



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1209951  
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: \_\_\_\_\_

1209951

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Suzanne 3306 3-34H
Doc ID	1209951

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8703-8822	1500 gals 15% HCl Acid, 5459 bbls of Fresh Slickwater, Running TLTR 5615 bbls	
5	8238-8625	1500 gals 15% HCl Acid, 5368 bbls of Fresh Slickwater, Running TLTR 11139 bbls	
5	7944-5184	1500 gals 15% HCl Acid, 5528 bbls of Fresh Slickwater, Running TLTR 16629 bbls	
5	7538-7824	1500 gals 15% HCl Acid, 5504 bbls of Fresh Slickwater, Running TLTR 22267 bbls	
5	7123-7464	1500 gals 15% HCl Acid, 5138 bbls of Fresh Slickwater, Running TLTR 27524 bbls	
5	6763-7025	1500 gals 15% HCl Acid, 5441 bbls of Fresh Slickwater, Running TLTR 33074 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Suzanne 3306 3-34H
Doc ID	1209951

#### Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	6428-6700	1500 gals 15% HCl Acid, 5442 bbls of Fresh Slickwater, Running TLTR 38610 bbls	
5	6007-6300	1500 gals 15% HCl Acid, 5419 bbls of Fresh Slickwater, Running TLTR 44088 bbls	
5	5653-5940	1500 gals 15% HCl Acid, 5470 bbls of Fresh Slickwater, Running TLTR 49605 bbls	
5	5268-5500	1500 gals 15% HCl Acid, 5945 bbls of Fresh Slickwater, Running TLTR 55550 bbls	
5	4889-5025	1500 gals 15% HCl Acid, 1500 bbls of Fresh Slickwater, Running TLTR 59710 bbls	





**BASIN SERVICES, LLC**  
 P O BOX 4268  
 ABILENE, TX 79608-4268  
 Phone # (325)690-0053  
 Fax # (325)698-0055

# TICKET

TICKET NUMBER: WY-240-1  
 TICKET DATE: 03/04/2014

**ELECTRONIC**

SANDRIDGE ENERGY  
 \*\*\*\*\* BILL IN ADP!! \*\*\*\*\*  
 123 ROBERT S KERR AVE  
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK  
 LEASE: Suzanne 3306  
 WELL#: 3-34H  
 RIG #: Unit 310  
 Co/St: HARPER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
3/1-4/2014 DRILLED 30" CONDUCTOR HOLE			
3/1-4/2014 20" CONDUCTOR PIPE (.250 WALL)			
3/1-4/2014 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
3/1-4/2014 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
3/1-4/2014 DRILLED 20" MOUSE HOLE (PER FOOT)			
3/1-4/2014 16" CONDUCTOR PIPE (.250 WALL)			
3/1-4/2014 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
3/1-4/2014 WELDING SERVICES FOR PIPE & LIDS			
3/1-4/2014 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
3/1-4/2014 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
3/1-4/2014 15 YDS OF 10 SACK GROUT			
3/1-4/2014 TAXABLE ITEMS			5,700.00
3/1-4/2014 BID - TAXABLE ITEMS			11,550.00
		Sub Total:	17,250.00
		Tax HARPER COUNTY (6.15 %):	350.55
		<b>TICKET TOTAL:</b>	<b>\$ 17,600.55</b>

I, the undersigned, acknowledge the acceptance of the above listed goods and/or services.

Approved Signature \_\_\_\_\_

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MAR 25 2014

HALLIBURTON

## Cementing Job Summary

REGULATORY DEPT

The Road to Excellence Starts with Safety

SANDRIDGE ENERGY

Sold To #: 305021	Ship To #: 3361627	Quote #:	Sales Order #: 901173980
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Suzanne 3306	Well #: 3-34H	API/UWI #: 15-077-22024	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 34 Township 33S Range 6W			
Contractor: *UNIT DRILLING*		Rig/Platform Name/Num: 310	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FRENCH, JEREMY		Srcv Supervisor: UNDERWOOD, BILLY MBU ID Emp #: 159068	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
COE, KYLE E	9	518980	KLUTH, MICAH Allen	5	554882	SMITH, CHAD R	5	523862
UNDERWOOD, BILLY Dale	9	159068						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240239	100 mile	10624564C	100 mile	10744563	100 mile	11255341	100 mile
11288856	100 mile	11515202	100 mile	11706678	100 mile		

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
3-6-14	4.5	0	3-7-14	4.5	1			

TOTAL Total is the sum of each column separately

## Job

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	06 - Mar - 2014	16:00	CST
Form Type	BHST		Job Started	06 - Mar - 2014	19:00	CST
Job depth MD	2500. ft		Job Completed	06 - Mar - 2014	02:40	CST
Water Depth	Wk Ht Above Floor		Departed Loc	07 - Mar - 2014	03:40	CST
Perforation Depth (MD)	From	To		07 - Mar - 2014	04:30	CST

## Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12.25" Open Hole				12.25					700.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		700.		

## Tools and Accessories


Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

## Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

## Fluid Data

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Fresh Water		10.00	bbl	8.33	.0	.0	.0		
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)	220.0	sacks	12.4	2.12	11.68		11.68	
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	11.681 Gal	FRESH WATER								
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)	150.0	sacks	15.6	1.2	5.32		5.32	
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
	0.125 lbm	POLY-E-FLAKE (101216940)								
	5.319 Gal	FRESH WATER								
4	Displacement		50.00	bbl	8.33	.0	.0	.0		
Calculated Values			Pressures			Volumes				
Displacement	49	Shut In: Instant		Lost Returns		Cement Slurry	83/32	Pad		
Top Of Cement		5 Min		Cement Returns	40	Actual Displacement	49	Treatment		
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	174	
Rates										
Circulating	5	Mixing	5	Displacement	5	Avg. Job	5			
Cement Left In Pipe	Amount	42 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature 						



*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 305021	<b>Ship To #:</b> 3361627	<b>Quote #:</b>	<b>Sales Order #:</b> 901173980
<b>Customer:</b> SANDRIDGE ENERGY INC EBUSINESS		<b>Customer Rep:</b> Webster, John	
<b>Well Name:</b> Suzanne 3306	<b>Well #:</b> 3-34H	<b>API/UWI #:</b> 15-077-22024	
<b>Field:</b>	<b>City (SAP):</b> ANTHONY	<b>County/Parish:</b> Harper	<b>State:</b> Kansas
<b>Legal Description:</b> Section 34 Township 33S Range 6W			
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.		<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.	
<b>Contractor:</b> *UNIT DRILLING*	<b>Rig/Platform Name/Num:</b> 310		
<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> FRENCH, JEREMY	<b>Srvc Supervisor:</b> UNDERWOOD, BILLY	<b>MBU ID Emp #:</b> 159068	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/06/2014 16:00							move over/BT's to reload
Arrive at Location from Service Center	03/06/2014 19:00							assess location/get with co rep
Safety Meeting - Pre Rig-Up	03/06/2014 19:10							
Rig-Up Equipment	03/06/2014 19:15							
Rig-Up Completed	03/06/2014 19:30							laying down collars/rig up run casing
Other	03/07/2014 02:00							on bottom/circ/rigdown casers
Safety Meeting - Pre Job	03/07/2014 02:40							job and safety procedures/prime truck
Test Lines	03/07/2014 02:50						3000.0	
Pump Water	03/07/2014 02:53		5	10			100.0	
Pump Lead Cement	03/07/2014 02:57		6	83			120.0	12.4# Extendacem
Pump Tail Cement	03/07/2014 03:11		5	32			150.0	15.6# Halcem
Drop Plug	03/07/2014 03:19							
Pump Displacement	03/07/2014 03:21		5	49			200.0	
Pump Displacement	03/07/2014 03:30		3				300.0	slow rate
Bump Plug	03/07/2014 03:33							40bbls cmt returns
Check Floats	03/07/2014 03:34							1/2bbl back
End Job	03/07/2014 03:35							rigdown meeting

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Rig-Down Equipment	03/07/2014 03:40							
Rig-Down Completed	03/07/2014 04:25							journey
Depart Location for Service Center or Other Site	03/07/2014 04:30							

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HALLIBURTON

## Cementing Job Summary

 REGULATORY DEPT  
 SANDRIDGE ENERGY  
 The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3361627	Quote #:	Sales Order #: 901199563
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Suzanne 3306	Well #: 3-34H	API/UWI #: 15-077-22024	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 34 Township 33S Range 6W			
Contractor: HORIZON		Rig/Platform Name/Num: HORIZON 7	
Job Purpose: Miscellaneous Pumping Service			
Well Type: Development Well		Job Type: Miscellaneous Pumping Service	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: WALTON, SCOTTY	MBU ID Emp #: 478229

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CHAMBERS, ANDREW Frank	11.0	544914	WALTON, SCOTTY Dwayne	11.0	478229			

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4-19-14	8	0	4-20-14	3	2			

TOTAL	Total is the sum of each column separately							
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## Job

## Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	19 - Mar - 2014	16:00	CST
Job depth MD			Job Depth TVD	Job Started	20 - Mar - 2014	00:30	CST
Water Depth			Wk Ht Above Floor	Job Completed	20 - Mar - 2014	01:10	CST
Perforation Depth (MD)	From		To	Departed Loc	20 - Mar - 2014	03:00	CST

## Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6.125" Open Hole				6.125				5202.	9058.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	N-80	5054.	9058.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5202.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	5054.		

## Tools and Accessories

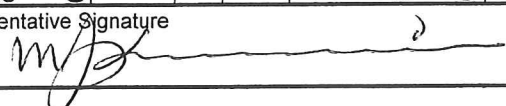
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

## Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

## Fluid Data

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	84 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature 					

*The Road to Excellence Starts with Safety*

Sold To #: 305021	Ship To #: 3361627	Quote #:	Sales Order #: 901199563
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Suzanne 3306	Well #: 3-34H	API/UWI #: 15-077-22024	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 34 Township 33S Range 6W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: HORIZON		Rig/Platform Name/Num: HORIZON 7	
Job Purpose: Miscellaneous Pumping Service			Ticket Amount:
Well Type: Development Well		Job Type: Miscellaneous Pumping Service	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: WALTON, SCOTTY	MBU ID Emp #: 478229

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/19/2014 13:00							Scotty Walton, Andrew Chambers
Pre-Convoy Safety Meeting	03/19/2014 13:45							Scotty Walton, Andrew Chambers
Depart from Service Center or Other Site	03/19/2014 14:00							
Arrive At Loc	03/19/2014 16:30							Arrived at Location Safely, Went over job procedures, calculations, and safety hazards.(Hole TD 10193ft, 8.4PPG Mud, Total Liner 4.5" 11.6# Casing 5214.62ft, Shoe 85.81ft, 4056.09ft 4" DP,921.51ft HWT DP, 7" 26# Shoe at 5620ft, Top Of Liner 4978ft)
Assessment Of Location Safety Meeting	03/19/2014 17:00							Identified all Potential hazards and Safe Work Zones
Pre-Rig Up Safety Meeting	03/19/2014 21:30							All HES Personell Present (watch for trip hazards, low lite areas, pinch points , confined spaces, and wear all appropriate PPE)
Rig-Up Equipment	03/19/2014 22:00							
Rig-Up Completed	03/19/2014 23:00							Rig Up Completed Safely
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

# HALLIBURTON

## Cementing Job Log

Pre-Job Safety Meeting	03/20/2014 00:00							All HES, Customer Rep., and Rig Crew Present ( Went over dangers of being near pressurized lines, PPE, Pumping Procedures, heat stress and safe zones, muster point, and nearest hospital)
Other	03/20/2014 00:20							Tool Hand Dropped Ball
Pressure Test	03/20/2014 00:30							Test Lines to 5000PSI ( Rig Floor Clear, and Pumping Equipment area Clear)
Pump Ball	03/20/2014 00:33		5	94	0		910.0	Pumped Ball Down, at 5BPM
Slow Rate	03/20/2014 00:48		4	94	80		650.0	Slowed Rate at 80BBL to 4BPM
Set Tool	03/20/2014 00:52		1.5	94	94		2800.0	Landed Ball And Pressured Up To 2800PSI To Set Hanger
Test Tool	03/20/2014 01:05						1500.0	Pressure Tested Tool to 1500PSI for 5min
Release Annulus Pressure	03/20/2014 01:10						.0	Tool Tested Good
Pre-Rig Down Safety Meeting	03/20/2014 01:15							All HES Personell Present ( Went Over Heat Stress, PPE, Pinch Points, Trip Hazards, and Importance of Communication)
Rig-Down Equipment	03/20/2014 01:30							
Rig-Down Completed	03/20/2014 02:30							Rig Down Completed Safely
Depart Location Safety Meeting	03/20/2014 02:45							Scotty Walton, Andrew Chambers
Depart Location for Service Center or Other Site	03/20/2014 03:00							Scotty Walton, Andrew Chambers

Sold To # : 305021

Ship To # :3361627

Quote # :

Sales Order # : 901199563

SUMMIT Version: 7.3.0124

Thursday, March 20, 2014 02:05:00

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/1/2014
Job End Date:	4/2/2014
State:	Kansas
County:	Harper
API Number:	15-077-22024-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Suzanne 3306 3-34H
Longitude:	-97.95580000
Latitude:	37.12399000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,497
Total Base Water Volume (gal):	2,451,456
Total Base Non Water Volume:	0



## 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
Water	Operator	Carrier					
			Water	7732-18-5	100.00000	95.52034	
Sand, Brown (40/70)	Baker Hughes	Proppant					
			Crystalline Silica: Quartz (SiO2)	14808-60-7	100.00000	3.11660	
HCl, 10.1 - 15%	Baker Hughes	Acidizing					
			Water	7732-18-5	85.00000	0.65283	SmartCare Product
			Hydrochloric Acid	7647-01-0	15.00000	0.11521	SmartCare Product
Preferred Garnet RC 40/70	Baker Hughes	Proppant					
			Crystalline Silica (Quartz)	14808-60-7	100.00000	0.46826	
			Castor Oil	8001-79-4	5.00000	0.02341	
NE-900, tote	Baker Hughes	Non-emulsifier					
			Methanol	67-56-1	30.00000	0.01335	SmartCare Product
			Nonyl phenyl polyethylene glycol ether	9016-45-9	10.00000	0.00445	SmartCare Product
FRW-15DX	Baker Hughes	Friction Reducer					
			Anionic Water-Soluble Polymer	Trade Secret	100.00000	0.01313	
Scaletrol 7208, 330 gl tote	Baker Hughes	Scale Inhibitor					
			Ethylene Glycol	107-21-1	30.00000	0.00752	
Ferrotrol 300L (Totes)	Baker Hughes	Iron Control					

			Citric Acid	77-92-9	60.00000	0.00265	SmartCare Product
FRW-15A, tote	Baker Hughes	Friction Reducer					
			Contains non-hazardous ingredients that are shown in the non-MSDS section of this report.	NA	100.00000	0.00229	SmartCare Product
CI-27 (260 gal tote)	Baker Hughes	Corrosion Inhibitor					
			Methanol	67-56-1	60.00000	0.00046	
			Polyoxyalkylenes	Trade Secret	30.00000	0.00023	
			Fatty Acids	Trade Secret	30.00000	0.00023	
			Thiourea Polymer	68527-49-1	30.00000	0.00023	
			Propargyl Alcohol	107-19-7	10.00000	0.00008	
			Olefin	Trade Secret	5.00000	0.00004	
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.							
		Other Chemicals					
			Water	7732-18-5		0.03782	
			Copolymer	Trade Secret		0.01780	
			Diethylene Glycol	111-46-6		0.00125	
			Copolymer of Acrylamide and Sodium Acrylate	25987-30-8		0.00092	
			Hydrotreated Light Distillate	64742-47-8		0.00069	
			Nonyl Phenol Ethoxylate	127087-87-0		0.00011	
			Sorbitan Monooleate	1338-43-8		0.00011	
			Sodium Chloride	7647-14-5		0.00000	
			Formaldehyde	50-00-0		0.00000	
			Polyacrylate	Trade Secret			
			Potassium Chloride	7447-40-7			
			2-Propenoic, Polymer with Sodium Phosphinate, Sodium Salt	71050-62-9			
			Calcium Chloride	10043-52-4			

\* 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)





# Actual Wellpath Report

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## REFERENCE WELLPATH IDENTIFICATION

Operator	Sandridge Energy	Slot	Suzanne 3306 3-34H (Unit 310)
Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Suzanne 3306 3-34H (Unit 310) Actual
Facility	Suzanne 3306 3-34H Sec. 34-33S-6W		

## REPORT SETUP INFORMATION

Projection System	NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet	Software System	WellArchitect® 4.0.0
North Reference	Grid	User	Colejim
Scale	1.00003	Report Generated	3/18/2014 at 6:56:54 AM
Convergence at slot	0.34° East	Database/Source file	OKC/D:\Documents and Settings\colejim\Application Data\Well Explorer\temp\Sandridge Suzanne 3306 3-34H (Unit 310)_Svy (03-18-14).xml

## 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	2159777.00	171973.00	37°08'15.633"N	97°57'06.894"W
Facility Reference Pt			2159777.00	171973.00	37°08'15.633"N	97°57'06.894"W
Field Reference Pt			2132248.82	161602.28	37°06'34.560"N	98°02'47.460"W

## WELLPATH DATUM

Calculation method	Minimum curvature	Unit 310 (RKB) to Facility Vertical Datum	18.00ft
Horizontal Reference Pt	Slot	Unit 310 (RKB) to Mean Sea Level	1296.00ft
Vertical Reference Pt	Unit 310 (RKB)	Unit 310 (RKB) to Mud Line at Slot (Suzanne 3306 3-34H (Unit 310))	18.00ft
MD Reference Pt	Unit 310 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	188.44°



# Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Suzanne 3306 3-34H (Unit 310)
Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Suzanne 3306 3-34H (Unit 310) Actual
Facility	Suzanne 3306 3-34H Sec. 34-33S-6W		

WELLPATH DATA (124 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]	Comments	
0.00†	0.000	137.340	0.00	0.00	0.00	0.00	2159777.00	171973.00	0.00		
18.00	0.000	137.340	18.00	0.00	0.00	0.00	2159777.00	171973.00	0.00		
250.00	0.750	137.340	249.99	0.95	-1.12	1.03	2159778.03	171971.88	0.32		
687.00	0.500	137.340	686.97	3.95	-4.62	4.26	2159781.26	171968.38	0.06		
738.00	0.070	137.340	737.97	4.11	-4.81	4.43	2159781.43	171968.19	0.84		
801.00	0.720	264.230	800.96	4.23	-4.88	4.06	2159781.06	171968.12	1.21		
862.00	1.990	275.150	861.95	4.38	-4.82	2.63	2159779.63	171968.18	2.12		
925.00	2.790	272.840	924.89	4.59	-4.65	0.01	2159777.01	171968.35	1.28		
987.00	3.820	277.640	986.79	4.77	-4.30	-3.55	2159773.45	171968.70	1.72		
1049.00	5.030	279.860	1048.60	4.73	-3.56	-8.27	2159768.73	171969.44	1.97		
1112.00	5.350	282.100	1111.34	4.48	-2.47	-13.87	2159763.13	171970.53	0.60		
1174.00	5.970	286.530	1173.04	3.84	-0.94	-19.78	2159757.22	171972.06	1.22		
1236.00	6.190	287.130	1234.69	2.88	0.96	-26.07	2159750.93	171973.96	0.37		
1329.00	6.550	287.600	1327.12	1.28	4.04	-35.92	2159741.08	171977.04	0.39		
1360.00	7.090	287.380	1357.90	0.70	5.14	-39.43	2159737.57	171978.14	1.74		
1453.00	6.770	283.050	1450.22	-0.63	8.10	-50.24	2159726.75	171981.10	0.66		
1548.00	6.510	289.520	1544.58	-2.12	11.16	-60.78	2159716.22	171984.16	0.83		
1642.00	6.860	290.060	1637.94	-4.27	14.87	-71.07	2159705.93	171987.87	0.38		
1737.00	7.620	287.100	1732.19	-6.36	18.66	-82.42	2159694.58	171991.66	0.89		
1832.00	7.840	285.910	1826.32	-8.16	22.29	-94.67	2159682.33	171995.29	0.29		
1927.00	7.220	284.350	1920.50	-9.61	25.55	-106.69	2159670.31	171998.55	0.69		
2022.00	6.950	285.050	2014.78	-10.89	28.52	-118.02	2159658.98	172001.52	0.30		
2117.00	7.700	290.200	2109.00	-12.85	32.21	-129.54	2159647.45	172005.21	1.05		
2212.00	7.540	293.980	2203.16	-15.81	36.94	-141.21	2159635.78	172009.94	0.55		
2307.00	7.000	285.670	2297.40	-18.21	41.04	-152.48	2159624.51	172014.04	1.24		
2402.00	6.860	283.720	2391.71	-19.46	43.95	-163.57	2159613.43	172016.95	0.29		
2496.00	6.260	283.570	2485.09	-20.44	46.48	-174.00	2159602.99	172019.48	0.64		
2591.00	7.100	284.860	2579.45	-21.56	49.20	-184.71	2159592.28	172022.20	0.90		
2686.00	7.870	288.480	2673.64	-23.35	52.77	-196.56	2159580.44	172025.77	0.95		
2781.00	6.580	290.240	2767.88	-25.60	56.71	-207.83	2159569.16	172029.72	1.38		
2876.00	7.760	292.150	2862.14	-28.23	61.02	-218.88	2159558.11	172034.02	1.27		
2970.00	7.870	290.700	2955.26	-31.10	65.68	-230.78	2159546.22	172038.68	0.24		
3065.00	7.770	287.720	3049.38	-33.52	69.94	-242.98	2159534.02	172042.94	0.44		
3160.00	6.270	284.680	3143.67	-35.12	73.21	-254.11	2159522.88	172046.21	1.63		
3255.00	7.080	288.480	3238.02	-36.70	76.38	-264.69	2159512.31	172049.38	0.97		
3349.00	7.730	285.900	3331.24	-38.53	79.94	-276.26	2159500.73	172052.95	0.78		
3444.00	7.130	284.580	3425.44	-39.99	83.18	-288.11	2159488.88	172056.18	0.66		
3508.00	8.300	288.290	3488.86	-41.21	85.63	-296.34	2159480.65	172058.63	1.99		
3571.00	8.350	290.350	3551.20	-42.93	88.65	-304.95	2159472.04	172061.65	0.48		
3634.00	7.630	286.110	3613.59	-44.43	91.40	-313.26	2159463.74	172064.40	1.48		
3666.00	7.060	283.400	3645.32	-44.88	92.44	-317.21	2159459.78	172065.45	2.08		
3729.00	7.020	278.840	3707.85	-45.25	93.93	-324.78	2159452.21	172066.93	0.89		
3761.00	7.950	259.030	3739.58	-44.52	93.81	-328.88	2159448.11	172066.81	8.52		
3792.00	9.570	250.880	3770.22	-42.62	92.56	-333.42	2159443.57	172065.56	6.57		
3824.00	11.050	242.330	3801.70	-39.58	90.26	-338.65	2159438.34	172063.27	6.64		



# Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Suzanne 3306 3-34H (Unit 310)
Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Suzanne 3306 3-34H (Unit 310) Actual
Facility	Suzanne 3306 3-34H Sec. 34-33S-6W		

WELLPATH DATA (124 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
3855.00	13.180	236.290	3832.01	-35.46	86.92	-344.23	2159432.76	172059.92	7.99	
3887.00	15.120	227.200	3863.04	-29.75	82.06	-350.32	2159426.67	172055.06	9.20	
3919.00	17.230	221.150	3893.78	-22.51	75.66	-356.51	2159420.48	172048.66	8.43	
3950.00	19.690	215.560	3923.18	-14.00	67.95	-362.57	2159414.42	172040.95	9.77	
3982.00	22.060	211.230	3953.08	-3.66	58.42	-368.82	2159408.17	172031.42	8.83	
4014.00	24.140	206.880	3982.52	8.09	47.45	-374.89	2159402.10	172020.45	8.40	
4046.00	26.270	201.150	4011.47	21.21	35.00	-380.41	2159396.58	172008.00	10.12	
4077.00	28.460	198.150	4039.00	35.19	21.58	-385.19	2159391.80	171994.58	8.35	
4109.00	30.600	197.740	4066.84	50.74	6.58	-390.04	2159386.95	171979.58	6.72	
4140.00	32.960	197.500	4093.20	66.86	-8.98	-394.98	2159382.01	171964.02	7.62	
4172.00	35.740	197.610	4119.61	84.69	-26.20	-400.43	2159376.56	171946.80	8.69	
4204.00	38.430	197.020	4145.14	103.75	-44.62	-406.17	2159370.82	171928.38	8.48	
4235.00	40.660	196.900	4169.04	123.27	-63.49	-411.93	2159365.06	171909.50	7.20	
4267.00	42.440	198.090	4192.99	144.23	-83.73	-418.31	2159358.68	171889.26	6.08	
4299.00	43.920	197.150	4216.32	165.84	-104.60	-424.94	2159352.05	171868.39	5.04	
4330.00	45.230	197.600	4238.40	187.33	-125.37	-431.43	2159345.56	171847.63	4.35	
4362.00	47.680	196.560	4260.45	210.26	-147.54	-438.24	2159338.75	171825.46	8.01	
4394.00	50.090	194.980	4281.49	234.17	-170.74	-444.79	2159332.20	171802.26	8.40	
4425.00	53.040	194.190	4300.76	258.31	-194.24	-450.90	2159326.09	171778.76	9.72	
4457.00	54.970	193.760	4319.56	284.08	-219.36	-457.15	2159319.84	171753.64	6.13	
4488.00	57.330	193.570	4336.83	309.72	-244.37	-463.23	2159313.76	171728.62	7.63	
4520.00	59.570	193.960	4353.57	336.87	-270.86	-469.72	2159307.27	171702.13	7.08	
4552.00	61.750	194.560	4369.25	364.62	-297.89	-476.59	2159300.40	171675.10	7.01	
4583.00	63.910	194.630	4383.41	392.04	-324.58	-483.54	2159293.45	171648.41	6.97	
4615.00	66.100	193.920	4396.93	420.89	-352.69	-490.69	2159286.30	171620.30	7.13	
4646.00	67.970	193.480	4409.02	449.31	-380.42	-497.45	2159279.54	171592.57	6.17	
4678.00	70.030	193.370	4420.49	479.07	-409.47	-504.38	2159272.60	171563.52	6.45	
4710.00	71.750	193.060	4430.97	509.20	-438.91	-511.30	2159265.69	171534.08	5.45	
4741.00	73.910	192.860	4440.12	538.72	-467.77	-517.94	2159259.05	171505.22	6.99	
4773.00	77.050	192.700	4448.14	569.61	-497.98	-524.79	2159252.20	171475.01	9.82	
4805.00	80.010	193.730	4454.50	600.86	-528.50	-531.96	2159245.03	171444.48	9.77	
4869.00	84.100	193.560	4463.35	663.97	-590.09	-546.91	2159230.08	171382.90	6.40	
4932.00	85.850	193.890	4468.86	726.46	-651.05	-561.80	2159215.19	171321.93	2.83	
4996.00	86.540	193.060	4473.11	790.07	-713.15	-576.68	2159200.31	171259.83	1.68	
5059.00	87.910	193.910	4476.16	852.75	-774.34	-591.35	2159185.63	171198.64	2.56	
5122.00	89.450	194.200	4477.61	915.43	-835.44	-606.65	2159170.34	171137.54	2.49	
5169.00	90.490	194.400	4477.64	962.18	-880.98	-618.26	2159158.73	171092.00	2.25	
5269.00	91.480	193.770	4475.92	1061.68	-977.96	-642.59	2159134.40	170995.02	1.17	
5351.00	88.950	192.260	4475.61	1143.41	-1057.84	-661.05	2159115.93	170915.13	3.59	
5397.00	87.970	190.820	4476.85	1189.32	-1102.89	-670.25	2159106.73	170870.08	3.79	
5493.00	88.710	186.180	4479.63	1285.26	-1197.77	-684.43	2159092.55	170775.20	4.89	
5587.00	89.020	184.800	4481.49	1379.11	-1291.32	-693.42	2159083.56	170681.65	1.50	
5651.00	89.230	183.120	4482.47	1442.91	-1355.16	-697.84	2159079.14	170617.81	2.65	
5746.00	89.570	181.920	4483.46	1537.39	-1450.06	-702.02	2159074.96	170522.90	1.31	
5841.00	90.090	181.810	4483.75	1631.77	-1545.01	-705.11	2159071.87	170427.95	0.56	



# Actual Wellpath Report

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### REFERENCE WELLPATH IDENTIFICATION

Operator	Sandridge Energy	Slot	Suzanne 3306 3-34H (Unit 310)
Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Suzanne 3306 3-34H (Unit 310) Actual
Facility	Suzanne 3306 3-34H Sec. 34-33S-6W		

### WELLPATH DATA (124 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
5936.00	88.310	180.780	4485.07	1726.01	-1639.97	-707.26	2159069.73	170332.99	2.16	
6031.00	88.740	179.830	4487.52	1820.03	-1734.93	-707.76	2159069.22	170238.02	1.10	
6126.00	89.110	179.400	4489.30	1913.88	-1829.91	-707.12	2159069.86	170143.04	0.60	
6221.00	89.380	179.760	4490.55	2007.74	-1924.90	-706.43	2159070.56	170048.05	0.47	
6315.00	89.720	179.460	4491.29	2100.63	-2018.90	-705.79	2159071.20	169954.05	0.48	
6410.00	89.970	179.150	4491.55	2194.42	-2113.89	-704.63	2159072.35	169859.05	0.42	
6505.00	90.620	179.460	4491.06	2288.21	-2208.88	-703.48	2159073.50	169764.06	0.76	
6600.00	90.490	179.330	4490.14	2382.03	-2303.87	-702.48	2159074.50	169669.07	0.19	
6695.00	90.460	179.190	4489.35	2475.81	-2398.86	-701.25	2159075.73	169574.08	0.15	
6790.00	90.030	178.820	4488.94	2569.52	-2493.85	-699.60	2159077.38	169479.09	0.60	
6884.00	90.740	178.740	4488.31	2662.19	-2587.82	-697.60	2159079.38	169385.11	0.76	
6979.00	89.380	179.420	4488.21	2755.92	-2682.81	-696.08	2159080.91	169290.12	1.60	
7074.00	89.290	180.700	4489.31	2849.90	-2777.80	-696.18	2159080.81	169195.13	1.35	
7169.00	90.250	180.800	4489.70	2944.04	-2872.79	-697.42	2159079.56	169100.14	1.02	
7264.00	90.800	180.760	4488.83	3038.19	-2967.77	-698.71	2159078.27	169005.15	0.58	
7359.00	90.180	180.590	4488.01	3132.31	-3062.76	-699.83	2159077.15	168910.16	0.68	
7454.00	90.620	182.090	4487.35	3226.58	-3157.73	-702.05	2159074.93	168815.19	1.65	
7549.00	89.230	181.530	4487.47	3320.94	-3252.68	-705.05	2159071.93	168720.23	1.58	
7644.00	90.090	180.690	4488.04	3415.16	-3347.66	-706.89	2159070.09	168625.25	1.27	
7739.00	91.570	182.140	4486.66	3509.43	-3442.62	-709.24	2159067.74	168530.29	2.18	
7833.00	89.820	181.370	4485.52	3602.78	-3536.56	-712.12	2159064.86	168436.35	2.03	
7928.00	86.610	180.950	4488.48	3696.96	-3631.48	-714.04	2159062.94	168341.42	3.41	
8023.00	87.810	180.930	4493.10	3791.03	-3726.36	-715.60	2159061.39	168246.55	1.26	
8118.00	88.770	181.610	4495.94	3885.24	-3821.29	-717.70	2159059.28	168151.61	1.24	
8212.00	90.030	180.950	4496.92	3978.50	-3915.26	-719.80	2159057.18	168057.64	1.51	
8307.00	89.350	180.900	4497.44	4072.69	-4010.24	-721.33	2159055.65	167962.65	0.72	
8402.00	90.250	182.130	4497.77	4166.99	-4105.21	-723.85	2159053.14	167867.69	1.60	
8497.00	91.110	182.250	4496.64	4261.42	-4200.13	-727.48	2159049.51	167772.76	0.91	
8592.00	90.580	181.350	4495.24	4355.77	-4295.07	-730.46	2159046.52	167677.82	1.10	
8686.00	92.400	181.620	4492.80	4449.04	-4389.00	-732.89	2159044.09	167583.88	1.96	
8781.00	92.370	181.800	4488.84	4543.31	-4483.88	-735.73	2159041.25	167489.00	0.19	
8876.00	91.880	179.690	4485.32	4637.38	-4578.80	-736.96	2159040.02	167394.08	2.28	
8968.00	91.790	180.690	4482.37	4728.38	-4670.75	-737.27	2159039.72	167302.13	1.09	
9027.00	91.790	180.690	4480.53	4786.81	-4729.72	-737.98	2159039.01	167243.16	0.00	



# Actual Wellpath Report

AWP  
Page 5 of 5



REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Suzanne 3306 3-34H (Unit 310)
Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Suzanne 3306 3-34H (Unit 310) Actual
Facility	Suzanne 3306 3-34H Sec. 34-33S-6W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Suzanne 3306 3-34H PBHL		4497.40	-4731.00	-702.00	2159074.98	167241.88	37°07'28.898"N	97°57'15.905"W	point

WELLPATH COMPOSITION - Ref Wellbore: Suzanne 3306 3-34H (Unit 310) Actual Ref Wellpath: AWP					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	
18.00	687.00	Generic gyro - northseeking (Standard)	Gyro	Suzanne 3306 3-34H (Unit 310) Actual	
687.00	9027.00	AutoTrak G3 (MagCorr)	Autotrak	Suzanne 3306 3-34H (Unit 310) Actual	

Section 27  
33S 6W

JEFFERSON 3306 1-27H

Section 26  
33S 6W

SUZANNE 3306 3-34H

SUZANNE 3306 4-34H

MASON 3306 2-35H

HOOPES 3306 1-26H

MASON 3306 1-35H

LYDICK 1

PULLIAM 1

Top Perf: 4871'  
-97.954101 37.136061  
Miss Entry: 4889'  
-97.954101 37.136061

JACK 1-35

Section 34  
33S 6W

Harper County

Section 35  
33S 6W

SUZANNE 1-34

Bottom Perf: 8703'  
-97.954474 37.12572

BHL: 8984'  
-97.954467 37.124793

SUZANNE 2-34

346' FSL

1895' FEL

Section 3  
34S 6W

Section 2  
34S 6W



Actual Bottom-Hole Location of Suzanne 3306 3-34H  
T&R: 33S 6W  
Section: 34, 1895' FEL & 346' FSL  
-97.954467 37.124793

1

Draftsman:

Aaron Birk

Draft Date: 6/18/2014

Drawing Name/Number:

Addendum\_Suzanne 3306 3-34H.mxd

Coordinate System:

NAD 1927 State Plane  
Kansas South FIPS: 1502

< Actual BH Location

| SandRidge Wells

--- Perf

□ Sections

0 500 1,000 2,000 Feet

1 in = 667 ft