



Confidentiality Requested:

Yes No

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: _____

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</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	Foster 3508 1-2H
Doc ID	1205933

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9216-9532	1500 gals 15% HCL Acid, 5593 bbls Fresh Slickwater, Running TLTR 5942 bbls	
5	8890-9145	1500 gals 15% HCL Acid, 5377 bbls Fresh Slickwater, Running TLTR 11477 bbls	
5	8440-8802	1500 gals 15% HCL Acid, 5397 bbls Fresh Slickwater, Running TLTR 17008 bbls	
5	8016-8327	1500 gals 15% HCL Acid, 5147 bbls Fresh Slickwater, Running TLTR 22275 bbls	
5	7639-7915	1500 gals 15% HCL Acid, 5416 bbls Fresh Slickwater, Running TLTR 27791 bbls	
5	7232-7563	1500 gals 15% HCL Acid, 5520 bbls Fresh Slickwater, Running TLTR 33401 bbls	
5	6896-7152	1500 gals 15% HCL Acid, 5495 bbls Fresh Slickwater, Running TLTR 38968 bbls	
5	6474-6803	1500 gals 15% HCL Acid, 5242 bbls Fresh Slickwater, Running TLTR 44273 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Foster 3508 1-2H
Doc ID	1205933

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	6079-6380	1500 gals 15% HCL Acid, 5243 bbls Fresh Slickwater, Running TLTR 49561 bbls	
5	5658-5956	1500 gals 15% HCL Acid, 5416 bbls Fresh Slickwater, Running TLTR 55008 bbls	

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/1/2014
Job End Date:	5/2/2014
State:	Kansas
County:	Harper
API Number:	15-077-21999-00-00
Operator Name:	SandRidge Energy
Well Name and Number:	Foster 3508 #1-2H
Longitude:	-98.14970000
Latitude:	37.03695000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,798
Total Base Water Volume (gal):	2,402,862
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	Well Operator	Carrier/Base Fluid	Water	7732-18-5	100.00000	95.49571	None
40/70 Premium Preferred Sand	Cimarron Acid	Proppant, Scouring, Fill	Crystalline Silica (quartz)	14808-60-7	100.00000	3.12568	None
15% Uninhibited HCl Acid	Cimarron Acid	Etching, Dissolving, Cleaning	Water	7732-18-5	85.00000	0.65366	None
			Hydrochloric Acid	7647-01-0	15.00000	0.11535	None
			Water	7732-18-5	24.00000	0.00015	None
			Methanol	67-56-1	9.00000	0.00006	None
			Ethoxylated Nonylphenol	68412-54-4	8.40000	0.00005	None
			Tar Bases-quinoline derivs-benzyl chloride/quaternized	72480-70-7	8.40000	0.00005	None
			2-Butoxyethanol	111-76-2	8.40000	0.00005	None
			N-Dimethylformamide	68-12-2	8.40000	0.00005	None
			Ethylene Glycol	107-21-1	8.40000	0.00005	None
			Triethyl Phosphate	78-40-0	8.40000	0.00005	None
			Isopropyl Alcohol	67-63-0	8.40000	0.00005	None
			Cinnamaldehyde	104-55-2	8.40000	0.00005	None

40/70 Resin Coated Sand	Cimarron Acid	Proppant, Scouring, Fill					
			Crystalline Silica (quartz)	14808-60-7	97.00000	0.46260	None
Iron Control, Sodium Erythorbate	Cimarron Acid	Iron Control					
			Water	7732-18-5	55.50000	0.02489	None
			Methanol	67-56-1	12.70000	0.00571	None
			Poly(ethylene Oxide)	25322-68-3	9.10000	0.00408	None
			Dinanylphenyl Polyoxyethylene	201602-88-2	9.10000	0.00408	None
			Nonylphenal Polyethylene Glycol Ether	127087-87-0	9.10000	0.00408	None
			Isopropanol	67-63-0	4.60000	0.00204	None
			Sodium Erythorbate	6381-77-7	100.00000	0.00025	None
			Water	7732-18-5	54.50000	0.00018	None
			Polyglycol Ethers	52624-57-4	13.60000	0.00005	None
			Isopropanol	67-63-0	13.60000	0.00005	None
			Glycol Ether EB	111-76-2	9.00000	0.00003	None
			Methanol	67-56-1	9.00000	0.00003	None
FR-986, Cationic Friction Reducer	Cimarron Acid	Friction Reducer					
			Water	7732-18-5	50.00000	0.00501	None
			Petroleum Hydrotreated Light Distillate	64742-47-8	2.50000	0.00191	None
			Phosphoric Acid	7664-38-2	16.80000	0.00169	None
			Hydrochloric Acid	7647-01-0	16.80000	0.00169	None
			Ethylene Glycol	107-21-1	12.70000	0.00128	None
			Methanol	67-56-1	3.60000	0.00037	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.

* 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)

Section 35
34S 8W

STARKS 3408 4-35H

STARKS 3408 2-35H

FOSTER 3508 1-2H FOSTER 3508 2-2H

BLUE SWD 3408 1-35

STARKS 3408 3-35H

Section 36
34S 8W

Top Perf: 5088'
-98.14843 37.03523

Miss Entry: 5658'
-98.148424 37.033617

Harper County

Section 2
35S 8W

Section 1
35S 8W

Bottom Perf: 9532'
-98.148188 37.023259

BHL: 9650'
-98.14818 37.02283

410' FSL

533' FEL

Section 11
35S 8W

LIT TRUST 3508 2-14H

WRIGLEY 2-11 SWD

WRIGLEY 1-11 SWD

Section 12
35S 8W



Actual Bottom-Hole Location of Foster 3508 1-2H
T&R: 35S 8W
Section: 2, 533' FEL & 410' FSL
-98.14818 37.02283

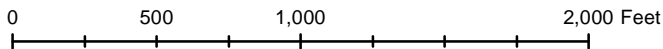
1

< Actual BH Location

| SandRidge Wells

1 in = 667 ft

--- Perf



□ Sections

Draftsman:

Aaron Birk

Draft Date: 5/30/2014

Drawing Name/Number:

Addendum_Foster 3508 1-2H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Summary of Changes

Lease Name and Number: Foster 3508 1-2H

API/Permit #: 15-077-21999-01-00

Doc ID: 1205933

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	05/07/2014	06/04/2014
Completion Or Recompletion Date	5/7/2014	5/8/2014
Perf_Depth_1		Attached
Perf_Material_1		Attached
Perf_Record_1		Attached
Perf_Shots_1		Attached
Save Link	../../../../kcc/detail/operatorE ditDetail.cfm?docID=12 02265	../../../../kcc/detail/operatorE ditDetail.cfm?docID=12 05933

Summary of Attachments

Lease Name and Number: Foster 3508 1-2H

API: 15-077-21999-01-00

Doc ID: 1205933

Correction Number: 1

Attachment Name

Frac Disclosure

As Drilled Plat



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1202265
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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

CONFIDENTIAL 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: _____

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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RVICES, LLC
 P O BOX 4268
 ABILENE, TX 79608-4268
 Phone # (325)690-0053
 Fax # (325)698-0055

TICKET

TICKET NUMBER: WY-209-1
 TICKET DATE: 01/07/2014

ELECTRONIC

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

YARD: WY WAYNOKA OK
 LEASE: Foster 3508
 WELL#: 1-2H
 RIG #: Horizon 15
 Co/St: HARPER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
1/7/2014 DRILLED 30" CONDUCTOR HOLE			
1/7/2014 20" CONDUCTOR PIPE (.250 WALL)			
1/7/2014 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
1/7/2014 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
1/7/2014 DRILLED 20" MOUSE HOLE (PER FOOT)			
1/7/2014 16" CONDUCTOR PIPE (.250 WALL)			
1/7/2014 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
1/7/2014 WELDING SERVICES FOR PIPE & LIDS			
1/7/2014 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
1/7/2014 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
1/7/2014 9 YDS OF 10 SACK GROUT			
1/7/2014 8 X 8 HOLE COVER			
1/7/2014 TAXABLE ITEMS			5,965.00
1/7/2014 BID - TAXABLE ITEMS			12,585.00
		Sub Total:	18,550.00
		Tax HARPER COUNTY (6.15 %):	366.85
		TICKET TOTAL:	\$ 18,916.85

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

Approved Signature _____

AFE Number: DC 13478
 Well Name: Foster 3508 1-2H
 Code: 850.010
 Amount: \$ 18,916.85
 Co. Man: Lawrence Noel
 Co. Man Sig.: [Signature]
 Notes: _____



Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Original

Service Contract Number
C1YQ-00509

Invoice Mailing Address: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)		Left District	Date: 26-Jan-2014	Time: 2:00 AM
123 ROBERT S. KERR AVENUE		Arrive Location	Date: 26-Jan-2014	Time: 4:00 AM
OKLAHOMA CITY OK		Start Job	Date: 26-Jan-2014	Time: 1:00 PM
73102-6406 United States		Complete Job	Date: 26-Jan-2014	Time: 2:30 PM
Customer PO		Leave Location	Date: 26-Jan-2014	Time: 3:30 PM
Contract		Arrived District	Date: 26-Jan-2014	Time: 7:30 PM
AFE		Service Description Cementing Primary, Primary Surface		
Cust Ref		Well Name & Number	Field	
Customer or Authorized Representative Cody Davis		FOSTER 3508 1-2H		
API / UWI 15077219990100		County / Parish / Block / Borough	State / Province	
Pricebook B0JS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_		HARPER	KANSAS	
Service Instructions:		Schlumberger Location	Legal Location	
Provide services, equipment, materials, and personnel to safely cement 9 5/8" surface casing per customer approval. Pump 10 bbl water, 230 sks 35:65 Poz:C @ 12.40 ppg, 160 sks Class C @ 14.80 ppg, drop top plug and displace per client specifications. RIG RTP AT 0530 ABT WITH TELL CEMENT ARRIVED AT 1230 7 HOURS NPT		EI Reno, OK		
		Rig		

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

Item	Description	Quantity	UOM	Price	Discount	Amount
Products						
56704095	Plug, Top Rubber Alum Core 9.625 in	1	EA	665.00	47.00%	352.45
D020	Bentonite Extender	1200	LB	0.50	47.00%	318.00
D035-CF	LITEPOZ 3 Extender	81	CF	9.20	47.00%	394.96
D130	Polyester Flake	49	LB	4.40	47.00%	114.27
D903	Cement, Class C	310	CF	22.95	47.00%	3,770.68
S001	Calcium Chloride 77pct concentration	499	LB	1.44	47.00%	380.84
					Products Subtotal:	10,058.86
					Discount:	4,727.66
					Products Total:	5,331.20
Services						
48019000	Bulk Unit, Per Hr on location	8	HR	115.00	47.00%	487.60
48601000	Cement Plug Container	1	JOB	556.40	47.00%	294.89
49100000	Cement Blending Charge	418	CF	2.43	47.00%	538.34
49102000	Transportation, Cement Ton-mile	918	MI	2.16	47.00%	1,050.93
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
102871020	Pump, Casing Cement 0-2000 ft	1	EA	2,396.80	47.00%	1,270.30
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:	12,694.03
					Discount:	4,487.67
					Services Total:	8,206.36

Total (Before Discount):	22,752.89		
Discount:	9,215.33		
Special Discount:	0.00	Estimated Total (USD):	13,537.56

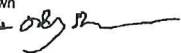



Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Service Contract Number
C1YQ-00509

Invoice Mailing Address: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI) 123 ROBERT S. KERR AVENUE OKLAHOMA CITY OK 73102-6406 United States		Left District Date: 26-Jan-2014 Time: 2:00 AM	Arrive Location Date: 26-Jan-2014 Time: 4:00 AM
		Start Job Date: 26-Jan-2014 Time: 1:00 PM	Complete Job Date: 26-Jan-2014 Time: 2:30 PM
		Leave Location Date: 26-Jan-2014 Time: 3:30 PM	Arrived District Date: 26-Jan-2014 Time: 7:30 PM
		Service Description Cementing Primary, Primary Surface	
Customer PO AFE	Contract Cust Ref	Well Name & Number FOSTER 3508 1-2H	Field KANSAS
Customer or Authorized Representative Cody Davis		Schlumberger Location El Reno, OK	Legal Location KANSAS
API / UWI 15077219990100	Pricebook B0JS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_	Rig	
Service Instructions: Provide services, equipment, materials, and personnel to safely cement 9 5/8" surface casing per customer approval. Pump 10 bbl water, 230 sks 35:65 Poz:C @ 12.40 ppg, 160 sks Class C @ 14.80 ppg, drop top plug and displace per client specifications. RIG RTP AT 0530 ABT WITH TELL CEMENT ARRIVED AT 1230 7 HOURS NPT			

Estimated Total (USD): 13,537.56

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: Validity unknown Signed by Cody Davis 1/26/2014 15:16:41  _____ Cody Davis Date	Signature of Schlumberger Representative: Validity unknown Signed by Nathan Smith 1/26/2014 15:10:21  _____ Nathan Smith Date



Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Service Contract Number CNTV-00142
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Invoice Mailing Address: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)		Left District	Date: 03-Feb-2014	Time: 9:00 AM
123 ROBERT S. KERR AVENUE		Arrive Location	Date: 03-Feb-2014	Time: 12:00 PM
OKLAHOMA CITY OK		Start Job	Date: 03-Feb-2014	Time: 3:30 PM
73102-6406 United States		Complete Job	Date: 03-Feb-2014	Time: 5:00 PM
Customer PO	Contract	Leave Location	Date: 03-Feb-2014	Time: 6:00 PM
AFE	Cust Ref	Arrived District	Date: 03-Feb-2014	Time: 9:00 PM
Customer or Authorized Representative Tim Mills		Service Description Cementing Primary, Primary Intermediate		
API / UWI	Pricebook	Well Name & Number	Field	
15077219990100	B0JS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_	FOSTER -3508- 1-2 H	JENNIFER E	
		County / Parish / Block / Borough	State / Province	
		Harper	KS	
		Schlumberger Location	Legal Location	
		El Reno, OK		
		Rig	Horizon 15	

Service Instructions:
 Provide services, equipment, materials and personnel to safely cement 7" intermediate casing per client request. Pump 30 bbl B306 spacer ,220 sks 50:50 poz:h @ 13.60 ppg, 100 sks Class H @ 15.60 ppg, drop top plug and displace per customer specifications.

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

Item	Description	Quantity	UOM	Price	Discount	Amount
Products						
B306	PSG Polymer Slurry B306	6	GA	105.00	47.00%	333.90
D013	Retarder	53	LB	2.79	47.00%	78.37
D020	Bentonite Extender	739	LB	0.50	47.00%	195.83
D035-CF	LITEPOZ 3 Extender	108	CF	9.20	47.00%	526.61
D042	KOLITE Lost Circulation Additive	440	LB	0.99	47.00%	230.87
D065	TIC Dispersant	19	LB	7.86	47.00%	79.15
D079	Chemical Extender	37	LB	3.05	47.00%	59.81
D112	FLAC Fluid Loss Additive	111	LB	15.20	47.00%	894.22
D909	Cement, Class H	210	CF	24.13	47.00%	2,685.67
Products Subtotal:					9,593.26	
Discount:					4,508.83	
Products Total:					5,084.43	
Services						
48019000	Bulk Unit, Per Hr on location	4	HR	115.00	47.00%	243.80
48020000	Pump, Cement Add Hr	1	HR	609.90	35.00%	396.43
48601000	Cement Plug Container	1	JOB	556.40	47.00%	294.89
49100000	Cement Blending Charge	340	CF	2.43	47.00%	437.89
49102000	Transportation, Cement Ton-mile	730	MI	2.16	47.00%	835.70
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
102871055	Pump, Casing Cement 5001-5500 ft	1	EA	3,531.00	47.00%	1,871.43
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
58498000	Plug, Top Rubber Alum Core 7 in	1	JOB	400.00	47.00%	212.00
Services Subtotal:					13,782.51	
Discount:					4,926.07	
Services Total:					8,856.44	

Total (Before Discount):	23,375.77		
Discount:	9,434.90		
Special Discount:	0.00		
		Estimated Total (USD):	13,940.87



Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Service Contract Number CNTV-00142
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Invoice Mailing Address: SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)		Left District	Date: 03-Feb-2014	Time: 9:00 AM
123 ROBERT S. KERR AVENUE		Arrive Location	Date: 03-Feb-2014	Time: 12:00 PM
OKLAHOMA CITY OK		Start Job	Date: 03-Feb-2014	Time: 3:30 PM
73102-6406 United States		Complete Job	Date: 03-Feb-2014	Time: 5:00 PM
Customer PO	Contract	Leave Location	Date: 03-Feb-2014	Time: 6:00 PM
AFE		Arrived District	Date: 03-Feb-2014	Time: 9:00 PM
Customer or Authorized Representative Tim Mills		Service Description Cementing Primary, Primary Intermediate		
API / UWI 15077219990100	Pricebook B0JS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_	Well Name & Number FOSTER -3508- 1-2 H	Field JENNIFER E	
		County / Parish / Block / Borough Harper	State / Province KS	
		Schlumberger Location El Reno, OK	Legal Location	
			Rig Horizon 15	

Service Instructions:
 Provide services, equipment, materials and personnel to safely cement 7" intermediate casing per client request. Pump 30 bbl B306 spacer ,220 sks 50:50 poz:h @ 13.60 ppg, 100 sks Class H @ 15.60 ppg, drop top plug and displace per customer specifications.

Estimated Total (USD): 13,940.87

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:	
_____	_____	_____	_____
Tim Mills	Date	Nathan Smith	Date



Sandridge Energy, INC.(mid-con.)

Harper Co. (KS27S)

Sec. 35-T34S-T08W

Foster 3508 1-2H/Job #04641-431-22/Horizon 15

Wellbore #1

Design: Wellbore #1

Standard Survey Report

19 February, 2014

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Foster 3508 1-2H/Job #04641-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1306.0usft (Original Well Elev)
Site:	Sec. 35-T34S-T08W	MD Reference:	WELL @ 1306.0usft (Original Well Elev)
Well:	Foster 3508 1-2H/Job #04641-431-22/Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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

Site Sec. 35-T34S-T08W		
Site Position:	Northing: 135,021.00 usft	Latitude: 37° 2' 13.028 N
From: Map	Easting: 2,102,293.00 usft	Longitude: 98° 8' 58.478 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.22 °

Well Foster 3508 1-2H/Job #04641-431-22/Horizon 15			
Well Position	+N-S 0.0 usft	Northing: 135,021.00 usft	Latitude: 37° 2' 13.028 N
	+E-W 0.0 usft	Easting: 2,102,293.00 usft	Longitude: 98° 8' 58.478 W
Position Uncertainty	0.0 usft	Wellhead Elevation: usft	Ground Level: 1,288.0 usft

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2014/01/21	4.46	65.11	51,630

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	175.64	

Survey Program		Date 2014/02/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	9,650.0	Archer MWD 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	
100.0	0.11	190.47	100.0	-0.1	0.0	0.1	0.11	0.11	0.00	
First GYRO Survey										
200.0	0.05	148.06	200.0	-0.2	0.0	0.2	0.08	-0.06	-42.41	
300.0	0.03	4.99	300.0	-0.2	0.0	0.2	0.08	-0.02	-143.07	
400.0	0.03	277.80	400.0	-0.2	0.0	0.2	0.04	0.00	-87.19	
500.0	0.09	207.86	500.0	-0.3	-0.1	0.3	0.08	0.06	-69.94	
600.0	0.11	210.60	600.0	-0.4	-0.2	0.4	0.02	0.02	2.74	
700.0	0.19	194.00	700.0	-0.7	-0.2	0.6	0.09	0.08	-16.60	

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Foster 3508 1-2H/Job #04641-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1306.0usft (Original Well Elev)
Site:	Sec. 35-T34S-T08W	MD Reference:	WELL @ 1306.0usft (Original Well Elev)
Well:	Foster 3508 1-2H/Job #04641-431-22/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)	
800.0	0.17	184.00	800.0	-1.0	-0.3	1.0	0.04	-0.02	-10.00	
900.0	0.27	184.97	900.0	-1.4	-0.3	1.3	0.10	0.10	0.97	
1,000.0	0.45	193.41	1,000.0	-2.0	-0.4	1.9	0.19	0.18	8.44	
1,085.0	0.38	223.65	1,085.0	-2.5	-0.7	2.4	0.27	-0.08	35.58	
Last GYRO Survey										
1,143.0	0.40	205.30	1,143.0	-2.8	-0.9	2.7	0.22	0.03	-31.64	
First Archer MWD Survey										
1,235.0	0.80	151.60	1,235.0	-3.7	-0.8	3.6	0.71	0.43	-58.37	
1,326.0	2.80	126.40	1,325.9	-5.6	1.3	5.6	2.31	2.20	-27.69	
1,418.0	4.30	121.10	1,417.8	-8.7	6.1	9.1	1.67	1.63	-5.76	
1,514.0	5.80	109.90	1,513.4	-12.2	13.7	13.2	1.86	1.56	-11.67	
1,609.0	6.80	106.70	1,607.8	-15.4	23.6	17.2	1.12	1.05	-3.37	
1,703.0	6.30	107.20	1,701.2	-18.6	33.9	21.1	0.54	-0.53	0.53	
1,798.0	6.20	109.40	1,795.6	-21.8	43.7	25.1	0.27	-0.11	2.32	
1,893.0	5.70	112.20	1,890.1	-25.3	52.9	29.2	0.61	-0.53	2.95	
1,987.0	6.20	111.40	1,983.6	-28.9	62.0	33.5	0.54	0.53	-0.85	
2,082.0	6.30	107.20	2,078.1	-32.3	71.7	37.7	0.49	0.11	-4.42	
2,176.0	5.90	104.40	2,171.5	-35.0	81.3	41.1	0.53	-0.43	-2.98	
2,271.0	5.80	103.70	2,266.0	-37.4	90.7	44.2	0.13	-0.11	-0.74	
2,366.0	7.30	103.70	2,360.4	-40.0	101.2	47.5	1.58	1.58	0.00	
2,461.0	6.60	99.60	2,454.7	-42.3	112.5	50.7	0.90	-0.74	-4.32	
2,589.0	6.50	110.80	2,581.9	-46.1	126.5	55.6	1.00	-0.08	8.75	
2,683.0	6.50	108.80	2,675.3	-49.7	136.5	59.9	0.24	0.00	-2.13	
2,778.0	6.20	107.40	2,769.7	-53.0	146.5	64.0	0.36	-0.32	-1.47	
2,872.0	5.70	108.70	2,863.2	-56.0	155.8	67.7	0.55	-0.53	1.38	
2,967.0	5.90	104.00	2,957.7	-58.7	165.0	71.0	0.54	0.21	-4.95	
3,062.0	6.10	105.90	3,052.2	-61.2	174.6	74.3	0.30	0.21	2.00	
3,156.0	5.60	104.10	3,145.7	-63.7	183.8	77.5	0.57	-0.53	-1.91	
3,251.0	6.30	107.30	3,240.2	-66.4	193.3	80.9	0.82	0.74	3.37	
3,346.0	6.20	110.70	3,334.6	-69.8	203.1	85.0	0.40	-0.11	3.58	
3,441.0	5.80	105.20	3,429.1	-72.8	212.5	88.8	0.74	-0.42	-5.79	
3,537.0	5.30	96.50	3,524.6	-74.6	221.6	91.2	1.02	-0.52	-9.06	
3,632.0	7.10	99.10	3,619.1	-76.0	231.8	93.4	1.92	1.89	2.74	
3,726.0	6.90	110.60	3,712.4	-79.0	242.8	97.2	1.50	-0.21	12.23	
3,821.0	6.00	112.10	3,806.8	-82.8	252.7	101.8	0.96	-0.95	1.58	
3,916.0	6.60	118.50	3,901.2	-87.3	262.1	107.0	0.97	0.63	6.74	
4,010.0	5.80	118.40	3,994.7	-92.1	271.0	112.5	0.85	-0.85	-0.11	
4,041.0	5.50	119.30	4,025.5	-93.6	273.7	114.1	1.01	-0.97	2.90	
4,073.0	6.50	121.30	4,057.3	-95.3	276.6	116.0	3.19	3.13	6.25	
4,105.0	7.90	121.90	4,089.1	-97.4	280.0	118.4	4.38	4.38	1.88	
4,136.0	9.20	123.20	4,119.7	-99.9	283.9	121.2	4.24	4.19	4.19	
4,168.0	11.00	123.30	4,151.2	-103.0	288.6	124.6	5.63	5.63	0.31	

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Foster 3508 1-2H/Job #04641-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1306.0usft (Original Well Elev)
Site:	Sec. 35-T34S-T08W	MD Reference:	WELL @ 1306.0usft (Original Well Elev)
Well:	Foster 3508 1-2H/Job #04641-431-22/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)	
4,200.0	12.90	124.20	4,182.5	-106.7	294.1	128.7	5.97	5.94	2.81	
4,231.0	15.30	127.10	4,212.6	-111.1	300.2	133.5	8.07	7.74	9.35	
4,263.0	17.30	129.30	4,243.3	-116.6	307.3	139.6	6.54	6.25	6.88	
4,294.0	19.60	131.20	4,272.7	-123.0	314.8	146.5	7.67	7.42	6.13	
4,326.0	20.80	133.40	4,302.8	-130.4	322.9	154.6	4.44	3.75	6.88	
4,357.0	21.90	134.50	4,331.6	-138.2	331.0	163.0	3.78	3.55	3.55	
4,388.0	24.00	135.00	4,360.2	-146.8	339.6	172.1	6.80	6.77	1.61	
4,420.0	25.10	135.50	4,389.3	-156.2	349.0	182.3	3.50	3.44	1.56	
4,451.0	26.40	137.40	4,417.2	-166.0	358.3	192.7	4.97	4.19	6.13	
4,483.0	28.80	140.00	4,445.6	-177.1	368.0	204.6	8.39	7.50	8.13	
4,514.0	32.20	144.00	4,472.3	-189.5	377.7	217.7	12.77	10.97	12.90	
4,546.0	35.40	148.80	4,498.9	-204.3	387.5	233.2	13.02	10.00	15.00	
4,577.0	37.30	154.70	4,523.8	-220.5	396.2	250.0	12.83	6.13	19.03	
4,609.0	40.00	160.00	4,548.8	-239.0	403.8	268.9	13.34	8.44	16.56	
4,640.0	43.10	165.00	4,572.0	-258.6	410.0	289.0	14.64	10.00	16.13	
4,672.0	47.00	168.50	4,594.6	-280.6	415.2	311.3	14.43	12.19	10.94	
4,703.0	50.70	172.60	4,615.0	-303.6	419.0	334.6	15.54	11.94	13.23	
4,735.0	53.70	176.00	4,634.7	-328.8	421.5	359.8	12.58	9.38	10.63	
4,766.0	56.70	179.00	4,652.3	-354.2	422.6	385.3	12.52	9.68	9.68	
4,798.0	59.80	180.60	4,669.2	-381.4	422.6	412.4	10.58	9.69	5.00	
4,829.0	64.60	181.30	4,683.6	-408.8	422.2	439.7	15.61	15.48	2.26	
4,861.0	69.20	180.60	4,696.2	-438.2	421.7	469.0	14.52	14.38	-2.19	
4,893.0	71.20	180.30	4,707.0	-468.3	421.5	499.0	6.31	6.25	-0.94	
4,924.0	73.40	180.80	4,716.5	-497.9	421.2	528.4	7.26	7.10	1.61	
4,956.0	74.90	181.50	4,725.2	-528.6	420.6	559.1	5.14	4.69	2.19	
4,987.0	76.50	181.80	4,732.9	-558.7	419.7	588.9	5.25	5.16	0.97	
5,019.0	76.70	182.80	4,740.3	-589.8	418.5	619.9	3.10	0.63	3.13	
5,050.0	76.90	182.90	4,747.3	-619.9	416.9	649.8	0.72	0.65	0.32	
5,082.0	77.10	182.80	4,754.5	-651.1	415.4	680.7	0.70	0.63	-0.31	
5,114.0	77.20	182.50	4,761.7	-682.2	414.0	711.7	0.97	0.31	-0.94	
5,145.0	79.60	182.20	4,767.9	-712.6	412.7	741.9	7.80	7.74	-0.97	
5,177.0	82.20	182.30	4,773.0	-744.1	411.5	773.2	8.13	8.13	0.31	
5,208.0	83.10	182.10	4,776.9	-774.9	410.3	803.8	2.97	2.90	-0.65	
5,239.0	84.40	181.90	4,780.3	-805.7	409.2	834.4	4.24	4.19	-0.65	
5,271.0	85.30	181.30	4,783.2	-837.5	408.3	866.1	3.38	2.81	-1.88	
5,302.0	87.20	181.00	4,785.2	-868.4	407.7	896.9	6.20	6.13	-0.97	
5,335.0	87.60	180.50	4,786.7	-901.4	407.3	929.7	1.94	1.21	-1.52	
5,366.0	87.80	180.40	4,787.9	-932.4	407.0	960.6	0.72	0.65	-0.32	
5,398.0	88.30	180.40	4,789.0	-964.4	406.8	992.5	1.56	1.56	0.00	
5,429.0	89.10	179.90	4,789.7	-995.3	406.7	1,023.4	3.04	2.58	-1.61	
5,461.0	89.30	179.90	4,790.2	-1,027.3	406.8	1,055.3	0.63	0.63	0.00	
5,492.0	88.60	180.60	4,790.7	-1,058.3	406.6	1,086.2	3.19	-2.26	2.26	

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Foster 3508 1-2H/Job #04641-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1306.0usft (Original Well Elev)
Site:	Sec. 35-T34S-T08W	MD Reference:	WELL @ 1306.0usft (Original Well Elev)
Well:	Foster 3508 1-2H/Job #04641-431-22/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)	
5,524.0	87.30	181.20	4,791.9	-1,090.3	406.1	1,118.0	4.47	-4.06	1.88	
5,556.0	87.30	181.10	4,793.4	-1,122.3	405.5	1,149.8	0.31	0.00	-0.31	
5,587.0	87.60	181.00	4,794.8	-1,153.2	404.9	1,180.7	1.02	0.97	-0.32	
5,678.0	89.20	180.50	4,797.3	-1,244.2	403.7	1,271.3	1.84	1.76	-0.55	
5,773.0	90.20	180.20	4,797.8	-1,339.2	403.2	1,365.9	1.10	1.05	-0.32	
5,868.0	91.70	179.90	4,796.2	-1,434.2	403.1	1,460.6	1.61	1.58	-0.32	
5,962.0	92.00	179.10	4,793.2	-1,528.1	403.9	1,554.4	0.91	0.32	-0.85	
6,057.0	91.30	178.90	4,790.5	-1,623.1	405.6	1,649.2	0.77	-0.74	-0.21	
6,153.0	89.70	179.30	4,789.6	-1,719.0	407.1	1,745.0	1.72	-1.67	0.42	
6,247.0	88.90	179.90	4,790.8	-1,813.0	407.7	1,838.8	1.06	-0.85	0.64	
6,342.0	88.10	179.60	4,793.3	-1,908.0	408.1	1,933.5	0.90	-0.84	-0.32	
6,437.0	87.90	180.60	4,796.6	-2,002.9	408.0	2,028.1	1.07	-0.21	1.05	
6,532.0	88.60	181.30	4,799.5	-2,097.9	406.4	2,122.7	1.04	0.74	0.74	
6,627.0	89.40	181.30	4,801.1	-2,192.8	404.2	2,217.2	0.84	0.84	0.00	
6,722.0	90.20	182.10	4,801.5	-2,287.8	401.4	2,311.7	1.19	0.84	0.84	
6,816.0	90.50	182.10	4,800.9	-2,381.7	398.0	2,405.1	0.32	0.32	0.00	
6,910.0	90.80	182.10	4,799.8	-2,475.7	394.5	2,498.5	0.32	0.32	0.00	
7,006.0	91.60	183.40	4,797.8	-2,571.5	389.9	2,593.7	1.59	0.83	1.35	
7,100.0	92.30	182.70	4,794.6	-2,665.3	384.9	2,686.9	1.05	0.74	-0.74	
7,195.0	92.50	182.00	4,790.6	-2,760.2	381.0	2,781.1	0.77	0.21	-0.74	
7,291.0	90.70	180.60	4,788.0	-2,856.1	378.9	2,876.6	2.37	-1.88	-1.46	
7,410.0	90.70	180.10	4,786.5	-2,975.1	378.1	2,995.2	0.42	0.00	-0.42	
7,505.0	90.90	179.20	4,785.2	-3,070.1	378.7	3,090.0	0.97	0.21	-0.95	
7,601.0	88.90	178.10	4,785.3	-3,166.0	381.0	3,185.8	2.38	-2.08	-1.15	
7,695.0	88.90	178.20	4,787.2	-3,260.0	384.0	3,279.7	0.11	0.00	0.11	
7,789.0	89.80	175.60	4,788.2	-3,353.8	389.1	3,373.7	2.93	0.96	-2.77	
7,884.0	89.70	174.70	4,788.6	-3,448.5	397.1	3,468.7	0.95	-0.11	-0.95	
7,978.0	89.20	174.70	4,789.5	-3,542.1	405.8	3,562.7	0.53	-0.53	0.00	
8,072.0	86.80	176.10	4,792.8	-3,635.7	413.3	3,656.6	2.96	-2.55	1.49	
8,166.0	83.60	177.30	4,800.7	-3,729.2	418.7	3,750.2	3.63	-3.40	1.28	
8,261.0	83.30	180.60	4,811.5	-3,823.6	420.5	3,844.5	3.47	-0.32	3.47	
8,355.0	84.80	183.50	4,821.3	-3,917.0	417.1	3,937.4	3.46	1.60	3.09	
8,451.0	89.70	184.00	4,825.9	-4,012.6	410.8	4,032.3	5.13	5.10	0.52	
8,546.0	92.70	182.20	4,823.9	-4,107.5	405.7	4,126.4	3.68	3.16	-1.89	
8,640.0	92.70	181.30	4,819.5	-4,201.3	402.8	4,219.8	0.96	0.00	-0.96	
8,735.0	93.50	181.10	4,814.3	-4,296.2	400.9	4,314.2	0.87	0.84	-0.21	
8,829.0	93.60	180.20	4,808.5	-4,390.0	399.8	4,407.7	0.96	0.11	-0.96	
8,924.0	93.10	179.50	4,802.9	-4,484.8	400.0	4,502.2	0.90	-0.53	-0.74	
9,017.0	93.20	180.30	4,797.8	-4,577.7	400.2	4,594.8	0.87	0.11	0.86	
9,112.0	91.70	181.40	4,793.8	-4,672.6	398.8	4,689.4	1.96	-1.58	1.16	
9,207.0	88.90	181.90	4,793.3	-4,767.5	396.1	4,783.8	2.99	-2.95	0.53	
9,302.0	90.30	181.70	4,793.9	-4,862.5	393.1	4,878.3	1.49	1.47	-0.21	
9,397.0	90.20	182.80	4,793.5	-4,957.4	389.3	4,972.6	1.16	-0.11	1.16	

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well Foster 3508 1-2H/Job #04641-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1306.0usft (Original Well Elev)
Site:	Sec. 35-T34S-T08W	MD Reference:	WELL @ 1306.0usft (Original Well Elev)
Well:	Foster 3508 1-2H/Job #04641-431-22/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)	
9,492.0	88.00	181.10	4,795.0	-5,052.3	386.1	5,067.0	2.93	-2.32	-1.79	
9,587.0	89.50	180.20	4,797.1	-5,147.3	385.0	5,161.6	1.84	1.58	-0.95	
Last Archer MWD Survey										
9,650.0	89.50	180.20	4,797.6	-5,210.3	384.8	5,224.4	0.00	0.00	0.00	
Projection to TD - PBHL Foster 1-2H										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
100.0	100.0	-0.1	0.0	First GYRO Survey	
1,085.0	1,085.0	-2.5	-0.7	Last GYRO Survey	
1,143.0	1,143.0	-2.8	-0.9	First Archer MWD Survey	
9,587.0	4,797.1	-5,147.3	385.0	Last Archer MWD Survey	
9,650.0	4,797.6	-5,210.3	384.8	Projection to TD	

Checked By: _____	Approved By: _____	Date: _____
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