Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1215580

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: Will Scott
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 #:

4/6/2014	4/24/2014	5/11/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-22007-01-00
Spot Description:
NW NW NE NW Sec. 35 Twp. 33 S. R. 6 ☐ East ☑ West
200 Feet from ☑ North / ☐ South Line of Section
1485 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: Hoopes 3306 Well #: 1-26H
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 1301 Kelly Bushing: 1317
Total Vertical Depth: 9307 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 648 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: 1540 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: SandRidge Exploration and Production, LLC
Lease Name: Conrady 2907 5-14H License #: 34192
Quarter SE Sec. 14 Twp. 29 S. R. 7 ☐ East ☑ West
County: Grant, OK Permit #: 053 23365

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: 07/31/2014
☑ **Confidential Release Date:** 07/30/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 08/05/2014

[redacted] 1215580

Operator Name: SandRidge Exploration and Production LLC Lease Name: Hoopes 3306 Well #: 1-26H

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:

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

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

Name	Top	Datum
Base Heebner	3175	
Lansing	3530	
Cottage Grove	3805	
Oswego	4154	
Cherokee	4302	
Verdigris	4332	
Mississippian	4662	

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	30	20	75	90	Basin Services 10 Sack Grout	9	none
Surface	12.25	9.63	36	648	Halliburton Class A	350	3% Calcium Chloride, .25 lbm Poly-E-Fla
Intermediate	8.75	7	26	5176	Halliburton Class A	320	.4% Halad (R)-9, 94 lb Premium Cement

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. 5/23/2014

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:
_____
_____

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Hoopes 3306 1-26H
Doc ID	1215580

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
1	8827-8830	750 gals 15% HCl, 1707 bbls fresh slickwater, TLTR 2683	
1	8599-8602	750 gals 15% HCl, 2829 bbls fresh slickwater, TLTR 5512	
1	8012-8015	750 gals 15% HCl, 2393 bbls fresh slickwater, TLTR 7205	
1	7785-7788	750 gals 15% HCl, 2568 bbls fresh slickwater, TLTR 9773	
1	7602-7605	750 gals 15% HCl, 2980 bbls fresh slickwater, TLTR 12753	
1	7379-7382	750 gals 15% HCl, 2634 bbls fresh slickwater, TLTR 15387	
1	7195-7198	750 gals 15% HCl, 2901 bbls fresh slickwater, TLTR 18288	
1	6974-6977	750 gals 15% HCl, 2569 bbls fresh slickwater, TLTR 20857	
1	6792-6795	750 gals 15% HCl, 2934 bbls fresh slickwater, TLTR 23791	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Hoopes 3306 1-26H
Doc ID	1215580

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
1	6564-6567	750 gals 15% HCl, 2643 bbls fresh slickwater, TLTR 26434	
1	6383-6386	750 gals 15% HCl, 2644 bbls fresh slickwater, TLTR 29079	
1	6158-6161	750 gals 15% HCl, 2774 bbls fresh slickwater, TLTR 31852	
1	5978-5981	750 gals 15% HCl, 2728 bbls fresh slickwater, TLTR 34580	
1	5760-5763	750 gals 15% HCl, 2734 bbls fresh slickwater, TLTR 37314	
1	5532-5535	750 gals 15% HCl, 2735 bbls fresh slickwater, TLTR 40049	
1	5304-5307	750 gals 15% HCl, 3060 bbls fresh slickwater, TLTR 43109	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Hoopes 3306 1-26H
Doc ID	1215580

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	75	90	Basin Services 10 Sack Grout	9	none
Surface	12.25	9.63	36	648	Halliburton Class A	350	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5176	Halliburton Class A	320	.4% Halad (R)-9, 94 lb Premium Cement

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

TICKET

TICKET NUMBER: WY-257-1
TICKET DATE: 04/08/2014

ELECTRONIC

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

YARD: WY WAYNOKA OK
LEASE: Hoopes 3306
WELL#: 1-26H
RIG #: Unit 310
Co/St: SUMNER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
4/7-8/2014 DRILLED 30" CONDUCTOR HOLE			
4/7-8/2014 20" CONDUCTOR PIPE (.250 WALL)			
4/7-8/2014 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
4/7-8/2014 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
4/7-8/2014 DRILLED 20" MOUSE HOLE (PER FOOT)			
4/7-8/2014 16" CONDUCTOR PIPE (.250 WALL)			
4/7-8/2014 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
4/7-8/2014 WELDING SERVICES FOR PIPE & LIDS			
4/7-8/2014 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
4/7-8/2014 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
4/7-8/2014 9 YDS OF 10 SACK GROUT			
4/7-8/2014 TAXABLE ITEMS			
4/7-8/2014 BID - TAXABLE ITEMS			5,340.00
			11,910.00
Sub Total:			17,250.00
Tax SUMNER COUNTY (6.65 %):			355.11
TICKET TOTAL:			$ 17,605.11

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

Approved Signature _____

HALLIBURTON

Field Ticket

Field Ticket Number:	0901268442	Field Ticket Date:	Sunday, April 13, 2014	Planning Order #:	NA

Bill To:
SANDRIDGE ENERGY INC EBUSINESS,
PO BOX 548807 - DO NOT MAIL,
OKLAHOMA CITY, OK, 73154

Ship To:
HOOPES -3306- 1-26 H,HARPER,
ANTHONY, KS, 67003

Job Name:	9.625" Surface Casing
Order Type:	ZOH
Well Name:	HOOPES -3306- 1-26 H
Company Code:	1100
Customer PO No.:	NA
Shipping Point:	WOODWARD Shipping Point
Sales Office:	MID-CONTINENT BD
Well Type:	HORIZONTAL OIL
Well Category:	Development

Material	Description	QTY	UOM	Unit Amount	Gross Amount	Discount	Net Amount
7521	CMT SURFACE CASING BOM	1	JOB	0.00	0.00		0.00
16091	ZI - PUMPING CHARGE *FEET/METERS (FT/M)* *DEPTH*	1 FT 2500	EA	7,095.00	7,095.00		7,095.00
2	MILEAGE FOR CEMENTING CREW	140	MI	0.00	0.00		0.00
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	140	MI	0.00	0.00		0.00
452981	CMT, ExtendaCem (TM) system	200	SK	34.63	6,926.00	3393.74	3,532.26
101216940	CHEM, Pol-E-Flake, 25 lb bag *Poly-E-Flake*	50	LB	0.00	0.00		0.00
101509387	CHEM, CALCIUM CHLORIDE-PELLET, 50 LB SK *Calcium Chloride, Pellet*	11	SK	0.00	0.00		0.00
452986	CMT, HalCem (TM) system	150	SK	47.04	7,056.00	3457.44	3,598.56
101216940	CHEM, Pol-E-Flake, 25 lb bag *Poly-E-Flake*	19	LB	0.00	0.00		0.00
101509387	CHEM, CALCIUM CHLORIDE-PELLET, 50 LB SK *Calcium Chloride, Pellet*	6	SK	0.00	0.00		0.00
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	394	CF	0.00	0.00		0.00
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	140	MI	0.00	0.00		0.00
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	140	MI	0.00	0.00		0.00
87605	FUEL SURCHG-CMT & CMT ADDITIVES	70	MI	0.00	0.00		0.00
76400	MILEAGE,CMT MTLS DEL/RET MIN	70	MI	0.00	0.00		0.00
			Totals	USD	$ 21,077.00	$ 6,851.18	$ 14,225.82

HALLIBURTON

Field Ticket Signature

Field Ticket Number: 0901268442	Field Ticket Date: Sunday, April 13, 2014	Planning Order #: NA

Bill To:
SANDRIDGE ENERGY INC EBUSINESS,
PO BOX 548807 - DO NOT MAIL,
OKLAHOMA CITY, OK, 73154

Ship To:
HOOPES -3306- 1-26 H,HARPER,
ANTHONY, KS, 67003

Job Name:	9.625" Surface Casing
Order Type:	ZOH
Well Name:	HOOPES -3306- 1-26 H
Company Code:	1100
Customer PO No.:	NA
Shipping Point:	WOODWARD Shipping Point
Sales Office:	MID-CONTINENT BD
Well Type:	HORIZONTAL OIL
Well Category:	Development

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE. CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE , ON ANY PRECEDING PAGES, AND ATTACHED DOCUMENTS.

Gross Amount Total:	$ 21,077.00
Item Discount Total:	$ 6,851.18
Net Amount Total:	$ 14,225.82 USD

Customer Representative Signature:

Date:

Michaek Kulchisky
Customer Representative

Billy Underwood
Halliburton Representative

Was our HSE performance satisfactory? (Health, Safety, Environment)
☐ Yes ☐ No

Were you satisfied with our equipment?
☐ Yes ☐ No

Were you satisfied with our people?
☐ Yes ☐ No

Comments:

AFE Number: DC. 13599
Well Name: HOOPES 3306-1-26H
Code: 830-360
Amount: 14,225.82
Co. Man: MICHAEL KULCHISKY
Co. Man Sig.:
Notes:

HALLIBURTON

Field Ticket

Field Ticket Number:	0901281795	Field Ticket Date:	Saturday, April 19, 2014	Planning Order #:	NA

Bill To:

SANDRIDGE ENERGY INC EBUSINESS,
PO BOX 548807 - DO NOT MAIL,
OKLAHOMA CITY, OK, 73154

Ship To:

HOOPES -3306- 1-26 H,HARPER,
ANTHONY, KS, 67003

Job Name:	7" Intermediate Casing
Order Type:	ZOH
Well Name:	HOOPES -3306- 1-26 H
Company Code:	1100
Customer PO No.:	NA
Shipping Point:	WOODWARD Shipping Point
Sales Office:	MID-CONTINENT BO
Well Type:	HORIZONTAL OIL
Well Category:	Development

Material	Description	QTY	UOM	Unit Amount	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM	1	JOB	0.00	0.00		0.00
16091	ZI - PUMPING CHARGE *DEPTH* *FEET/METERS (FT/M)*	1 7500 FT	EA	10,733.00	10,733.00	1180.63	9,552.37
2	MILEAGE FOR CEMENTING CREW	140	MI	0.00	0.00		0.00
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT	140	MI	0.00	0.00		0.00
141	RCM II W/ADC,/JOB,ZI	1	JOB	0.00	0.00		0.00
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB	0.00	0.00		0.00
74038	ZI PLUG CONTAINER RENTAL-1ST DAY	1	EA	0.00	0.00		0.00
101229888	PLUG,CMTG,TOP,7,HWE,5.66 MIN/6.54 MAX CS	1	EA	0.00	0.00		0.00
100003650	CHEM, CAUSTIC SODA BEADS, 50# *Caustic Soda Beads*	50	LB	0.00	0.00		0.00
101252566	AQUAGEL - 100 LB BAG *AQUAGEL - 100 LB BAG*	3	BAG	0.00	0.00		0.00
452992	CMT, EconoCem (TM) system	140	SK	31.15	4,361.00	2180.50	2,180.50
100001617	CHEM, Halad-9, 50 lb *Halad(R)-9*	50	LB	0.00	0.00		0.00
100003682	CHEM, BENTONITE (PER 100 LB) *Bentonite*	3	SK	0.00	0.00		0.00
452986	CMT, HalCem (TM) system	180	SK	48.19	8,674.20	4337.10	4,337.10
100001617	CHEM, Halad-9, 50 lb *Halad(R)-9*	68	LB	0.00	0.00		0.00
76400	MILEAGE,CMT MTLS DEL/RET MIN	70	MI	0.00	0.00		0.00
3965	HANDLE&DUMP SVC CHRG, CMT&ADDITIVES,ZI	333	CF	0.00	0.00		0.00
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	140	MI	0.00	0.00		0.00
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON	140	MI	0.00	0.00		0.00
87605	FUEL SURCHG-CMT & CMT ADDITIVES	70	MI	0.00	0.00		0.00
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI *HOURS* *HR/DAY/WEEK/MTH/YEAR/JOB/RUN*	1 1 H	EA	1,139.00	1,139.00	227.80	911.20
			Totals	*USD*	**$ 24,907.20**	**$ 7,926.03**	**$ 16,981.17**

HALLIBURTON

Field Ticket Signature

Field Ticket Number: 0901281795	Field Ticket Date: Saturday, April 19, 2014	Planning Order #: NA

Bill To:
SANDRIDGE ENERGY INC EBUSINESS,
PO BOX 548807 - DO NOT MAIL,
OKLAHOMA CITY, OK, 73154

Ship To:
HOOPES -3306- 1-26 H,HARPER,
ANTHONY, KS, 67003

Job Name:	7" Intermediate Casing
Order Type:	ZOH
Well Name:	HOOPES -3306- 1-26 H
Company Code:	1100
Customer PO No.:	NA
Shipping Point:	WOODWARD Shipping Point
Sales Office:	MID-CONTINENT BD
Well Type:	HORIZONTAL OIL
Well Category:	Development

THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE. CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE , ON ANY PRECEDING PAGES, AND ATTACHED DOCUMENTS.

Gross Amount Total:	$ 24,907.20
Item Discount Total:	$ 7,926.03
Net Amount Total:	$ 16,981.17 USD

Customer Representative Signature: _____ **Date:** 4/19/14

company man
Customer Representative

Arturo Villarreal
Halliburton Representative

Was our HSE performance satisfactory? (Health, Safety, Environment) ☐ Yes ☐ No

Were you satisfied with our equipment? ☐ Yes ☐ No

Were you satisfied with our people? ☐ Yes ☐ No

Comments:

AFE Number: DC 13599
Well Name: HOOPES 3306 - 1-26H
Code: 830 - 370
Amount: 16,981
Co. Man: MICHAEL KULCHISKY
Co. Man Sig :
Notes:

Company:	SandRidge	Job Number:	6291070	Calculation Method	Minimum Curvature
Well:	Hoopes 3306 1-26H	Magnetic Decl.:	4.42	Proposed Azimuth	359.57
Location:	Harper County KS	Grid Corr.:	0.34	Depth Reference	
Rig:	Unit 310	Total Grid Corr.:	4.08	Tie Into:	

Survey Tool Type	Survey Depth (ft)	Inclina-tion (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Tie In Coordinates														
Tie In	0	0.00	0.00	N 0.0 E	0	0	0	0 N	0 W					
MWD	15	0.00	0.00	N 0.0 E	15	15.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00	0.00	0.00
MWD	250	0.25	50.49	N 50.5 E	235	250.00	0.32	0.33 N	0.40 E	0.51	50.49	0.11	0.11	21.49
MWD	500	0.25	50.49	N 50.5 E	250	500.00	1.01	1.02 N	1.24 E	1.60	50.49	0.00	0.00	0.00
MWD	701	0.06	50.49	N 50.5 E	201	701.00	1.35	1.37 N	1.66 E	2.15	50.49	0.09	-0.09	0.00
MWD	1166	0.22	162.34	S 17.7 E	465	1165.99	0.65	0.67 N	2.12 E	2.22	72.42	0.05	0.03	24.05
MWD	1634	0.63	137.90	S 42.1 E	468	1633.98	-2.13	2.09 S	4.11 E	4.62	116.99	0.09	0.09	-5.22
MWD	2108	0.61	106.30	S 73.7 E	474	2107.95	-4.80	4.74 S	8.28 E	9.54	119.77	0.07	0.00	-6.67
MWD	2584	0.78	103.55	S 76.5 E	476	2583.92	-6.31	6.21 S	13.86 E	15.19	114.12	0.04	0.04	-0.58
MWD	3058	0.47	104.12	S 75.9 E	474	3057.89	-7.58	7.44 S	18.89 E	20.30	111.49	0.07	-0.07	0.12
MWD	3531	0.88	268.62	S 88.6 W	473	3530.88	-8.13	8.00 S	17.14 E	18.91	115.02	0.28	0.09	34.78
MWD	3721	1.47	324.29	N 35.7 W	190	3720.84	-6.16	6.05 S	14.25 E	15.49	113.01	0.64	0.31	29.30
MWD	3752	3.11	330.50	N 29.5 W	31	3751.81	-5.10	5.00 S	13.61 E	14.50	110.17	5.34	5.29	20.03
MWD	3784	4.88	332.81	N 27.2 W	32	3783.73	-3.13	3.03 S	12.56 E	12.92	103.58	5.55	5.53	7.22
MWD	3815	6.89	334.06	N 25.9 W	31	3814.57	-0.27	0.19 S	11.14 E	11.14	90.96	6.50	6.48	4.03
MWD	3847	9.03	335.02	N 25.0 W	32	3846.26	3.75	3.82 N	9.24 E	10.00	67.57	6.70	6.69	3.00
MWD	3879	11.30	336.19	N 23.8 W	32	3877.76	8.91	8.96 N	6.92 E	11.32	37.66	7.12	7.09	3.66
MWD	3910	13.66	336.91	N 23.1 W	31	3908.02	15.08	15.11 N	4.25 E	15.69	15.73	7.63	7.61	2.32
MWD	3941	16.35	337.31	N 22.7 W	31	3937.96	22.49	22.50 N	1.13 E	22.53	2.89	8.68	8.68	1.29
MWD	3973	18.96	338.73	N 21.3 W	32	3968.45	31.52	31.50 N	2.49 W	31.60	355.48	8.27	8.16	4.44
MWD	4004	21.03	340.56	N 19.4 W	31	3997.58	41.49	41.44 N	6.17 W	41.90	351.53	6.98	6.68	5.90
MWD	4036	22.61	344.37	N 15.6 W	32	4027.29	52.85	52.78 N	9.74 W	53.67	349.55	6.63	4.94	11.91
MWD	4067	24.44	346.17	N 13.8 W	31	4055.71	64.84	64.75 N	12.88 W	66.02	348.75	6.34	5.90	5.81
MWD	4099	26.61	347.05	N 13.0 W	32	4084.59	78.28	78.16 N	16.06 W	79.80	348.39	6.88	6.78	2.75
MWD	4130	29.14	347.90	N 12.1 W	31	4111.99	92.45	92.31 N	19.20 W	94.29	348.25	8.26	8.16	2.74
MWD	4162	31.90	347.89	N 12.1 W	32	4139.55	108.37	108.20 N	22.61 W	110.54	348.20	8.63	8.62	-0.03
MWD	4193	34.76	347.95	N 12.1 W	31	4165.45	125.05	124.85 N	26.17 W	127.57	348.16	9.23	9.23	0.19
MWD	4225	37.30	348.93	N 11.1 W	32	4191.33	143.51	143.29 N	29.94 W	146.39	348.20	8.14	7.94	3.06
MWD	4256	38.54	349.52	N 10.5 W	31	4215.78	162.26	162.01 N	33.50 W	165.44	348.32	4.17	4.00	1.90
MWD	4288	40.66	349.61	N 10.4 W	32	4240.44	182.34	182.07 N	37.20 W	185.83	348.45	6.63	6.62	0.28
MWD	4319	43.33	350.35	N 9.6 W	31	4263.47	202.79	202.49 N	40.80 W	206.56	348.61	8.76	8.61	2.39
MWD	4350	46.26	350.37	N 9.6 W	31	4285.47	224.35	224.02 N	44.46 W	228.39	348.78	9.45	9.45	0.06
MWD	4382	49.09	350.48	N 9.5 W	32	4307.01	247.71	247.35 N	48.39 W	252.04	348.93	8.85	8.84	0.34
MWD	4413	51.64	351.12	N 8.9 W	31	4326.79	271.30	270.91 N	52.21 W	275.90	349.09	8.38	8.23	2.06

Company:	SandRidge	Job Number:	6291070	Calculation Method	Minimum Curvature
Well:	Hoopes 3306 1-26H	Magnetic Decl.:	4.42	Proposed Azimuth	359.57
Location:	Harper County KS	Grid Corr.:	0.34	Depth Reference	
Rig:	Unit 310	Total Grid Corr.:	4.08	Tie Into:	

Survey Tool Type	Survey Depth (ft)	Inclina-tion (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
MWD	4445	53.75	352.45	N 7.6 W	32	4346.18	296.52	296.10 N	55.84 W	301.32	349.32	7.38	6.59	4.16
MWD	4476	54.82	353.01	N 7.0 W	31	4364.28	321.51	321.07 N	59.02 W	326.45	349.58	3.75	3.45	1.81
MWD	4508	57.66	353.11	N 6.9 W	32	4382.06	347.94	347.48 N	62.24 W	353.01	349.85	8.88	8.87	0.31
MWD	4539	61.45	353.86	N 6.1 W	31	4397.76	374.51	374.03 N	65.27 W	379.68	350.10	12.40	12.23	2.42
MWD	4571	65.04	353.88	N 6.1 W	32	4412.17	402.93	402.43 N	68.32 W	408.19	350.37	11.22	11.22	0.06
MWD	4603	67.57	354.11	N 5.9 W	32	4425.03	432.09	431.57 N	71.38 W	437.43	350.61	7.93	7.91	0.72
MWD	4634	69.86	354.25	N 5.8 W	31	4436.28	460.85	460.31 N	74.31 W	466.27	350.83	7.40	7.39	0.45
MWD	4666	71.52	353.63	N 6.4 W	32	4446.86	490.90	490.34 N	77.50 W	496.42	351.02	5.50	5.19	-1.94
MWD	4697	73.53	352.07	N 7.9 W	31	4456.17	520.27	519.67 N	81.18 W	525.97	351.12	8.07	6.48	-5.03
MWD	4729	76.02	353.23	N 6.8 W	32	4464.57	550.92	550.29 N	85.13 W	556.84	351.21	8.53	7.78	3.63
MWD	4761	77.58	353.48	N 6.5 W	32	4471.88	581.89	581.24 N	88.73 W	587.97	351.32	4.93	4.88	0.78
MWD	4792	79.75	354.45	N 5.6 W	31	4477.97	612.13	611.46 N	91.93 W	618.33	351.45	7.64	7.00	3.13
MWD	4824	82.90	354.29	N 5.7 W	32	4482.80	643.63	642.94 N	95.03 W	649.92	351.59	9.86	9.84	-0.50
MWD	4856	84.31	354.53	N 5.5 W	32	4486.36	675.31	674.59 N	98.13 W	681.69	351.72	4.47	4.41	0.75
MWD	4903	84.94	353.92	N 6.1 W	47	4490.76	721.89	721.14 N	102.84 W	728.44	351.88	1.86	1.34	-1.30
MWD	4951	85.78	353.49	N 6.5 W	48	4494.65	769.49	768.70 N	108.08 W	776.26	352.00	1.96	1.75	-0.90
MWD	4998	86.77	353.57	N 6.4 W	47	4497.70	816.13	815.30 N	113.37 W	823.14	352.08	2.11	2.11	0.17
MWD	5046	87.81	353.81	N 6.2 W	48	4499.97	863.82	862.95 N	118.64 W	871.07	352.17	2.22	2.17	0.50
MWD	5102	88.46	353.04	N 7.0 W	56	4501.79	919.47	918.55 N	125.05 W	927.03	352.25	1.80	1.16	-1.37
MWD	5156	89.45	353.67	N 6.3 W	54	4502.78	973.14	972.18 N	131.29 W	981.01	352.31	2.17	1.83	1.17
MWD	5240	90.40	353.45	N 6.6 W	84	4502.89	1056.68	1055.65 N	140.71 W	1064.99	352.41	1.16	1.13	-0.26
MWD	5335	90.49	354.98	N 5.0 W	95	4502.15	1151.26	1150.16 N	150.29 W	1159.94	352.56	1.61	0.09	1.61
MWD	5430	90.52	356.12	N 3.9 W	95	4501.31	1246.02	1244.87 N	157.66 W	1254.81	352.78	1.20	0.03	1.20
MWD	5525	90.68	356.40	N 3.6 W	95	4500.32	1340.85	1339.66 N	163.86 W	1349.65	353.03	0.34	0.17	0.29
MWD	5619	90.68	356.88	N 3.1 W	94	4499.20	1434.72	1433.49 N	169.37 W	1443.46	353.26	0.51	0.00	0.51
MWD	5714	91.20	358.21	N 1.8 W	95	4497.64	1529.65	1528.39 N	173.43 W	1538.20	353.53	1.50	0.55	1.40
MWD	5809	91.39	358.26	N 1.7 W	95	4495.50	1624.60	1623.32 N	176.36 W	1632.87	353.80	0.21	0.20	0.05
MWD	5904	91.72	357.91	N 2.1 W	95	4492.92	1719.53	1718.23 N	179.53 W	1727.59	354.03	0.51	0.35	-0.37
MWD	5999	90.40	359.22	N 0.8 W	95	4491.16	1814.50	1813.18 N	181.91 W	1822.29	354.27	1.96	-1.39	1.38
MWD	6094	90.22	358.95	N 1.1 W	95	4490.65	1909.49	1908.17 N	183.43 W	1916.97	354.51	0.34	-0.19	-0.28
MWD	6188	90.86	359.79	N 0.2 W	94	4489.76	2003.49	2002.16 N	184.46 W	2010.64	354.74	1.12	0.68	0.89
MWD	6283	90.89	359.16	N 0.8 W	95	4488.31	2098.47	2097.14 N	185.33 W	2105.32	354.95	0.66	0.03	-0.66
MWD	6378	91.38	359.06	N 0.9 W	95	4486.43	2193.45	2192.11 N	186.81 W	2200.06	355.13	0.53	0.52	-0.11
MWD	6473	92.24	359.25	N 0.8 W	95	4483.43	2288.40	2287.05 N	188.21 W	2294.78	355.30	0.93	0.91	0.20
MWD	6568	92.31	359.17	N 0.8 W	95	4479.66	2383.33	2381.97 N	189.52 W	2389.50	355.45	0.11	0.07	-0.08

Company:	SandRidge	Job Number:	6291070	Calculation Method	Minimum Curvature
Well:	Hoopes 3306 1-26H	Magnetic Decl.:	4.42	Proposed Azimuth	359.57
Location:	Harper County KS	Grid Corr.:	0.34	Depth Reference	
Rig:	Unit 310	Total Grid Corr.:	4.08	Tie Into:	

Survey Tool Type	Survey Depth (ft)	Inclina-tion (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
MWD	6662	91.57	359.10	N 0.9 W	94	4476.47	2477.27	2475.90 N	190.93 W	2483.26	355.59	0.79	-0.79	-0.07
MWD	6757	91.76	359.18	N 0.8 W	95	4473.71	2572.23	2570.85 N	192.36 W	2578.04	355.72	0.22	0.20	0.08
MWD	6852	89.75	0.33	N 0.3 E	95	4472.46	2667.21	2665.84 N	192.77 W	2672.80	355.86	2.44	-2.12	1.21
MWD	6947	89.75	359.38	N 0.6 W	95	4472.88	2762.21	2760.84 N	193.01 W	2767.57	356.00	1.00	0.00	-1.00
MWD	7041	90.00	0.38	N 0.4 E	94	4473.08	2856.20	2854.83 N	193.20 W	2861.36	356.13	1.10	0.27	1.06
MWD	7136	90.46	0.05	N 0.1 E	95	4472.70	2951.20	2949.83 N	192.85 W	2956.13	356.26	0.60	0.48	-0.35
MWD	7231	91.14	359.77	N 0.2 W	95	4471.37	3046.19	3044.82 N	193.00 W	3050.93	356.37	0.77	0.72	-0.29
MWD	7326	90.86	359.67	N 0.3 W	95	4469.72	3141.17	3139.81 N	193.46 W	3145.76	356.47	0.31	-0.29	-0.11
MWD	7421	90.86	359.45	N 0.6 W	95	4468.29	3236.16	3234.79 N	194.19 W	3240.62	356.56	0.23	0.00	-0.23
MWD	7515	90.65	359.19	N 0.8 W	94	4467.05	3330.15	3328.78 N	195.31 W	3334.50	356.64	0.36	-0.22	-0.28
MWD	7610	90.59	358.91	N 1.1 W	95	4466.02	3425.14	3423.76 N	196.88 W	3429.42	356.71	0.30	-0.06	-0.29
MWD	7705	90.65	358.63	N 1.4 W	95	4465.00	3520.13	3518.73 N	198.92 W	3524.35	356.76	0.30	0.06	-0.29
MWD	7800	90.28	357.77	N 2.2 W	95	4464.23	3615.09	3613.68 N	201.90 W	3619.32	356.80	0.99	-0.39	-0.91
MWD	7894	91.17	0.69	N 0.7 E	94	4463.04	3709.07	3707.65 N	203.17 W	3713.22	356.86	3.25	0.95	3.11
MWD	7989	90.74	0.52	N 0.5 E	95	4461.45	3804.05	3802.63 N	202.16 W	3808.01	356.96	0.49	-0.45	-0.18
MWD	8084	91.29	0.10	N 0.1 E	95	4459.77	3899.02	3897.62 N	201.65 W	3902.83	357.04	0.73	0.58	-0.44
MWD	8178	91.51	359.52	N 0.5 W	94	4457.47	3992.99	3991.59 N	201.96 W	3996.70	357.10	0.66	0.23	-0.62
MWD	8273	92.47	359.42	N 0.6 W	95	4454.17	4087.93	4086.53 N	202.84 W	4091.56	357.16	1.02	1.01	-0.11
MWD	8368	91.54	359.44	N 0.6 W	95	4450.85	4182.87	4181.46 N	203.78 W	4186.43	357.21	0.98	-0.98	0.02
MWD	8463	90.56	359.98	N 0.0 W	95	4449.11	4277.86	4276.44 N	204.26 W	4281.32	357.27	1.18	-1.03	0.57
MWD	8558	88.95	358.90	N 1.1 W	95	4449.52	4372.85	4371.43 N	205.19 W	4376.25	357.31	2.04	-1.69	-1.14
MWD	8652	90.43	358.18	N 1.8 W	94	4450.02	4466.83	4465.40 N	207.59 W	4470.22	357.34	1.75	1.57	-0.77
MWD	8747	90.46	357.46	N 2.5 W	95	4449.29	4561.78	4560.33 N	211.20 W	4565.21	357.35	0.76	0.03	-0.76
MWD	8842	90.83	357.33	N 2.7 W	95	4448.22	4656.71	4655.22 N	215.52 W	4660.21	357.35	0.41	0.39	-0.14
MWD	8937	91.27	357.91	N 2.1 W	95	4446.48	4751.64	4750.12 N	219.46 W	4755.19	357.35	0.77	0.46	0.61
MWD	9032	90.31	357.43	N 2.6 W	95	4445.17	4846.57	4845.03 N	223.33 W	4850.18	357.36	1.13	-1.01	-0.51
MWD	9127	90.68	357.43	N 2.6 W	95	4444.35	4941.50	4939.94 N	227.58 W	4945.18	357.36	0.39	0.39	0.00
MWD	9221	90.98	357.60	N 2.4 W	94	4442.98	5035.43	5033.84 N	231.66 W	5039.16	357.37	0.37	0.32	0.18
MWD	9256	91.26	357.42	N 2.6 W	35	4442.30	5070.40	5068.80 N	233.18 W	5074.16	357.37	0.95	0.80	-0.51
PROJ	9307	91.26	357.42	N 2.6 W	51	4441.18	5121.36	5119.73 N	235.48 W	5125.15	357.37	0.00	0.00	0.00
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Rig:	Unit 310	Total Grid Corr.:	4.08	Tie Into:	

Survey Tool Type	Survey Depth (ft)	Inclina-tion (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
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Company:	SandRidge	Job Number:	6291070	Calculation Method	Minimum Curvature
Well:	Hoopes 3306 1-26H	Magnetic Decl.:	4.42	Proposed Azimuth	359.57
Location:	Harper County KS	Grid Corr.:	0.34	Depth Reference	
Rig:	Unit 310	Total Grid Corr.:	4.08	Tie Into:	

Survey Tool Type	Survey Depth (ft)	Inclina-tion (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
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Well:	Hoopes 3306 1-26H	Magnetic Decl.:	4.42	Proposed Azimuth	359.57
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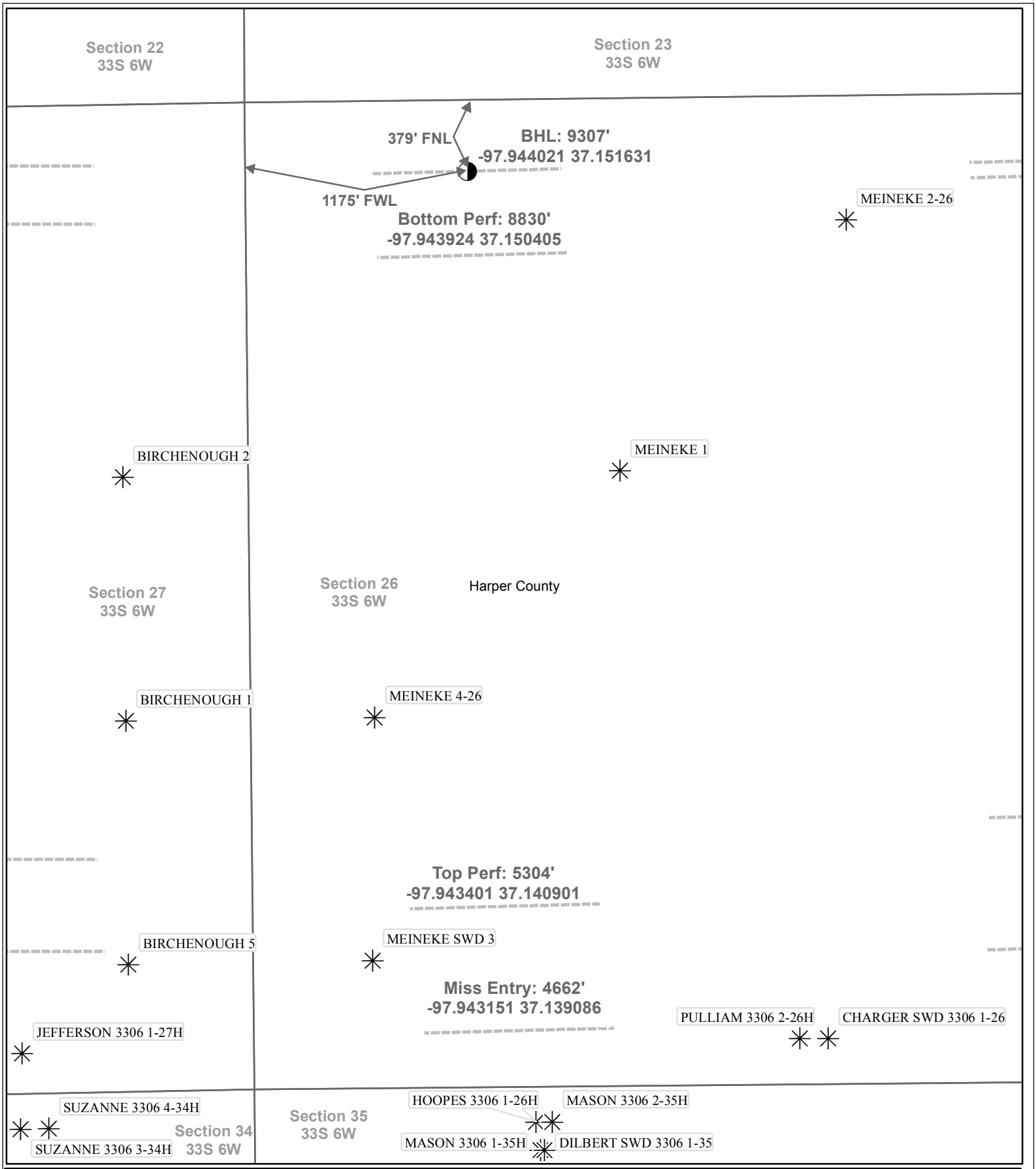

SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Hoopes 3306 1-26H
T&R: 33S 6W
Section: 26, 1175' FWL & 379' FNL
-97.944021 37.151631

1 in = 667 ft

0 500 1,000 2,000 Feet

N

Draftsman: Naomi Martinez

Draft Date: 7/16/2014

Drawing Name/Number: Addendum_Hoopes 3306 1-26H.mxd

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

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/4/2014
Job End Date:	5/5/2014
State:	Kansas
County:	Harper
API Number:	15-077-22007-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Hoopes 3306 1-26H
Longitude:	-97.94250000
Latitude:	37.13770000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,441
Total Base Water Volume (gal):	1,760,888
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	Archer	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	94.13765	None
Sand (Proppant)	Archer	Proppant					
			Silica Substrate	NA	100.00000	5.00945	None
Hydrochloric Acid (15%)	Archer	Acidizing					
			Hydrochloric Acid	7647-01-0	15.00000	0.11504	None
			NONYL PHENOL, 4 MOL	104-40-5	10.00000	0.00145	None
			Methyl Alcohol	67-56-1	80.00000	0.00085	None
			thiourea-formaldehyde copolymer	68527-49-1	15.00000	0.00016	None
AIC	Archer	Liquid Acid Iron Control					
			Acetic Acid	64-19-7	50.00000	0.00189	None
			Citric Acid	77-92-9	30.00000	0.00114	None
Chemflush	Archer	Enviro-Friendly Chemical Flush					
			Hydrotreated Petroleum Distillate	64742-47-8	99.00000	0.00169	None
			Alcohol Ethoxylate Surfactants	NA	10.00000	0.00017	None
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		0.03133	
			Anionic Polymer	N/A		0.01567	
			Aliphatic Hydrocarbon	64742-47-8		0.01567	
			Water	7732-18-5		0.01142	
			WATER	7732-18-5		0.00871	
			TRADE SECRET	N/A		0.00581	
			Polyol Ester	N/A		0.00261	
			Oxyalkylated Alcohol	68002-97-1		0.00261	
			Acrylic Polymer	28205-96-1		0.00190	
			Sodium Salt of Phosphate Ester	68131-72-6		0.00190	
			ISOPROPANOL	67-63-0		0.00145	
			METHANOL	67-56-1		0.00145	
			Water	7732-18-5		0.00132	
			Polyglycol Ester	N/A		0.00052	
			Alcohol Ethoxylate Surfactants	N/A		0.00016	
			n-olefins	N/A		0.00009	
			Propargyl Alcohol	107-19-7		0.00006	
			Tetrasodium Ethylenediaminetetraacetate	64-02-8		0.00005	
			Surfactant	N/A			
			Cinnamic Aldehyde	104-55-2			
			Acetic Acid	64-19-7			
			Buffer	N/A			
			Water	7732-18-5			

* 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)