



1152606

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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	Carlisle 3317 1-27H
Doc ID	1152606

All Electric Logs Run

Final Boresight Depiction
ML 5inMD
CML Impulse Shuttle Array Induction Shallow FOC Electric Log
CML Impulse Shuttle Compact Photo Density Compensated Neutron Log

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Carlisle 3317 1-27H
Doc ID	1152606

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9470-9860	4315 bbls of water, 36 bbls acid, 71M lbs sand, 4351 TLTR	
5	9064-9401	4336 bbls of water, 36 bbls acid, 76M lbs sand, 8939 TLTR	
5	8632-8970	4288 bbls of water, 36 bbls acid, 75M lbs sand, 13397 TLTR	
5	8210-8538	4274 bbls of water, 36 bbls acid, 77M lbs sand, 17880 TLTR	
5	7772-8110	4290 bbls of water, 36 bbls acid, 73M lbs sand, 22301 TLTR	
5	7298-7646	4261 bbls of water, 36 bbls acid, 72M lbs sand, 26709 TLTR	
5	6808-7186	4324 bbls of water, 36 bbls acid, 75M lbs sand, 31152 TLTR	
5	6286-6740	4247 bbls of water, 36 bbls acid, 77M lbs sand, 35503 TLTR	
5	5778-6186	4242 bbls of water, 36 bbls acid, 79M lbs sand, 39824 TLTR	
5	5338-5688	4221 bbls of water, 36 bbls acid, 79M lbs sand, 44110 TLTR	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Carlisle 3317 1-27H
Doc ID	1152606

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	17.5	13.37	68	242	O-Tex Litel Premium Plus 65/ Premium Plus (Class C)	400	(6% Gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	12.25	9.63	36	1008	O-Tex Lite Premium Plus	435	(6% gel) 2% Calcium Chloride, 1/4 pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	5606	50/50 Poz Premium/ Premium	325	4% gel, .4% C-12, .1% C-37, .5% C-41P, 1 lb/sk Phenoseal
Liner	6.12	4.5	11.6	9962	50/50 Premium Poz	500	4% gel, .4% C12, .1% C37, .5% C-41P, 2 lb/sk Phenoseal

JOB SUMMARY			PROJECT NUMBER SOK1664	TICKET DATE 07/19/12
COUNTY Comanche	STATE Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Buster Taylor	
LEASE NAME Carlisle	Well No. I317 1-27	JOB TYPE Surface	EMPLOYEE NAME Larry Kirchner Jr.	

EMP NAME Larry Kirchner Jr.	Robert Stonehocker				
John Hall					
Wallace Berry					
Von Tray					

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **80** Pressure _____
 Retainer Depth _____ Total Depth **250'**

Date	Called Out 7/19/2012	On Location 7/19/2012	Job Started 7/19/2012	Job Completed 7/19/2012
Time	1:30PM	6:00PM	10:35PM	11:45PM

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

	Now/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	New	68#	13 3/8"		Surface	242'	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			17 1/2"		Surface	242'	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.	ln	
NE Agent	Gal.	ln	
Fluid Loss	Gal/Lb	ln	
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	
7/19	6.8	7/19	2.0	Surface
Total	6.8	Total	2.0	

Perfpac Balls	Qty.	
Other		
Other		
Other		
Other		
Other		

Pressures	
MAX	1,500 PSI
AVG.	80
Average Rates in BPM	
MAX	6 BPM
AVG	4
Cement Left in Pipe	
Feet	43
Reason SHOE JOINT	

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	200	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	100	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	100	Premium Plus (Class C)	2% Calcium Chloride on side to use if necessary	6.32	1.32	14.80

Summary					
Preflush	10.00	Type:	Fresh Water		
Breakdown	MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI	N/A
	Lost Returns-N	NO/FULL	Excess /Return	BBI	20
	Actual TOC	SURFACE	Calc. TOC:		SURFACE
Average	Bump Plug PSI:	150	Final Circ.	PSI:	150
ISIP	5 Min.	10 Min.	Cement Slurry:	BBI	89.0
		15 Min.	Total Volume	BBI	129.00

CUSTOMER REPRESENTATIVE *Buster Taylor* SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK1670	TICKET DATE 07/21/12
COUNTRY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP GORDON	
LEASE NAME Carlisle	Well No. 1317 1-271	JOB TYPE Surface	EMPLOYEE NAME NATHAN COTTA	

EMP NAME					
NATHAN COTTA					
MIKE CHALFANT					
ROCKY A.					
DAVID JENNINGS					

Form. Name _____ Type: _____
 Packer Type _____ Set At **0**
 Bottom Hole Temp. **80** Pressure _____
 Retainer Depth _____ Total Depth **1000**

Date	Called Out 7/20/2012	On Location 7/21/2012	Job Started 7/21/2012	Job Completed 7/21/2012
Time	2300	0630	1005	1110

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
Casing		36.0	9 5/8		Surface	1,500
Liner						
Liner						
Tubing			0			
Drill Pipe						
Open Hole			12 1/4		Surface	1,000
Perforations						Shots/Ft.
Perforations						
Perforations						

Materials			
	WBM	Density	Lb/Gal
Mud Type		9	
Disp. Fluid	Fresh Water	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	ln	
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	
7/21	6.0	7/21	1.0	Surface
Total	6.0	Total	1.0	

Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____

Pressures	
MAA	1,500 PSI
AMA	120
Average Rates in BPM	
MAA	6 BPM
AMA	4.5
Cement Left in Pipe	
MAA	46
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	300	TEX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/4pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	135	Premium Plus (Class C)	1% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	100	Premium Plus (Class C)	2% Calcium Chloride on side to use if necessary	6.32	1.32	14.80

Summary					
Preflush	10	Type:	H2O	Preflush:	BBI 10.00
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI 35
		Actual TOC	SURFACE	Calc. TOC:	SURFACE
Average		Bump Plug PSI:	1,000	Final Circ.	PSI: 500
				Cement Slurry:	BBI 130.0
				Total Volume	BBI 215.00

CUSTOMER REPRESENTATIVE *Nathan Gordon* SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 1691	TICKET DATE 07/27/12
COUNTY Comanche	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP G. FLEMING	
LEASE NAME Carlisle	Well No. 1317 1-27	JOB TYPE Intermediate	EMPLOYEE NAME Johnny Breeze	

EMP NAME					
Johnny Breeze	0				
Scott Woods					
David Settlemier					
Vontray Watkins					

Form. Name _____ Type: _____
Packer Type _____ Set At **4,244**
Bottom Hole Temp. **155** Pressure _____
Retainer Depth _____ Total Depth **5631**

Date	Called Out 7/26/2012	On Location 7/27/2012	Job Started 7/27/2012	Job Completed 7/27/2012
Time	2300	0500	1521	1700

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
Weid-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	5,607	5,000
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			8 3/4"		Surface	5,631	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials

Mud Type	WBM	Density	9	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.		ln	
NE Agent	Gal.		ln	
Fluid Loss	Gal/Lb		ln	
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	
7/27	12.0	7/27	4.0	Intermediate
Total	12.0	Total	4.0	

Perfpac Balls _____ Qty. _____
Other _____
Other _____
Other _____
Other _____
Other _____

Pressures

MAX	5,000 PSI	AVG.	200
Average Rates in BPM			
MAX	8 BPM	AVG	6
Cement Left in Pipe			
Feet	91	Reason	SHOE JOINT

Cement Data

Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	226	50/50 POZ PREMIUM	4% Gel - 0.4% C-12 - 0.1% C-37 - 0.6% C-41P - 1 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		0.00	0.00	0.00

Summary

Preflush Breakdown	Type: _____	MAXIMUM	5,000 PSI	Preflush:	BBI	30.00	Type: WEIGHTED SP.
	Lost Returns-N	NO/FULL		Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal
	Actual TOC		3,599	Excess /Return	BBI	N/A	Calc. Disp Bbl
Average	Bump Plug PSI:		1,400	Calc. TOC:		3,599	Actual Disp.
15 Min.	10 Min		15 Min	Final Circ.	PSI:	850	Disp:Bbl
				Cement Slurry:	BBI	78.7	
				Total Volume	BBI	319.98	

CUSTOMER REPRESENTATIVE *D. Williams* SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 1722	TICKET DATE 08/06/12
COUNTY Comanche	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP D.C. Wilson	
LEASE NAME Carlisle	Well No. 1317 1-27	JOB TYPE Liner	EMPLOYEE NAME Robert Burris	

EMP NAME					
Robert Burris		0.00			
Bryan Douglas					
Jessie McClain					
Vontray Watkins					

Form. Name _____ Type: _____

Packer Type _____ Set At **5,606**

Bottom Hole Temp. **150** Pressure _____

Retainer Depth _____ Total Depth **9964**

Date	Called Out	On Location	Job Started	Job Completed
	8/6/2012	8/6/2012	8/6/2012	8/6/2012
Time	05:00	07:30	13:30	14:39

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		5202	9,964	3,500
Liner Tool							3,500
HWDP					Surface	8,128	3,500
Drill Pipe			3 1/2"		8,129	6,202	3,500
Drill Collars							3,500
Open Hole			6 1/8"		Surface	9,964	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	Gel	BBL.	30
Spacer type	BBL.		8.59
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	
8/6	7.5	8/6	1.0	Liner
Total	7.5	Total	1.0	

Pressures	
MAX 5000 PSI	AVG. 1075
Average Rates in BPM	
MAX 6 BPM	AVG 4.5
Cement Left in Pipe	
Feet 93	Reason SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	500	50/50 Premium Poz	(4%Gel) -.4% C12 -.1% C37 -.05% C-41P - 2 Lb/SK Phenoseal	6.77	1.44	13.60
2	0	0	PUMP TIME +/- 3 HRS 20 MINS	0.00	0.00	0.00
3	0	0		0	0.00	0.00

Summary						
Preflush Breakdown	Type: _____	MAXIMUM _____	Lost Returns-N _____	Actual TOC _____	Bump Plug PSI: _____	10 Min _____
Average	5 Min. _____	15 Min _____	Preflush: BBI _____	Load & Bkdn: Gal - BBI _____	Excess /Return BBI _____	Calc. TOC: _____
			Final Circ. PSI: _____	Cement Slurry: BBI _____	Total Volume BBI _____	259.60
			Preflush: _____	Type: _____	8.59#/SPACER	
			Pad:Bbl -Gal _____	N/A		
			Calc. Disp Bbl _____	102		
			Actual Disp. _____	101.50		
			Disp:Bbl _____			

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____



Sandridge Energy, INC.(mid-con.)

Comanche County (KS27S)

Sec 34-T33S-R17W

Carlisle 3317 127H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

09 August, 2012

Archer



Archer Directional Drilling Services

Survey Report



Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Carlisle 3317 127H
Project:	Comanche County (KS27S)	TVD Reference:	KB @ 1856.0usft
Site:	Sec 34-T33S-R17W	MD Reference:	KB @ 1856.0usft
Well:	Carlisle 3317 127H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project	Comanche County (KS27S), KS South		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Kansas South 1502		

Site	Sec 34-T33S-R17W				
Site Position:	Northing:	171,565.00 usft	Latitude:	37° 8' 9.471 N	
From:	Map	Easting:	1,807,045.00 usft	Longitude:	99° 9' 42.777 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.41 °

Well	Carlisle 3317 127H					
Well Position	+N/-S	0.0 usft	Northing:	171,565.00 usft	Latitude:	37° 8' 9.471 N
	+E/-W	0.0 usft	Easting:	1,807,045.00 usft	Longitude:	99° 9' 42.777 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	1,836.0 usft	

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2012/07/16	5.30	65.14	51,784

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	1.43	

Survey Program	Date	2012/08/09			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
1,303.0	9,964.0	Archer Survey (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,033.0	0.60	218.90	1,033.0	-4.2	-3.4	-4.3	0.00	0.00	0.00
1,303.0	0.10	187.70	1,303.0	-5.5	-4.3	-5.6	0.19	-0.19	-11.56
1,779.0	0.40	194.60	1,779.0	-7.6	-4.8	-7.7	0.06	0.06	1.45
2,255.0	1.70	170.80	2,254.9	-16.1	-4.1	-16.2	0.28	0.27	-5.00
2,731.0	1.60	177.80	2,730.7	-29.8	-2.7	-29.8	0.05	-0.02	1.47
3,207.0	0.80	180.10	3,206.6	-39.7	-2.5	-39.8	0.17	-0.17	0.48
3,684.0	1.20	170.40	3,683.5	-48.0	-1.6	-48.0	0.09	0.08	-2.03
4,160.0	0.70	156.80	4,159.4	-55.6	0.4	-55.5	0.11	-0.11	-2.86
4,187.0	0.80	151.10	4,186.4	-55.9	0.5	-55.8	0.46	0.37	-21.11
4,218.0	1.00	163.50	4,217.4	-56.3	0.7	-56.3	0.90	0.65	40.00



Archer Directional Drilling Services

Survey Report



Company: Sandridge Energy, INC.(mid-con.)
Project: Comanche County (KS27S)
Site: Sec 34-T33S-R17W
Well: Carlisle 3317 127H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Carlisle 3317 127H
TVD Reference: KB @ 1856.0usft
MD Reference: KB @ 1856.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,250.0	0.10	183.30	4,249.4	-56.6	0.8	-56.6	2.83	-2.81	61.88
4,282.0	3.00	356.70	4,281.4	-55.8	0.7	-55.8	9.69	9.06	541.88
4,314.0	4.80	7.10	4,313.3	-53.6	0.8	-53.6	6.02	5.63	32.50
4,345.0	6.40	8.90	4,344.2	-50.7	1.3	-50.6	5.19	5.16	5.81
4,377.0	8.60	7.00	4,375.9	-46.5	1.8	-46.5	6.92	6.88	-5.94
4,409.0	10.50	4.40	4,407.5	-41.2	2.3	-41.2	6.09	5.94	-8.13
4,441.0	13.00	2.30	4,438.8	-34.7	2.7	-34.6	7.92	7.81	-6.56
4,472.0	15.30	2.70	4,468.9	-27.2	3.0	-27.1	7.43	7.42	1.29
4,504.0	18.00	1.70	4,499.5	-18.0	3.4	-17.9	8.48	8.44	-3.13
4,536.0	20.50	1.00	4,529.7	-7.4	3.6	-7.4	7.85	7.81	-2.19
4,568.0	22.90	0.30	4,559.4	4.4	3.8	4.5	7.54	7.50	-2.19
4,599.0	25.20	1.10	4,587.8	17.0	3.9	17.1	7.49	7.42	2.58
4,631.0	27.20	0.50	4,616.5	31.1	4.1	31.2	6.30	6.25	-1.88
4,663.0	28.80	0.40	4,644.7	46.2	4.2	46.3	5.00	5.00	-0.31
4,694.0	31.10	0.40	4,671.6	61.6	4.3	61.7	7.42	7.42	0.00
4,726.0	33.70	0.20	4,698.6	78.8	4.4	78.9	8.13	8.13	-0.63
4,758.0	36.10	0.70	4,724.8	97.1	4.6	97.2	7.55	7.50	1.56
4,789.0	38.40	1.50	4,749.5	115.8	4.9	115.9	7.58	7.42	2.58
4,821.0	40.00	2.40	4,774.3	136.1	5.6	136.2	5.31	5.00	2.81
4,853.0	41.40	2.00	4,798.6	156.9	6.4	157.0	4.45	4.38	-1.25
4,885.0	42.90	1.80	4,822.3	178.4	7.1	178.5	4.71	4.69	-0.63
4,916.0	45.80	1.00	4,844.5	200.0	7.7	200.2	9.53	9.35	-2.58
4,948.0	48.70	1.30	4,866.2	223.5	8.1	223.7	9.09	9.06	0.94
4,980.0	50.70	1.20	4,886.9	247.9	8.7	248.1	6.25	6.25	-0.31
5,012.0	51.10	1.00	4,907.1	272.8	9.2	272.9	1.34	1.25	-0.63
5,044.0	50.70	1.00	4,927.2	297.6	9.6	297.7	1.25	-1.25	0.00
5,075.0	50.50	0.70	4,946.9	321.5	9.9	321.7	0.99	-0.65	-0.97
5,107.0	50.60	0.90	4,967.2	346.2	10.3	346.4	0.57	0.31	0.63
5,139.0	50.50	1.10	4,987.6	370.9	10.7	371.1	0.57	-0.31	0.63
5,170.0	51.00	0.50	5,007.2	394.9	11.1	395.1	2.20	1.61	-1.94
5,202.0	53.50	0.60	5,026.8	420.2	11.3	420.4	7.82	7.81	0.31
5,234.0	56.40	0.30	5,045.2	446.4	11.5	446.6	9.09	9.06	-0.94
5,266.0	58.90	0.80	5,062.3	473.5	11.8	473.6	7.92	7.81	1.56
5,297.0	61.90	0.90	5,077.6	500.4	12.2	500.6	9.68	9.68	0.32
5,329.0	63.70	2.10	5,092.2	528.9	12.9	529.0	6.54	5.63	3.75
5,361.0	65.90	2.10	5,105.8	557.8	14.0	558.0	6.88	6.88	0.00
5,393.0	68.60	1.80	5,118.2	587.3	15.0	587.5	8.48	8.44	-0.94
5,424.0	72.50	1.80	5,128.5	616.5	15.9	616.7	12.58	12.58	0.00
5,456.0	76.50	1.60	5,137.1	647.3	16.8	647.5	12.51	12.50	-0.63
5,488.0	80.10	2.40	5,143.6	678.6	17.9	678.9	11.51	11.25	2.50
5,520.0	83.90	2.50	5,148.0	710.3	19.3	710.5	11.88	11.88	0.31
5,551.0	87.40	2.40	5,150.4	741.2	20.6	741.4	11.29	11.29	-0.32
5,583.0	90.00	1.80	5,151.1	773.1	21.7	773.4	8.34	8.13	-1.88
5,685.0	91.50	2.00	5,149.8	875.1	25.1	875.4	1.48	1.47	0.20



Archer Directional Drilling Services

Survey Report



Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Carlisle 3317 127H
Project:	Comanche County (KS27S)	TVD Reference:	KB @ 1856.0usft
Site:	Sec 34-T33S-R17W	MD Reference:	KB @ 1856.0usft
Well:	Carlisle 3317 127H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,781.0	90.40	2.50	5,148.2	971.0	28.9	971.4	1.26	-1.15	0.52	
5,876.0	88.60	2.40	5,149.0	1,065.9	33.0	1,066.4	1.90	-1.89	-0.11	
5,969.0	88.00	1.70	5,151.8	1,158.8	36.3	1,159.3	0.99	-0.65	-0.75	
6,061.0	87.40	0.90	5,155.5	1,250.7	38.4	1,251.2	1.09	-0.65	-0.87	
6,153.0	88.20	0.20	5,159.0	1,342.6	39.3	1,343.2	1.16	0.87	-0.76	
6,245.0	90.30	0.10	5,160.2	1,434.6	39.5	1,435.1	2.29	2.28	-0.11	
6,337.0	91.00	0.60	5,159.1	1,526.6	40.1	1,527.1	0.94	0.76	0.54	
6,428.0	91.70	0.30	5,157.0	1,617.6	40.8	1,618.1	0.84	0.77	-0.33	
6,520.0	91.30	1.20	5,154.6	1,709.5	42.0	1,710.0	1.07	-0.43	0.98	
6,611.0	91.40	0.80	5,152.5	1,800.5	43.6	1,801.0	0.45	0.11	-0.44	
6,703.0	90.50	1.80	5,150.9	1,892.4	45.6	1,893.0	1.46	-0.98	1.09	
6,794.0	90.10	2.80	5,150.5	1,983.4	49.3	1,984.0	1.18	-0.44	1.10	
6,886.0	90.60	2.20	5,149.9	2,075.3	53.3	2,076.0	0.85	0.54	-0.65	
6,977.0	90.10	2.20	5,149.3	2,166.2	56.8	2,166.9	0.55	-0.55	0.00	
7,069.0	90.10	1.90	5,149.2	2,258.1	60.1	2,258.9	0.33	0.00	-0.33	
7,160.0	90.10	2.20	5,149.0	2,349.1	63.4	2,349.9	0.33	0.00	0.33	
7,253.0	90.40	2.10	5,148.6	2,442.0	66.8	2,442.9	0.34	0.32	-0.11	
7,345.0	90.80	2.30	5,147.6	2,533.9	70.4	2,534.9	0.49	0.43	0.22	
7,437.0	90.90	2.10	5,146.3	2,625.9	73.9	2,626.9	0.24	0.11	-0.22	
7,528.0	91.10	2.40	5,144.7	2,716.8	77.5	2,717.9	0.40	0.22	0.33	
7,619.0	90.50	0.60	5,143.4	2,807.7	79.9	2,808.9	2.08	-0.66	-1.98	
7,711.0	91.40	0.20	5,141.9	2,899.7	80.5	2,900.8	1.07	0.98	-0.43	
7,807.0	91.80	359.80	5,139.2	2,995.7	80.5	2,996.8	0.59	0.42	-0.42	
7,902.0	90.30	0.40	5,137.5	3,090.7	80.7	3,091.7	1.70	-1.58	0.63	
7,998.0	89.90	0.20	5,137.3	3,186.7	81.2	3,187.7	0.47	-0.42	-0.21	
8,094.0	90.90	358.80	5,136.6	3,282.7	80.3	3,283.6	1.79	1.04	-1.46	
8,190.0	89.90	358.80	5,136.0	3,378.6	78.3	3,379.5	1.04	-1.04	0.00	
8,286.0	89.60	358.80	5,136.4	3,474.6	76.3	3,475.4	0.31	-0.31	0.00	
8,409.0	88.80	1.10	5,138.1	3,597.6	76.2	3,598.4	1.98	-0.65	1.87	
8,504.0	88.80	0.50	5,140.1	3,692.6	77.5	3,693.3	0.63	0.00	-0.63	
8,600.0	88.70	1.50	5,142.2	3,788.5	79.2	3,789.3	1.05	-0.10	1.04	
8,696.0	88.80	1.80	5,144.3	3,884.5	82.0	3,885.3	0.33	0.10	0.31	
8,792.0	90.30	2.40	5,145.0	3,980.4	85.5	3,981.3	1.68	1.56	0.63	
8,888.0	90.70	2.40	5,144.2	4,076.3	89.5	4,077.3	0.42	0.42	0.00	
8,983.0	91.00	2.20	5,142.8	4,171.2	93.3	4,172.2	0.38	0.32	-0.21	
9,079.0	91.30	1.00	5,140.9	4,267.1	96.0	4,268.2	1.29	0.31	-1.25	
9,175.0	90.10	2.70	5,139.7	4,363.1	99.1	4,364.2	2.17	-1.25	1.77	
9,271.0	90.70	2.70	5,139.0	4,459.0	103.6	4,460.2	0.63	0.63	0.00	
9,367.0	89.70	3.80	5,138.7	4,554.8	109.1	4,556.1	1.55	-1.04	1.15	
9,463.0	89.90	3.20	5,139.0	4,650.6	114.9	4,652.1	0.66	0.21	-0.63	
9,558.0	90.10	2.90	5,139.0	4,745.5	120.0	4,747.0	0.38	0.21	-0.32	
9,654.0	90.40	2.60	5,138.6	4,841.4	124.6	4,843.0	0.44	0.31	-0.31	
9,750.0	89.60	2.40	5,138.6	4,937.3	128.8	4,939.0	0.86	-0.83	-0.21	



Archer Directional Drilling Services
Survey Report



Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Carlisle 3317 127H
Project:	Comanche County (KS27S)	TVD Reference:	KB @ 1856.0usft
Site:	Sec 34-T33S-R17W	MD Reference:	KB @ 1856.0usft
Well:	Carlisle 3317 127H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

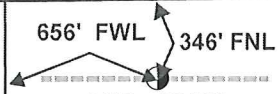
Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,846.0	89.70	2.40	5,139.2	5,033.2	132.8	5,035.0	0.10	0.10	0.00	
9,914.0	90.00	1.80	5,139.4	5,101.2	135.3	5,103.0	0.99	0.44	-0.88	
Last Archer Survey										
9,964.0	90.00	1.80	5,139.4	5,151.1	136.9	5,153.0	0.00	0.00	0.00	
Projection to TD - Carlisle 3317 1-27H PBHL										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
9,914.0	5,139.4	5,101.2	135.3	Last Archer Survey	
9,964.0	5,139.4	5,151.1	136.9	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____

Section 21
33S 17W

Section 22
33S 17W



BHL: 9966'
-99.161922 37.150139

Bottom Perf: 9470'
-99.161985 37.148764

Section 28
33S 17W

Section 27
33S 17W

Top Perf: 5338'
-99.162235 37.137443

Miss Entry: 5097'
-99.162239 37.136941

CARLISLE 3317 1-27H SARAH 1-34H

SARAH 3317 2-34H



Section 33
33S 17W

Section 34
33S 17W

CARLISLE 3317 2-27H



Actual Bottom-Hole Location of Carlisle 3317 1-27H
Comanche County, Kansas

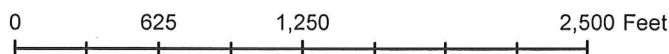
● Actual BH Location

* SandRidge Wells

Perf
Sections

T&R: 33S 17W
Section: 27, 656' FWL & 346' FNL
Long/Lat: -99.161922 37.150139

1 in = 833 ft



Draftsman:
Aaron Birk

Draft Date: 7/22/2013

Drawing Name/Number:
Addendum_Carlisle_1-27H .mxd

Coordinate System:
NAD 1927 State Plane
Kansas South FIPS: 1502

Logo

Back to Well Completion

Carlisle 3317 1-27H (1089586)

Actions

View PDF
Delete
Edit
Certify & Submit
Request Confidentiality

Attachments

Two Year Confidentiality OPERATOR	View PDF Delete
Cement Reports OPERATOR	View PDF Delete
Directional Survey OPERATOR	View PDF Delete
As Drilled Plat OPERATOR	View PDF Delete

[Add Attachment](#)

Remarks

Remarks to KCC

[Add Remark](#)

Remarks

Tiffany
 Golay Additional Fluid Mgmt Info: 2140' bbls hauled to LoJo Disposal, 10-26N-15W Woods, OK; 340 bbls
 10/30/012 hauled to Gray Mud Disposal, 15-24N-7W Garfield, OK
 01:53 pm

Summary of Changes

Lease Name and Number: Carlisle 3317 1-27H

API/Permit #: 15-033-21627-01-00

Doc ID: 1152606

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	11/06/2012	07/23/2013
Save Link	../..kcc/detail/operatorEditDetail.cfm?docID=1089586	../..kcc/detail/operatorEditDetail.cfm?docID=1152606

Summary of Attachments

Lease Name and Number: Carlisle 3317 1-27H

API: 15-033-21627-01-00

Doc ID: 1152606

Correction Number: 1

Attachment Name

Attachments



CONFIDENTIAL

WELL COMPLETION FORM

Form Must Be Typed
Form must be Signed
All blanks must be Filled

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____