Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1204169

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 33596
Name: Unit Petroleum Company
Wellsite Geologist: Tammy Alcorn/ Hanna Thornberg
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 #:

1/17/2014	2/28/2014	3/26/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-22003-01-00
Spot Description:
SW NW NE NW Sec. 35 Twp. 33 S. R. 6 ☐ East ☑ West
349 Feet from ☑ North / ☐ South Line of Section
1508 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)*, Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Harper
Lease Name: Mason 3306 Well #: 1-35H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 1300 Kelly Bushing: 1316
Total Vertical Depth: 9042 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 688 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: 12000 ppm Fluid volume: 0 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: DFD Disposal
Lease Name: unknown License #: 99999
Quarter NE Sec. 30 Twp. 27 S. R. 6 ☐ East ☑ West
County: Grant, OK Permit #: 603749

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: 05/16/2014
☑ **Confidential Release Date:** 05/15/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 05/16/2014

1204169

Operator Name: SandRidge Exploration and Production LLC Lease Name: Mason 3306 Well #: 1-35H

Sec. 35 Twp. 33 S. R. 6 ☐ East ☑ West County: Harper

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Spectral Density Dual Space Neutron Memory Log
Array Induction Gamma Ray Memory Log

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

Name	Top	Datum
Base Heebner	3218	
Lansing	3590	
Cottage Grove	3874	
Oswego Limestone	4222	
Cherokee Group	4375	
Verdigris Limestone	4419	
Mississippi Unconformity	4787	

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor	24	20	75	80	basin services 10 sack grout	11	none
Surface	12.25	9.63	36	688	halliburton extendacem and sw	370	3% Calcium Chloride, .25 lbm Polly-E-Fla
Intermediate	8.75	7	26	5251	halliburton class A	340	2% Bentonite, .4% Halad (R)-9

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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

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

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

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

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

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

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

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

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

PRODUCTION INTERVAL:
_____
_____

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

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Mason 3306 1-35H
Doc ID	1204169

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8722-8900	1500 gals 15% HCL acid, 5862 bbls Fresh Slickwater, Running TLTR 6146 bbls	
5	8323-8585	1500 gals 15% HCL acid, 5810 bbls Fresh Slickwater, Running TLTR 12126 bbls	
5	7962-8155	1500 gals 15% HCL acid, 5843 bbls Fresh Slickwater, Running TLTR 18116 bbls	
5	7573-7874	1500 gals 15% HCL acid, 5827 bbls Fresh Slickwater, Running TLTR 23994 bbls	
5	7183-7500	1500 gals 15% HCL acid, 5742 bbls Fresh Slickwater, Running TLTR 29547 bbls	
5	6823-7120	1500 gals 15% HCL acid, 5802 bbls Fresh Slickwater, Running TLTR 35256 bbls	
5	6446-6745	1500 gals 15% HCL acid, 5752 bbls Fresh Slickwater, Running TLTR 40997 bbls	
5	6058-6367	1500 gals 15% HCL acid, 5634 bbls Fresh Slickwater, Running TLTR 46632 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Mason 3306 1-35H
Doc ID	1204169

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5683-5960	1500 gals 15% HCL acid, 5603 bbls Fresh Slickwater, Running TLTR 52007 bbls	
5	5300-5574	1500 gals 15% HCL acid, 5597 bbls Fresh Slickwater, Running TLTR 57558 bbls	
5	4863-5025	1500 gals 15% HCL acid, 4080 bbls Fresh Slickwater, Running TLTR 61638 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Mason 3306 1-35H
Doc ID	1204169

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	24	20	75	80	basin services 10 sack grout	11	none
Surface	12.25	9.63	36	688	halliburton extendacem and swifcem systems	370	3% Calcium Chloride, .25 lbm Polly-E-Flake
Intermediate	8.75	7	26	5251	halliburton class A	340	2% Bentonite, .4% Halad (R)-9

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

TICKET

TICKET NUMBER: WY-220-1
TICKET DATE: 01/18/2014

ELECTRONIC

YARD: WY WAYNOKA OK
LEASE: Mason 3306
WELL#: 1-35H
RIG #: Unit 310
Co/St: HARPER, KS

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

DESCRIPTION	QUANTITY	RATE	AMOUNT
1/17-18/2014 DRILLED 30" CONDUCTOR HOLE			
1/17-18/2014 20" CONDUCTOR PIPE (.250 WALL)			
1/17-18/2014 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
1/17-18/2014 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
1/17-18/2014 DRILLED 20" MOUSE HOLE (PER FOOT)			
1/17-18/2014 16" CONDUCTOR PIPE (.250 WALL)			
1/17-18/2014 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
1/17-18/2014 WELDING SERVICES FOR PIPE & LIDS			
1/17-18/2014 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
1/17-18/2014 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
1/17-18/2014 11 YDS OF 10 SACK GROUT			
1/17-18/2014 8 X 8 HOLE COVER			6,085.00
1/17-18/2014 TAXABLE ITEMS			11,165.00
1/17-18/2014 BID - TAXABLE ITEMS			
Sub Total:			17,250.00
Tax HARPER COUNTY (6.15 %):			374.23
TICKET TOTAL:			$ 17,624.23

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

Approved Signature _____

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 3353744	**Quote #:**	**Sales Order #:** 901120450
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Webster, John	
Well Name: Mason 3306	**Well #:** 1-35H		**API/UWI #:** 15-077-22003
Field:	**City (SAP):** ANTHONY	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 35 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	**Srvc 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 #
BRUNE, QUINTEN Lane	2.5	555721	COE, KYLE E	2.5	518980	UNDERWOOD, BILLY Dale	6	159068

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10012808C	100 mile	10624564C	100 mile	10744543	100 mile	10804555	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
2-15-14	2.5	1						
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**	**Bottom**	
Form Type		**BHST**	
Job depth MD	2500. ft	**Job Depth TVD**	
Water Depth		**Wk Ht Above Floor**	
Perforation Depth (MD)	**From**	**To**	

Job Times

	Date	Time	Time Zone
Called Out	15 - Feb - 2014	06:00	CST
On Location	15 - Feb - 2014	13:00	CST
Job Started	15 - Feb - 2014	13:35	CST
Job Completed	15 - Feb - 2014	14:35	CST
Departed Loc	15 - Feb - 2014	15:30	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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/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	50	Shut In: Instant		Lost Returns		Cement Slurry	83/32	Pad	
Top Of Cement		5 Min		Cement Returns	30	Actual Displacement	50	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	175

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	

The Information Stated Herein Is Correct	Customer Representative Signature

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 305021	**Ship To #:** 3353744	**Quote #:**	**Sales Order #:** 901120450
Customer: SANDRIDGE ENERGY INC EBUSINESS		**Customer Rep:** Webster, John	
Well Name: Mason 3306	**Well #:** 1-35H		**API/UWI #:** 15-077-22003
Field:	**City (SAP):** ANTHONY	**County/Parish:** Harper	**State:** Kansas
Legal Description: Section 35 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: *UNIT DRILLING*	**Rig/Platform Name/Num:** 310		
Job Purpose: Cement Surface Casing			**Ticket Amount:**
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: FRENCH, JEREMY	**Srvc Supervisor:** UNDERWOOD, BILLY		**MBU ID Emp #:** 159068

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl Stage	Volume bbl Total	Pressure psig Tubing	Pressure psig Casing	Comments
Call Out	02/15/2014 05:45							
Depart from Service Center or Other Site	02/15/2014 06:30							
Arrive at Location from Service Center	02/15/2014 09:00							
Depart from Service Center or Other Site	02/15/2014 10:00							trucks leaving yard
Standby - Other - see comments	02/15/2014 10:30							rigging up casers/run pipe
Other	02/15/2014 11:15							on bottom/circulate with rig/rigdown casers
Arrive at Location from Service Center	02/15/2014 12:45							trks on location/rig up meeting
Rig-Up Equipment	02/15/2014 12:55							
Rig-Up Completed	02/15/2014 13:20							prime truck
Safety Meeting - Pre Job	02/15/2014 13:30							joba and safety procedures
Test Lines	02/15/2014 13:43						2500.0	
Pump Water	02/15/2014 13:47		5	10			120.0	fresh water
Pump Lead Cement	02/15/2014 13:51		6	83			140.0	12.4# Extendacem
Pump Tail Cement	02/15/2014 14:08		5	32			150.0	15.6# Swiftcem
Drop Plug	02/15/2014 14:15							
Pump Displacement	02/15/2014 14:18		5	50			175.0	fresh water
Pump Displacement	02/15/2014 14:27		3.5				300.0	slow rate

HALLIBURTON

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	02/15/2014 14:30						1000.0	30bbls cement returns
Check Floats	02/15/2014 14:32							3/4bbl back
End Job	02/15/2014 14:35							rigdown meeting
Rig-Down Equipment	02/15/2014 14:40							
Rig-Down Completed	02/15/2014 15:20							journey
Depart Location for Service Center or Other Site	02/15/2014 15:30							

INVOICE

HALLIBURTON

Halliburton Energy Services, Inc.

Remit To: P.O. Box 301341, Dallas, TX 75303-1341

Wire Transfer Information
Account Number: Account 00032969
ABA Routing Number: 021000089

Invoice Date: February 24, 2014 **Invoice Number: 9500415236**

DIRECT CORRESPONDENCE TO:
P.O. Box 69
Burns Flat, OK 73624-0069
US
Tel: (580) 562-3131
Fax: (580) 562-3387

TO:

SANDRIDGE ENERGY INC EBUSINESS
ATTN: ACCOUNTS PAYABLE DEPT
PO BOX 548807 - DO NOT MAIL
OKLAHOMA CITY OK 73154

Rig Name:
Well Name: MASON 3306 1-35H,HARPER
Ship to: ANTHONY, KS 67003
HARPER
Job Date: February 22, 2014
Cust. PO No.: NA
Payment Terms: Net 60 days from Invoice date
Quote No.:
Sales Order No.: **901137130**
Manual Ticket No.:
Shipping Point: WOODWARD Shipping Point
Ultimate Destination Country: US
Customer Account No.: 305021

Contract No.:
Contract from:
Contract to:

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM. / JP015	1.00	JOB					
16091	ZI - PUMPING CHARGE- 12 HRS 001-016	1.000	EA		10,733.00	10,733.00	1,180.63-	9,552.37
	DEPTH	7500	FT					
2	MILEAGE FOR CEMENTING CREW,ZI 000-119	140.000	MI					0.00
	Number of Units	1	unit					
1	ZI-MILEAGE FROM NEAREST HES BA 000-117	140.000	MI					0.00
	Number of Units	1	unit					
141	RCM II W/ADC,/JOB,ZI 046-065	1.000	JOB					0.00
	NUMBER OF UNITS	1	each					
132	PORT. DAS W/CEMWIN;ACQUIRE W/H 045-050	1.000	JOB					0.00
	NUMBER OF DAYS	1	Days					
74038	ZI PLUG CONTAINER RENTAL-1ST D	1.000	EA					0.00
	DAYS OR FRACTION (MIN1)	1	Days					
101229888	PLUG,CMTG,TOP,7,HWE,5.66 MIN/6 PLUG, CEMENTING, TOP, 7, HWE, 5.66 / MIN/6.54 MAX CASING ID, SYNTHETIC / SERVICE	1.000	EA					0.00
452992	ECONOCEM MCII (TM) SYSTEM CMT, EconoCem (TM) system	150.00	SK		31.15	4,672.50	2,336.25-	2,336.25
452986	HALCEM (TM) SYSTEM	190.00	SK		48.19	9,156.10	4,578.05-	4,578.05
100003650	CAUSTIC SODA BEADS - 50#	50.000	LB					0.00

INVOICE

Continuation

HALLIBURTON

Halliburton Energy Services, Inc.

Remit To: P.O. Box 301341, Dallas, TX 75303-1341

Invoice Date: February 24, 2014 **Invoice Number: 9500415236**

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
76400	ZI MILEAGE,CMT MTLS DEL/RET MI 500-306 / MILEAGE,CMTG MTLS DEL/RET PER/TON MI.MIN	70.000	MI					0.00
	NUMBER OF TONS	16.15	ton					
3965	HANDLE&DUMP SVC CHRG, CMT&ADDI 500-207	359.000	CF					0.00
	NUMBER OF EACH	1	each					
	Unit of Measurement	EA						
86954	FUEL SURCHG-CARS/PICKUPS< 1 1/2 FUEL SURCHG-CARS/PICKUPS< 1 1/2TON/PER/MI	140.000	MI					0.00
	Number of Units	1	unit					
86955	FUEL SURCHG-HEAVY TRKS > 1 1/2 FUEL SURCHG-HEAVY TRKS > 1 1/2 TON/PER MI	140.000	MI					0.00
	Number of Units	1	unit					
87605	FUEL SURCHG-CMT & CMT ADDITIVE FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM	70.000	TNM					0.00
	NUMBER OF TONS	16.15	ton					
372867	Cmt PSL - DOT Vehicle Charge, Cmt PSL - DOT Vehicle Charge, CMT	3.000	EA					0.00
7	ENVIRONMENTAL CHARGE,/JOB,ZI 000-150	1.000	JOB					0.00
100001617	HALAD-9	54.000	LB					0.00
100003682	BENTONITE CHEMICAL - BENTONITE (PER 100 LB)	3.000	SK					0.00
100001617	HALAD-9	72.000	LB					0.00

INVOICE

Continuation

HALLIBURTON

Halliburton Energy Services, Inc.

Remit To: P.O. Box 301341, Dallas, TX 75303-1341

Invoice Date: February 24, 2014 **Invoice Number: 9500415236**

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
	Taxable							0.00
	Non-Taxable							16,466.67
	Total					24,561.60	8,094.93-	16,466.67
						24,561.60	8,094.93-	16,466.67
	Due on April 25, 2014							
	Invoice Total							16,466.67
								US Dollars
	CUSTOMER ROUTING DATA:							
	SDRG REMIT TO DEPT : SANDRIDGE E AND P~ ~ FOR ALL LOCATIONS							
	APPROVER NAME : M K							

Payment Terms: If Customer does not have an approved open account with Halliburton, all sums are payable in cash at the time of performance of services or delivery of equipment, products, or materials. If Customer has an approved open account, invoices are payable based upon the payment terms stated on this invoice or as otherwise stated in the applicable Halliburton contract governing performance or delivery. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable. In the event Halliburton employs an attorney for collection of any amount,Customer agrees to pay all reasonable and necessary attorney fees to recover the unpaid amount, plus all collection and court costs.

Mark Pace Phone: 4055528543 Cell: 4053976487

Clearance Report

AWP

Closest Approach

Page x of xx

REFERENCE WELLPATH IDENTIFICATION

Operator	**Sandridge Energy**	Slot	**Mason 3306 1-35H (Unit 310)**
Area	**Kansas**	Well	**Subject**
Field	**Harper County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Mason 3306 1-35H (Unit 310) Actual**
Facility	**Mason 3306 1-35H PAD Mason Dilbert & Hoopes**		

REPORT SETUP INFORMATION

Projection System	**NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet**	Software System	**WellArchitect® 4.0.0**
North Reference	**Grid**	User	**Potepat**
Scale	**1.00003**	Report Generated	**2/28/2014** at **8:44:20 AM**
Convergence at slot	**0.34° East**	Database/Source file	**wa_oklahoma city/D:\Documents and Settings\potepat\Application Data\Well Explorer\temp\Sandridge Mason 3306 1-35H (Unit 310)_Svy (02-28-14) Clearance.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**	2162542.00	171863.00	37°08'14.384"N	97°56'32.758"W
Facility Reference Pt			**2162542.00**	**171863.00**	37°08'14.384"N	97°56'32.758"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	**1316.00ft**
Vertical Reference Pt	**Unit 310 (RKB)**	Unit 310 (RKB) to Mud Line at Slot (Mason 3306 1-35H (Unit 310))	**18.00ft**
MD Reference Pt	**Unit 310 (RKB)**		
Field Vertical Reference	**Mean Sea Level**		

POSITIONAL UNCERTAINTY CALCULATION SETTINGS

Ellipse Confidence Limit	**3.00 Std Dev**	Ellipse Start MD	**18.00ft**	Surface Position Uncertainty	**included**
Declination	**4.44° East of TN**	Dip Angle	**65.27°**	Mag Field Strength	**51681 nT**
Slot Surface Uncertainty @1SD		Horizontal	**0.100ft**	Vertical	**1.000ft**
Facility Surface Uncertainty @1SD		Horizontal	**3.300ft**	Vertical	**3.000ft**

Positional Uncertainty values in the WELLPATH DATA table are the projection of the ellipsoid of uncertainty onto the vertical and horizontal planes

ANTI-COLLISION RULE

Rule Name	**Baker Hughes Stop Drilling**	Rule Based On	**Ratio**
Plane of Rule	**Closest Approach**	Threshold Value	**1.00**
Subtract Casing & Hole Size	**yes**	Apply Cone of Safety	**no**

WELLPATH COMPOSITION - Ref Wellbore: Mason 3306 1-35H (Unit 310) Actual Ref Wellpath: AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	8966.00	NaviTrak (Standard)	NaviTrak	Mason 3306 1-35H (Unit 310) Actual

Clearance Report

AWP

Closest Approach

Page x of xx

REFERENCE WELLPATH IDENTIFICATION

Operator	**Sandridge Energy**	Slot	**Mason 3306 1-35H (Unit 310)**
Area	**Kansas**	Well	**Subject**
Field	**Harper County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Mason 3306 1-35H (Unit 310) Actual**
Facility	**Mason 3306 1-35H PAD Mason Dilbert & Hoopes**		

CALCULATION RANGE & CUTOFF

From: **18.00ft MD**	To: **8966.00ft MD**	C-C Cutoff: **(none)**

OFFSET WELL CLEARANCE SUMMARY (1 Offset Wellpath selected) Ratios are calculated in Closest Approach plane

					C-C Clearance Distance			ACR Separation Ratio			
Offset Facility	Offset Slot	Offset Well	Offset Wellbore	Offset Wellpath	Ref MD [ft]	Min C-C Clear Dist [ft]	Diverging from MD [ft]	Ref MD of Min Ratio [ft]	Min Ratio	Min Ratio Dvrg from [ft]	ACR Status
Mason 3306 1-35H PAD Mason Dilbert & Hoopes	Dilbert SWD	Subject	Dilbert SWD Actual	AWP	18.00	21.00	18.00	318.00	2.95	8418.00	PASS

Clearance Report

AWP

Closest Approach

Page x of xx

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Mason 3306 1-35H (Unit 310)**
Area	**Kansas**	Well	**Subject**
Field	**Harper County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Mason 3306 1-35H (Unit 310) Actual**
Facility	**Mason 3306 1-35H PAD Mason Dilbert & Hoopes**		

CLEARANCE DATA - Offset Wellbore: Dilbert SWD Actual Offset Wellpath: AWP

Facility: Mason 3306 1-35H PAD Mason Dilbert & Hoopes Slot: Dilbert SWD Well: Subject Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Horiz Bearing [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
18.00	18.00	0.00	0.00	18.00	18.00	0.00	21.00	90.00	21.00	6.30	3.33	PASS
250.00	249.99	0.56	-1.95	249.86	249.85	-1.42	21.79	94.77	23.81	7.38	3.23	PASS
318.00†	317.98	0.89	-3.09	317.83	317.82	-1.90	22.16	96.31	25.40	8.61	2.95	PASS
500.00	499.95	1.77	-6.14	499.78	499.76	-3.10	23.18	99.44	29.72	8.95	3.32	PASS
688.00	687.92	2.68	-9.29	687.65	687.62	-4.69	24.24	102.40	34.33	9.64	3.56	PASS
768.00	767.90	3.14	-10.89	767.55	767.51	-5.66	24.81	103.86	36.77	9.98	3.69	PASS
830.00	829.85	3.78	-13.36	829.42	829.38	-6.56	25.30	104.97	40.01	10.30	3.89	PASS
861.00	860.78	4.25	-15.30	860.33	860.28	-7.01	25.55	105.41	42.38	10.49	4.04	PASS
893.00	892.70	4.81	-17.60	892.20	892.15	-7.48	25.82	105.80	45.12	10.64	4.24	PASS
924.00	923.60	5.40	-19.98	923.05	922.99	-7.93	26.09	106.14	47.96	10.78	4.45	PASS
955.00	954.49	6.10	-22.53	953.87	953.81	-8.40	26.37	106.51	51.00	10.93	4.66	PASS
985.00	984.35	6.98	-25.19	983.67	983.60	-8.86	26.65	107.00	54.21	11.08	4.89	PASS
1048.00	1047.04	9.06	-31.15	1046.25	1046.18	-9.88	27.26	107.96	61.40	11.40	5.38	PASS
1079.00	1077.89	10.01	-34.06	1077.07	1076.98	-10.39	27.54	108.32	64.90	11.56	5.61	PASS
1110.00	1108.74	10.96	-36.93	1107.88	1107.79	-10.91	27.82	108.66	68.35	11.72	5.83	PASS
1141.00	1139.56	11.84	-40.10	1138.63	1138.54	-11.44	28.09	108.85	72.06	11.88	6.07	PASS
1172.00	1170.35	12.68	-43.64	1169.35	1169.25	-11.97	28.38	108.89	76.12	12.05	6.32	PASS
1203.00	1201.09	13.59	-47.49	1200.01	1199.91	-12.50	28.67	108.91	80.51	12.21	6.59	PASS
1234.00	1231.82	14.56	-51.48	1230.70	1230.58	-13.04	28.96	108.93	85.05	12.38	6.87	PASS
1265.00	1262.53	15.62	-55.60	1261.36	1261.24	-13.57	29.24	108.98	89.74	12.54	7.15	PASS
1296.00	1293.19	16.92	-59.98	1291.97	1291.85	-14.11	29.52	109.12	94.74	12.72	7.45	PASS
1327.00	1323.82	18.44	-64.53	1322.53	1322.40	-14.65	29.79	109.33	99.96	12.89	7.75	PASS
1358.00	1354.45	19.89	-69.06	1353.10	1352.97	-15.18	30.06	109.49	105.15	13.06	8.05	PASS
1389.00	1385.09	21.29	-73.58	1383.67	1383.53	-15.70	30.33	109.59	110.31	13.24	8.33	PASS
1420.00	1415.72	22.70	-78.13	1414.27	1414.12	-16.21	30.60	109.69	115.50	13.41	8.61	PASS
1451.00	1446.33	24.22	-82.78	1444.88	1444.73	-16.71	30.87	109.81	120.80	13.59	8.89	PASS
1483.00	1477.89	25.91	-87.80	1476.44	1476.29	-17.20	31.12	109.93	126.50	13.77	9.18	PASS
1546.00	1539.94	29.42	-98.08	1538.57	1538.41	-18.09	31.59	110.13	138.10	14.15	9.76	PASS
1610.00	1602.88	33.20	-109.07	1601.64	1601.47	-18.87	31.99	110.26	150.37	14.53	10.35	PASS
1673.00	1664.62	37.23	-120.93	1663.23	1663.05	-19.55	32.36	110.33	163.48	14.93	10.95	PASS
1736.00	1726.10	41.64	-133.94	1724.63	1724.45	-20.19	32.75	110.35	177.79	15.35	11.58	PASS
1783.00	1771.94	44.76	-143.85	1770.53	1770.34	-20.63	33.02	110.29	188.57	15.65	12.05	PASS
1831.00	1818.77	47.68	-153.98	1817.34	1817.15	-21.05	33.27	110.16	199.47	15.94	12.51	PASS
1926.00	1911.16	53.97	-175.15	1909.38	1909.19	-21.87	33.80	109.95	222.30	16.55	13.43	PASS
1989.00	1972.39	58.09	-189.40	1970.38	1970.19	-22.41	34.20	109.80	237.66	16.98	13.99	PASS
2021.00	2003.55	59.88	-196.46	2001.42	2001.23	-22.69	34.41	109.68	245.20	17.19	14.27	PASS
2084.00	2064.77	63.66	-210.83	2062.32	2062.12	-23.20	34.86	109.47	260.60	17.60	14.81	PASS
2115.00	2094.82	65.65	-218.18	2092.19	2091.99	-23.44	35.10	109.38	268.51	17.81	15.08	PASS
2178.00	2155.92	69.46	-233.08	2153.13	2152.92	-23.89	35.63	109.16	284.48	18.23	15.61	PASS
2210.00	2186.98	71.22	-240.57	2184.12	2183.92	-24.11	35.90	109.03	292.46	18.44	15.86	PASS
2273.00	2248.15	74.90	-255.16	2245.40	2245.19	-24.49	36.42	108.82	308.07	18.86	16.33	PASS
2304.00	2278.27	76.98	-262.20	2275.62	2275.40	-24.64	36.67	108.78	315.69	19.08	16.55	PASS
2368.00	2340.59	81.47	-276.05	2337.85	2337.63	-24.88	37.17	108.76	330.79	19.52	16.94	PASS
2399.00	2370.85	83.65	-282.44	2367.97	2367.75	-24.99	37.42	108.76	337.82	19.74	17.11	PASS
2462.00	2432.30	88.33	-295.52	2429.26	2429.04	-25.18	37.96	108.80	352.29	20.19	17.45	PASS

Clearance Report

AWP

Closest Approach

Page x of xx

REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Mason 3306 1-35H (Unit 310)**
Area	**Kansas**	Well	**Subject**
Field	**Harper County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Mason 3306 1-35H (Unit 310) Actual**
Facility	**Mason 3306 1-35H PAD Mason Dilbert & Hoopes**		

CLEARANCE DATA - Offset Wellbore: Dilbert SWD Actual Offset Wellpath: AWP

Facility: Mason 3306 1-35H PAD Mason Dilbert & Hoopes Slot: Dilbert SWD Well: Subject Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Horiz Bearing [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
2494.00	2463.46	91.01	-302.29	2460.43	2460.21	-25.26	38.23	108.85	359.84	20.42	17.62	PASS
2557.00	2524.75	96.63	-315.71	2521.96	2521.74	-25.35	38.77	108.99	374.89	20.88	17.96	PASS
2589.00	2555.91	99.45	-322.43	2553.46	2553.23	-25.39	39.01	109.06	382.40	21.11	18.12	PASS
2652.00	2617.24	104.77	-335.86	2615.30	2615.07	-25.45	39.38	109.14	397.20	21.57	18.41	PASS
2684.00	2648.33	107.52	-342.92	2646.38	2646.15	-25.48	39.55	109.18	404.93	21.81	18.57	PASS
2747.00	2709.63	112.52	-356.53	2707.69	2707.47	-25.58	39.86	109.21	419.76	22.27	18.85	PASS
2778.00	2739.86	114.71	-363.04	2738.00	2737.78	-25.64	40.00	109.20	426.78	22.49	18.97	PASS
2841.00	2801.29	119.37	-376.24	2799.61	2799.38	-25.76	40.26	109.21	441.06	22.96	19.21	PASS
2873.00	2832.45	121.91	-383.07	2830.73	2830.50	-25.82	40.38	109.23	448.48	23.19	19.34	PASS
2936.00	2893.74	126.92	-396.73	2891.95	2891.72	-25.91	40.63	109.26	463.30	23.66	19.58	PASS
2968.00	2924.86	129.45	-403.74	2922.58	2922.36	-25.95	40.77	109.27	470.90	23.89	19.71	PASS
3031.00	2986.09	134.24	-417.79	2982.49	2982.26	-26.04	41.15	109.25	486.14	24.35	19.96	PASS
3063.00	3017.21	136.40	-424.91	3000.00	2999.77	-26.07	41.30	109.21	494.02	24.50	20.17	PASS
3126.00	3078.44	141.03	-439.00	3000.00	2999.77	-26.07	41.30	109.18	514.58	24.43	21.07	PASS
3157.00	3108.55	143.56	-445.94	3000.00	2999.77	-26.07	41.30	109.20	527.27	24.32	21.68	PASS
3253.00	3201.60	151.05	-468.32	3000.00	2999.77	-26.07	41.30	109.17	576.03	23.81	24.20	PASS
3316.00	3262.58	155.52	-483.50	3000.00	2999.77	-26.07	41.30	109.09	614.38	23.39	26.27	PASS
3348.00	3293.62	157.65	-490.97	3000.00	2999.77	-26.07	41.30	109.04	635.15	23.16	27.43	PASS
3443.00	3385.99	163.85	-512.28	3000.00	2999.77	-26.07	41.30	108.94	701.20	22.48	31.19	PASS
3506.00	3447.25	168.35	-526.28	3000.00	2999.77	-26.07	41.30	108.91	748.45	22.07	33.92	PASS
3538.00	3478.32	170.81	-533.53	3000.00	2999.77	-26.07	41.30	108.91	773.44	21.88	35.36	PASS
3632.00	3569.58	176.95	-555.20	3000.00	2999.77	-26.07	41.30	108.80	849.54	21.36	39.77	PASS
3727.00	3661.67	181.90	-578.01	3000.00	2999.77	-26.07	41.30	108.56	930.00	20.94	44.41	PASS
3790.00	3722.81	183.68	-593.06	3000.00	2999.77	-26.07	41.30	108.30	984.48	20.70	47.57	PASS
3822.00	3753.86	183.62	-600.80	3000.00	2999.77	-26.07	41.30	108.09	1012.38	20.58	49.19	PASS
3854.00	3784.73	182.72	-609.16	3000.00	2999.77	-26.07	41.30	107.80	1040.61	20.48	50.81	PASS
3885.00	3814.47	180.82	-617.71	3000.00	2999.77	-26.07	41.30	107.43	1068.10	20.38	52.40	PASS
3917.00	3844.90	177.66	-627.08	3000.00	2999.77	-26.07	41.30	106.95	1096.58	20.29	54.05	PASS
3949.00	3875.04	173.27	-636.90	3000.00	2999.77	-26.07	41.30	106.38	1125.07	20.20	55.70	PASS
3981.00	3904.95	167.55	-646.71	3000.00	2999.77	-26.07	41.30	105.72	1153.34	20.10	57.38	PASS
4011.00	3932.78	160.88	-655.71	3000.00	2999.77	-26.07	41.30	105.02	1179.53	20.01	58.95	PASS
4043.00	3962.15	152.50	-665.25	3000.00	2999.77	-26.07	41.30	104.18	1207.17	19.91	60.63	PASS
4075.00	3991.27	143.01	-674.52	3000.00	2999.77	-26.07	41.30	103.29	1234.53	19.81	62.31	PASS
4106.00	4019.23	132.92	-683.30	3000.00	2999.77	-26.07	41.30	102.38	1260.80	19.72	63.92	PASS
4138.00	4047.80	121.60	-692.22	3000.00	2999.77	-26.07	41.30	101.38	1287.72	19.63	65.59	PASS
4170.00	4076.09	109.28	-700.69	3000.00	2999.77	-26.07	41.30	100.34	1314.28	19.54	67.26	PASS
4201.00	4103.14	96.38	-708.61	3000.00	2999.77	-26.07	41.30	99.27	1339.70	19.45	68.87	PASS
4233.00	4130.45	81.82	-716.75	3000.00	2999.77	-26.07	41.30	98.10	1365.55	19.37	70.51	PASS
4265.00	4156.98	65.89	-724.87	3000.00	2999.77	-26.07	41.30	96.84	1390.90	19.28	72.13	PASS
4296.00	4181.99	49.30	-732.63	3000.00	2999.77	-26.07	41.30	95.56	1415.03	19.21	73.67	PASS
4328.00	4207.25	31.29	-740.47	3000.00	2999.77	-26.07	41.30	94.20	1439.60	19.14	75.23	PASS
4359.00	4231.10	13.08	-748.25	3000.00	2999.77	-26.07	41.30	92.84	1463.25	19.08	76.70	PASS
4391.00	4254.83	-6.66	-756.69	3000.00	2999.77	-26.07	41.30	91.39	1487.39	19.02	78.19	PASS
4423.00	4277.53	-27.49	-765.31	3000.00	2999.77	-26.07	41.30	89.90	1511.06	18.98	79.62	PASS
4454.00	4298.40	-48.83	-773.69	3000.00	2999.77	-26.07	41.30	88.40	1533.35	18.94	80.97	PASS

Clearance Report

AWP

Closest Approach

Page x of xx

REFERENCE WELLPATH IDENTIFICATION

Operator	**Sandridge Energy**	Slot	**Mason 3306 1-35H (Unit 310)**
Area	**Kansas**	Well	**Subject**
Field	**Harper County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Mason 3306 1-35H (Unit 310) Actual**
Facility	**Mason 3306 1-35H PAD Mason Dilbert & Hoopes**		

CLEARANCE DATA - Offset Wellbore: Dilbert SWD Actual Offset Wellpath: AWP

Facility: Mason 3306 1-35H PAD Mason Dilbert & Hoopes Slot: Dilbert SWD Well: Subject Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Horiz Bearing [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
4486.00	4318.91	-71.86	-782.19	3000.00	2999.77	-26.07	41.30	86.82	1555.75	18.91	82.27	PASS
4517.00	4338.00	-94.89	-790.35	3000.00	2999.77	-26.07	41.30	85.27	1577.10	18.89	83.49	PASS
4549.00	4356.73	-119.43	-798.76	3000.00	2999.77	-26.07	41.30	83.66	1598.68	18.88	84.70	PASS
4580.00	4373.92	-143.97	-806.70	3000.00	2999.77	-26.07	41.30	82.09	1619.04	18.87	85.79	PASS
4612.00	4390.63	-170.04	-814.76	3000.00	2999.77	-26.07	41.30	80.45	1639.53	18.88	86.85	PASS
4644.00	4406.04	-196.86	-822.93	3000.00	2999.77	-26.07	41.30	78.82	1659.42	18.90	87.82	PASS
4675.00	4419.62	-223.48	-831.18	3000.00	2999.77	-26.07	41.30	77.25	1678.14	18.93	88.66	PASS
4707.00	4432.23	-251.48	-840.15	3000.00	2999.77	-26.07	41.30	75.66	1696.97	18.97	89.45	PASS
4739.00	4443.61	-280.06	-848.99	3000.00	2999.77	-26.07	41.30	74.08	1715.16	19.03	90.14	PASS
4770.00	4453.41	-308.24	-857.38	3000.00	2999.77	-26.07	41.30	72.57	1732.14	19.09	90.72	PASS
4802.00	4461.98	-337.76	-866.27	3000.00	2999.77	-26.07	41.30	71.05	1748.97	19.18	91.21	PASS
4834.00	4469.10	-367.65	-875.21	3000.00	2999.77	-26.07	41.30	69.56	1765.10	19.27	91.59	PASS
4865.00	4474.84	-396.84	-883.90	3000.00	2999.77	-26.07	41.30	68.16	1780.25	19.37	91.89	PASS
4928.00	4483.78	-456.61	-901.67	3000.00	2999.77	-26.07	41.30	65.46	1810.20	19.64	92.19	PASS
4992.00	4490.57	-517.66	-919.63	3000.00	2999.77	-26.07	41.30	62.91	1840.52	19.96	92.19	PASS
5055.00	4496.09	-577.85	-937.41	3000.00	2999.77	-26.07	41.30	60.59	1871.17	20.26	92.34	PASS
5118.00	4500.62	-638.11	-955.23	3000.00	2999.77	-26.07	41.30	58.44	1902.68	20.58	92.44	PASS
5150.00	4502.53	-668.72	-964.35	3000.00	2999.77	-26.07	41.30	57.42	1919.02	20.75	92.49	PASS
5222.00	4505.96	-737.58	-985.08	3000.00	2999.77	-26.07	41.30	55.27	1956.60	21.14	92.57	PASS
5309.00	4507.92	-821.29	-1008.68	3000.00	2999.77	-26.07	41.30	52.86	2002.34	21.65	92.50	PASS
5372.00	4507.75	-882.47	-1023.68	3000.00	2999.77	-26.07	41.30	51.20	2035.09	22.05	92.28	PASS
5436.00	4506.96	-945.01	-1037.27	3000.00	2999.77	-26.07	41.30	49.57	2068.66	22.43	92.22	PASS
5531.00	4506.01	-1038.69	-1052.82	3000.00	2999.77	-26.07	41.30	47.22	2119.26	23.00	92.16	PASS
5594.00	4505.76	-1101.25	-1060.25	3000.00	2999.77	-26.07	41.30	45.69	2153.47	23.38	92.10	PASS
5625.00	4505.69	-1132.08	-1063.51	3000.00	2999.77	-26.07	41.30	44.97	2170.64	23.56	92.14	PASS
5720.00	4504.93	-1226.78	-1070.97	3000.00	2999.77	-26.07	41.30	42.81	2223.59	24.11	92.21	PASS
5815.00	4503.71	-1321.64	-1075.98	3000.00	2999.77	-26.07	41.30	40.77	2277.85	24.69	92.25	PASS
5910.00	4502.69	-1416.53	-1080.38	3000.00	2999.77	-26.07	41.30	38.89	2334.59	25.23	92.54	PASS
6005.00	4501.59	-1511.45	-1084.03	3000.00	2999.77	-26.07	41.30	37.15	2393.36	25.75	92.93	PASS
6100.00	4500.45	-1606.39	-1087.19	3000.00	2999.77	-26.07	41.30	35.53	2454.17	26.27	93.42	PASS
6194.00	4499.97	-1700.36	-1089.51	3000.00	2999.77	-26.07	41.30	34.04	2516.46	26.76	94.03	PASS
6289.00	4499.92	-1795.35	-1090.85	3000.00	2999.77	-26.07	41.30	32.62	2581.19	27.25	94.74	PASS
6384.00	4500.49	-1890.34	-1090.76	3000.00	2999.77	-26.07	41.30	31.27	2647.49	27.71	95.53	PASS
6479.00	4502.23	-1985.32	-1089.17	3000.00	2999.77	-26.07	41.30	29.98	2715.50	28.17	96.41	PASS
6574.00	4504.73	-2080.26	-1087.08	3000.00	2999.77	-26.07	41.30	28.78	2785.29	28.60	97.38	PASS
6668.00	4504.65	-2174.24	-1086.29	3000.00	2999.77	-26.07	41.30	27.70	2854.95	29.02	98.39	PASS
6763.00	4502.04	-2269.19	-1087.44	3000.00	2999.77	-26.07	41.30	26.71	2926.17	29.42	99.45	PASS
6858.00	4499.62	-2364.16	-1088.50	3000.00	2999.77	-26.07	41.30	25.79	2998.78	29.80	100.62	PASS
6952.00	4497.30	-2458.12	-1089.16	3000.00	2999.77	-26.07	41.30	24.93	3071.71	30.16	101.85	PASS
7047.00	4496.59	-2553.11	-1088.40	3000.00	2999.77	-26.07	41.30	24.09	3146.85	30.51	103.14	PASS
7142.00	4498.25	-2648.01	-1084.45	3000.00	2999.77	-26.07	41.30	23.24	3222.93	30.86	104.45	PASS
7237.00	4500.42	-2742.86	-1079.65	3000.00	2999.77	-26.07	41.30	22.42	3299.91	31.19	105.80	PASS
7332.00	4502.06	-2837.78	-1076.17	3000.00	2999.77	-26.07	41.30	21.67	3378.06	31.51	107.21	PASS
7427.00	4503.98	-2932.70	-1072.73	3000.00	2999.77	-26.07	41.30	20.97	3457.20	31.81	108.68	PASS
7521.00	4505.31	-3026.62	-1069.23	3000.00	2999.77	-26.07	41.30	20.31	3535.99	32.10	110.16	PASS

Clearance Report

AWP

Closest Approach

Page x of xx

REFERENCE WELLPATH IDENTIFICATION

Operator	**Sandridge Energy**	Slot	**Mason 3306 1-35H (Unit 310)**
Area	**Kansas**	Well	**Subject**
Field	**Harper County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Mason 3306 1-35H (Unit 310) Actual**
Facility	**Mason 3306 1-35H PAD Mason Dilbert & Hoopes**		

CLEARANCE DATA - Offset Wellbore: Dilbert SWD Actual Offset Wellpath: AWP

Facility: Mason 3306 1-35H PAD Mason Dilbert & Hoopes Slot: Dilbert SWD Well: Subject Threshold Value=1.00 † = interpolated/extrapolated station

Ref MD [ft]	Ref TVD [ft]	Ref North [ft]	Ref East [ft]	Offset MD [ft]	Offset TVD [ft]	Offset North [ft]	Offset East [ft]	Horiz Bearing [°]	C-C Clear Dist [ft]	ACR MASD [ft]	Sep Ratio	ACR Status
7616.00	4505.56	-3121.56	-1065.84	3000.00	2999.77	-26.07	41.30	19.68	3615.97	32.38	111.68	PASS
7711.00	4505.71	-3216.49	-1062.21	3000.00	2999.77	-26.07	41.30	19.08	3696.53	32.65	113.22	PASS
7806.00	4505.79	-3311.39	-1057.73	3000.00	2999.77	-26.07	41.30	18.50	3777.47	32.91	114.77	PASS
7859.00	4506.05	-3364.31	-1054.88	3000.00	2999.77	-26.07	41.30	18.18	3822.87	33.06	115.63	PASS
7954.00	4505.71	-3459.23	-1051.10	3000.00	2999.77	-26.07	41.30	17.65	3904.84	33.31	117.23	PASS
8017.00	4504.85	-3522.20	-1049.64	3000.00	2999.77	-26.07	41.30	17.33	3959.59	33.46	118.32	PASS
8112.00	4503.78	-3617.18	-1047.63	3000.00	2999.77	-26.07	41.30	16.87	4042.75	33.69	119.99	PASS
8207.00	4501.92	-3712.13	-1045.58	3000.00	2999.77	-26.07	41.30	16.43	4126.11	33.91	121.68	PASS
8302.00	4499.29	-3807.09	-1044.03	3000.00	2999.77	-26.07	41.30	16.02	4209.82	34.12	123.38	PASS
8397.00	4496.64	-3902.04	-1043.07	3000.00	2999.77	-26.07	41.30	15.63	4294.14	34.32	125.12	PASS
8492.00	4494.55	-3997.01	-1042.09	3000.00	2999.77	-26.07	41.30	15.26	4379.10	34.52	126.87	PASS
8587.00	4493.73	-4092.00	-1040.68	3000.00	2999.77	-26.07	41.30	14.90	4464.79	34.71	128.63	PASS
8681.00	4493.33	-4185.98	-1038.90	3000.00	2999.77	-26.07	41.30	14.56	4549.99	34.90	130.39	PASS
8776.00	4492.52	-4280.97	-1037.48	3000.00	2999.77	-26.07	41.30	14.23	4636.40	35.08	132.18	PASS
8871.00	4491.93	-4375.96	-1036.95	3000.00	2999.77	-26.07	41.30	13.92	4723.42	35.25	133.99	PASS
8966.00	4491.75	-4470.96	-1036.53	3000.00	2999.77	-26.07	41.30	13.63	4810.90	35.42	135.82	PASS

POSITIONAL UNCERTAINTY - Offset Wellbore: Dilbert SWD Actual Offset Wellpath: AWP

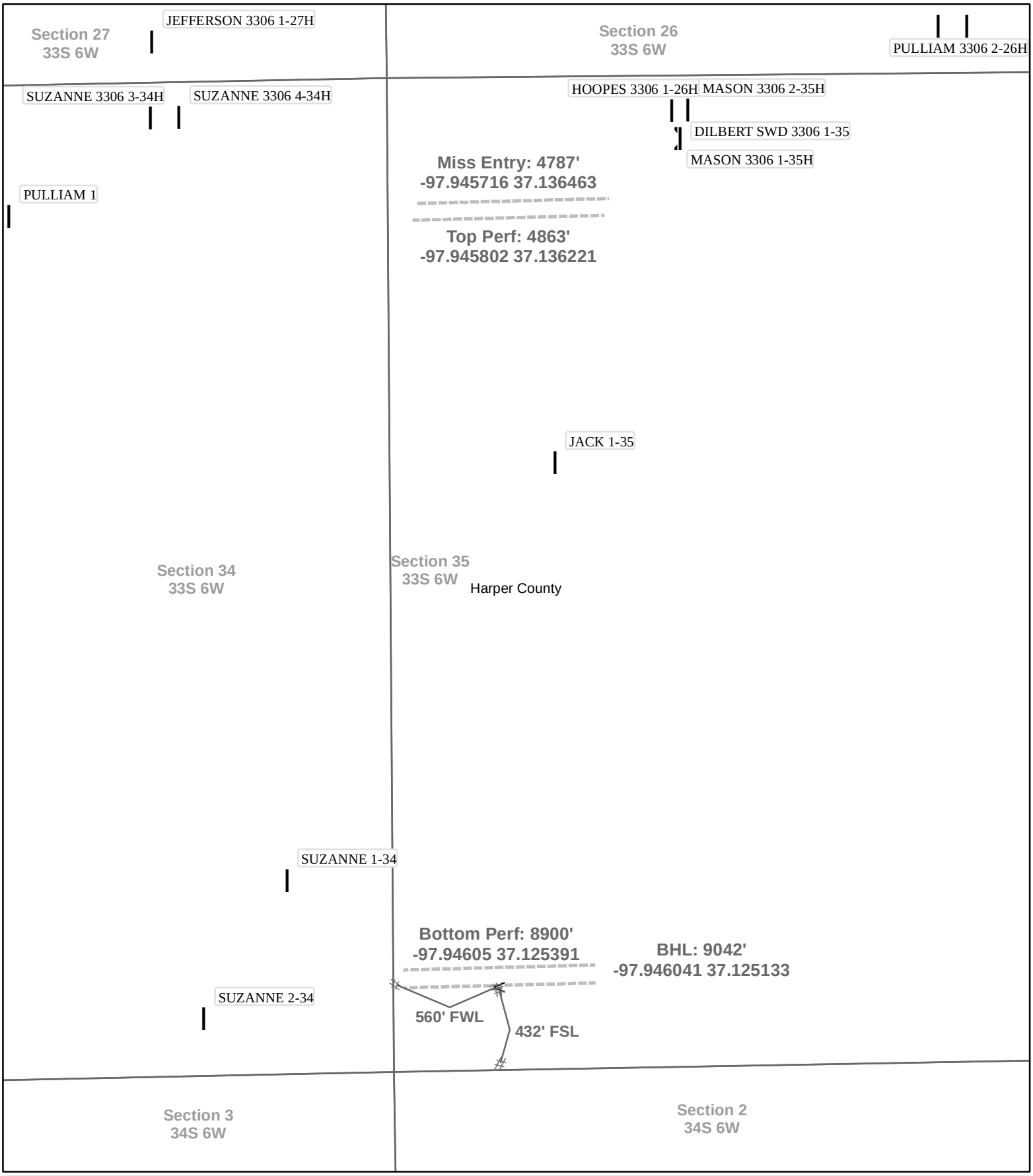
Slot Surface Uncertainty @1SD	Horizontal	**2.000ft**	Vertical	**1.000ft**
Facility Surface Uncertainty @1SD	Horizontal	**3.300ft**	Vertical	**3.000ft**

WELLPATH COMPOSITION - Offset Wellbore: Dilbert SWD Actual Offset Wellpath: AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	3000.00	Generic gyro - northseeking (Standard)	Gyro	Dilbert SWD Actual

OFFSET WELLPATH MD REFERENCE - Offset Wellbore: Dilbert SWD Actual Offset Wellpath: AWP

MD Reference: **Unit 310 (RKB)**	*Offset TVD & local coordinates use Reference Wellpath settings (See WELLPATH DATUM on page 1 of this report)*
Ellipse Start MD	**18.00ft**



SANDRIDGE
THE POWER OF US

< Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Mason 3306 1-35H
Harper County, Kansas
T&R: 33S 6W
Section: 35, 560' FWL & 432' FSL
-97.946041 37.125133

1 in = 667 ft

0 500 1,000 2,000 Feet

1

Draftsman: Aaron Birk

Draft Date: 5/14/2014

Drawing Name/Number: Addendum_Mason 3306 1-35H.mxd

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