



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1197598
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: _____

1197598

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

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

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

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Donna 3304 1-24H
Doc ID	1197598

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8402-8750	1500 gals 15% HCL acid, 6064 bbls Fresh Slickwater, Running TLTR 6394	
5	7985-8333	1500 gals 15% HCL acid, 5564 bbls Fresh Slickwater, Running TLTR 12432	
5	7586-7921	1500 gals 15% HCL acid, 5582 bbls Fresh Slickwater, Running TLTR 18014	
5	7178-7530	1500 gals 15% HCL acid, 5732 bbls Fresh Slickwater, Running TLTR 23887	
5	7178-7530	1500 gals 15% HCL acid, 5004 bbls Fresh Slickwater, Running TLTR 29031	
5	7178-7530	1500 gals 15% HCL acid, 5636 bbls Fresh Slickwater, Running TLTR 34777	
5	5985-6285	1500 gals 15% HCL acid, 5395 bbls Fresh Slickwater, Running TLTR 40263	
5	5635-5892	1500 gals 15% HCL acid, 5350 bbls Fresh Slickwater, Running TLTR 45695	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Donna 3304 1-24H
Doc ID	1197598

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5212-5568	1500 gals 15% HCL acid, 5389 bbls Fresh Slickwater, Running TLTR 51147	
5	4879-5142	1500 gals 15% HCL acid, 4389 bbls Fresh Slickwater, Running TLTR 55630	
5	4464-4634	1500 gals 15% HCL acid, 4077 bbls Fresh Slickwater, Running TLTR 59707	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Donna 3304 1-24H
Doc ID	1197598

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	30	20	75	120	Basin Services 10 Sack Group	10	none
Surface	17.5	13.38	54.5	391	O-Tex Lite Premium Plus 65/ Premium Pluc (Class C)	500	6% gel, 2% calcium chloride, 1/4pps Cello-Flake, .5% C-41P
Intermediate	8.75	7	26	4856	50:50 Poz:H/ Class H	330	.27% D013, 4% D020, 37 lb/sk D035, 2 lb/sk D042, .1% D065, .2% D079, .6% D112, 47 lb/sk D909
Production	6.13	4.5	11.6	8930	na	0	na



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

INVOICE

INVOICE NO.: 206
 INVOICE DATE: 06/24/2013

SANDRIDGE ENERGY
 123 ROBERT S KERR AVE
 OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK
 LEASE: Donna
 WELL#: 3304 1-24H
 RIG #: Lariat 45
 Co/St: SUMNER, KS

Tkt # WY-31-1 (10401) 05/26/2013-05/27/2013

DESCRIPTION	FOOTAGE	QUANTITY	RATE	AMOUNT
5/26-27/2013 DRILLED 30" CONDUCTOR HOLE				
5/26-27/2013 20" CONDUCTOR PIPE (.250 WALL)				
5/26-27/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING				
5/26-27/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN				
5/26-27/2013 DRILLED 20" MOUSE HOLE (PER FOOT)				
5/26-27/2013 16" CONDUCTOR PIPE (.250 WALL)				
5/26-27/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE				
5/26-27/2013 WELDING SERVICES FOR PIPE & LIDS				
5/26-27/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE				
5/26-27/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)				
5/26-27/2013 10 SACK GROUT				
5/26-27/2013 TAXABLE ITEMS				
5/26-27/2013 BID + TAXABLE ITEMS				

Sub Total:
 Tax SUMNER COUNTY (6.8 %):
 PLEASE PAY THIS AMOUNT:

██████████
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 ██████████

JOB SUMMARY			PROJECT NUMBER SOK 2730	TICKET DATE 06/01/13
COUNTY Sumner	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Bill Torbett	
LEASE NAME Donna 3304	Well No. 1-24H	JOB TYPE Surface	EMPLOYEE NAME Johnny Breeze	

EMP NAME					
Johnny Breeze		0			
Dustin Odom					
Flo Helkena					
Roy Morris					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 80 Pressure _____

Retainer Depth _____ Total Depth 400'

Date	Called Out 6/1/2013	On Location 6/1/2013	Job Started 6/1/2013	Job Completed 6/1/2013
Time	0300	0900	0955	1200

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	64.6#	13 3/4"		Surface	396	1,500
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		17 1/2"		Surface	400'	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	Lb/Gal
Spacer type	Fresh Water BBL.	10	8.33
Spacer type	BBL.		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
6/1	3.0	6/1	4.0	Surface
Total	3.0	Total	4.0	

MAX 1,500 PSI		AVG. 200	
Average Rates in BPM			
MAX 6 BPM		AVG 5	
Cement Left in Pipe			
Feet	46	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	320	FEX Lite Premium Plus 65 (6% Gel)	2% Calcium Chloride - 1/2pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	180	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.32	1.32	14.80
3	0	0		0	0.00	0.00

Summary					
Preflush	10.00	Type:	Fresh Water	Pad:Bbl - Gal	N/A
Breakdown	MAXIMUM 1,500 PSI	Load & Bkdn:	Gal - BBI	Calc. Disp Bbl	64
	Lost Returns-N	NO/FULL	Excess /Return BBI	Actual Disp.	64.13
	Actual TOC	SURFACE	Calc. TOC:	Disp:Bbl	
Average	Bump Plug PSI: 1,000	Final Circ.	PSI: 300		
isp	5 Min. 10 Min. 15 Min.	Cement Slurry:	BBI		
		Total Volume	BBI		211.32

CUSTOMER REPRESENTATIVE Bill Torbett SIGNATURE



Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Original

Service Contract Number
C1YQ-00495

Invoice Mailing Address: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)		Left District	Date: 13-Jan-2014	Time: 10:30 AM
123 ROBERT S. KERR AVENUE		Arrive Location	Date: 13-Jan-2014	Time: 3:00 PM
OKLAHOMA CITY OK		Start Job	Date: 13-Jan-2014	Time: 7:00 PM
73102-6408 United States		Complete Job	Date: 13-Jan-2014	Time: 9:00 PM
Customer PO		Leave Location	Date: 13-Jan-2014	Time: 10:00 PM
Contract		Arrived District	Date: 14-Jan-2014	Time: 1:30 AM
AFE 13472		Service Description Cementing Primary, Primary Intermediate		
Customer or Authorized Representative Tim Mills		Well Name & Number DONNA -3304- 1-24 H	Field UNDESIGNAT	
API / UWI 15191226710100		Cust Ref BOJS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_	County / Parish / Block / Borough Sumner	State / Province KS
Schlumberger Location El Reno, OK		Legal Location		
Pricebook BOJS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_		Rig Horizon 15		

Service Instructions:
 Provide services, equipment, materials and personnel to safely cement 7" intermediate casing per customer approval. Pump 30 bbl B306 gelled water, 230 sks 50:50 Poz:H + adds @ 13.60 ppg, 100 sks Class H tail @ 15.60 ppg, drop top plug and displace per client specifications.

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Quantity	UOM	Price	Discount	Amount
Products						
56704070	Plug, Top Rubber Alum Core 7 in	1	EA	400.00	47.00%	212.00
B306	PSG Polymer Slurry B306	6	GA	105.00	47.00%	333.90
D013	Retarder	69	LB	2.79	47.00%	102.03
D020	Bentonite Extender	773	LB	0.50	47.00%	204.84
D035-CF	LITEPOZ 3 Extender	115	CF	9.20	47.00%	560.74
D042	KOLITE Lost Circulation Additive	460	LB	0.99	47.00%	241.36
D065	TIC Dispersant	19	LB	7.86	47.00%	79.15
D079	Chemical Extender	39	LB	3.05	47.00%	63.04
D112	FLAC Fluid Loss Additive	116	LB	15.20	47.00%	934.50
D909	Cement, Class H	215	CF	24.13	47.00%	2,749.61
Products Subtotal:					10,341.85	
Discount:					4,860.68	
Products Total:					5,481.17	
Services						
48019000	Bulk Unit, Per Hr on location	16	HR	115.00	47.00%	975.20
48020000	Pump, Cement Add Hr	4	HR	609.90	35.00%	1,585.74
48601000	Cement Plug Container	1	JOB	556.40	47.00%	294.89
49100000	Cement Blending Charge	353	CF	2.43	47.00%	454.63
49102000	Transportation, Cement Ton-mile	1511	MI	2.16	47.00%	1,729.79
59200002	Transportation, Mileage Heavy Vehicles	100	MI	5.91	47.00%	313.23
59200005	Transportation, Mileage Light Vehicles	100	MI	3.47	47.00%	183.91
59697004	CemCAT Monitoring System	1	JOB	941.60	47.00%	499.05
102871050	Pump, Casing Cement 4501-5000 ft	1	EA	3,424.00	47.00%	1,814.72
102946000	Fuel Surcharge (non-discounted)	3	EA	450.00		1,350.00
107138100	Circulating Equipment before job	1	EA	1,498.00	25.00%	1,123.50
107264001	Regulatory Conformance Charge	3	EA	364.87		1,094.61
Services Subtotal:					18,203.76	
Discount:					6,784.49	
Services Total:					11,419.27	

Total (Before Discount):	28,545.81		
Discount:	11,645.17		
Special Discount:	0.00		
Estimated Total (USD):		16,900.44	



Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Service Contract Number
C1YQ-00496

Invoice Mailing Address: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)		Left District	Date: 13-Jan-2014	Time: 10:30 AM
123 ROBERT S. KERR AVENUE		Arrive Location	Date: 13-Jan-2014	Time: 3:00 PM
OKLAHOMA CITY OK		Start Job	Date: 13-Jan-2014	Time: 7:00 PM
73102-6406 United States		Complete Job	Date: 13-Jan-2014	Time: 9:00 PM
Customer PO		Leave Location	Date: 13-Jan-2014	Time: 10:00 PM
Contract	Well Name & Number	Arrived District	Date: 14-Jan-2014	Time: 1:30 AM
AFE 13472	DONNA -3304- 1-24 H	Service Description Cementing Primary, Primary Intermediate		
Customer or Authorized Representative	Field	Customer Ref		
Tim Mills	UNDESIGNAT	County / Parish / Block / Borough	Sumner	
API / UWI	State / Province	Schlumberger Location		
15191226710100	KS	El Reno, OK		
Pricebook	Legal Location	Rig		
BOJS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_	Horizon 15	Service Instructions:		
Provide services, equipment, materials and personnel to safely cement 7" intermediate casing per customer approval.				Pump 30 bbl B306 gelled
water, 230 sks 50:50 Poz:H + adds @ 13.60 ppg, 100 sks Class H tail @ 15.60 ppg, drop top plug and displace per client specifications.				

AFE Number: 13472
 Well Name: DONNA 3304 1-24H
 Code: 830-370
 Amount: 16,900.44
 Co. Man: Cody Davis
 Co. Man Sig.: Cody Davis
 Notes: _____

Estimated Total (USD): **16,900.44**

THE ESTIMATED CHARGES AND DATA SHOWN ABOVE ARE SUBJECT TO CORRECTION BY SCHLUMBERGER.

THE SERVICES, EQUIPMENT, MATERIALS AND/OR PRODUCTS PROVIDED BY THIS SERVICE CONTRACT RECEIPT HAVE BEEN PERFORMED OR RECEIVED AS SET FORTH ABOVE.

Signature of Customer or Authorized Representative:	Signature of Schlumberger Representative:
<u>Cody Davis</u>	<u>Dustin Green</u>
Tim Mills	Dustin Green
Date	Date



Sandridge Energy, INC.(mid-con.)

Sumner County (KS27S)

Sec 24-T33S-R04W

Donna 3304 1A-24H/Job #04598-431-22/Horizon 15

Wellbore #1

Design: Wellbore #1

Standard Survey Report

23 January, 2014

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Donna 3304 1A-24H/Job #04598-431-22/Horizon 15
Project:	Sumner County (KS27S)	TVD Reference:	WELL @ 1258.0usft (Original Well Elev)
Site:	Sec 24-T33S-R04W	MD Reference:	WELL @ 1258.0usft (Original Well Elev)
Well:	Donna 3304 1A-24H/Job #04598-431-22/Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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

Site Sec 24-T33S-R04W		
Site Position:	Northing: 181,606.00 usft	Latitude: 37° 9' 45.498 N
From: Map	Easting: 2,234,688.00 usft	Longitude: 97° 41' 40.820 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.49 °

Well Donna 3304 1A-24H/Job #04598-431-22/Horizon 15			
Well Position	+N-S 0.0 usft	Northing: 181,606.00 usft	Latitude: 37° 9' 45.498 N
	+E-W 0.0 usft	Easting: 2,234,688.00 usft	Longitude: 97° 41' 40.820 W
Position Uncertainty	0.0 usft	Wellhead Elevation: usft	Ground Level: 1,240.0 usft

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/20/13	4.18	65.27	51,736

Design Wellbore #1					
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)	
	0.0	0.0	0.0	359.08	

Survey Program		Date 01/23/14		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
247.0	8,872.0	Archer ST1 Surveys (Wellbore #1)	MWD	MWD - Standard

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
247.0	0.40	113.70	247.0	-0.3	0.8	-0.4	0.16	0.16	0.00	
First Archer ST1 MWD Survey										
366.0	0.30	113.70	366.0	-0.6	1.5	-0.7	0.08	-0.08	0.00	
502.0	0.80	113.70	502.0	-1.2	2.7	-1.2	0.37	0.37	0.00	
961.0	0.90	126.20	960.9	-4.6	8.5	-4.7	0.05	0.02	2.72	
1,419.0	0.50	143.90	1,418.9	-8.3	12.6	-8.5	0.10	-0.09	3.86	
1,881.0	0.20	295.80	1,880.9	-9.6	13.0	-9.8	0.15	-0.06	32.88	
2,260.0	0.40	345.10	2,259.9	-8.0	12.1	-8.2	0.08	0.05	13.01	

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Donna 3304 1A-24H/Job #04598-431-22/Horizon 15
Project:	Sumner County (KS27S)	TVD Reference:	WELL @ 1258.0usft (Original Well Elev)
Site:	Sec 24-T33S-R04W	MD Reference:	WELL @ 1258.0usft (Original Well Elev)
Well:	Donna 3304 1A-24H/Job #04598-431-22/Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
2,302.0	1.10	284.10	2,301.9	-7.8	11.7	-8.0	2.31	1.67	-145.24	
2,334.0	3.00	271.00	2,333.9	-7.7	10.5	-7.9	6.08	5.94	-40.94	
2,366.0	4.40	273.10	2,365.8	-7.6	8.5	-7.8	4.39	4.38	6.56	
2,397.0	4.90	276.10	2,396.7	-7.4	6.0	-7.5	1.79	1.61	9.68	
2,429.0	5.60	279.40	2,428.6	-7.0	3.1	-7.1	2.38	2.19	10.31	
2,460.0	6.80	282.00	2,459.4	-6.4	-0.2	-6.4	3.97	3.87	8.39	
2,492.0	7.10	280.90	2,491.1	-5.6	-4.0	-5.6	1.03	0.94	-3.44	
2,524.0	6.90	280.20	2,522.9	-4.9	-7.8	-4.8	0.68	-0.63	-2.19	
2,555.0	7.00	280.40	2,553.7	-4.2	-11.5	-4.0	0.33	0.32	0.65	
2,587.0	6.50	280.70	2,585.5	-3.5	-15.2	-3.3	1.57	-1.56	0.94	
2,618.0	5.90	281.90	2,616.3	-2.9	-18.5	-2.6	1.98	-1.94	3.87	
2,650.0	5.30	281.10	2,648.1	-2.3	-21.6	-1.9	1.89	-1.88	-2.50	
2,682.0	4.70	283.40	2,680.0	-1.7	-24.3	-1.3	1.98	-1.88	7.19	
2,713.0	4.60	282.40	2,710.9	-1.1	-26.8	-0.7	0.42	-0.32	-3.23	
2,745.0	5.10	275.60	2,742.8	-0.7	-29.4	-0.2	2.38	1.56	-21.25	
2,808.0	4.90	268.80	2,805.5	-0.5	-34.9	0.1	0.99	-0.32	-10.79	
2,840.0	4.10	266.20	2,837.4	-0.6	-37.4	0.0	2.58	-2.50	-8.13	
2,871.0	3.50	261.40	2,868.4	-0.8	-39.4	-0.2	2.19	-1.94	-15.48	
2,903.0	2.60	257.70	2,900.3	-1.1	-41.1	-0.4	2.88	-2.81	-11.56	
2,935.0	1.40	252.80	2,932.3	-1.4	-42.2	-0.7	3.78	-3.75	-15.31	
2,966.0	0.20	201.10	2,963.3	-1.5	-42.6	-0.9	4.15	-3.87	-166.77	
3,029.0	0.80	110.40	3,026.3	-1.8	-42.2	-1.1	1.31	0.95	-143.97	
3,061.0	1.00	129.90	3,058.3	-2.1	-41.8	-1.4	1.13	0.63	60.94	
3,093.0	1.00	148.00	3,090.3	-2.5	-41.4	-1.8	0.98	0.00	56.56	
3,124.0	1.30	148.10	3,121.3	-3.0	-41.1	-2.3	0.97	0.97	0.32	
3,156.0	1.40	147.20	3,153.3	-3.6	-40.7	-3.0	0.32	0.31	-2.81	
3,187.0	1.10	152.70	3,184.3	-4.2	-40.4	-3.6	1.04	-0.97	17.74	
3,220.0	0.50	226.70	3,217.3	-4.6	-40.3	-3.9	3.26	-1.82	224.24	
3,314.0	0.20	268.80	3,311.3	-4.9	-40.8	-4.2	0.40	-0.32	44.79	
3,346.0	0.30	9.60	3,343.3	-4.8	-40.8	-4.1	1.22	0.31	315.00	
3,377.0	0.30	9.70	3,374.3	-4.6	-40.8	-4.0	0.00	0.00	0.32	
3,409.0	1.40	357.30	3,406.3	-4.2	-40.8	-3.5	3.47	3.44	-38.75	
3,440.0	3.70	354.90	3,437.2	-2.8	-40.9	-2.1	7.43	7.42	-7.74	
3,472.0	5.50	359.40	3,469.1	-0.2	-41.0	0.4	5.73	5.63	14.06	
3,503.0	6.90	0.00	3,500.0	3.1	-41.0	3.8	4.52	4.52	1.94	
3,535.0	9.70	357.20	3,531.6	7.7	-41.2	8.4	8.84	8.75	-8.75	
3,566.0	11.90	356.50	3,562.1	13.5	-41.5	14.2	7.11	7.10	-2.26	
3,598.0	14.00	355.20	3,593.2	20.7	-42.0	21.4	6.62	6.56	-4.06	
3,629.0	16.10	353.00	3,623.2	28.7	-42.8	29.4	7.02	6.77	-7.10	
3,661.0	18.00	352.90	3,653.8	38.0	-44.0	38.7	5.94	5.94	-0.31	
3,692.0	19.90	353.70	3,683.1	48.0	-45.2	48.7	6.19	6.13	2.58	
3,724.0	21.70	354.90	3,713.0	59.3	-46.3	60.0	5.78	5.63	3.75	

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Donna 3304 1A-24H/Job #04598-431-22/Horizon 15
Project:	Sumner County (KS27S)	TVD Reference:	WELL @ 1258.0usft (Original Well Elev)
Site:	Sec 24-T33S-R04W	MD Reference:	WELL @ 1258.0usft (Original Well Elev)
Well:	Donna 3304 1A-24H/Job #04598-431-22/Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
3,756.0	23.40	356.60	3,742.6	71.5	-47.2	72.3	5.69	5.31	5.31	
3,787.0	24.90	358.90	3,770.8	84.2	-47.7	85.0	5.71	4.84	7.42	
3,819.0	27.20	0.50	3,799.6	98.3	-47.7	99.0	7.51	7.19	5.00	
3,849.0	30.30	1.10	3,825.9	112.7	-47.5	113.4	10.38	10.33	2.00	
3,881.0	33.20	1.00	3,853.1	129.5	-47.2	130.3	9.06	9.06	-0.31	
3,913.0	35.20	1.70	3,879.6	147.5	-46.8	148.2	6.37	6.25	2.19	
3,945.0	37.90	1.20	3,905.3	166.6	-46.3	167.3	8.49	8.44	-1.56	
3,976.0	41.00	0.50	3,929.2	186.2	-46.0	187.0	10.10	10.00	-2.26	
4,008.0	44.60	359.60	3,952.7	208.0	-46.0	208.7	11.41	11.25	-2.81	
4,040.0	48.40	358.80	3,974.7	231.2	-46.4	231.9	12.01	11.88	-2.50	
4,072.0	51.30	358.10	3,995.3	255.6	-47.0	256.4	9.22	9.06	-2.19	
4,103.0	54.50	357.90	4,014.0	280.3	-47.9	281.1	10.34	10.32	-0.65	
4,135.0	57.60	358.70	4,031.9	306.9	-48.7	307.6	9.91	9.69	2.50	
4,166.0	60.00	359.50	4,048.0	333.4	-49.1	334.1	8.05	7.74	2.58	
4,197.0	62.90	0.60	4,062.8	360.6	-49.1	361.3	9.86	9.35	3.55	
4,229.0	65.80	1.50	4,076.6	389.4	-48.5	390.2	9.41	9.06	2.81	
4,260.0	68.10	2.00	4,088.8	418.0	-47.7	418.7	7.57	7.42	1.61	
4,292.0	70.80	1.90	4,100.0	447.9	-46.6	448.6	8.44	8.44	-0.31	
4,323.0	73.60	1.00	4,109.5	477.4	-45.9	478.1	9.45	9.03	-2.90	
4,355.0	76.20	359.90	4,117.8	508.3	-45.6	509.0	8.78	8.13	-3.44	
4,386.0	79.10	359.00	4,124.4	538.6	-45.9	539.2	9.78	9.35	-2.90	
4,418.0	81.40	359.00	4,129.9	570.1	-46.5	570.8	7.19	7.19	0.00	
4,450.0	83.00	358.90	4,134.2	601.8	-47.1	602.5	5.01	5.00	-0.31	
4,482.0	84.60	358.50	4,137.7	633.6	-47.8	634.3	5.15	5.00	-1.25	
4,514.0	86.40	358.80	4,140.2	665.5	-48.5	666.2	5.70	5.63	0.94	
4,545.0	88.10	358.80	4,141.6	696.5	-49.2	697.2	5.48	5.48	0.00	
4,578.0	88.80	358.70	4,142.5	729.4	-49.9	730.1	2.14	2.12	-0.30	
4,609.0	89.40	358.80	4,143.0	760.4	-50.6	761.1	1.96	1.94	0.32	
4,641.0	89.00	359.30	4,143.5	792.4	-51.1	793.1	2.00	-1.25	1.56	
4,672.0	87.40	359.30	4,144.4	823.4	-51.5	824.1	5.16	-5.16	0.00	
4,704.0	86.80	358.80	4,146.1	855.3	-52.0	856.1	2.44	-1.88	-1.56	
4,735.0	87.20	358.40	4,147.7	886.3	-52.8	887.0	1.82	1.29	-1.29	
4,767.0	88.40	358.30	4,148.9	918.3	-53.7	919.0	3.76	3.75	-0.31	
4,835.0	89.80	358.20	4,150.0	986.2	-55.8	987.0	2.06	2.06	-0.15	
4,924.0	91.90	358.80	4,148.7	1,075.2	-58.1	1,076.0	2.45	2.36	0.67	
5,019.0	92.20	359.20	4,145.3	1,170.1	-59.8	1,170.9	0.53	0.32	0.42	
5,114.0	90.80	358.70	4,142.8	1,265.0	-61.5	1,265.9	1.56	-1.47	-0.53	
5,207.0	88.90	358.10	4,143.0	1,358.0	-64.1	1,358.9	2.14	-2.04	-0.65	
5,301.0	89.20	358.10	4,144.6	1,451.9	-67.2	1,452.8	0.32	0.32	0.00	
5,395.0	88.40	358.70	4,146.6	1,545.9	-69.8	1,546.8	1.06	-0.85	0.64	
5,490.0	87.20	357.20	4,150.2	1,640.7	-73.2	1,641.7	2.02	-1.26	-1.58	
5,585.0	87.90	356.50	4,154.3	1,735.5	-78.5	1,736.5	1.04	0.74	-0.74	
5,680.0	87.80	356.70	4,157.8	1,830.3	-84.1	1,831.4	0.24	-0.11	0.21	

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Donna 3304 1A-24H/Job #04598-431-22/Horizon 15
Project:	Sumner County (KS27S)	TVD Reference:	WELL @ 1258.0usft (Original Well Elev)
Site:	Sec 24-T33S-R04W	MD Reference:	WELL @ 1258.0usft (Original Well Elev)
Well:	Donna 3304 1A-24H/Job #04598-431-22/Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,774.0	90.30	358.00	4,159.4	1,924.2	-88.4	1,925.3	3.00	2.66	1.38	
5,869.0	90.30	357.40	4,158.9	2,019.1	-92.2	2,020.3	0.63	0.00	-0.63	
5,964.0	90.90	357.60	4,157.9	2,114.0	-96.4	2,115.3	0.67	0.63	0.21	
6,058.0	89.90	357.20	4,157.2	2,207.9	-100.6	2,209.2	1.15	-1.06	-0.43	
6,153.0	89.80	356.80	4,157.5	2,302.8	-105.6	2,304.1	0.43	-0.11	-0.42	
6,248.0	90.20	356.60	4,157.5	2,397.6	-111.1	2,399.1	0.47	0.42	-0.21	
6,343.0	89.60	357.00	4,157.6	2,492.4	-116.4	2,494.0	0.76	-0.63	0.42	
6,438.0	90.90	357.50	4,157.2	2,587.3	-121.0	2,588.9	1.47	1.37	0.53	
6,532.0	92.00	358.80	4,154.9	2,681.3	-124.0	2,682.9	1.81	1.17	1.38	
6,626.0	93.50	358.90	4,150.3	2,775.1	-125.9	2,776.8	1.60	1.60	0.11	
6,721.0	93.50	0.30	4,144.5	2,869.9	-126.5	2,871.6	1.47	0.00	1.47	
6,816.0	90.30	359.50	4,141.4	2,964.9	-126.7	2,966.5	3.47	-3.37	-0.84	
6,911.0	88.20	357.80	4,142.6	3,059.8	-128.9	3,061.5	2.84	-2.21	-1.79	
7,005.0	89.80	359.50	4,144.3	3,153.8	-131.1	3,155.5	2.48	1.70	1.81	
7,100.0	91.00	1.20	4,143.6	3,248.8	-130.6	3,250.4	2.19	1.26	1.79	
7,195.0	92.40	3.20	4,140.8	3,343.7	-126.9	3,345.3	2.57	1.47	2.11	
7,290.0	92.90	3.80	4,136.4	3,438.4	-121.1	3,439.9	0.82	0.53	0.63	
7,385.0	92.00	4.00	4,132.3	3,533.1	-114.7	3,534.5	0.97	-0.95	0.21	
7,480.0	89.50	1.90	4,131.1	3,627.9	-109.8	3,629.2	3.44	-2.63	-2.21	
7,575.0	89.40	1.60	4,132.0	3,722.9	-106.9	3,724.1	0.33	-0.11	-0.32	
7,670.0	89.80	0.70	4,132.7	3,817.8	-105.0	3,819.0	1.04	0.42	-0.95	
7,765.0	90.80	1.80	4,132.2	3,912.8	-102.9	3,914.0	1.56	1.05	1.16	
7,859.0	89.80	0.20	4,131.7	4,006.8	-101.3	4,007.9	2.01	-1.06	-1.70	
7,979.0	89.20	1.10	4,132.7	4,126.8	-99.9	4,127.9	0.90	-0.50	0.75	
8,074.0	89.50	0.30	4,133.8	4,221.8	-98.7	4,222.8	0.90	0.32	-0.84	
8,168.0	87.50	0.40	4,136.3	4,315.7	-98.2	4,316.8	2.13	-2.13	0.11	
8,262.0	87.00	357.20	4,140.8	4,409.6	-100.1	4,410.6	3.44	-0.53	-3.40	
8,357.0	87.70	355.80	4,145.2	4,504.3	-105.9	4,505.4	1.65	0.74	-1.47	
8,451.0	90.40	356.60	4,146.7	4,598.1	-112.2	4,599.3	3.00	2.87	0.85	
8,546.0	89.80	356.30	4,146.6	4,692.9	-118.0	4,694.2	0.71	-0.63	-0.32	
8,641.0	91.00	357.10	4,145.9	4,787.7	-123.5	4,789.1	1.52	1.26	0.84	
8,736.0	89.50	357.80	4,145.5	4,882.6	-127.7	4,884.1	1.74	-1.58	0.74	
8,822.0	88.30	357.60	4,147.1	4,968.6	-131.2	4,970.0	1.41	-1.40	-0.23	
Last Archer ST1 MWD Survey										
8,872.0	88.30	357.60	4,148.6	5,018.5	-133.3	5,020.0	0.00	0.00	0.00	
Projection to TD - PBHL Donna 1A-24H										

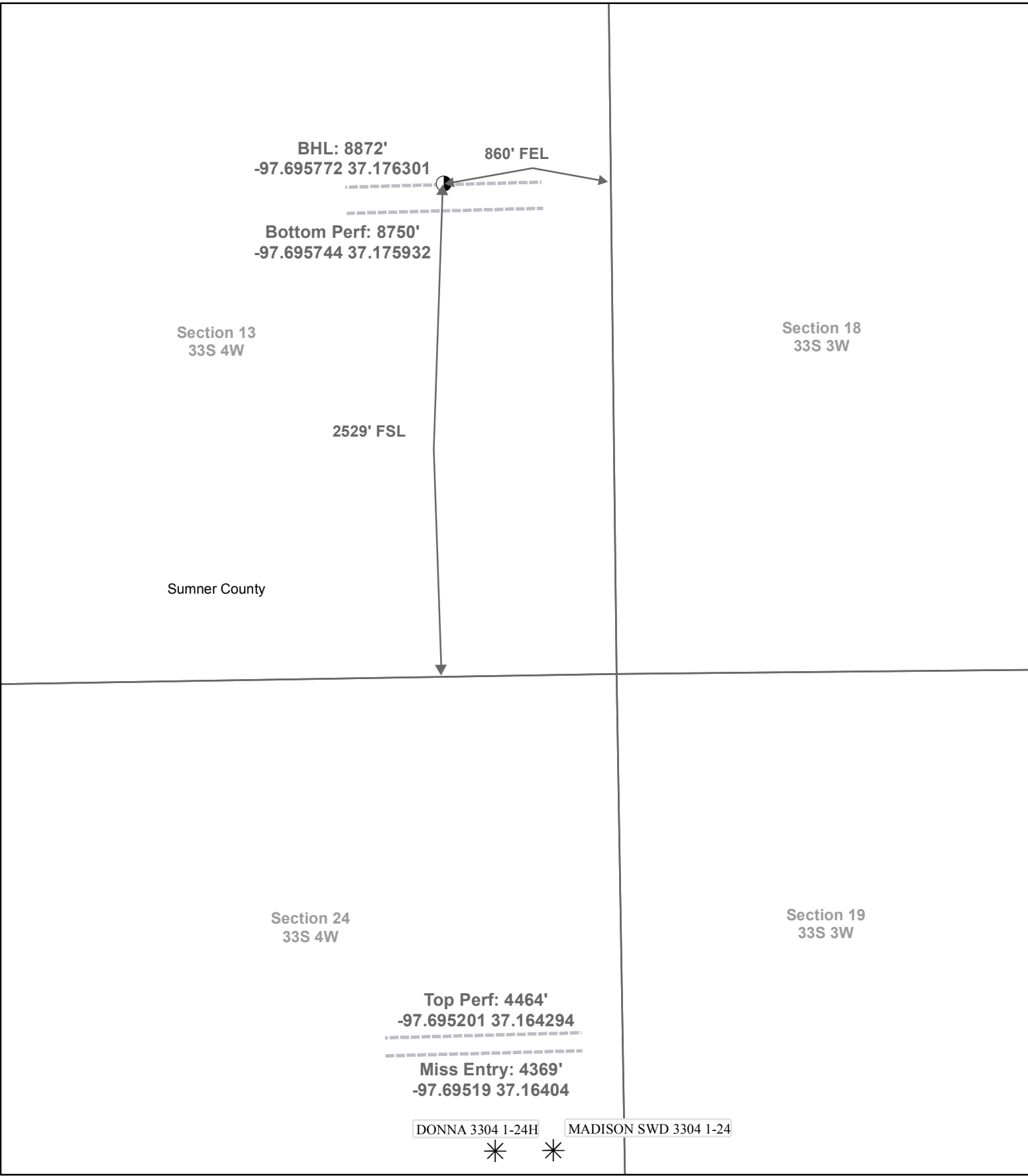


Archer Survey Report

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Donna 3304 1A-24H/Job #04598-431-22/Horizon 15
Project:	Sumner County (KS27S)	TVD Reference:	WELL @ 1258.0usft (Original Well Elev)
Site:	Sec 24-T33S-R04W	MD Reference:	WELL @ 1258.0usft (Original Well Elev)
Well:	Donna 3304 1A-24H/Job #04598-431-22/Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
247.0	247.0	-0.3	0.8	First Archer ST1 MWD Survey
8,822.0	4,147.1	4,968.6	-131.2	Last Archer ST1 MWD Survey
8,872.0	4,148.6	5,018.5	-133.3	Projection to TD

Checked By: _____	Approved By: _____	Date: _____
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SANDRIDGE
THE POWER OF US™

Actual Bottom-Hole Location of Donna 3304 1A-24H
 Summer County, Kansas
 T&R: 33S 4W
 Section: 13, 860' FEL & 2529' FSL
 -97.695772 37.176301

1 in = 653 ft

0 500 1,000 2,000 Feet

● Actual BH Location
 * SandRidge Wells
 --- Perf
 □ Sections

Draftsman: Aaron Birk	Draft Date: 4/16/2014
Drawing Name/Number: Addendum_Donna 3304 1A-24H.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	