



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1154770
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: _____



1154770

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	Jones 3506 2-13H
Doc ID	1154770

All Electric Logs Run

Mud Log
Nuclear
Resistivity
Prizm
Boresight

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Jones 3506 2-13H
Doc ID	1154770

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9128-9354	1500 gals 15% HCL, 5513 bbls Fresh Slickwater, Running TLTR= 6127 bbls	
5	8733-9050	1500 gals 15% HCL, 5189 bbls Fresh Slickwater, Running TLTR= 11541 bbls	
5	8323-8634	1500 gals 15% HCL, 4968 bbls Fresh Slickwater, Running TLTR= 16693 bbls	
5	7872-8238	1500 gals 15% HCL, 4367 bbls Fresh Slickwater, Running TLTR= 20687 bbls	
5	7538-7753	1500 gals 15% HCL, 4529 bbls Fresh Slickwater, Running TLTR= 25354 bbls	
5	7066-7450	1500 gals 15% HCL, 4475 bbls Fresh Slickwater, Running TLTR= 29968 bbls	
5	6688-6982	1500 gals 15% HCL, 4190 bbls Fresh Slickwater, Running TLTR= 34270 bbls	
5	6286-6634	1500 gals 15% HCL, 4510 bbls Fresh Slickwater, Running TLTR= 38880 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Jones 3506 2-13H
Doc ID	1154770

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5898-6190	1500 gals 15% HCL, 4601 bbls Fresh Slickwater, Running TLTR= 43551 bbls	
5	5512-5775	1500 gals 15% HCL, 4155 bbls Fresh Slickwater, Running TLTR= 47783 bbls	

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

August 09, 2013

Tiffany Golay
SandRidge Exploration and Production LLC
123 ROBERT S. KERR AVE
OKLAHOMA CITY, OK 73102-6406

Re: ACO1
API 15-077-21947-01-00
Jones 3506 2-13H
SE/4 Sec.13-35S-06W
Harper County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Tiffany Golay



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

INVOICE

INVOICE NO.: 450
 INVOICE DATE: 08/15/2013

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

YARD: WY WAYNOKA OK
 LEASE: Jones
 WELL#: 3506 2-13H
 RIG #: Unit 310
 Co/St: HARPER, KS

Tkt # WY-60-1 (10418) 06/27/2013

DESCRIPTION	FOOTAGE	QUANTITY	RATE	AMOUNT
6/27/2013 DRILLED 30" CONDUCTOR HOLE				
6/27/2013 20" CONDUCTOR PIPE (.250 WALL)				
6/27/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN				
6/27/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING				
6/27/2013 DRILLED 20" MOUSE HOLE (PER FOOT)				
6/27/2013 16" CONDUCTOR PIPE (.250 WALL)				
6/27/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE				
6/27/2013 WELDING SERVICES FOR PIPE & LIDS				
6/27/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE				
6/27/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)				
6/27/2013 10 YARDS 10 SACK GROUT				
6/27/2013 TAXABLE ITEMS				5,400.00
6/27/2013 BID + TAXABLE ITEMS				11,550.00

Sub Total: 16,950.00
 Tax HARPER COUNTY (6.3 %): 340.20
 PLEASE PAY THIS AMOUNT: \$ 17,290.20 ✓

API No. 15-077-21947
OTC/OCC Operator No.

CEMENTING REPORT
To Accompany Completion Report

Form 1002C
Rev. 1996

OKLAHOMA CORPORATION COMMISSION
Oil & Gas Conservation Division
Post Office Box 52000-2000
Oklahoma City, Oklahoma 73152-2000
OAC 165:10-3-4(h)

ATTENTION: IMPORTANT REGULATORY DOCUMENT!
retain for your records and file with
appropriate agency.

All operators must include this form when submitting the Completion Report, (Form 1002A). The signature on this statement must be that of qualified employees of the cementing company and operator to demonstrate compliance with OAC 165:10-3-4(h). It may be advisable to take a copy of this form to location when cementing work is performed.

TYPE OR USE BLACK INK ONLY

*Field Name				OCC District		
*Operator SANDRIDGE ENERGY INC EBUSINESS				OCC/OTC Operator No		
*Well Name/No. Jones 3506 2-13H				County Harper		
*Location 1/4 1/4 1/4 1/4		Sec 13	Twp 35S	Rge 6W		

Cement Casing Data	Conductor Casing	Surface Casing	Alternative Casing	Intermediate Casing	Production String	Liner
Cementing Date		7/23/13				
*Size of Drill Bit (Inches)		12.25				
*Estimated % wash or hole enlargement used in calculations		150				
*Size of Casing (inches O.D.)		9.625				
*Top of Liner (if liner used) (ft.)						
*Setting Depth of Casing (ft.) from ground level		695				
Type of Cement (API Class) In first (lead) or only slurry		EXTENDACE M				
In second slurry		SWIFTCEM				
In third slurry						
Sacks of Cement Used In first (lead) or only slurry		220				
In second slurry		150				
In third slurry						
Vol of slurry pumped (Cu ft)(14.X15.) in first (lead) or only slurry		464.2				
In second slurry		180				
In third slurry						
Calculated Annular Height of Cement behind Pipe (ft)		695				
Cement left in pipe (ft)		46				

*Amount of Surface Casing Required (from Form 1000)	ft.
---	-----

*Was cement circulated to Ground Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	*Was Cement Staging Tool (DV Tool) used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
*Was Cement Bond Log run? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If so, Attach Copy)	*If Yes, at what depth? ft

CEMENTING COMPANY AND OPERATOR MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE OF FORM

* Designates items to be completed by Operator.
Items not so designated shall be completed by the Cementing Company.

Remarks

Stage #1/Slurry #1: Fresh Water

Stage #1/Slurry #2: Halliburton Light Standard w/ EXTENDACEM (TM) SYSTEM, 6 % Bentonite, 3 % Calcium Chloride, Pellet, 0.25 lbm Poly-E-Flake.


Stage #1/Slurry #3: Standard w/ SWIFTCEM (TM) SYSTEM, 2 % Calcium Chloride, Pellet, 0.125 lbm Poly-E-Flake.

Stage #1/Slurry #4: Displacement

*Remarks

CEMENTING COMPANY

I declare under applicable Corporation Commission rule, that I am authorized to make this certification, that the cementing of casing in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct and complete to the best of my knowledge. This certification covers cementing data only.



Signature of Cementer or Authorized Representative

OPERATOR

I declare under applicable Corporation Commission rule, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct and complete to the best of my knowledge. This certification covers all well data and information presented herein.

Signature of Operator or Authorized Representative

Name & Title Printed or Typed

BRIAN PENN, Service Supervisor

Halliburton Energy Services

Address

701 DISPENCARY RD

City

BURNS FLAT

State	Zip
OKLAHOMA	73624

Telephone (AC) Number

580 562 1500

Date

7/23/13

*Name & Title Printed or Typed

*Operator

*Address

*City

*State	*Zip

*Telephone (AC) Number

*Date

INSTRUCTIONS

1. A) This form shall be filed by the operator, at the O.C.C. office in Oklahoma City, as an attachment to the Completion Report (Form 1002A) for a producing well or a dry hole.
- B) An original of this form shall be filed as an attachment to the Completion Report, (Form 1002A), for each cementing company used on a well.
- C) The cementing of different casing strings on a well by one cementing company may be consolidated on one form.
2. Cementing Company and Operator shall comply with the applicable portions of OAC 165:10-3-4(h).
3. Set surface casing 50 feet below depth of treatable water to be protected and cement from casing shoe to ground surface or as allowed by OAC 165:10-3-4(h).
4. **IF SETTING ANYTHING OTHER THAN THE FULL AMOUNT OF SURFACE CASING, BE SURE TO FOLLOW CORPORATION COMMISSION RULES.**

RECEIVED

AUG 12 2013

HALLIBURTON

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3011094	Quote #:	Sales Order #: 900606213
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Jones 3506	Well #: 2-13H	API/UWI #: 15-077-21947	
Field:	City (SAP): BLUFF CITY	County/Parish: Harper	State: Kansas
Legal Description: Section 13 Township 35S Range 6W			
Contractor: UNIT		Rig/Platform Name/Num: 310	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: WALTON, SCOTTY	MBU ID Emp #: 478229

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CHAMBERS, ANDREW Frank	12.0	544914	COE, KYLE E	12.0	518980	WALTON, SCOTTY Dwayne	12.0	478229

Equipment

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

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7-28-13	10	3	7-29-13	2	.5			

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Date	Time	Time Zone
Form Type	BHST		Called Out	28 - Jul - 2013	10:00 CST
Job depth MD	5463. ft	Job Depth TVD	On Location	28 - Jul - 2013	14:00 CST
Water Depth	Wk Ht Above Floor		Job Started	28 - Jul - 2013	22:30 CST
Perforation Depth (MD) From	To	Departed Loc	Job Completed	28 - Jul - 2013	23:42 CST
			29 - Jul - 2013	02:00	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				699.	5463.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5463.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	699.		

Tools and Accessories

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

Miscellaneous Materials

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

Fluid Data

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


Stage/Plug #: 1

Summit Version: 7.3.0106

Monday, July 29, 2013 01:10:00

HALLIBURTON

Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Water		30.00	bbl	8.33	.0	.0	.0	
2	50/50 POZ STANDARD (w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	150.0	sacks	13.6	1.53	7.24		7.24
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 %	BENTONITE, BULK (100003682)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	7.24 Gal	FRESH WATER							
3	premium	HALCEM (TM) SYSTEM (452986)	190.0	sacks	15.6	1.19	5.08		5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement		206.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	84 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature 					

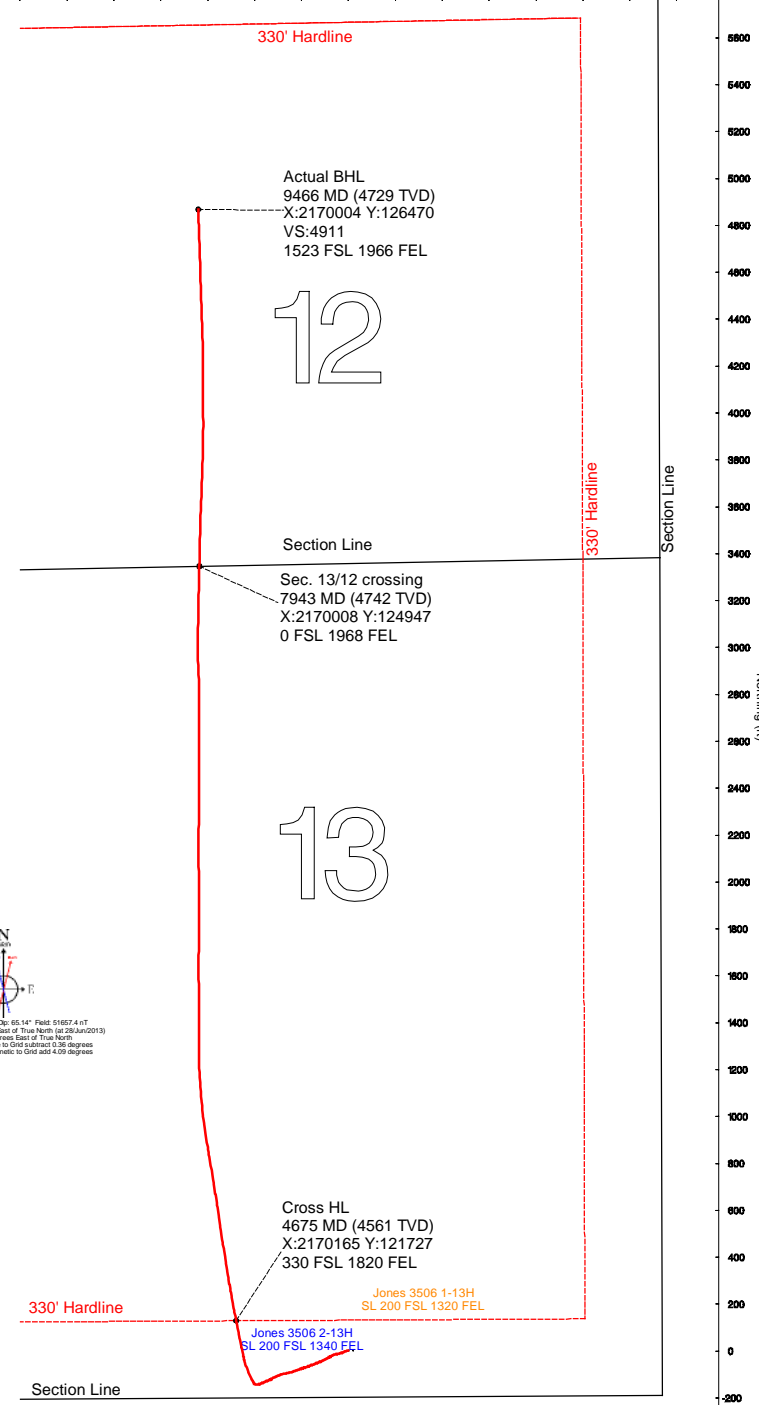
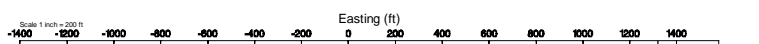


Sandridge Energy

Jones 3506 2-13H (Final)
Jones 3506 2-13H SL 200 FSL 1340 FEL
Harper County, Kansas (Sandridge Energy) NAD27 / Grid

Plot reference wellpath is Plan 1	
True vertical depths are referenced to Rig on Jones 3506 2-13H (RT)	Grid System: NAD27 (Lambert-Kansas SP, Southern Zone (1502), US feet)
Measured depths are referenced to Rig on Jones 3506 2-13H (RT)	North Reference: Grid north
Rig on Jones 3506 2-13H (RT) to Mean Sea Level: 1240 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: Jones 3506 2-13H SL 200 FSL 1340 FEL): 1240 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: bougie on 18/Jul/2013

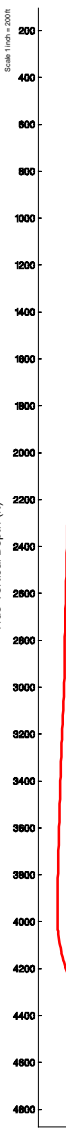
Location Information					
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	
Jones 3506 PAD Sec. 13-35S-6W	2170665.000	121600.000	38°59'56.947"N	97°54'56.339"W	
Slot	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude
Jones 3506 2-13H SL 200 FSL 1340 FEL	0.00	-20.00	2170645.000	121600.000	38°59'56.948"N
Rig on Jones 3506 2-13H (RT) to Mud line (At Slot: Jones 3506 2-13H SL 200 FSL 1340 FEL)					0ft
Mean Sea Level to Mud line (At Slot: Jones 3506 2-13H SL 200 FSL 1340 FEL)					-1240ft
Rig on Jones 3506 2-13H (RT) to Mean Sea Level					1240ft



Actual BHL
9466 MD (4729 TVD)
X:2170004 Y:126470
VS:4911
1523 FSL 1966 FEL



SDGM 1965.0 to 2014.0 (by: 03.14" Field 51657.41T
Magnetic North is 4.45 degrees East of True North (at 28/Jun/2013)
Grid North is 0.36 degrees East of True North
To correct azimuth from True to Grid subtract 0.36 degrees
To correct azimuth from Magnetic to Grid add 4.09 degrees



Azimuth 352.35° with reference 0.00 N, 0.00 E

Scale 1 inch = 200 ft



Actual Wellpath Report

Sandridge Jones 3506 2-13H_Final Surveys.
Page n of nn



REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Jones 3506 2-13H SL 200 FSL 1340 FEL
Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Jones 3506 2-13H Actual
Facility	Jones 3506 PAD Sec. 13-35S-6W		

REPORT SETUP INFORMATION			
Projection System	NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet		
North Reference	Grid	Software System	WellArchitect™ 3.0.0
Convergence at slot	0.36° East	User	Adammic
Scale	1.00006	Report Generated	05/Aug/2013 at 10:58:24 AM
Wellbore last revised	07-19-2013	Database/Source file	intokcapp01

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	-20.00	2170645.00	121600.00	36°59'56.948"N	97°54'56.585"W
Facility Reference Pt			2170665.00	121600.00	36°59'56.947"N	97°54'56.339"W
Field Reference Pt			2132248.82	161602.28	37°06'34.560"N	98°02'47.460"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Rig on Jones 3506 2-13H (RT) to Facility Vertical Datum	0.00ft
Horizontal Reference Pt	Slot	Rig on Jones 3506 2-13H (RT) to Mean Sea Level	1240.00ft
Vertical Reference Pt	Rig on Jones 3506 2-13H (RT)	Rig on Jones 3506 2-13H (RT) to Mud Line at Slot (Jones 3506 2-13H SL 200 FSL 1340 FEL)	0.00ft
MD Reference Pt	Rig on Jones 3506 2-13H (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	352.35°



Actual Wellpath Report

Sandridge Jones 3506 2-13H_Final Surveys.
Page n of nn



REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Jones 3506 2-13H SL 200 FSL 1340 FEL
Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Jones 3506 2-13H Actual
Facility	Jones 3506 PAD Sec. 13-35S-6W		

WELLPATH DATA (148 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
0.00	0.000	6.450	0.00	0.00	0.00	0.00	2170645.00	121600.00	0.00	
117.00	0.340	6.450	117.00	0.34	0.34	0.04	2170645.04	121600.34	0.29	
179.00	0.380	245.640	179.00	0.46	0.44	-0.13	2170644.87	121600.44	1.01	
210.00	1.210	267.960	210.00	0.46	0.39	-0.55	2170644.45	121600.39	2.81	
241.00	1.600	262.120	240.99	0.49	0.32	-1.30	2170643.70	121600.32	1.34	
271.00	1.380	261.830	270.98	0.48	0.21	-2.08	2170642.92	121600.21	0.73	
302.00	1.930	262.210	301.96	0.48	0.09	-2.96	2170642.04	121600.09	1.77	
333.00	2.860	256.100	332.94	0.39	-0.17	-4.23	2170640.77	121599.83	3.11	
363.00	3.280	253.690	362.89	0.18	-0.59	-5.78	2170639.22	121599.41	1.46	
394.00	3.290	247.770	393.84	-0.17	-1.18	-7.46	2170637.54	121598.82	1.09	
424.00	4.200	245.910	423.78	-0.70	-1.95	-9.26	2170635.74	121598.05	3.06	
454.00	4.120	250.150	453.70	-1.24	-2.77	-11.27	2170633.73	121597.23	1.06	
485.00	5.050	252.780	484.60	-1.70	-3.55	-13.62	2170631.38	121596.45	3.07	
515.00	4.910	248.580	514.49	-2.23	-4.41	-16.08	2170628.92	121595.59	1.30	
546.00	5.480	246.670	545.36	-2.94	-5.48	-18.67	2170626.33	121594.52	1.92	
576.00	5.410	240.970	575.22	-3.85	-6.73	-21.23	2170623.77	121593.27	1.82	
607.00	5.710	244.940	606.08	-4.84	-8.09	-23.90	2170621.10	121591.90	1.57	
647.00	5.770	251.000	645.88	-5.83	-9.59	-27.60	2170617.39	121590.41	1.52	
722.00	6.150	251.810	720.47	-7.31	-12.07	-34.99	2170610.01	121587.93	0.52	
814.00	5.080	262.110	812.03	-8.23	-14.17	-43.70	2170601.29	121585.83	1.59	
905.00	5.860	259.070	902.62	-8.51	-15.61	-52.25	2170592.74	121584.39	0.91	
996.00	5.920	250.840	993.14	-9.71	-18.03	-61.25	2170583.75	121581.97	0.93	
1088.00	6.370	243.440	1084.61	-12.31	-21.87	-70.30	2170574.70	121578.13	0.99	
1179.00	5.910	237.850	1175.09	-15.89	-26.62	-78.78	2170566.22	121573.38	0.83	
1271.00	5.910	239.460	1266.60	-19.70	-31.54	-86.87	2170558.13	121568.46	0.18	
1362.00	5.760	244.060	1357.13	-22.95	-35.92	-95.01	2170549.99	121564.08	0.54	
1454.00	5.840	243.990	1448.66	-25.88	-39.99	-103.37	2170541.63	121560.00	0.09	
1545.00	7.020	244.530	1539.08	-29.04	-44.41	-112.55	2170532.44	121555.58	1.30	
1637.00	6.740	246.540	1630.42	-32.23	-48.98	-122.58	2170522.42	121551.02	0.40	
1728.00	7.110	249.490	1720.76	-34.93	-53.08	-132.75	2170512.24	121546.92	0.56	
1823.00	6.280	248.310	1815.11	-37.50	-57.06	-143.08	2170501.91	121542.94	0.89	
1918.00	6.880	250.240	1909.48	-39.96	-60.91	-153.27	2170491.72	121539.09	0.67	
2013.00	6.910	251.500	2003.80	-42.23	-64.64	-164.04	2170480.95	121535.35	0.16	
2108.00	7.220	247.460	2098.07	-44.84	-68.74	-174.98	2170470.01	121531.25	0.62	
2202.00	6.850	252.530	2191.37	-47.31	-72.69	-185.78	2170459.21	121527.30	0.77	
2297.00	6.090	253.220	2285.76	-49.08	-75.85	-196.01	2170448.98	121524.15	0.80	
2392.00	6.360	249.230	2380.20	-51.07	-79.17	-205.75	2170439.24	121520.83	0.54	
2487.00	6.540	250.800	2474.60	-53.35	-82.81	-215.78	2170429.21	121517.18	0.27	
2582.00	7.070	251.770	2568.93	-55.50	-86.42	-226.44	2170418.54	121513.57	0.57	
2677.00	6.910	249.430	2663.23	-57.86	-90.26	-237.35	2170407.64	121509.74	0.34	
2772.00	9.400	256.200	2757.26	-59.96	-94.12	-250.23	2170394.75	121505.88	2.80	
2867.00	10.000	259.040	2850.90	-61.27	-97.54	-265.87	2170379.12	121502.46	0.81	
2961.00	9.800	256.460	2943.50	-62.56	-100.96	-281.66	2170363.33	121499.03	0.52	
3056.00	10.160	247.110	3037.07	-65.60	-106.11	-297.24	2170347.75	121493.88	1.75	
3151.00	9.140	246.120	3130.73	-69.91	-112.43	-311.85	2170333.13	121487.57	1.09	



Actual Wellpath Report

Sandridge Jones 3506 2-13H_Final Surveys.
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Jones 3506 2-13H SL 200 FSL 1340 FEL
Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Jones 3506 2-13H Actual
Facility	Jones 3506 PAD Sec. 13-35S-6W		

WELLPATH DATA (148 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
3246.00	6.090	241.600	3224.88	-73.80	-117.88	-323.19	2170321.79	121482.11	3.27	
3301.00	4.680	238.340	3279.63	-75.75	-120.44	-327.67	2170317.31	121479.55	2.62	
3341.00	4.590	239.150	3319.50	-77.04	-122.12	-330.43	2170314.55	121477.87	0.28	
3404.00	5.400	243.600	3382.26	-78.99	-124.73	-335.25	2170309.73	121475.26	1.42	
3436.00	5.990	247.070	3414.11	-79.91	-126.05	-338.14	2170306.84	121473.94	2.13	
3531.00	6.100	246.660	3508.58	-82.58	-129.98	-347.33	2170297.64	121470.01	0.12	
3625.00	6.260	248.500	3602.03	-85.16	-133.84	-356.69	2170288.29	121466.15	0.27	
3720.00	5.030	244.460	3696.57	-87.68	-137.53	-365.27	2170279.71	121462.46	1.36	
3815.00	5.240	248.710	3791.19	-89.98	-140.91	-373.07	2170271.91	121459.09	0.46	
3910.00	5.860	251.850	3885.74	-91.89	-143.99	-381.72	2170263.26	121456.00	0.73	
3941.00	5.890	252.860	3916.58	-92.44	-144.95	-384.74	2170260.24	121455.04	0.35	
3973.00	6.210	255.580	3948.40	-92.91	-145.87	-387.99	2170256.99	121454.12	1.34	
4005.00	6.700	266.940	3980.20	-92.97	-146.40	-391.53	2170253.45	121453.59	4.27	
4036.00	6.930	283.100	4010.98	-92.16	-146.07	-395.15	2170249.82	121453.92	6.21	
4068.00	7.570	303.760	4042.73	-90.08	-144.46	-398.79	2170246.19	121455.53	8.34	
4099.00	10.080	320.660	4073.37	-86.42	-141.23	-402.21	2170242.77	121458.76	11.56	
4131.00	12.180	326.030	4104.77	-81.01	-136.26	-405.87	2170239.11	121463.73	7.31	
4163.00	14.490	329.800	4135.90	-74.29	-130.00	-409.77	2170235.21	121469.99	7.71	
4194.00	15.600	332.200	4165.84	-66.79	-122.96	-413.66	2170231.31	121477.03	4.11	
4226.00	17.770	334.160	4196.49	-58.11	-114.76	-417.80	2170227.18	121485.23	7.00	
4257.00	20.710	336.240	4225.76	-48.35	-105.48	-422.07	2170222.90	121494.51	9.74	
4289.00	23.510	337.740	4255.40	-36.74	-94.40	-426.77	2170218.21	121505.60	8.93	
4320.00	25.300	339.420	4283.63	-24.30	-82.47	-431.44	2170213.53	121517.52	6.19	
4352.00	26.700	340.990	4312.39	-10.58	-69.27	-436.18	2170208.79	121530.72	4.87	
4383.00	28.210	342.910	4339.90	3.47	-55.68	-440.61	2170204.37	121544.31	5.65	
4415.00	30.940	345.350	4367.73	19.10	-40.49	-444.91	2170200.06	121559.51	9.32	
4447.00	34.420	346.600	4394.66	36.27	-23.73	-449.09	2170195.88	121576.27	11.08	
4478.00	36.960	347.680	4419.83	54.28	-6.10	-453.11	2170191.86	121593.90	8.44	
4510.00	38.480	348.280	4445.15	73.80	13.05	-457.18	2170187.79	121613.05	4.89	
4542.00	40.690	348.780	4469.81	94.15	33.03	-461.24	2170183.74	121633.03	6.98	
4573.00	43.060	348.760	4492.89	114.80	53.33	-465.27	2170179.71	121653.33	7.65	
4605.00	45.950	348.980	4515.71	137.18	75.33	-469.59	2170175.38	121675.34	9.04	
4636.00	49.060	349.090	4536.64	160.00	97.77	-473.94	2170171.03	121697.78	10.04	
4668.00	51.710	348.780	4557.05	184.61	121.96	-478.67	2170166.30	121721.97	8.31	
4675.00†	52.344	348.833	4561.35	190.11	127.38	-479.74	2170165.23	121727.38	9.08	Cross HL 4675 MD (4561 TVD) X:2170165 Y:121727 330 FSL 1820 FEL
4699.00	54.520	349.010	4575.65	209.35	146.29	-483.45	2170161.52	121746.30	9.08	
4731.00	56.980	349.400	4593.66	235.76	172.27	-488.40	2170156.57	121772.28	7.75	
4763.00	59.030	349.660	4610.61	262.87	198.96	-493.33	2170151.64	121798.97	6.44	
4794.00	61.360	349.820	4626.02	289.74	225.43	-498.12	2170146.85	121825.44	7.53	
4826.00	63.940	350.020	4640.72	318.13	253.41	-503.09	2170141.87	121853.42	8.08	
4858.00	66.680	350.140	4654.09	347.18	282.04	-508.10	2170136.87	121882.06	8.57	
4889.00	69.160	350.890	4665.74	375.89	310.38	-512.83	2170132.13	121910.40	8.31	
4921.00	70.960	350.610	4676.65	405.96	340.07	-517.67	2170127.30	121940.09	5.68	
4953.00	73.010	350.680	4686.55	436.37	370.09	-522.62	2170122.35	121970.11	6.41	
4984.00	75.150	350.920	4695.05	466.17	399.52	-527.38	2170117.59	121999.54	6.94	



Actual Wellpath Report

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Jones 3506 2-13H SL 200 FSL 1340 FEL
Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Jones 3506 2-13H Actual
Facility	Jones 3506 PAD Sec. 13-35S-6W		

WELLPATH DATA (148 stations) † = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
5016.00	77.310	350.830	4702.67	497.24	430.20	-532.31	2170112.66	122030.23	6.76	
5047.00	79.530	351.250	4708.89	527.60	460.20	-537.04	2170107.93	122060.23	7.28	
5079.00	81.940	351.640	4714.04	559.18	491.43	-541.74	2170103.23	122091.46	7.63	
5115.00	84.680	351.320	4718.24	594.92	526.78	-547.03	2170097.93	122126.82	7.66	
5161.00	86.700	351.910	4721.69	640.79	572.16	-553.72	2170091.24	122172.20	4.57	
5210.00	87.380	351.520	4724.22	689.72	620.58	-560.77	2170084.19	122220.62	1.60	
5255.00	87.960	350.540	4726.05	734.67	665.00	-567.78	2170077.18	122265.04	2.53	
5305.00	87.650	350.630	4727.97	784.61	714.29	-575.96	2170069.01	122314.33	0.65	
5382.00	87.760	350.700	4731.05	861.51	790.21	-588.44	2170056.53	122390.25	0.17	
5427.00	88.460	350.380	4732.53	906.47	834.57	-595.83	2170049.13	122434.62	1.71	
5450.00	88.550	350.910	4733.13	929.45	857.26	-599.57	2170045.40	122457.31	2.34	
5499.00	89.600	350.640	4733.93	978.42	905.61	-607.42	2170037.54	122505.67	2.21	
5562.00	87.520	352.640	4735.51	1041.39	967.92	-616.58	2170028.38	122567.98	4.58	
5594.00	86.950	352.900	4737.05	1073.35	999.63	-620.60	2170024.36	122599.69	1.96	
5657.00	88.090	354.900	4739.78	1136.27	1062.21	-627.29	2170017.67	122662.27	3.65	
5688.00	88.800	355.210	4740.62	1167.22	1093.08	-629.96	2170015.00	122693.15	2.50	
5783.00	89.690	356.920	4741.87	1262.01	1187.84	-636.48	2170008.48	122787.92	2.03	
5878.00	89.010	0.190	4742.95	1356.43	1282.79	-638.87	2170006.09	122882.87	3.52	
5972.00	89.350	0.280	4744.30	1449.53	1376.78	-638.49	2170006.47	122976.87	0.37	
6067.00	90.250	359.520	4744.63	1543.71	1471.78	-638.65	2170006.31	123071.87	1.24	
6160.00	91.170	359.490	4743.47	1635.97	1564.77	-639.46	2170005.50	123164.87	0.99	
6191.00	91.290	359.590	4742.81	1666.72	1595.76	-639.70	2170005.26	123195.86	0.50	
6282.00	88.890	0.570	4742.67	1756.89	1686.75	-639.58	2170005.38	123286.86	2.85	
6377.00	90.280	0.530	4743.35	1850.91	1781.74	-638.67	2170006.30	123381.85	1.46	
6472.00	90.860	359.960	4742.41	1945.01	1876.74	-638.26	2170006.70	123476.85	0.86	
6567.00	89.690	359.510	4741.95	2039.22	1971.73	-638.70	2170006.26	123571.86	1.32	
6662.00	89.540	359.230	4742.59	2133.50	2066.73	-639.74	2170005.22	123666.85	0.33	
6757.00	89.750	0.310	4743.18	2227.70	2161.72	-640.12	2170004.84	123761.85	1.16	
6852.00	89.970	0.600	4743.41	2321.75	2256.72	-639.37	2170005.59	123856.86	0.38	
6947.00	88.550	0.070	4744.64	2415.82	2351.71	-638.81	2170006.15	123951.85	1.60	
7042.00	89.140	359.830	4746.55	2509.97	2446.69	-638.90	2170006.06	124046.84	0.67	
7137.00	90.990	0.160	4746.45	2604.12	2541.68	-638.91	2170006.05	124141.84	1.98	
7232.00	92.860	0.390	4743.26	2698.15	2636.62	-638.45	2170006.51	124236.78	1.98	
7327.00	92.590	0.820	4738.74	2792.06	2731.51	-637.45	2170007.51	124331.68	0.53	
7422.00	89.750	358.720	4736.80	2886.23	2826.47	-637.83	2170007.13	124426.65	3.72	
7516.00	89.850	356.580	4737.13	2979.82	2920.39	-641.68	2170003.28	124520.57	2.28	
7611.00	88.830	0.850	4738.22	3074.21	3015.34	-643.81	2170001.15	124615.52	4.62	
7707.00	90.830	1.170	4738.51	3169.11	3111.32	-642.12	2170002.84	124711.51	2.11	
7802.00	88.890	1.170	4738.74	3262.98	3206.29	-640.18	2170004.78	124806.49	2.04	
7897.00	88.770	1.550	4740.68	3356.79	3301.24	-637.93	2170007.03	124901.45	0.42	
7943.00†	89.068	1.261	4741.55	3402.21	3347.22	-636.80	2170008.16	124947.43	0.90	Sec. 13/12 crossing 7943 MD (4742 TVD) X:2170008 Y:124947 0 FSL 1968 FEL
7991.00	89.380	0.960	4742.20	3449.64	3395.21	-635.87	2170009.09	124995.42	0.90	
8085.00	90.000	1.620	4742.70	3542.50	3489.18	-633.75	2170011.21	125089.40	0.96	
8180.00	89.970	1.930	4742.73	3636.21	3584.14	-630.81	2170014.15	125184.36	0.33	
8275.00	90.090	2.530	4742.68	3729.80	3679.06	-627.11	2170017.85	125279.29	0.64	



Actual Wellpath Report

Sandridge Jones 3506 2-13H_Final Surveys.
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Jones 3506 2-13H SL 200 FSL 1340 FEL
Area	Kansas	Well	Subject
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Jones 3506 2-13H Actual
Facility	Jones 3506 PAD Sec. 13-35S-6W		

WELLPATH DATA (148 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
8370.00	89.410	1.660	4743.09	3823.43	3774.00	-623.64	2170021.32	125374.23	1.16	
8465.00	90.650	1.230	4743.04	3917.23	3868.97	-621.25	2170023.72	125469.20	1.38	
8560.00	89.260	359.790	4743.12	4011.27	3963.96	-620.40	2170024.56	125564.20	2.11	
8655.00	88.980	359.480	4744.58	4105.49	4058.94	-621.01	2170023.96	125659.19	0.44	
8749.00	90.770	359.580	4744.78	4198.75	4152.94	-621.78	2170023.18	125753.19	1.91	
8844.00	91.260	359.850	4743.10	4292.95	4247.92	-622.25	2170022.71	125848.18	0.59	
8939.00	87.900	358.140	4743.80	4387.29	4342.89	-623.92	2170021.05	125943.15	3.97	
9034.00	90.680	357.790	4744.97	4481.82	4437.81	-627.29	2170017.67	126038.08	2.95	
9129.00	91.360	358.300	4743.28	4576.33	4532.74	-630.53	2170014.43	126133.02	0.89	
9224.00	92.210	358.150	4740.32	4670.79	4627.65	-633.47	2170011.49	126227.93	0.91	
9319.00	92.740	357.890	4736.22	4765.23	4722.50	-636.75	2170008.21	126322.79	0.62	
9413.00	93.120	358.310	4731.42	4858.64	4816.33	-639.86	2170005.10	126416.62	0.60	
9466.00	93.120	358.310	4728.53	4911.27	4869.22	-641.42	2170003.54	126469.52	0.00	Actual BHL 9466 MD (4729 TVD) X:2170004 Y:126470 VS:4911 1523 FSL 1966 FEL

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Jones 3506 2-13H PBHL		4728.00	4875.70	-654.96	2169990.00	126476.00	37°00'45.197"N	97°55'04.284"W	point

WELLPATH COMPOSITION - Ref Wellbore: Jones 3506 2-13H Actual Ref Wellpath: AWP (Final)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	9413.00	NaviTrak (Standard)	Integ MWD	Jones 3506 2-13H Actual
9413.00	9466.00	Blind Drilling (std)	Projection to bit	Jones 3506 2-13H Actual

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	9/7/2013
Job End Date:	9/9/2013
State:	Kansas
County:	Harper
API Number:	15-077-21947-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Jones 3506 2-13H
Longitude:	-97.91570000
Latitude:	36.99910000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,728
Total Base Water Volume (gal):	1,981,599
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
C102	Bosque Disposal Systems, LLC	Oxidizer					
			Chlorine Dioxide	10049-04-4	15.00000	100.00000	
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.							
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ammonium chloride	12125-02-9	0.11785		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C12-C14, ethoxylated	68439-50-9	0.00354		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Potassium hydroxide	1310-58-3	0.00023		

HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Crystalline silica	14808-60-7	97.02570		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Propan-2-ol	67-63-0	0.00099		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ethane-1,2-diol	107-21-1	0.00859		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Hydrogen chloride	7647-01-0	2.08390		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sorbitan monooleate	1338-43-8	0.02357		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ethoxylated oleic acid	9004-96-0	0.02357		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Thiourea, polymer with formaldehyde and 1- phenylethanone	68527-49-1	0.00511		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					

			Distillates (petroleum), hydrotreated light	64742-47-8	0.24749		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Fatty acids, tall-oil	61790-12-3	0.00621		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Ethanol, 2,2',2''-nitrotris-, 1,1',1''-tris(dihydrogen phosphate), sodium salt	68171-29-9	0.06870		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C14-15, ethoxylated (7EO)	68951-67-7	0.00238		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C10-C16, ethoxylated	68002-97-1	0.00471		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Prop-2-yn-1-ol	107-19-7	0.00158		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sodium erythorbate	6381-77-7	0.00146		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sorbitol Tetraoleate	61723-83-9	0.00707		

HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Trisodium ortho phosphate	7601-54-9	0.03020		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Polyethylene glycol monohexyl ether	31726-34-8	0.11244		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			2-Propenoic acid, ammonium salt	10604-69-0	0.00577		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alkenes, C>10 a-	64743-02-8	0.00106		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			C14 alpha olefin ethoxylate	84133-50-6	0.00354		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Sodium sulfocyanate	540-72-7	0.00613		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Methanol	67-56-1	0.00845		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					

			Dicoco dimethyl quaternary ammonium chloride	61789-77-3	0.00493		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Water (Including Mix Water Supplied by Client)*	NA			
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Acrylamide/ammonium acrylate copolymer	26100-47-0	0.18857		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			Alcohols, C12-C16, ethoxylated	68551-12-2	0.00354		
HCL 15, Slickwater	Schlumberger	Corrosion Inhibitor, Friction Reducer, Scale Inhibitor, Surfactant , Acid, Iron Control Agent, Propping Agent					
			2-propenamid	79-06-1	0.00106		

* 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 12
35S 6W

BHL: 9466'
-97.918146 37.012558

Bottom Perf: 9128'
-97.918115 37.011634

1543' FSL

1974' FEL

Section 7
35S 5W

Harper County

Section 13
35S 6W

Section 18
35S 5W

Top Perf: 5512'
-97.918114 37.001672

DALRYMPLE FARMS 3506 1-13H



Miss Entry: 5042'
-97.917722 36.999656



JONES 3506 1-13H

JONES 3506 2-13H

Section 14
29N 7W

Grant County

Section 13
29N 7W



Actual Bottom-Hole Location of Jones 3506 2-13H
Harper County, Kansas

T&R: 35S 6W
Section: 12, 1974' FEL & 1543' FSL
-97.918146 37.012558

1 in = 625 ft



● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections

0 487.5 975 1,950 Feet

Draftsman:

Aaron Birk

Draft Date: 10/21/2013

Drawing Name/Number:

Addendum_Jones 3506 2-13H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502