C-41P - 2 Lb/Sk Phenoseal	6.77	1.44	13.60
2	0	0	0	0.00	0.00	0.00
3	0	0	0	0.00	0.00	0.00

Summary

Preflush		Type:	Weighted Spacer	Preflush:	BBl	30.00	Type: 8.59#SPACER
Breakdown		MAXIMUM	5000 PSI	Load & Bkdn:	Gal - BBl	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBl	N/A	Calc.Disp Bbl 115
		Actual TOC		Calc. TOC:			Actual Disp. 114.00
Average		Bump Plug PSI:	1,600	Final Circ.	PSI:	1,000	Disp:Bbl
S.F	5 Min.	10 Min	15 Min	Cement Slurry:	BBl	120.5	
				Total Volume	BBl	264.54	

CUSTOMER REPRESENTATIVE _____ SIGNATURE

Sandridge Energy

Sean 3119 4-18H (Final)

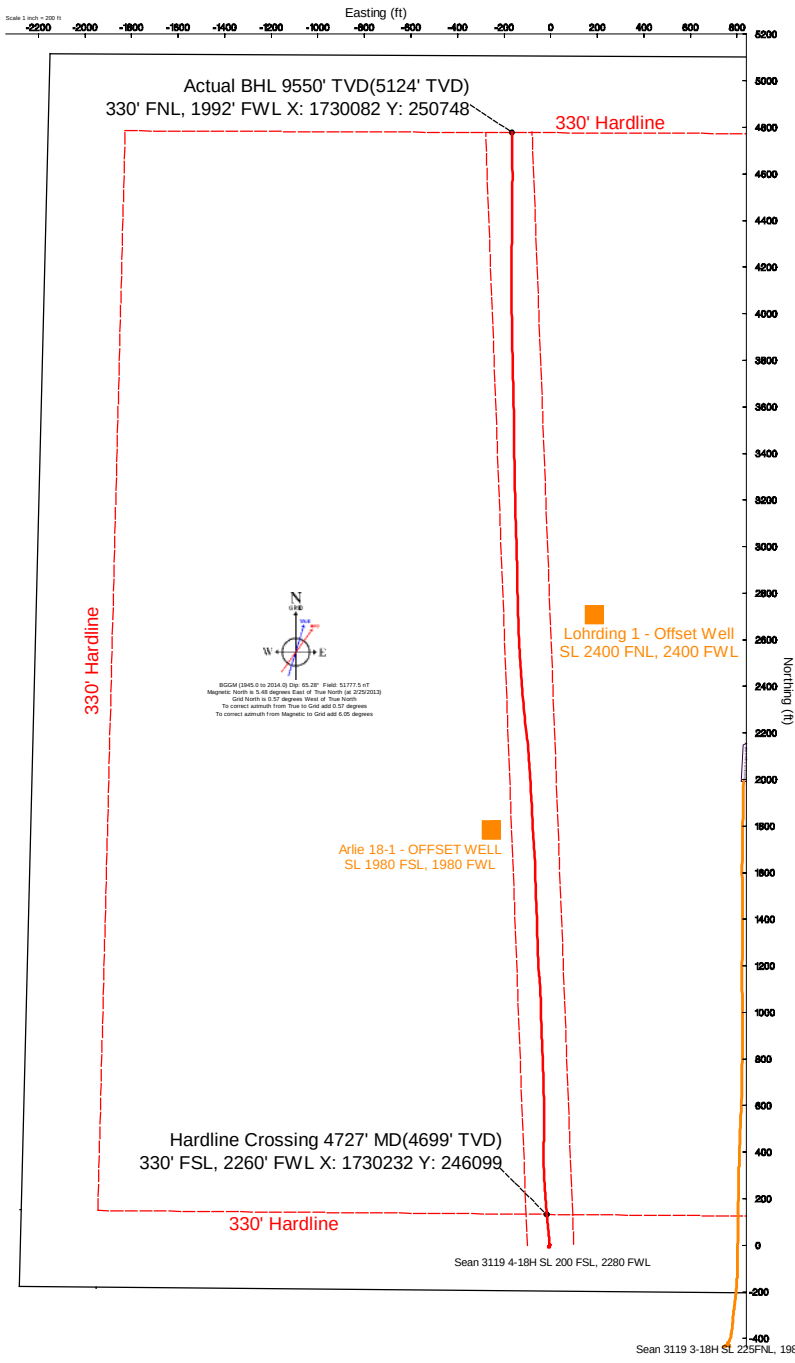
Sean 3119 4-18H SL 200 FSL, 2280 FWL

Comanche County, Kansas (Sandridge Energy) NAD27 / Grid

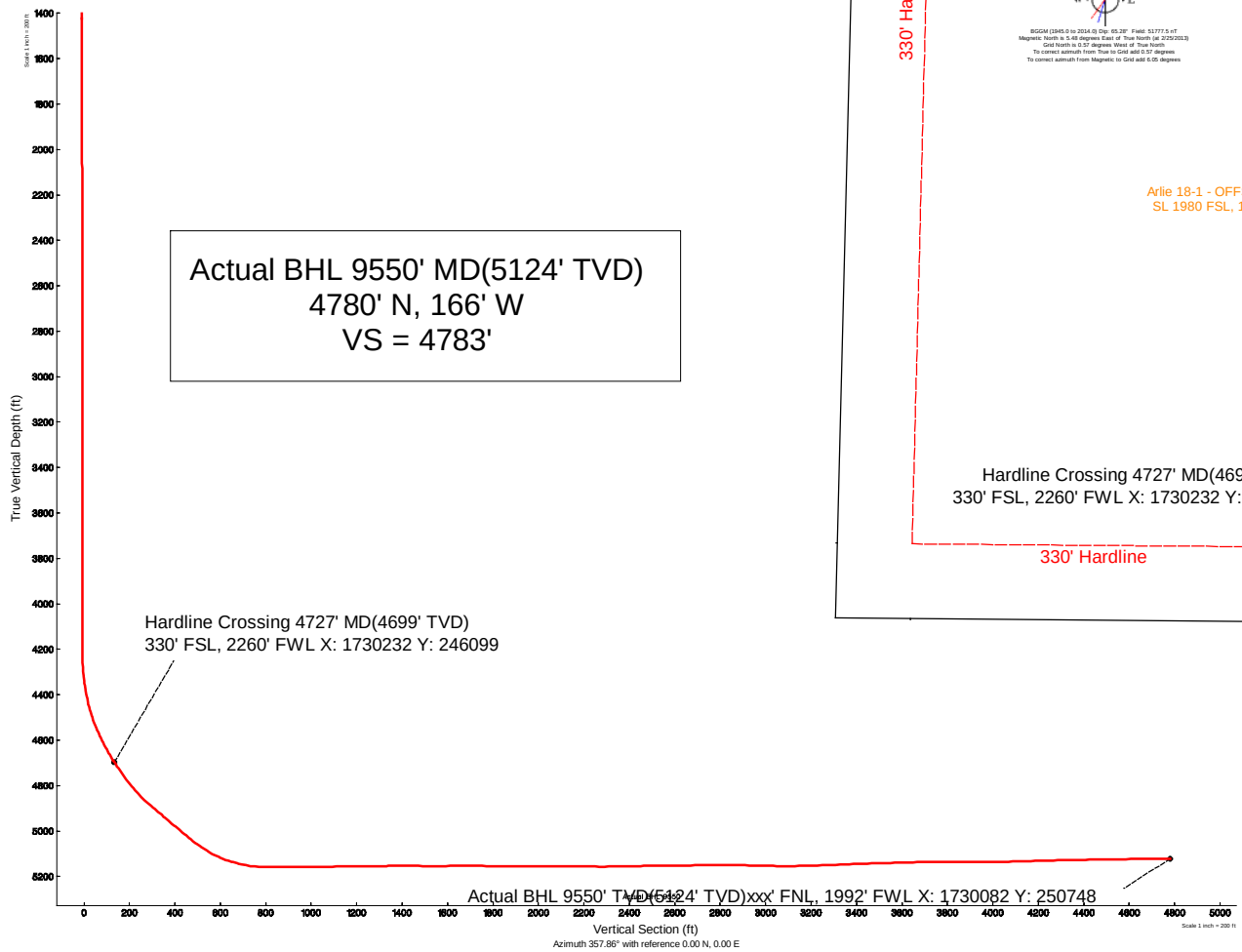
Plot reference wellpath is Plan 2	
True vertical depths are referenced to Lariat 38 (KB)	Grid System: NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet
Measured depths are referenced to Lariat 38 (KB)	North Reference: Grid north
Lariat 38 (KB) to Mean Sea Level: 2144 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: Sean 3119 4-18H SL 200 FSL, 2280 FWL): -2124 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: broomarl on 3/14/2013

Location Information

Facility Name			Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Sean 3119 4-18H Sec. 18-31S-19W			1730248.000	245968.000	37°20'18.608"N	99°25'40.223"W
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Sean 3119 4-18H SL 200 FSL, 2280 FWL	0.00	0.00	1730248.000	245968.000	37°20'18.608"N	99°25'40.223"W
Lariat 38 (KB) to Mud line (At Slot: Sean 3119 4-18H SL 200 FSL, 2280 FWL)					20ft	
Mean Sea Level to Mud line (At Slot: Sean 3119 4-18H SL 200 FSL, 2280 FWL)					-2124ft	
Lariat 38 (KB) to Mean Sea Level					2144ft	



Actual BHL 9550' MD(5124' TVD)
4780' N, 166' W
VS = 4783'



Actual Wellpath Report

Sandridge Sean 3119 4-18H_Final Surveys.

REFERENCE WELLPATH IDENTIFICATION

Operator	**Sandridge Energy**	Slot	**Sean 3119 4-18H SL 200 FSL, 2280 FWL**
Area	**Kansas**	Well	**Subject**
Field	**Comanche County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Sean 3119 4-18H Actual**
Facility	**Sean 3119 4-18H Sec. 18-31S-19W**		

REPORT SETUP INFORMATION

Projection System	**NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet**		
North Reference	**Grid**	Software System	**WellArchitect 3.0.0**
Convergence at slot	**0.57° West**	User	**Broomarl**
Scale	**0.999987**	Report Generated	**3/26/2013** at **2:57:43 PM**
Wellbore last revised	**02-25-2013**	Database/Source file	**WA_OklahomaCity**

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	**East[ft]**	**Easting[US ft]**	**Northing[US ft]**	**Latitude**	**Longitude**
Slot Location	**0.00**	**0.00**	1730248.00	245968.00	37°20'18.608"N	99°25'40.223"W
Facility Reference Pt			**1730248.00**	**245968.00**	37°20'18.608"N	99°25'40.223"W
Field Reference Pt			1773194.47	191302.75	**37°11'22.030"N**	**99°16'42.810"W**

WELLPATH DATUM

Calculation method	**Minimum curvature**	Lariat 38 (KB) to Facility Vertical Datum	**20.00ft**
Horizontal Reference Pt	**Slot**	Lariat 38 (KB) to Mean Sea Level	**2144.00ft**
Vertical Reference Pt	**Lariat 38 (KB)**	Lariat 38 (KB) to Mud Line at Slot (Sean 3119 4-18H SL 200 FSL, 2280 FWL)	**20.00ft**
MD Reference Pt	**Lariat 38 (KB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**357.86°**

Actual Wellpath Report

Sandridge Sean 3119 4-18H_Final Surveys.

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Sean 3119 4-18H SL 200 FSL, 2280 FWL**
Area	**Kansas**	Well	**Subject**
Field	**Comanche County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Sean 3119 4-18H Actual**
Facility	**Sean 3119 4-18H Sec. 18-31S-19W**		

WELLPATH DATA (100 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
0.00	0.000	215.420	0.00	0.00	0.00	0.00	1730248.00	245968.00	0.00	
20.00	0.000	215.420	20.00	0.00	0.00	0.00	1730248.00	245968.00	0.00	
255.00	0.300	215.420	255.00	-0.49	-0.50	-0.36	1730247.64	245967.50	0.13	
516.00	0.800	215.420	515.99	-2.47	-2.54	-1.81	1730246.19	245965.46	0.19	
758.00	0.900	215.420	757.96	-5.32	-5.47	-3.89	1730244.11	245962.53	0.04	
1001.00	1.200	215.420	1000.92	-8.85	-9.10	-6.47	1730241.53	245958.90	0.12	
1181.00	0.340	215.420	1180.90	-10.77	-11.07	-7.87	1730240.13	245956.93	0.48	
1632.00	0.110	171.030	1631.90	-12.26	-12.59	-8.58	1730239.42	245955.41	0.06	
2089.00	0.560	30.570	2088.89	-10.81	-11.10	-7.38	1730240.62	245956.90	0.14	
2547.00	0.110	277.340	2546.88	-8.86	-9.11	-6.67	1730241.33	245958.89	0.13	
3005.00	0.230	229.090	3004.88	-9.36	-9.66	-7.80	1730240.20	245958.34	0.04	
3463.00	0.330	107.490	3462.88	-10.38	-10.66	-7.24	1730240.76	245957.34	0.11	
3924.00	0.150	344.410	3923.88	-10.24	-10.48	-6.14	1730241.86	245957.52	0.09	
4200.00	0.250	61.610	4199.87	-9.62	-9.84	-5.70	1730242.30	245958.16	0.09	
4260.00	1.680	0.220	4259.87	-8.68	-8.90	-5.59	1730242.41	245959.10	2.63	
4291.00	4.070	359.770	4290.82	-7.13	-7.35	-5.59	1730242.41	245960.65	7.71	
4321.00	6.450	0.070	4320.70	-4.38	-4.60	-5.59	1730242.41	245963.41	7.93	
4352.00	8.190	0.460	4351.44	-0.44	-0.65	-5.57	1730242.43	245967.35	5.62	
4382.00	9.550	0.660	4381.08	4.18	3.98	-5.53	1730242.48	245971.98	4.53	
4412.00	11.260	0.380	4410.59	9.60	9.40	-5.48	1730242.52	245977.40	5.70	
4443.00	13.150	358.830	4440.89	16.15	15.95	-5.53	1730242.47	245983.95	6.19	
4473.00	16.090	356.540	4469.91	23.72	23.51	-5.85	1730242.15	245991.51	9.99	
4505.00	19.070	355.760	4500.41	33.38	33.16	-6.50	1730241.50	246001.15	9.34	
4535.00	21.140	355.240	4528.58	43.68	43.43	-7.32	1730240.69	246011.43	6.93	
4565.00	23.340	354.520	4556.35	55.02	54.74	-8.33	1730239.67	246022.74	7.39	
4596.00	25.590	354.010	4584.57	67.83	67.52	-9.62	1730238.38	246035.51	7.29	
4626.00	27.400	353.890	4611.41	81.18	80.82	-11.03	1730236.97	246048.82	6.04	
4657.00	28.760	354.060	4638.76	95.74	95.34	-12.56	1730235.44	246063.33	4.39	
4687.00	30.040	354.340	4664.90	110.44	109.99	-14.05	1730233.95	246077.98	4.29	
4718.00	31.840	354.430	4691.49	126.34	125.85	-15.61	1730232.39	246093.85	5.81	
4727.00	32.421	354.716	4699.11	131.12	130.61	-16.06	1730231.94	246098.61	6.68	**Hardline Crossing 4727' MD(4699' TVD)330' FSL, 2260' FWL X: 173023**
4748.00	33.780	355.350	4716.70	142.58	142.04	-17.05	1730230.95	246110.04	6.68	
4779.00	34.910	355.930	4742.30	160.05	159.48	-18.38	1730229.62	246127.47	3.79	
4809.00	36.810	356.000	4766.61	177.62	177.01	-19.61	1730228.39	246145.00	6.33	
4839.00	38.210	356.340	4790.41	195.87	195.23	-20.83	1730227.17	246163.23	4.72	
4870.00	40.240	356.500	4814.42	215.47	214.80	-22.06	1730225.94	246182.79	6.56	
4900.00	42.670	356.060	4836.90	235.32	234.61	-23.35	1730224.65	246202.61	8.16	
4931.00	45.460	356.190	4859.17	256.87	256.12	-24.80	1730223.20	246224.12	9.00	
4961.00	48.270	356.600	4879.68	278.75	277.97	-26.18	1730221.82	246245.96	9.42	
4992.00	50.490	357.370	4899.86	302.28	301.46	-27.41	1730220.59	246269.46	7.41	
5053.00	49.780	359.060	4938.97	349.10	348.26	-28.88	1730219.13	246316.25	2.42	
5113.00	49.840	0.420	4977.69	394.90	394.09	-29.08	1730218.92	246362.09	1.73	
5144.00	49.860	0.490	4997.68	418.57	417.79	-28.89	1730219.11	246385.78	0.18	
5174.00	49.710	0.830	5017.04	441.46	440.69	-28.63	1730219.37	246408.69	1.00	
5205.00	50.630	0.780	5036.90	465.23	464.50	-28.30	1730219.70	246432.49	2.97	

Actual Wellpath Report

Sandridge Sean 3119 4-18H_Final Surveys.

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Sean 3119 4-18H SL 200 FSL, 2280 FWL**
Area	**Kansas**	Well	**Subject**
Field	**Comanche County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Sean 3119 4-18H Actual**
Facility	**Sean 3119 4-18H Sec. 18-31S-19W**		

WELLPATH DATA (100 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
5235.00	53.210	0.390	5055.40	488.82	488.11	-28.06	1730219.94	246456.10	8.66	
5266.00	56.090	0.100	5073.34	514.08	513.39	-27.95	1730220.05	246481.38	9.32	
5296.00	58.930	0.080	5089.45	539.36	538.69	-27.91	1730220.09	246506.68	9.47	
5326.00	62.440	359.680	5104.13	565.50	564.85	-27.97	1730220.03	246532.84	11.76	
5356.00	65.650	359.550	5117.26	592.45	591.82	-28.15	1730219.85	246559.81	10.71	
5386.00	68.930	359.590	5128.84	620.11	619.49	-28.36	1730219.64	246587.48	10.93	
5416.00	73.090	359.100	5138.60	648.46	647.84	-28.68	1730219.32	246615.83	13.95	
5447.00	76.420	358.760	5146.75	678.36	677.74	-29.24	1730218.76	246645.73	10.79	
5508.00	83.370	357.990	5157.45	738.38	737.74	-30.95	1730217.05	246705.72	11.46	
5539.00	87.230	357.990	5159.99	769.27	768.61	-32.03	1730215.97	246736.60	12.45	
5567.00	89.630	357.730	5160.76	797.25	796.58	-33.08	1730214.93	246764.56	8.62	
5650.00	90.120	357.200	5160.94	880.25	879.49	-36.75	1730211.25	246847.48	0.87	
5742.00	90.520	359.150	5160.42	972.24	971.44	-39.68	1730208.32	246939.43	2.16	
5833.00	90.680	357.630	5159.47	1063.23	1062.40	-42.23	1730205.77	247030.38	1.68	
5925.00	89.940	355.130	5158.97	1155.19	1154.20	-48.04	1730199.96	247122.19	2.83	
6018.00	90.930	357.730	5158.27	1248.15	1247.01	-53.83	1730194.17	247214.99	2.99	
6109.00	91.690	359.020	5156.19	1339.12	1337.95	-56.41	1730191.59	247305.93	1.64	
6201.00	88.920	357.080	5155.70	1431.11	1429.88	-59.54	1730188.46	247397.86	3.68	
6293.00	89.510	358.070	5156.96	1523.10	1521.79	-63.43	1730184.57	247489.76	1.25	
6385.00	91.540	358.900	5156.11	1615.08	1613.75	-65.87	1730182.14	247581.72	2.38	
6476.00	89.200	355.570	5155.53	1706.05	1704.62	-70.26	1730177.75	247672.59	4.47	
6568.00	89.200	356.970	5156.81	1798.01	1796.41	-76.24	1730171.76	247764.39	1.52	
6663.00	89.850	357.410	5157.60	1893.00	1891.30	-80.90	1730167.10	247859.27	0.83	
6758.00	89.660	356.130	5158.00	1987.98	1986.14	-86.25	1730161.75	247954.11	1.36	
6853.00	91.080	356.940	5157.39	2082.95	2080.96	-91.99	1730156.01	248048.93	1.72	
6948.00	88.400	352.990	5157.82	2177.80	2175.57	-100.33	1730147.68	248143.53	5.02	
7043.00	89.970	353.940	5159.17	2272.51	2269.94	-111.14	1730136.87	248237.90	1.93	
7138.00	91.450	355.660	5158.00	2367.36	2364.53	-119.74	1730128.26	248332.50	2.39	
7233.00	90.650	355.860	5156.26	2462.28	2459.26	-126.77	1730121.23	248427.22	0.87	
7328.00	90.800	357.050	5155.05	2557.24	2554.06	-132.64	1730115.36	248522.03	1.26	
7423.00	90.620	357.680	5153.88	2652.23	2648.96	-137.01	1730110.99	248616.92	0.69	
7518.00	90.710	358.480	5152.77	2747.22	2743.90	-140.19	1730107.81	248711.85	0.85	
7613.00	89.660	359.420	5152.47	2842.20	2838.88	-141.93	1730106.07	248806.83	1.48	
7708.00	88.490	358.230	5154.00	2937.17	2933.84	-143.88	1730104.12	248901.80	1.76	
7803.00	89.020	358.440	5156.06	3032.14	3028.78	-146.64	1730101.36	248996.73	0.60	
7832.00	88.890	357.940	5156.59	3061.14	3057.76	-147.55	1730100.45	249025.71	1.78	
7927.00	91.700	358.390	5156.10	3156.13	3152.70	-150.60	1730097.41	249120.65	3.00	
8022.00	91.940	359.160	5153.09	3251.07	3247.63	-152.63	1730095.38	249215.58	0.85	
8117.00	92.590	358.750	5149.33	3345.97	3342.54	-154.36	1730093.65	249310.49	0.81	
8212.00	91.570	359.010	5145.88	3440.89	3437.46	-156.21	1730091.79	249405.40	1.11	
8307.00	91.470	359.610	5143.36	3535.83	3532.42	-157.36	1730090.65	249500.36	0.64	
8402.00	91.970	358.770	5140.51	3630.76	3627.36	-158.70	1730089.30	249595.31	1.03	
8497.00	89.660	358.580	5139.16	3725.73	3722.32	-160.89	1730087.11	249690.26	2.44	
8592.00	90.000	358.820	5139.44	3820.72	3817.30	-163.05	1730084.95	249785.24	0.44	
8687.00	89.970	359.030	5139.47	3915.71	3912.28	-164.83	1730083.17	249880.22	0.22	

Actual Wellpath Report

Sandridge Sean 3119 4-18H_Final Surveys.

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Sean 3119 4-18H SL 200 FSL, 2280 FWL**
Area	**Kansas**	Well	**Subject**
Field	**Comanche County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Sean 3119 4-18H Actual**
Facility	**Sean 3119 4-18H Sec. 18-31S-19W**		

WELLPATH DATA (100 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
8782.00	91.110	359.200	5138.57	4010.68	4007.26	-166.30	1730081.70	249975.20	1.21	
8877.00	91.570	359.960	5136.35	4105.61	4102.23	-167.00	1730081.01	250070.17	0.93	
8972.00	91.700	0.060	5133.64	4200.50	4197.19	-166.98	1730081.02	250165.13	0.17	
9067.00	91.390	0.830	5131.08	4295.37	4292.15	-166.24	1730081.76	250260.09	0.87	
9162.00	90.800	0.760	5129.26	4390.23	4387.13	-164.92	1730083.08	250355.06	0.63	
9257.00	91.330	0.410	5127.50	4485.10	4482.11	-163.95	1730084.05	250450.04	0.67	
9352.00	90.310	0.190	5126.14	4580.00	4577.09	-163.46	1730084.55	250545.02	1.10	
9447.00	90.520	359.170	5125.45	4674.95	4672.09	-163.99	1730084.02	250640.02	1.10	
9515.00	90.680	359.190	5124.74	4742.93	4740.08	-164.96	1730083.04	250708.01	0.24	
9555.00	90.680	359.190	5124.26	4782.92	4780.07	-165.53	1730082.48	250748.00	0.00	**Actual BHL 9550' TVD(5124' TVD)xxx' FNL, 1992' FWL X: 1730082**

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BHL 330' FNL, 1980' FWL		5130.60	4780.07	-179.00	**1730069.00**	**250748.00**	37°21'05.849"N	99°25'43.029"W	point

WELLPATH COMPOSITION - Ref Wellbore: Sean 3119 4-18H Actual Ref Wellpath: AWP - Final

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	1001.00	Generic gyro - northseeking (Standard)	Gyro Surveys	Sean 3119 4-18H Actual
1001.00	9515.00	NaviTrak (Standard)	INTEQ MWD	Sean 3119 4-18H Actual
9515.00	9555.00	Blind Drilling (std)	Projection to bit	Sean 3119 4-18H Actual

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/13/2013
Job End Date:	4/15/2013
State:	Kansas
County:	Comanche
API Number:	15-033-21695-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Sean 3119 4-18H
Longitude:	-99.42780000
Latitude:	37.33850000
Datum:	NAD27
Federal/Tribal Well:	NO
Total Base Water Volume (gal):	1,772,717
Total Base Non Water Volume:	

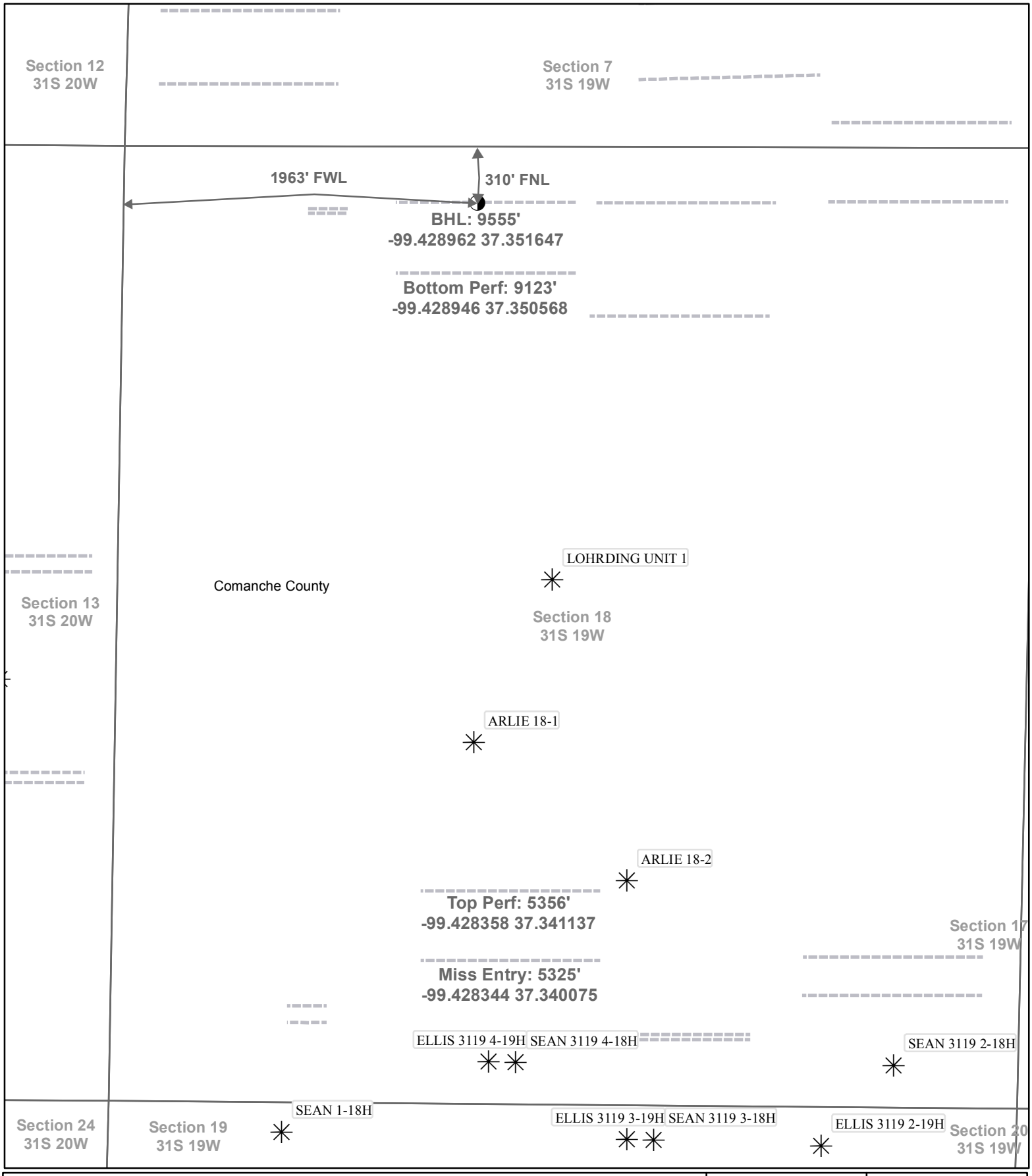
Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
C102	Bosque Disposal Systems, LLC	Oxidizer					
			Chlorine Dioxide	10049-04-4	15.00000	100.00000	
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.							
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sorbitan monooleate	1338-43-8	0.02334		
			Sorbitol Tetraoleate	61723-83-9	0.01667		
			Trisodium ortho phosphate	7601-54-9	0.02671		
			Sodium erythorbate	6381-77-7	0.02123		
			Ethoxylated oleic acid	9004-96-0	0.02667		
			Polyethylene glycol monohexyl ether	31726-34-8	0.11224		
			2-Propenoic acid, ammonium salt	10604-69-0	0.00667		
			Water (Including Mix Water Supplied by Client)*	NA			
			Fatty acids, tall-oil	61790-12-3	0.00821		
			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00492		
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.01374		

			Potassium hydroxide	1310-58-3	0.00022		
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.01387		
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.01374		
			Prop-2-yn-1-ol	107-19-7	0.00210		
			Hydrogen chloride	7647-01-0	2.70654		
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00676		
			C14 alpha olefin ethoxylate	84133-50-6	0.00733		
			Propan-2-ol	67-63-0	0.00098		
			Methanol	67-56-1	0.01118		
			Alkenes, C>10 a-	64743-02-8	0.00140		
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00315		
			Ethane-1,2-diol	107-21-1	0.00760		
			Distillates (petroleum), hydrotreated light	64742-47-8	0.32006		
			Ammonium chloride	12125-02-9	0.15336		
			Crystalline silica	14808-60-7	96.27699		
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.26672		

* 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)



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Sean 3119 4-18H
Comanche County, Kansas
T&R: 31S 19W
Section: 18, 1963' FWL & 310' FNL
-99.428962 37.351647

1 in = 703 ft

0 500 1,000 2,000 Feet

N

Draftsman: Aaron Birk	Draft Date: 6/17/2013
Drawing Name/Number: Addendum_Sean 3119 4-18H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Remarks

Tiffany Golay 03/19/013 07:46 am	TVD= 5,124'