



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1113572
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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: _____



1113572

Operator Name: _____ 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	Depth

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

Date of First, Resumed Production, SWD or ENHR. _____ 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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sean 3119 3-18H
Doc ID	1113572

All Electric Logs Run

Density
Induction
Mud Log
Boresight

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sean 3119 3-18H
Doc ID	1113572

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9394-9685	4226 bbls water, 36 bbls acid, 75M lbs sd, 4696 TLTR	
5	8978-9242	4220 bbls water, 36 bbls acid, 75M lbs sd, 9230 TLTR	
5	8542-8862	4213 bbls water, 36 bbls acid, 75M lbs sd, 13733 TLTR	
5	8148-8490	4207 bbls water, 36 bbls acid, 75M lbs sd, 18399 TLTR	
5	7573-7962	4198 bbls water, 36 bbls acid, 75M lbs sd, 22996 TLTR	
5	7183-7498	4192 bbls water, 36 bbls acid, 75M lbs sd, 27376 TLTR	
5	6698-6985	4184 bbls water, 36 bbls acid, 75M lbs sd, 31680 TLTR	
5	6224-6616	4177 bbls water, 36 bbls acid, 75M lbs sd, 36068 TLTR	
5	5806-6068	4170 bbls water, 36 bbls acidm 75M lbs sd, 40314 TLTR	
5	5313-5708	4163 bbls water, 36 bbls acid, 75M lbs sd, 44496 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sean 3119 3-18H
Doc ID	1113572

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	12	none
Surface	17.5	13.37	68	290	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	380	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 1	12.25	9.63	36	970	O-Tex Lite Premium Plus 65/ Premium Plus (Class C)	580	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate 2	3.75	7	26	5493	50/50 Poz Premium/ Premium	200	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Sean 3119 3-18H
Doc ID	1113572

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	9971	50/50 Poz Premium Poz	510	4% Gel, .4% C-12, .1% C-37, .5% C-41P, 2 lb/sk Phenoseal

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

February 05, 2013

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

Re: ACO1
API 15-033-21686-01-00
Sean 3119 3-18H
NE/4 Sec.19-31S-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



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

Customer : SAN400

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

Division : 0701
Delivery Ticket : 3762
Delivery Date : 1/8/2013
Office : 12/1/1901

Ordered By :
Lease/Well : SEAN 3119 3-18H
Rig Name/Number LARIAT 38
AFE Number :
Site Contact :
:
:
:

Qty	Description	Min / Standby / Usage Charge	Add Day	Unit Price	Start Date / Stop Date	Extended Line Total
1	SEAN 3119 3-18H	\$21,750.00	\$0.00	\$21,750.00	1/3/2013 1/3/2013	\$21,750.00
120	DRILLED 30" CONDUCTOR HOLE	\$0.00	\$0.00	\$0.00	1/3/2013 1/3/2013	
120	20" CONDUCTOR PIPE (.250 WALL)	\$0.00	\$0.00	\$0.00	1/3/2013 1/3/2013	
1	6'X6' CELLAR TINHORN WITH PROTECTIVE RING	\$0.00	\$0.00	\$0.00	1/3/2013 1/3/2013	
1	DRILL & INSTALL 6'X6' CELLAR TINHORN	\$0.00	\$0.00	\$0.00	1/3/2013 1/3/2013	
75	DRILLED 20" MOUSE HOLE (PER FOOT)	\$0.00	\$0.00	\$0.00	1/3/2013 1/3/2013	
75	16" CONDUCTOR PIPE (.375 WALL)	\$0.00	\$0.00	\$0.00	1/3/2013 1/3/2013	
1	MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE	\$0.00	\$0.00	\$0.00	1/3/2013 1/3/2013	
1	WELDING SERVICES FOR PIPE & LIDS	\$0.00	\$0.00	\$0.00	1/3/2013 1/3/2013	
1	PROVIDED EQUIPMENT & LABOR FOR DIRT REMOVAL	\$0.00	\$0.00	\$0.00	1/3/2013 1/3/2013	
1	PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR THE MOUSEHOLE PIPE)	\$0.00	\$0.00	\$0.00	1/3/2013 1/3/2013	
12	CEMENT 10 SACK GROUT	\$0.00	\$0.00	\$0.00	1/3/2013 1/3/2013	
Sub Total:		\$21,750.00	\$0.00			\$21,750.00

Print Name

Signature

JOB SUMMARY

JOB SUMMARY			PROJECT NUMBER SOK 2329	TICKET DATE 01/16/13
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Felix Ortiz Jr.	
LEASE NAME Sean 3119	Well No. 3-18H	JOB TYPE Surface	EMPLOYEE NAME Daniel Wells	

EMP NAME					
Daniel Wells					
Scott Woods					
Cheryl Newton					
Gale Womack					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 275

Date	Called Out	On Location	Job Started	Job Completed
	1/16/2013	1/16/2013	1/16/2013	1/16/2013
Time	0300	0900	1425	1600

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		68.0	13 3/8		Surface	295	1,500
Liner							
Liner							
Tubing							
Drill Pipe							
Open Hole			17 1/2"		Surface	290	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 Water BBL.		10 8.33
Spacer type	BBL.		
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			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1/16	6.0	1/16	1.0	Surface
Total	6.0	Total	1.0	

MAX 1,000 PSI		AVG 110	
Average Rates in BPM			
MAX 6 BPM		AVG 5	
Cement Left in Pipe			
Feet	37	Reason SHOE JOINT	

Cement Data							
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal	
1	110	EX 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	

Summary							
Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI	10.00	Type: Fresh Water	
	Lost Returns-N	NO/FULL		Load & Bkdn: Gal - BBI	N/A	Pad: Bbl - Gal	N/A
	Actual TOC	SURFACE		Excess /Return BBI	110	Calc. Disp Bbl	39
Average	Bump Plug PSI:	710		Calc. TOC:	SURFACE	Actual Disp.	38.54
5 Min.	10 Min			Final Circ. PSI:	170	Disp: Bbl	38.54
	15 Min			Cement Slurry: BBI	99.5		
				Total Volume BBI	148.06		

CUSTOMER REPRESENTATIVE _____ SIGNATURE *Felix Ortiz Jr.*

JOB SUMMARY

PROJECT NUMBER SOK 2334		TICKET DATE 01/17/13	
COUNTY Comanche	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Roger Barber
LEASE NAME Sean 3119	Well No. 3-18H	JOB TYPE Surface	EMPLOYEE NAME Robert Burris

EMP NAME	0				
Robert Burris					
Frank Reeves					
Wesley Truex					
Gale Womack					

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0

Bottom Hole Temp. _____ 80 Pressure _____

Retainer Depth _____ Total Depth _____ 1000

Date	Called Out	On Location	Job Started	Job Completed
	1/17/2013	1/17/2013	1/17/2013	1/17/2013
Time	13:30	17:00	19:50	21:00

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
Casing		36#	9	5/8	Surface	977
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12	1/4	Surface	970
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
	WBM	Density	Lb/Gal
Mud Type		9	
Disp. Fluid	Fresh Water	Density	8.33
Spacer type	resh Water BBL	10	8.33
Spacer type	BBL		
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		ln
NE Agent	Gal.		ln
Fluid Loss	Gal/Lb		in
Gelling Agent	Gal/Lb		ln
Fric. Red.	Gal/Lb		ln
MISC.	Gal/Lb		ln

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1/17	4.5	1/17	50.0	Surface
Total	4.5	Total	50.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures	
MAX	1500 PSI
AVG.	225
Average Rates in BPM	
MAX	6 BPM
AVG	4
Cement Left in Pipe	
Feet	47
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	320	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	100	Premium Plus (Class C)	* 2% Calcium Chloride (On the Side)	6.32	1.32	14.80

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	1500 PSI _____	Preflush: BBI _____	10.00 _____
	Lost Returns-N _____	NO/FULL _____	Load & Bkdn: Gal - BBI _____	N/A _____	Type: Fresh Water _____
	Actual TOC _____	Surface _____	Excess /Return BBI _____	N/A _____	Pad:Bbl -Gal _____
Average	Bump Plug PSI: _____	1,000 _____	Calc. TOC: _____	Surface _____	Calc. Disp Bbl _____
ISIP _____	5 Min. _____	10 Min _____	Final Circ. _____	500 _____	Actual Disp. _____
	15 Min _____	15 Min _____	Cement Slurry: BBI _____	143.0 _____	Disp:Bbl _____
			Total Volume _____	BBI _____	223.00 _____

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY			PROJECT NUMBER SOK 2365	TICKET DATE 01/25/13
COUNTY Comanche	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Felix Ortiz Jr.	
LEASE NAME Sean 3119	Well No. 3-18H	JOB TYPE Intermediate	EMPLOYEE NAME Matt Wilson	

EMP NAME					
Matt Wilson					
Jared Green					
Arthur Setzar					
David Thomas					

Form. Name _____ Type: _____

Packer Type _____ Set At **4,245**

Bottom Hole Temp. **155** Pressure _____

Retainer Depth _____ Total Depth **5500**

Date	Called Out	On Location	Job Started	Job Completed
	1/25/2013	1/25/2013	1/25/2013	1/25/2013
Time	1:30 pm	5:00 pm	8:23 pm	10:00 pm

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	
Casing		26#	7"		
Liner					
Liner					
Tubing			0		
Drill Pipe					
Open Hole			8 3/4"	Surface	5,500 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 Water 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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1/25	5.0	1/25	4.0	Intermediate
Total	5.0	Total	4.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures	
MAX 5,000 PSI	AVG 300
Average Rates in BPM	
MAX 8 BPM	AVG 5
Cement Left in Pipe	
Feet 90	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	100	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

Summary					
Preflush Breakdown	10	Type: Caustic	Preflush: BBI	30.00	Type: WEIGHTED SP.
		MAXIMUM	Load & Bkdn: Gal - BBI	N/A	Pad: Bbl - Gal N/A
		Lost Returns-N	Excess /Return BBI	N/A	Calc. Disp Bbl 206
		Actual TOC	Calc. TOC: 4,253	750	Actual Disp. 206.00
Average		Bump Plus PSI:	Final Circ. PSI:	45.0	Disp: Bbl
SP 5 Min		10 Min	Cement Slurry: BBI	282.00	
		15 Min	Total Volume BBI		

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

JOB SUMMARY

COUNTY Comanche		State Kansas		COMPANY Bridge Exploration & Produc		PROJECT NUMBER SOK 2394	TICKET DATE 02/03/13
LEASE NAME Sean 3119				Well No. 3-18H		CUSTOMER REP Roger Barber	
				JOB TYPE Liner		EMPLOYEE NAME Nate Cotta	

EMP NAME Nate Cotta	Wesley Truex				
Vontray Watkins					
James Keen					
Robert Stonehocker					

Form. Name _____ Type: _____

Packer Type _____ Set At **5,493'**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **9,971'**

Date	Called Out	On Location	Job Started	Job Completed
	2.3.13	2.3.13	2.3.13	2.3.13
Time	830	1300	1625	1900

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	

	New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing			11.6	4 1/2				
Liner Tool								
HWDP								
Drill Pipe				3 1/2"				
Drill Collars								
Open Hole				6 1/8"		Surface	9,971'	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	Fresh Water	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		Operating Hours		Description of Job
Date	Hours	Date	Hours	
2.3.13	6.0	2.3.13	2.0	Liner
Total	6.0	Total	2.0	

Pressures			
MAX	5000	AVG	550
Average Rates in BPM			
MAX	5 BPM	AVG	4
Cement Left in Pipe			
Feet	92	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	510	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
3	0	0		0	0.00	0.00

Summary						
Preflush Breakdown	10-	Type:	Caustic	Preflush: BBI	20.00	Type: 8.59#/SPACER
		MAXIMUM	3,500 PSI	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal N/A
		Lost Returns-N	NO/FULL	Excess /Return BBI	N/A	Calc. Disp Bbl 119
		Actual TOC	4.697'	Calc. TOC:	4.697'	Actual Disp. 119.00
Average		Bump Plug PSI:	N/A	Final Circ. PSI:	900	Disp:Bbl 119.00
	5 Min.	10 Min.	15 Min.	Cement Slurry: BBI	120.5	
				Total Volume BBI	259.54	

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

Sandridge Energy

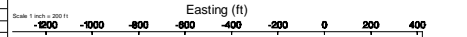
Sean 3119 3-18H SL 225FNL, 1980FEL (Final)

Sean 3119 3-18H SL 225FNL, 1980FEL

Comanche County, Kansas (Sandridge Energy) NAD27 / Grid

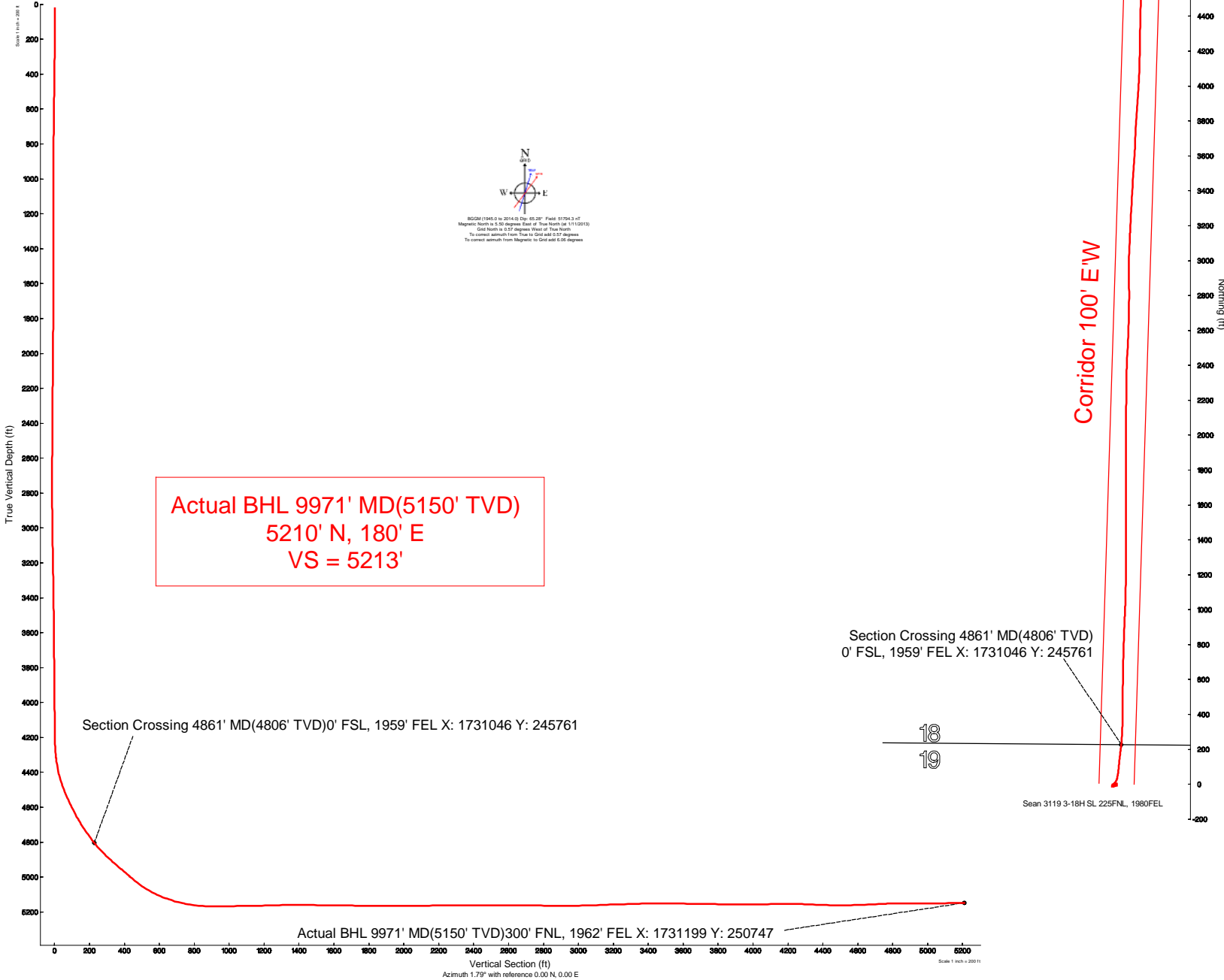


Plot reference w ellipsoid is Plan 1		Grid System: NAD27 / Lambert Kansas SP, Southern Zone (1502), US Feet	
True vertical depths are referenced to Lariat 38 (KB)		North Reference: Grid north	
Measured depths are referenced to Lariat 38 (KB)		Scale: True distance	
Lariat 38 (KB) to Mean Sea Level: 2150 feet		Depths are in feet	
Mean Sea Level to Mud line (At Slot: Sean 3119 3-18H SL 225FNL, 1980FEL): -2136 feet		Created by: deformation on 1/11/2013	
Coordinates are in feet referenced to Slot			
Location Information			
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude
Sean 3119 3-18H Sec 19-31S-19W	1731019.000	245537.000	37°20'14.422"N
Slot	Local E (ft)	Local N (ft)	Longitude
Sean 3119 3-18H SL 225FNL, 1980FEL	0.00	0.00	99°25'30.624"W
Lariat 38 (KB) to Mud line (At Slot: Sean 3119 3-18H SL 225FNL, 1980FEL)		20R	
Mean Sea Level to Mud line (At Slot: Sean 3119 3-18H SL 225FNL, 1980FEL)		-2136R	
Lariat 38 (KB) to Mean Sea Level		2156R	



300' FNL

Actual BHL 9971' MD(5150' TVD)
300' FNL, 1962' FEL X: 1731199 Y: 250747



Actual Wellpath Report

Sandridge Sean 3119 3-18H_Final Surveys.

Page 1 of 4

REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Sean 3119 3-18H SL 225FNL, 1980FEL
Area	Kansas	Well	Subject
Field	Comanche County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Sean 3119 3-18H AWB
Facility	Sean 3119 3-18H Sec 19-31S-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	2/12/2013 at 9:49:57 AM
Wellbore last revised	01-11-2013	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	1731019.00	245537.00	37°20'14.422"N	99°25'30.624"W
Facility Reference Pt			1731019.00	245537.00	37°20'14.422"N	99°25'30.624"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	2156.00ft
Vertical Reference Pt	Lariat 38 (KB)	Lariat 38 (KB) to Mud Line at Slot (Sean 3119 3-18H SL 225FNL, 1980FEL)	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	1.79°

Actual Wellpath Report

Sandridge Sean 3119 3-18H_Final Surveys.

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REFERENCE WELLPATH IDENTIFICATION				
Operator	Sandridge Energy		Slot	Sean 3119 3-18H SL 225FNL, 1980FEL
Area	Kansas		Well	Subject
Field	Comanche County, Kansas (Sandridge Energy) NAD27 / Grid		Wellbore	Sean 3119 3-18H AWB
Facility	Sean 3119 3-18H Sec 19-31S-19W			

WELLPATH DATA (109 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	177.460	0.00	0.00	0.00	0.00	1731019.00	245537.00	0.00	
20.00	0.000	177.460	20.00	0.00	0.00	0.00	1731019.00	245537.00	0.00	
250.00	0.800	177.460	249.99	-1.60	-1.60	0.07	1731019.07	245535.40	0.35	
490.00	0.700	177.460	489.97	-4.73	-4.74	0.21	1731019.21	245532.26	0.04	
769.00	0.700	177.460	768.95	-8.13	-8.15	0.36	1731019.36	245528.85	0.00	
1036.00	0.150	177.460	1035.94	-10.11	-10.13	0.45	1731019.45	245526.87	0.21	
1250.00	0.870	303.980	1249.94	-9.52	-9.50	-0.89	1731018.11	245527.50	0.45	
1722.00	0.870	241.520	1721.89	-9.42	-9.20	-7.01	1731011.99	245527.80	0.19	
2197.00	1.160	244.430	2196.82	-13.45	-13.00	-14.51	1731004.49	245524.00	0.06	
2672.00	1.060	261.210	2671.73	-16.46	-15.75	-23.19	1730995.81	245521.25	0.07	
3147.00	1.080	15.120	3146.68	-12.91	-12.10	-26.37	1730992.63	245524.91	0.38	
3622.00	1.010	60.630	3621.61	-6.39	-5.72	-21.55	1730997.45	245531.28	0.17	
4097.00	1.020	57.250	4096.54	-1.83	-1.38	-14.35	1731004.65	245535.62	0.01	
4191.00	1.210	37.590	4190.52	-0.55	-0.14	-13.04	1731005.96	245536.86	0.45	
4223.00	1.140	43.940	4222.51	-0.04	0.36	-12.61	1731006.39	245537.36	0.46	
4254.00	2.550	30.590	4253.50	0.79	1.17	-12.05	1731006.95	245538.17	4.72	
4286.00	5.080	30.570	4285.42	2.66	3.00	-10.96	1731008.04	245540.00	7.91	
4318.00	7.950	34.600	4317.21	5.76	6.05	-8.99	1731010.01	245543.05	9.08	
4349.00	10.410	32.320	4347.81	9.98	10.18	-6.27	1731012.73	245547.18	8.02	
4381.00	12.650	29.000	4379.17	15.59	15.69	-3.03	1731015.97	245552.69	7.30	
4413.00	14.550	23.030	4410.27	22.45	22.45	0.25	1731019.25	245559.45	7.37	
4444.00	16.510	16.110	4440.14	30.35	30.27	2.99	1731021.99	245567.27	8.69	
4476.00	18.800	10.990	4470.63	39.85	39.70	5.24	1731024.24	245576.70	8.64	
4508.00	21.490	8.420	4500.67	50.76	50.56	7.08	1731026.08	245587.56	8.85	
4539.00	23.630	7.560	4529.30	62.58	62.34	8.73	1731027.73	245599.34	6.98	
4571.00	24.520	7.240	4558.51	75.57	75.29	10.41	1731029.41	245612.28	2.81	
4603.00	25.350	5.940	4587.53	89.02	88.69	11.95	1731030.95	245625.69	3.11	
4634.00	26.690	5.180	4615.39	102.59	102.22	13.27	1731032.27	245639.22	4.45	
4666.00	28.320	4.890	4643.77	117.34	116.94	14.57	1731033.57	245653.94	5.11	
4698.00	30.210	5.740	4671.69	132.95	132.52	16.02	1731035.02	245669.52	6.05	
4729.00	32.040	6.770	4698.22	148.93	148.44	17.77	1731036.77	245685.44	6.15	
4761.00	33.330	6.970	4725.15	166.14	165.60	19.83	1731038.83	245702.60	4.05	
4793.00	35.320	7.020	4751.58	184.11	183.51	22.03	1731041.03	245720.51	6.22	
4824.00	37.080	6.710	4776.59	202.34	201.69	24.22	1731043.22	245738.68	5.71	
4856.00	38.500	6.090	4801.88	221.89	221.17	26.40	1731045.40	245758.17	4.59	
4861.00	38.782	5.942	4805.79	225.00	224.28	26.73	1731045.73	245761.27	5.94	Section Crossing 4861' MD(4806' TVD)0' FSL, 1959' FEL X: 1731046 Y: 245761.27
4888.00	40.310	5.170	4826.61	242.16	241.39	28.39	1731047.39	245778.38	5.94	
4919.00	42.820	4.120	4849.80	262.70	261.88	30.05	1731049.05	245798.88	8.40	
4951.00	45.370	3.450	4872.78	284.95	284.10	31.52	1731050.52	245821.10	8.10	
4982.00	47.880	2.120	4894.07	307.48	306.61	32.61	1731051.61	245843.60	8.68	
5014.00	48.710	1.350	4915.36	331.37	330.48	33.33	1731052.33	245867.48	3.16	
5046.00	49.140	0.830	4936.38	355.49	354.60	33.79	1731052.79	245891.60	1.82	
5078.00	49.250	0.680	4957.30	379.70	378.82	34.11	1731053.11	245915.82	0.49	
5109.00	49.640	0.230	4977.45	403.25	402.38	34.30	1731053.30	245939.37	1.67	
5141.00	49.690	0.460	4998.16	427.64	426.77	34.44	1731053.44	245963.76	0.57	

Actual Wellpath Report

Sandridge Sean 3119 3-18H_Final Surveys.

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REFERENCE WELLPATH IDENTIFICATION				
Operator	Sandridge Energy		Slot	Sean 3119 3-18H SL 225FNL, 1980FEL
Area	Kansas		Well	Subject
Field	Comanche County, Kansas (Sandridge Energy) NAD27 / Grid		Wellbore	Sean 3119 3-18H AWB
Facility	Sean 3119 3-18H Sec 19-31S-19W			

WELLPATH DATA (109 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
5173.00	50.080	0.290	5018.78	452.10	451.24	34.60	1731053.60	245988.23	1.28	
5204.00	52.820	0.140	5038.10	476.33	475.48	34.69	1731053.69	246012.47	8.85	
5236.00	55.960	0.450	5056.73	502.34	501.49	34.83	1731053.83	246038.49	9.84	
5268.00	59.010	0.980	5073.93	529.31	528.47	35.17	1731054.17	246065.46	9.63	
5299.00	62.130	1.430	5089.16	556.31	555.46	35.74	1731054.74	246092.45	10.14	
5331.00	64.950	1.800	5103.42	584.95	584.10	36.55	1731055.55	246121.09	8.87	
5363.00	67.830	0.790	5116.23	614.27	613.41	37.21	1731056.21	246150.40	9.45	
5394.00	70.740	0.900	5127.19	643.26	642.40	37.63	1731056.63	246179.39	9.39	
5426.00	73.150	0.130	5137.11	673.67	672.82	37.91	1731056.91	246209.81	7.87	
5455.00	75.380	1.080	5144.98	701.58	700.73	38.20	1731057.20	246237.71	8.31	
5495.00	78.000	1.490	5154.18	740.50	739.64	39.08	1731058.07	246276.63	6.63	
5526.00	80.600	1.910	5159.94	770.96	770.08	39.98	1731058.98	246307.07	8.49	
5558.00	83.210	2.310	5164.44	802.63	801.74	41.15	1731060.15	246338.73	8.25	
5588.00	85.810	1.720	5167.31	832.49	831.58	42.20	1731061.20	246368.57	8.88	
5619.00	87.940	1.790	5169.00	863.45	862.52	43.14	1731062.14	246399.51	6.87	
5711.00	90.830	2.630	5169.99	955.43	954.43	46.69	1731065.69	246491.42	3.27	
5772.00	91.330	2.590	5168.84	1016.41	1015.36	49.47	1731068.47	246552.34	0.82	
5834.00	90.770	1.100	5167.71	1078.40	1077.32	51.46	1731070.46	246614.30	2.57	
5925.00	91.050	0.990	5166.26	1169.38	1168.29	53.12	1731072.12	246705.27	0.33	
6017.00	91.660	0.440	5164.09	1261.34	1260.25	54.27	1731073.27	246797.24	0.89	
6109.00	90.590	359.380	5162.28	1353.27	1352.23	54.13	1731073.13	246889.21	1.64	
6201.00	89.170	0.280	5162.47	1445.21	1444.23	53.85	1731072.85	246981.21	1.83	
6293.00	89.510	359.270	5163.53	1537.14	1536.22	53.49	1731072.49	247073.20	1.16	
6385.00	89.080	0.720	5164.66	1629.09	1628.21	53.48	1731072.48	247165.19	1.64	
6477.00	89.200	0.670	5166.04	1721.06	1720.20	54.60	1731073.60	247257.17	0.14	
6569.00	88.710	359.320	5167.72	1813.00	1812.18	54.59	1731073.59	247349.15	1.56	
6661.00	90.460	0.390	5168.39	1904.94	1904.17	54.36	1731073.36	247441.14	2.23	
6753.00	90.860	359.090	5167.33	1996.87	1996.16	53.94	1731072.94	247533.13	1.48	
6845.00	90.400	0.790	5166.32	2088.81	2088.15	53.85	1731072.84	247625.12	1.91	
6940.00	90.710	1.260	5165.40	2183.80	2183.13	55.55	1731074.54	247720.10	0.59	
7035.00	89.910	0.030	5164.88	2278.78	2278.12	56.61	1731075.61	247815.09	1.54	
7130.00	90.150	1.580	5164.83	2373.76	2373.11	57.95	1731076.95	247910.07	1.65	
7225.00	89.920	3.320	5164.78	2468.75	2468.02	62.01	1731081.01	248004.98	1.85	
7320.00	90.060	2.540	5164.79	2563.73	2562.89	66.87	1731085.86	248099.85	0.83	
7415.00	89.720	0.960	5164.97	2658.73	2657.85	69.77	1731088.77	248194.81	1.70	
7510.00	89.660	1.270	5165.49	2753.72	2752.83	71.62	1731090.61	248289.78	0.33	
7605.00	88.680	358.570	5166.86	2848.65	2847.81	71.48	1731090.48	248384.76	3.02	
7630.00	89.170	359.010	5167.33	2873.61	2872.80	70.96	1731089.95	248409.75	2.63	
7725.00	91.320	0.640	5166.93	2968.54	2967.79	70.67	1731089.66	248504.74	2.84	
7820.00	91.720	2.540	5164.41	3063.51	3062.71	73.30	1731092.30	248599.67	2.04	
7914.00	92.340	2.220	5161.08	3157.44	3156.57	77.20	1731096.20	248693.52	0.74	
8009.00	91.480	3.560	5157.91	3252.37	3251.39	81.99	1731100.99	248788.35	1.68	
8104.00	91.720	2.800	5155.26	3347.30	3346.21	87.26	1731106.25	248883.16	0.84	
8199.00	90.830	3.530	5153.14	3442.25	3441.04	92.50	1731111.50	248977.99	1.21	
8295.00	88.800	4.340	5153.45	3538.18	3536.81	99.09	1731118.09	249073.75	2.28	

Actual Wellpath Report

Sandridge Sean 3119 3-18H_Final Surveys.

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REFERENCE WELLPATH IDENTIFICATION				
Operator	Sandridge Energy		Slot	Sean 3119 3-18H SL 225FNL, 1980FEL
Area	Kansas		Well	Subject
Field	Comanche County, Kansas (Sandridge Energy) NAD27 / Grid		Wellbore	Sean 3119 3-18H AWB
Facility	Sean 3119 3-18H Sec 19-31S-19W			

WELLPATH DATA (109 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
8390.00	89.230	2.480	5155.09	3633.12	3631.62	104.74	1731123.74	249168.57	2.01	
8485.00	89.080	2.460	5156.49	3728.10	3726.52	108.83	1731127.83	249263.47	0.16	
8580.00	88.770	3.920	5158.27	3823.06	3821.36	114.12	1731133.11	249358.30	1.57	
8675.00	89.480	3.550	5159.72	3917.99	3916.14	120.30	1731139.30	249453.08	0.84	
8770.00	90.680	4.200	5159.59	4012.92	4010.92	126.72	1731145.72	249547.86	1.44	
8865.00	92.000	1.410	5157.37	4107.87	4105.77	131.37	1731150.37	249642.71	3.25	
8960.00	90.250	0.540	5155.50	4202.84	4200.74	132.99	1731151.99	249737.67	2.06	
9054.00	87.230	1.490	5157.57	4296.80	4294.69	134.65	1731153.65	249831.62	3.37	
9149.00	87.940	1.160	5161.57	4391.71	4389.58	136.85	1731155.84	249926.51	0.82	
9244.00	89.290	1.650	5163.87	4486.68	4484.52	139.17	1731158.17	250021.45	1.51	
9339.00	91.970	2.460	5162.82	4581.66	4579.44	142.58	1731161.58	250116.37	2.95	
9434.00	92.780	0.600	5158.89	4676.57	4674.32	145.12	1731164.11	250211.25	2.13	
9529.00	92.220	2.950	5154.74	4771.47	4769.18	148.06	1731167.05	250306.10	2.54	
9624.00	90.620	3.570	5152.39	4866.41	4863.99	153.46	1731172.45	250400.92	1.81	
9719.00	89.320	3.110	5152.44	4961.37	4958.83	158.99	1731177.99	250495.75	1.45	
9814.00	90.400	5.820	5152.67	5056.26	5053.53	166.39	1731185.38	250590.45	3.07	
9909.00	91.290	4.480	5151.27	5151.08	5148.13	174.91	1731193.91	250685.05	1.69	
9913.00	91.290	4.250	5151.18	5155.08	5152.12	175.22	1731194.21	250689.04	5.75	
9971.00	91.290	4.250	5149.87	5213.01	5209.94	179.51	1731198.51	250746.87	0.00	Actual BHL 9971' MD(5150' TVD)300' FNL, 1962' FEL X: 1731199 Y:

TARGETS										
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape	
Sean 3119 3-18H PBHL		5147.70	5211.00	163.00	1731182.00	250747.92	37°21'05.957"N	99°25'29.245"W	point	

WELLPATH COMPOSITION - Ref Wellbore: Sean 3119 3-18H AWB Ref Wellpath: AWP - Final				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
20.00	769.00	Generic gyro - northseeking (Standard)	Gyro Surveys	Sean 3119 3-18H AWB
769.00	9913.00	NaviTrak (Standard)	INTEQ MWD	Sean 3119 3-18H AWB
9913.00	9971.00	Blind Drilling (std)	Projection to bit	Sean 3119 3-18H AWB

Section 7
31S 19W

Section 8
31S 19W

309' FNL

1953' FEL

BHL: 9971'
-99.425126 37.351673

Bottom Perf: 9394'
-99.425232 37.349941

LOHRDING UNIT 1



Section 18
31S 19W

Section 17
31S 19W

ARLIE 18-1



ARLIE 18-2



Top Perf: 5313'
-99.42546 37.338966

ELLIS 3119 4-19H



Miss Entry: 5304'

SEAN 3119 4-18H

-99.425462 37.338887

SEAN 3119 2-18H



SEAN 1-18H

ELLIS 3119 3-19H SEAN 3119 3-18H



ELLIS 3119 2-19H



RUBY 1-20H

Section 19
31S 19W



Section 20
31S 19W



RUBY 3119 1A-20H



Actual Bottom-Hole Location of Sean 3119 3-18H
Comanche County, Kansas
T&R: 31S 19W
Section: 18, 1953' FEL & 309' FNL
Long/Lat: -99.425126 37.351673

1 in = 667 ft

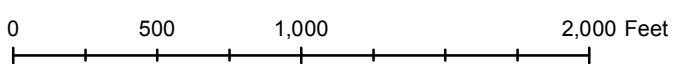


● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 4/9/2013

Drawing Name/Number:

Addendum_Seans_3-18H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	3/19/2013
State:	KS
County:	Comanche
API Number:	15-033-21686
Operator Name:	SandRidge Expl. and Prod., LLC
Well Name and Number:	Sean 3119 3-18H
Longitude:	-99.4251
Latitude:	37.3373
Long/Lat Projection:	NAD27
Production Type:	Oil
True Vertical Depth (TVD):	5,150
Total Water Volume (gal)*:	1,772,229

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
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Biocide, Surfactant, Acid, Iron Control Agent, Propping Agent	Water (Including Mix Water Supplied by Client)*	-		94.93550%	
			Crystalline silica	14808-60-7	95.90656%	4.85719%	
			Hydrogen chloride	7647-01-0	2.64319%	0.13386%	
			Distillates (petroleum), hydrotreated light	64742-47-8	0.30827%	0.01561%	
			Methanol	67-56-1	0.27330%	0.01384%	
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.25689%	0.01301%	
			Ammonium chloride	12125-02-9	0.14771%	0.00748%	
			Alcohol, C11 linear, ethoxylated	34398-01-1	0.13080%	0.00662%	
			Alcohol, C9-C11, Ethoxylated	68439-46-3	0.08720%	0.00442%	
			Glutaraldehyde	111-30-8	0.06887%	0.00349%	
			Trisodium ortho phosphate	7601-54-9	0.02742%	0.00139%	
			Ethoxylated oleic acid	9004-96-0	0.02569%	0.00130%	
			Sorbitan monooleate	1338-43-8	0.02248%	0.00114%	
			Sodium erythorbate	6381-77-7	0.02091%	0.00106%	
			Sorbitol Tetraoleate	61723-83-9	0.01606%	0.00081%	
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.01336%	0.00068%	
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.01323%	0.00067%	
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.01323%	0.00067%	
			Alkyl(c12-16) dimethylbenzyl ammonium chloride	68424-85-1	0.01230%	0.00062%	
			Fatty acids, tall-oil	61790-12-3	0.00809%	0.00041%	
			Ethane-1,2-diol	107-21-1	0.00780%	0.00040%	
			C14 alpha olefin ethoxylate	84133-50-6	0.00706%	0.00036%	

			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	0.00666%	0.00034%	
			2-Propenoic acid, ammonium salt	10604-69-0	0.00642%	0.00033%	
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00310%	0.00016%	
			Prop-2-yn-1-ol	107-19-7	0.00207%	0.00010%	
			Ethanol	64-17-5	0.00148%	0.00007%	
			Alkenes, C>10 a-	64743-02-8	0.00138%	0.00007%	

* 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%

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

Remarks

Tiffany Golay 04/16/013 07:59 am	Additional Fluid Mgmt Info: 2780 bbls hauled to Weinett Disposal LLC, NW/ 4 Section 1079 Block 43, Lipscomb, TX and 2480 bbls hauled to Guard, Inc, 23-22N-15W, Major, OK
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Tiffany Golay 04/08/013 11:34 am	Conductor weight= 94 lbs/ft
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Tiffany Golay 02/05/013 10:37 am	TVD= 5,150
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