Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1163070

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34192
Name: SandRidge Exploration and Production LLC
Address 1: 123 ROBERT S. KERR AVE
Address 2:
City: OKLAHOMA CITY State: OK Zip: 73102 + 6406
Contact Person: Tiffany Golay
Phone: (405) 429-6543
CONTRACTOR: License # 34600
Name: Horizon Energy Services, LLC
Wellsite Geologist: Tammy Alcorn
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 #:

9/17/2013 — Spud Date or Recompletion Date
10/11/2013 — Date Reached TD
12/12/2013 — Completion Date or Recompletion Date

API No. 15 - 15-077-21964-01-00
Spot Description:
SE - SW - SE - SE Sec. 25 Twp. 32 S. R. 7 ☐ East ☑ West
250 Feet from ☐ North / ☑ South Line of Section
790 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Harper
Lease Name: Richard 3206 Well #: 3-30H 1L
Field Name:
Producing Formation: Mississippian
Elevation: Ground: 1411 Kelly Bushing: 1432
Total Vertical Depth: 8915 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 756 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 12000 ppm Fluid volume: 550 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: DFD Disposal
Lease Name: unnamed License #: 99999
Quarter NE Sec. 30 Twp. 27 S. R. 6 ☐ East ☑ West
County: Grant (OK) Permit #: 603749

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☑ **Confidentiality Requested**
Date: 01/13/2014
☑ **Confidential Release Date:** 01/13/2016
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 01/13/2014

[redacted] 1163070

Operator Name: SandRidge Exploration and Production LLC Lease Name: Richard 3206 Well #: 3-30H 1L

Sec. 25 Twp. 32 S. R. 7 ☐ East ☑ West County: Harper

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

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

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

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

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

Name	Top	Datum
Base Heebner	3298	
Lansing	3570	
Cottage Grove	3887	
Oswego Limestone	4182	
Cherokee Group	4297	
Verdigris Limestone	4327	
Mississippi Lime	4475	

CASING RECORD ☑ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Conductor	30	20	75	80	Grade A	11	none
Surface	12.25	9.625	36	756	35:65 Poz:C/ Class C	420	6% D020, 26 lb/sk D035, 0.125 lb/sk D13
Intermediate	8.625	7	26	5147	50/50 Poz H	300	0.21% D013, 4% D020, 37 lb/sk D035, 2

ADDITIONAL CEMENTING / SQUEEZE RECORD

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

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

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

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

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

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

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

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

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

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

PRODUCTION INTERVAL:

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

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Richard 3206 3-30H 1L
Doc ID	1163070

All Electric Logs Run

Boresight
Prizm
Porosity
Resistivity
Mud Log

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Richard 3206 3-30H 1L
Doc ID	1163070

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	80	Grade A	11	none
Surface	12.25	9.625	36	756	35:65 Poz:C/ Class C	420	6% D020, 26 lb/sk D035, 0.125 lb/sk D130, 61 lb/sk D909, 2% S001
Intermediate	8.625	7	26	5147	50/50 Poz H	300	0.21% D013, 4% D020, 37 lb/sk D035, 2 lb/sk D042, 0.1% D065, 0.2% D079, 0.6% D112

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

Kansas
Corporation Commission

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

October 15, 2013

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

Re: ACO1
API 15-077-21964-01-00
Richard 3206 3-30H 1L
SE/4 Sec.25-32S-07W
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

EDGE SERVICES
580-254-3216
Woodward, OK

INVOICE

DATE	INVOICE #
9/25/2013	4240

BILL TO
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

REMIT TO
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
HARPER, KS	9/18/2013	3296		RICHARD 3206 3-30H	Due on rec...

Description
DRILLED 80' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 80' OF 20" CONDUCTOR PIPE FURNISHED 1 LOAD(S) MUD FURNISHED WELDER AND MATERIALS FURNISHED 11 YARDS OF GRADE A CEMENT FURNISHED GROUT PUMP DRILL MOUSE HOLE FURNISHED 80' OF 14" CONDUCTOR PIPE FOR MOUSE HOLE TOTAL BID $ 17,000.00

Sales Tax (6.15%)	$161.62
TOTAL	$17,161.62

Schlumberger

Cementing Service Report

Customer	Job Number
Sandridge	1855309

Well	Location (legal)	Schlumberger Location	Job Start
Richard 3-30H	Anthony		Sep/27/2013

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
Harper,Ks.			12.3 in	750.0 ft	750.0 ft

County	State/Province	BHP	BHST	BHCT	Pore Press. Gradient
Harper	Kansas		89 degF	65 degF	

Well Master	API/UWI
0631496321	15077219640100

Rig Name	Drilled For	Service Via
Horizon #15	Oil & Gas	Land

Offshore Zone	Well Class	Well Type
	New	Development

Drilling Fluid Type	Max. Density	Plastic Viscosity

Service Line	Job Type
Cementing	Cem Surface Casing

Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection
2816 psi		Single Cement head

Service Instructions

. Pump 10 bbl water, 260 sks 35:65 Poz:C + adds @ 12.40 ppg, 160 sks Class C @ 14.80 ppg, drop top plug and displace per client specifications.

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
756.8	9.630	36.0	J55	8RD
0.0	0.000	0.0		

Tubing/Drill Pipe

Depth,	Size,	Weight,	Grade	Thread

Perforations/Open Hole

Top,	Bottom,		No. of Shots	Total Interval
				Diameter

Treat Down	Displacement	Packer Type	Packer Depth
Casing	55.3 bbl		

Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.
	58.5 bbl	42.2 bbl	

Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement
☐	☒

Lift Pressure	280 psi

Pipe Rotated	Pipe Reciprocated
☐	☐

No. Centralizers	Top Plugs	Bottom Plugs
4	1	0

Cement Head Type	Single

Job Scheduled For	Arrived on Location	Leave Location
Sep/27/2013	Sep/27/2013	Sep/27/2013

Casing Tools

Shoe Type	Guide
Shoe Depth	756.8 ft
Stage Tool Type	
Stage Tool Depth	
Collar Type	Float
Collar Depth	715.3 ft

Squeeze Job

Squeeze Type	
Tool Type	
Tool Depth	
Tail Pipe Size	
Tail Pipe Depth	
Sqz. Total Vol.	

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/27/2013	05:42:24	4	0.0	8.46	0.0	
09/27/2013	05:42:32					Start Job
09/27/2013	05:42:32	4	0.0	8.46	0.0	
09/27/2013	05:43:54	4	0.0	8.46	0.0	
09/27/2013	05:45:24	4	0.0	8.46	0.0	
09/27/2013	05:46:54	4	0.0	8.46	0.0	
09/27/2013	05:48:24	1	0.0	8.46	0.0	
09/27/2013	05:49:54	62	0.0	8.47	0.0	
09/27/2013	05:51:24	9	0.1	8.47	0.0	
09/27/2013	05:52:29					Start Pumping Spacer
09/27/2013	05:52:29	2539	0.0	8.47	0.1	
09/27/2013	05:52:35					Pressure Test Lines
09/27/2013	05:52:35	2534	0.0	8.47	0.1	
09/27/2013	05:52:54	2614	0.0	8.46	0.1	
09/27/2013	05:53:49					Pressure Test Lines
09/27/2013	05:53:49	3886	0.0	8.46	0.1	
09/27/2013	05:54:24	6	0.0	8.46	0.1	
09/27/2013	05:55:54	68	2.2	8.46	0.9	
09/27/2013	05:57:24	140	5.1	8.45	7.7	
09/27/2013	05:57:53					End Spacer
09/27/2013	05:57:53	142	5.2	8.45	10.2	

Well	Field	Job Start	Customer	Job Number
Richard 3-30H	Harper,Ks.	Sep/27/2013	Sandridge	1855309

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/27/2013	05:57:58	143	5.1	8.45	10.6	
09/27/2013	05:58:54	258	5.9	12.55	15.6	
09/27/2013	06:00:24	261	6.0	12.67	24.6	
09/27/2013	06:01:54	256	6.1	12.57	33.8	
09/27/2013	06:03:24	257	5.9	12.67	42.8	
09/27/2013	06:04:54	114	4.6	12.49	51.6	
09/27/2013	06:06:24	247	6.0	12.42	58.8	
09/27/2013	06:07:54	261	6.1	12.60	67.8	
09/27/2013	06:09:24	249	5.9	12.63	76.9	
09/27/2013	06:10:54	251	6.0	12.59	85.6	
09/27/2013	06:12:24	229	5.9	12.54	94.4	
09/27/2013	06:13:35					End Lead Slurry
09/27/2013	06:13:35	130	3.9	12.36	100.6	
09/27/2013	06:13:37					Start Mixing Tail Slurry
09/27/2013	06:13:37	128	3.9	12.32	100.7	
09/27/2013	06:13:41					Reset Total, Vol = 101.00 bbl
09/27/2013	06:13:41	128	3.9	12.21	101.0	
09/27/2013	06:13:54	119	3.9	12.44	101.9	
09/27/2013	06:15:24	290	5.3	14.95	109.9	
09/27/2013	06:16:54	293	5.4	14.85	118.0	
09/27/2013	06:18:24	219	4.8	14.72	125.8	
09/27/2013	06:19:54	136	3.7	14.83	131.8	
09/27/2013	06:21:24	114	2.9	15.42	136.5	
09/27/2013	06:22:37					End Tail Slurry
09/27/2013	06:22:37	11	0.0	15.48	138.8	
09/27/2013	06:22:39					Reset Total, Vol = 37.83 bbl
09/27/2013	06:22:39	11	0.0	15.48	138.8	
09/27/2013	06:22:40					Drop Top Plug
09/27/2013	06:22:40	11	0.0	15.48	138.8	
09/27/2013	06:22:41					Start Displacement
09/27/2013	06:22:41	13	0.0	15.48	138.8	
09/27/2013	06:22:54	15	0.0	15.47	138.8	
09/27/2013	06:24:24	11	0.0	15.62	138.8	
09/27/2013	06:25:54	102	4.2	8.94	143.7	
09/27/2013	06:27:24	127	5.6	8.63	150.8	
09/27/2013	06:28:54	226	6.4	8.48	160.1	
09/27/2013	06:30:24	248	6.4	8.46	169.5	
09/27/2013	06:31:54	172	2.2	8.46	177.3	
09/27/2013	06:33:24	175	2.2	8.46	180.6	
09/27/2013	06:34:54	195	2.3	8.46	184.0	
09/27/2013	06:36:24	214	2.2	8.46	187.3	
09/27/2013	06:37:54	260	2.3	8.46	190.6	
09/27/2013	06:39:24	257	2.3	8.46	193.9	
09/27/2013	06:40:54	1065	0.0	8.46	194.3	
09/27/2013	06:42:12					Bump Top Plug
09/27/2013	06:42:12					End Displacement
09/27/2013	06:42:12	1066	0.0	8.46	194.3	
09/27/2013	06:42:15					Check Floats
09/27/2013	06:42:15	1066	0.0	8.46	194.3	
09/27/2013	06:42:24	1066	0.0	8.46	194.3	
09/27/2013	06:43:16					Reset Total, Vol = 55.52 bbl
09/27/2013	06:43:16	6	0.0	8.47	194.3	
09/27/2013	06:43:54	6	0.0	8.47	194.3	
09/27/2013	06:45:16					Floats Held

Well	Field	Job Start	Customer	Job Number
Richard 3-30H	Harper,Ks.	Sep/27/2013	Sandridge	1855309

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/27/2013	06:45:16	6	0.0	8.46	194.3	

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
6.0			6.0	131.0		10.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3900	1075	187	1075				

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume
		55.3 bbl		[X]	20.0 bbl
				Washed Thru Perfs [ ]	To

Customer or Authorized Representative	Schlumberger Supervisor	Circulation Lost	Job Completed
Cody Davis	Dustin Green	- [ ]	- [X]

Schlumberger

Cementing Service Report

Customer Sandridge			**Job Number** 1855869
Well Richard 3206 3-30H	**Location (legal)** Harper	**Schlumberger Location**	**Job Start** Oct/07/2013
Field Harper	**Formation Name/Type**	**Deviation**	**Bit Size** 8.8 in / **Well MD** 5147.0 ft / **Well TVD**
County Harper	**State/Province** Kansas	**BHP**	**BHST** / **BHCT** / **Pore Press. Gradient**
Well Master 0631496321	**API/UWI** 15077219640100		
Rig Name Horizon #15	**Drilled For** Oil & Gas	**Service Via** Land	
Offshore Zone	**Well Class** New	**Well Type** Development	
Drilling Fluid Type	**Max. Density**	**Plastic Viscosity**	
Service Line Cementing	**Job Type** Cem Interm Casing		
Max. Allowed Tub. Press 1339 psi	**Max. Allowed Ann. Press**	**WH Connection** Single Cement head	

Service Instructions

To provide services, equipment, materials and personnel to safely cement a 7" intermediate casing as per client request. Pump 30 bbls gel water (with J916ND), 200 sks lead slurry @13.6ppg, 100 sks tail slurry @15.6ppg, drop top plug and displace as per client approval.

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
5147.0	7.000	26.0	P110	8RD
0.0	0.000	0.0		

Tubing/Drill Pipe

Depth,	Size,	Weight,	Grade	Thread

Perforations/Open Hole

Top,	Bottom,		No. of Shots	Total Interval
				Diameter

Treat Down Casing	**Displacement** 193.8 bbl	**Packer Type**	**Packer Depth**
Tubing Vol.	**Casing Vol.** 197.1 bbl	**Annular Vol.**	**Openhole Vol.**

Casing/Tubing Secured [X]	**1 Hole Vol. Circulated prior to Cement** [X]	**Casing Tools**	**Squeeze Job**
Lift Pressure 611 psi		**Shoe Type** Float	**Squeeze Type**
Pipe Rotated [ ]	**Pipe Reciprocated** [ ]	**Shoe Depth** 5147.6 ft	**Tool Type**
No. Centralizers 4	**Top Plugs** 1 / **Bottom Plugs** 0	**Stage Tool Type**	**Tool Depth**
Cement Head Type Single		**Stage Tool Depth**	**Tail Pipe Size**
Job Scheduled For Oct/07/2013	**Arrived on Location** Oct/07/2013	**Leave Location** Oct/07/2013	**Collar Type** Float / **Collar Depth** 5059.1 ft / **Sqz. Total Vol.**

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/07/2013	02:11:20	-1	0.0	8.47	0.0	
10/07/2013	02:11:22					Start Job
10/07/2013	02:11:22	-1	0.0	8.47	0.0	
10/07/2013	02:12:51					Start Pumping Spacer
10/07/2013	02:12:51	-1	0.0	8.47	0.0	
10/07/2013	02:13:20	-1	0.0	8.47	0.0	
10/07/2013	02:15:20	92	2.0	8.43	2.3	
10/07/2013	02:17:07					Pressure Test Low 1000 PSI
10/07/2013	02:17:07	912	0.0	8.47	2.9	
10/07/2013	02:17:20	902	0.0	8.47	2.9	
10/07/2013	02:19:20	4920	0.0	8.47	3.0	
10/07/2013	02:20:15					Pressure Test High 5000 PSI
10/07/2013	02:20:15	5212	0.0	8.47	3.0	
10/07/2013	02:21:20	16	0.0	8.47	3.0	
10/07/2013	02:23:20	217	5.0	8.43	9.8	
10/07/2013	02:25:20	218	4.9	8.44	19.7	
10/07/2013	02:27:20	259	5.0	8.45	29.6	
10/07/2013	02:27:33					Reset Total, Vol = 30.69 bbl
10/07/2013	02:27:33	269	5.0	9.07	30.7	
10/07/2013	02:27:36					End Spacer
10/07/2013	02:27:36	243	4.9	9.76	30.9	

Well	Field	Job Start	Customer	Job Number
Richard 3206 3-30H	Harper	Oct/07/2013	Sandridge	1855869

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/07/2013	02:27:40	247	4.9	10.28	31.3	
10/07/2013	02:29:20	523	5.6	13.71	39.7	
10/07/2013	02:31:20	435	5.3	13.79	50.3	
10/07/2013	02:33:20	296	5.1	13.77	60.4	
10/07/2013	02:35:20	353	5.4	13.79	70.7	
10/07/2013	02:37:20	183	3.9	13.24	80.6	
10/07/2013	02:37:42					End Lead Slurry
10/07/2013	02:37:42	170	3.8	15.49	82.0	
10/07/2013	02:37:43					Start Mixing Tail Slurry
10/07/2013	02:37:43	195	3.7	15.49	82.1	
10/07/2013	02:37:46					Reset Total, Vol = 51.57 bbl
10/07/2013	02:37:46	329	4.2	15.45	82.3	
10/07/2013	02:39:20	346	5.2	15.80	89.6	
10/07/2013	02:41:20	198	3.9	15.50	100.2	
10/07/2013	02:42:41					Reset Total, Vol = 22.04 bbl
10/07/2013	02:42:41	10	0.0	15.93	104.3	
10/07/2013	02:42:43					End Tail Slurry
10/07/2013	02:42:43	9	0.0	15.93	104.3	
10/07/2013	02:42:44					Drop Top Plug
10/07/2013	02:42:44	10	0.0	15.92	104.3	
10/07/2013	02:42:45					Start Displacement
10/07/2013	02:42:45	9	0.0	15.92	104.3	
10/07/2013	02:43:20	9	0.0	15.89	104.3	
10/07/2013	02:45:20	9	0.0	15.91	104.3	
10/07/2013	02:47:20	144	5.0	8.80	110.3	
10/07/2013	02:49:20	127	4.9	8.51	120.2	
10/07/2013	02:51:20	149	5.7	2.72	131.2	
10/07/2013	02:53:20	95	5.6	8.46	142.7	
10/07/2013	02:55:20	119	6.0	8.46	154.5	
10/07/2013	02:57:20	213	6.0	8.46	166.4	
10/07/2013	02:59:20	151	5.9	8.46	178.3	
10/07/2013	03:01:20	104	5.9	8.46	190.2	
10/07/2013	03:03:20	93	5.9	8.46	202.2	
10/07/2013	03:05:20	120	6.0	8.46	214.0	
10/07/2013	03:07:20	92	5.9	8.46	225.9	
10/07/2013	03:09:20	191	5.9	8.46	237.8	
10/07/2013	03:11:20	181	5.9	8.46	249.8	
10/07/2013	03:13:20	567	6.0	8.46	261.7	
10/07/2013	03:15:20	584	5.9	8.46	273.6	
10/07/2013	03:17:20	854	6.0	8.46	285.5	
10/07/2013	03:19:20	569	2.8	8.46	292.5	
10/07/2013	03:21:20	646	2.7	8.46	298.1	
10/07/2013	03:23:20	676	2.8	8.46	303.6	
10/07/2013	03:25:12					Reset Total, Vol = 202.50 bbl
10/07/2013	03:25:12	1347	0.0	8.46	306.8	
10/07/2013	03:25:14					Bump Top Plug
10/07/2013	03:25:14					End Displacement
10/07/2013	03:25:14	1352	0.0	8.46	306.8	
10/07/2013	03:25:16					Check Floats
10/07/2013	03:25:16	1342	0.0	8.46	306.8	
10/07/2013	03:25:20	1344	0.0	8.46	306.8	
10/07/2013	03:27:20	1348	0.0	8.46	306.8	
10/07/2013	03:29:20	124	0.0	8.46	306.8	
10/07/2013	03:30:22					Floats held

Well	Field	Job Start	Customer	Job Number
Richard 3206 3-30H	Harper	Oct/07/2013	Sandridge	1855869

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
10/07/2013	03:30:23					End Job

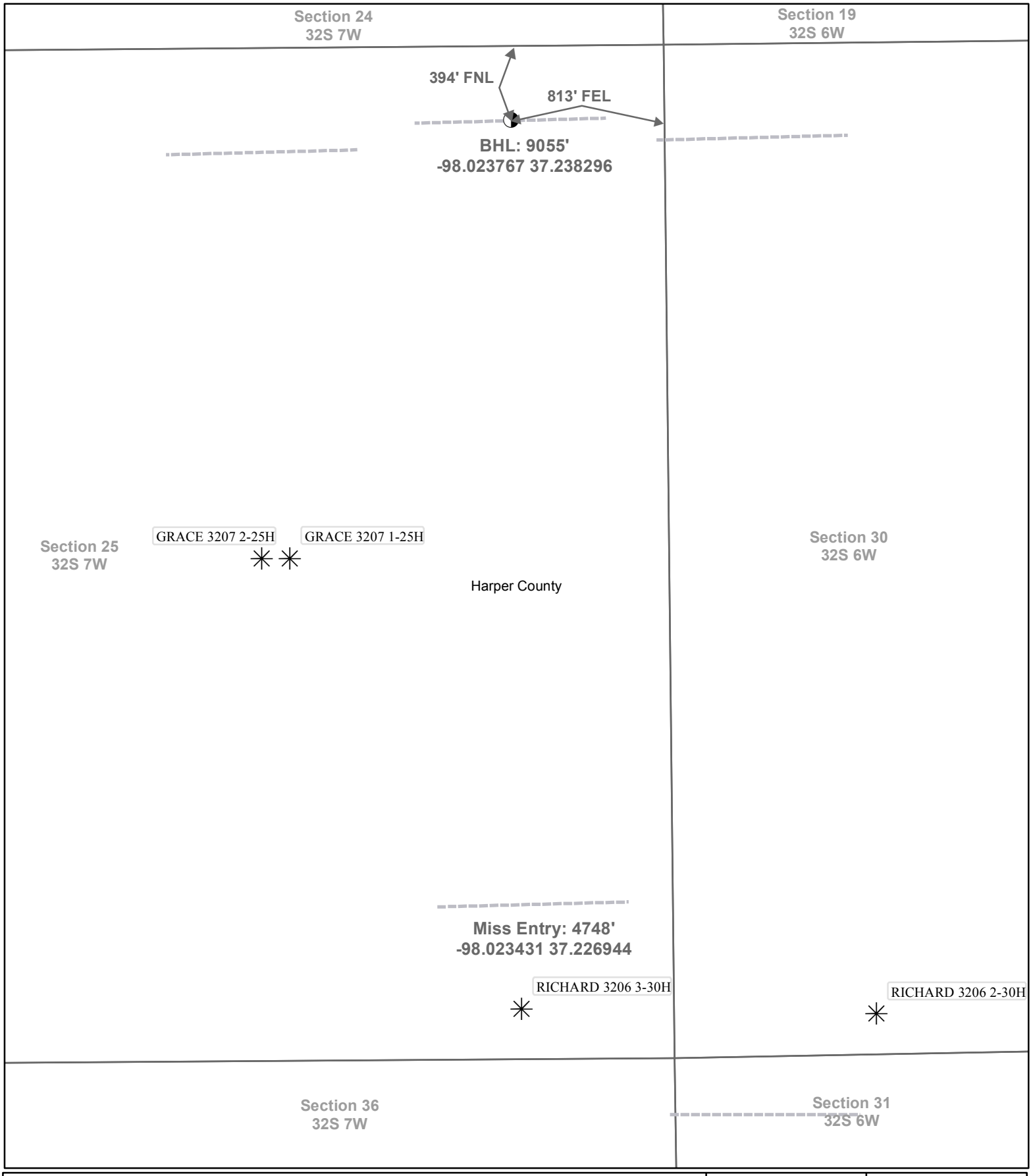
Post Job Summary

Average Pump Rates,				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
				72.8		30.0	

Treating Pressure Summary, psi					Breakdown Fluid		
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3500	1339	214	1339				

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume
		193.8 bbl		☐	
				Washed Thru Perfs ☐	To

Customer or Authorized Representative	Schlumberger Supervisor	Circulation Lost	Job Completed
Cody Davis	Dustin Green	-	- ☒



SANDRIDGE
THE POWER OF US

Actual BH Location

SandRidge Wells

Perf

Sections

Actual Bottom-Hole Location of Richard 3206 3-30H
LATERAL 1
T&R: 32S 7W
Section: 25, 813' FEL & 394' FNL
-98.023767 37.238296

1 in = 667 ft

0 500 1,000 2,000 Feet

N

Draftsman: Aaron Birk	Draft Date: 1/8/2014
Drawing Name/Number: Addendum_Richard 3206 3-30H 1L.mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Actual Wellpath Report

Sandridge Richard 3206 3-30H_Svy (25-Nov-2013).

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Richard 3206 3-30H SL 250 FSL 740 FEL**
Area	**Kansas**	Well	**Subject**
Field	**Harper County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Richard 3206 3-30H Lateral #1 Actual**
Facility	**Richard 3206 3-30H Sec.25-32S-7W**		

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	**0.29° East**	User	**Adammic**
Scale	**1.00001**	Report Generated	**25/Nov/2013** at **2:26:41 PM**
Wellbore last revised	**10-18-2013**	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**	**0.00**	2138801.00	203807.00	37°13'31.516"N	98°01'23.915"W
Facility Reference Pt			**2138801.00**	**203807.00**	37°13'31.516"N	98°01'23.915"W
Field Reference Pt			2132248.82	161602.28	**37°06'34.560"N**	**98°02'47.460"W**

WELLPATH DATUM			
Calculation method	**Minimum curvature**	Horizon 15 (RKB) to Facility Vertical Datum	**18.00ft**
Horizontal Reference Pt	**Slot**	Horizon 15 (RKB) to Mean Sea Level	**1427.00ft**
Vertical Reference Pt	**Horizon 15 (RKB)**	Horizon 15 (RKB) to Mud Line at Slot (Richard 3206 3-30H SL 250 FSL 740 FEL)	**18.00ft**
MD Reference Pt	**Horizon 15 (RKB)**	Section Origin	**N 0.00, E 0.00 ft**
Field Vertical Reference	**Mean Sea Level**	Section Azimuth	**0.83°**

Actual Wellpath Report

Sandridge Richard 3206 3-30H_Svy (25-Nov-2013).

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Richard 3206 3-30H SL 250 FSL 740 FEL**
Area	**Kansas**	Well	**Subject**
Field	**Harper County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Richard 3206 3-30H Lateral #1 Actual**
Facility	**Richard 3206 3-30H Sec.25-32S-7W**		

WELLPATH DATA (129 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
0.00†	0.000	94.990	0.00	0.00	0.00	0.00	2138801.00	203807.00	0.00	
18.00	0.000	94.990	18.00	0.00	0.00	0.00	2138801.00	203807.00	0.00	
786.00	0.500	94.990	785.99	-0.24	-0.29	3.34	2138804.34	203806.71	0.07	
879.00	0.620	68.490	878.99	-0.08	-0.14	4.21	2138805.21	203806.86	0.30	
970.00	0.400	57.300	969.98	0.28	0.21	4.94	2138805.94	203807.21	0.26	
1063.00	0.330	14.080	1062.98	0.72	0.65	5.27	2138806.27	203807.65	0.30	
1154.00	0.280	17.200	1153.98	1.19	1.11	5.40	2138806.40	203808.11	0.06	
1246.00	0.220	57.780	1245.98	1.50	1.42	5.62	2138806.62	203808.42	0.20	
1337.00	0.130	25.090	1336.98	1.69	1.61	5.81	2138806.81	203808.61	0.14	
1428.00	0.140	13.160	1427.98	1.89	1.81	5.88	2138806.88	203808.81	0.03	
1522.00	0.200	51.760	1521.98	2.11	2.02	6.04	2138807.04	203809.02	0.13	
1617.00	0.180	27.970	1616.98	2.35	2.26	6.24	2138807.24	203809.26	0.08	
1712.00	0.250	356.060	1711.98	2.69	2.60	6.29	2138807.29	203809.60	0.14	
1807.00	0.280	308.240	1806.98	3.03	2.95	6.09	2138807.09	203809.95	0.23	
1902.00	0.190	128.470	1901.98	3.08	2.99	6.04	2138807.04	203809.99	0.49	
1996.00	0.220	70.890	1995.97	3.05	2.95	6.33	2138807.33	203809.95	0.21	
2091.00	0.370	85.110	2090.97	3.14	3.04	6.81	2138807.81	203810.04	0.17	
2185.00	0.180	142.860	2184.97	3.05	2.95	7.20	2138808.20	203809.95	0.33	
2279.00	0.320	128.530	2278.97	2.78	2.67	7.49	2138808.49	203809.67	0.16	
2374.00	0.530	226.010	2373.97	2.30	2.20	7.38	2138808.38	203809.20	0.69	
2468.00	0.260	238.830	2467.97	1.88	1.78	6.89	2138807.89	203808.78	0.30	
2563.00	0.420	257.230	2562.97	1.69	1.60	6.36	2138807.36	203808.60	0.20	
2658.00	0.580	246.920	2657.96	1.41	1.33	5.58	2138806.58	203808.33	0.19	
2753.00	0.600	265.800	2752.96	1.17	1.10	4.64	2138805.64	203808.10	0.20	
2847.00	0.830	265.710	2846.95	1.07	1.02	3.47	2138804.47	203808.02	0.24	
2942.00	1.220	254.340	2941.93	0.72	0.69	1.81	2138802.81	203807.69	0.46	
3036.00	1.710	256.440	3035.90	0.09	0.09	-0.51	2138800.49	203807.09	0.52	
3131.00	1.650	250.070	3130.86	-0.75	-0.70	-3.18	2138797.82	203806.30	0.21	
3226.00	0.830	232.040	3225.84	-1.67	-1.59	-5.00	2138796.00	203805.41	0.95	
3321.00	0.900	214.650	3320.83	-2.72	-2.63	-5.97	2138795.03	203804.37	0.28	
3415.00	0.740	206.990	3414.82	-3.88	-3.78	-6.67	2138794.33	203803.22	0.21	
3510.00	1.360	211.380	3509.80	-5.40	-5.29	-7.53	2138793.47	203801.71	0.66	
3605.00	1.440	214.750	3604.77	-7.36	-7.23	-8.80	2138792.20	203799.77	0.12	
3692.00	1.240	218.930	3691.75	-9.01	-8.86	-10.01	2138790.99	203798.14	0.26	
3756.00	0.650	217.250	3755.74	-9.84	-9.69	-10.67	2138790.33	203797.31	0.92	
3788.00	1.610	10.550	3787.74	-9.55	-9.39	-10.70	2138790.30	203797.61	6.91	
3820.00	3.670	19.870	3819.70	-8.14	-7.99	-10.27	2138790.73	203799.01	6.55	
3824.00	3.850	19.180	3823.69	-7.89	-7.74	-10.18	2138790.82	203799.26	4.64	
3855.00	7.130	23.770	3854.55	-5.13	-5.00	-9.06	2138791.94	203802.00	10.67	
3887.00	10.180	17.390	3886.18	-0.59	-0.48	-7.41	2138793.59	203806.52	9.98	
3918.00	13.960	11.830	3916.49	5.71	5.80	-5.83	2138795.17	203812.80	12.74	
3950.00	17.950	8.340	3947.25	14.39	14.46	-4.32	2138796.68	203821.46	12.82	
3982.00	21.590	7.440	3977.36	25.14	25.18	-2.84	2138798.16	203832.18	11.41	
4013.00	25.290	7.600	4005.80	37.38	37.40	-1.23	2138799.77	203844.40	11.94	
4041.00	28.480	7.500	4030.77	49.95	49.95	0.43	2138801.43	203856.95	11.39	

Actual Wellpath Report

Sandridge Richard 3206 3-30H_Svy (25-Nov-2013).

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Richard 3206 3-30H SL 250 FSL 740 FEL**
Area	**Kansas**	Well	**Subject**
Field	**Harper County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Richard 3206 3-30H Lateral #1 Actual**
Facility	**Richard 3206 3-30H Sec.25-32S-7W**		

WELLPATH DATA (129 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
4072.00	30.480	9.900	4057.75	65.06	65.03	2.75	2138803.75	203872.03	7.49	
4104.00	32.410	12.660	4085.06	81.47	81.39	6.03	2138807.03	203888.39	7.52	
4135.00	34.790	14.580	4110.88	98.20	98.06	10.07	2138811.07	203905.06	8.41	
4166.00	35.820	14.480	4136.17	115.60	115.40	14.57	2138815.57	203922.40	3.33	
4198.00	36.400	13.340	4162.03	133.97	133.71	19.10	2138820.10	203940.71	2.77	
4230.00	36.560	12.470	4187.76	152.58	152.25	23.35	2138824.35	203959.25	1.69	
4261.00	36.650	11.430	4212.64	170.71	170.34	27.18	2138828.18	203977.34	2.02	
4293.00	38.920	10.070	4237.93	190.03	189.60	30.83	2138831.83	203996.60	7.56	
4324.00	41.860	8.100	4261.54	209.90	209.43	33.99	2138834.99	204016.43	10.34	
4356.00	44.450	6.400	4284.88	231.65	231.14	36.74	2138837.74	204038.14	8.87	
4387.00	46.660	5.200	4306.59	253.70	253.16	38.97	2138839.97	204060.16	7.65	
4419.00	49.060	6.010	4328.06	277.34	276.77	41.29	2138842.29	204083.77	7.73	
4450.00	51.500	6.870	4347.87	301.07	300.46	43.97	2138844.97	204107.46	8.15	
4482.00	54.540	7.320	4367.11	326.48	325.82	47.13	2138848.13	204132.83	9.57	
4514.00	57.170	7.130	4385.07	352.79	352.10	50.46	2138851.46	204159.10	8.23	
4545.00	59.280	6.590	4401.40	379.00	378.26	53.61	2138854.61	204185.26	6.97	
4576.00	62.370	6.800	4416.51	405.92	405.14	56.76	2138857.76	204212.14	9.99	
4608.00	65.320	6.550	4430.61	434.49	433.66	60.10	2138861.10	204240.67	9.25	
4640.00	67.900	6.520	4443.31	463.72	462.84	63.44	2138864.44	204269.84	8.06	
4671.00	70.120	6.490	4454.42	492.52	491.60	66.72	2138867.72	204298.60	7.16	
4702.00	73.360	6.740	4464.13	521.80	520.84	70.11	2138871.11	204327.84	10.48	
4734.00	76.660	7.350	4472.41	552.53	551.51	73.90	2138874.91	204358.51	10.48	
4766.00	79.440	7.780	4479.03	583.61	582.54	78.03	2138879.03	204389.54	8.79	
4797.00	82.500	5.620	4483.90	614.06	612.94	81.60	2138882.60	204419.94	12.03	
4829.00	85.990	6.470	4487.10	645.77	644.60	84.95	2138885.95	204451.60	11.22	
4860.00	87.440	6.280	4488.88	676.57	675.35	88.38	2138889.39	204482.36	4.72	
4892.00	87.690	6.730	4490.24	708.38	707.12	92.01	2138893.01	204514.12	1.61	
4923.00	87.900	6.520	4491.43	739.20	737.89	95.58	2138896.58	204544.89	0.96	
4955.00	87.970	6.460	4492.59	771.03	769.66	99.20	2138900.20	204576.67	0.29	
4986.00	88.090	7.100	4493.65	801.84	800.43	102.85	2138903.85	204607.43	2.10	
5018.00	88.240	7.300	4494.68	833.63	832.16	106.86	2138907.86	204639.17	0.78	
5049.00	89.260	6.040	4495.35	864.46	862.94	110.46	2138911.46	204669.95	5.23	
5080.00	90.430	2.820	4495.44	895.39	893.84	112.86	2138913.86	204700.85	11.05	
5112.00	91.020	0.910	4495.03	927.38	925.82	113.90	2138914.90	204732.83	6.25	
5149.00	91.050	0.440	4494.36	964.38	962.81	114.33	2138915.33	204769.82	1.27	
5180.00	91.260	0.220	4493.74	995.37	993.81	114.51	2138915.51	204800.81	0.98	
5210.00	89.780	0.360	4493.47	1025.37	1023.81	114.66	2138915.66	204830.81	4.96	
5241.00	88.460	0.360	4493.94	1056.36	1054.80	114.86	2138915.86	204861.81	4.26	
5271.00	86.920	359.930	4495.15	1086.33	1084.77	114.93	2138915.93	204891.78	5.33	
5302.00	86.610	0.030	4496.90	1117.28	1115.73	114.92	2138915.92	204922.73	1.05	
5333.00	87.350	358.600	4498.53	1148.23	1146.68	114.55	2138915.55	204953.69	5.19	
5364.00	87.900	358.620	4499.82	1179.18	1177.64	113.80	2138914.80	204984.65	1.78	
5394.00	89.050	0.460	4500.62	1209.16	1207.63	113.56	2138914.56	205014.64	7.23	
5425.00	89.290	0.740	4501.07	1240.15	1238.62	113.89	2138914.89	205045.63	1.19	
5456.00	89.720	0.860	4501.33	1271.15	1269.62	114.32	2138915.32	205076.63	1.44	

Actual Wellpath Report

Sandridge Richard 3206 3-30H_Svy (25-Nov-2013).

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Richard 3206 3-30H SL 250 FSL 740 FEL**
Area	**Kansas**	Well	**Subject**
Field	**Harper County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Richard 3206 3-30H Lateral #1 Actual**
Facility	**Richard 3206 3-30H Sec.25-32S-7W**		

WELLPATH DATA (129 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
5487.00	89.600	1.330	4501.52	1302.15	1300.61	114.91	2138915.91	205107.62	1.56	
5517.00	88.950	0.890	4501.90	1332.15	1330.61	115.49	2138916.49	205137.61	2.62	
5607.00	89.820	2.060	4502.86	1422.13	1420.57	117.81	2138918.81	205227.58	1.62	
5700.00	89.570	2.030	4503.36	1515.11	1513.51	121.13	2138922.13	205320.52	0.27	
5792.00	89.050	1.970	4504.47	1607.09	1605.44	124.34	2138925.34	205412.46	0.57	
5884.00	89.910	1.040	4505.30	1699.07	1697.41	126.75	2138927.75	205504.42	1.38	
5976.00	90.090	359.360	4505.30	1791.06	1789.40	127.07	2138928.08	205596.41	1.84	
6067.00	90.060	358.950	4505.18	1882.03	1880.39	125.73	2138926.73	205687.41	0.45	
6158.00	90.800	359.610	4504.50	1972.99	1971.38	124.59	2138925.59	205778.40	1.09	
6249.00	91.170	359.770	4502.94	2063.96	2062.37	124.10	2138925.10	205869.38	0.44	
6344.00	91.260	1.050	4500.92	2158.93	2157.34	124.78	2138925.78	205964.36	1.35	
6439.00	89.820	358.510	4500.03	2253.90	2252.33	124.41	2138925.41	206059.34	3.07	
6535.00	90.220	358.500	4499.99	2349.82	2348.29	121.91	2138922.91	206155.31	0.42	
6630.00	90.490	358.270	4499.40	2444.73	2443.25	119.23	2138920.23	206250.27	0.37	
6724.00	91.880	359.850	4497.46	2538.66	2537.22	117.69	2138918.69	206344.23	2.24	
6820.00	91.320	359.590	4494.78	2634.60	2633.18	117.22	2138918.22	206440.19	0.64	
6916.00	89.630	357.540	4493.98	2730.52	2729.13	114.81	2138915.81	206536.15	2.77	
7011.00	89.750	357.520	4494.50	2825.36	2824.05	110.72	2138911.72	206631.06	0.13	
7106.00	90.460	358.450	4494.32	2920.24	2918.98	107.38	2138908.38	206726.00	1.23	
7202.00	89.260	357.500	4494.56	3016.12	3014.92	103.99	2138904.99	206821.94	1.59	
7297.00	89.290	357.090	4495.76	3110.93	3109.81	99.50	2138900.51	206916.83	0.43	
7392.00	89.230	356.010	4496.99	3205.65	3204.63	93.79	2138894.79	207011.65	1.14	
7487.00	90.770	356.490	4496.99	3300.35	3299.42	87.58	2138888.58	207106.44	1.70	
7581.00	92.470	356.700	4494.33	3394.05	3393.21	81.99	2138883.00	207200.23	1.82	
7676.00	88.770	357.820	4493.30	3488.84	3488.08	77.45	2138878.46	207295.10	4.07	
7771.00	90.180	358.190	4494.17	3583.72	3583.02	74.15	2138875.15	207390.04	1.53	
7866.00	90.280	359.630	4493.79	3678.66	3678.00	72.34	2138873.34	207485.02	1.52	
7961.00	91.480	359.880	4492.33	3773.63	3772.98	71.93	2138872.93	207580.01	1.29	
8056.00	92.460	0.590	4489.07	3868.57	3867.92	72.32	2138873.32	207674.95	1.27	
8150.00	90.830	0.500	4486.37	3962.52	3961.88	73.22	2138874.22	207768.90	1.74	
8245.00	91.880	359.700	4484.12	4057.49	4056.85	73.38	2138874.38	207863.87	1.39	
8339.00	93.880	0.180	4479.40	4151.35	4150.72	73.28	2138874.29	207957.75	2.19	
8434.00	94.350	0.230	4472.58	4246.10	4245.48	73.62	2138874.62	208052.51	0.50	
8529.00	91.200	359.070	4467.98	4340.96	4340.35	73.04	2138874.04	208147.38	3.53	
8624.00	91.110	359.490	4466.07	4435.90	4435.33	71.85	2138872.85	208242.35	0.45	
8719.00	90.620	358.280	4464.63	4530.83	4530.29	70.00	2138871.00	208337.32	1.37	
8814.00	92.310	358.810	4462.20	4625.72	4625.23	67.59	2138868.59	208432.26	1.86	
8862.00	93.080	358.970	4459.95	4673.64	4673.17	66.66	2138867.66	208480.20	1.64	
8915.00	93.080	358.970	4457.10	4726.54	4726.08	65.71	2138866.71	208533.11	0.00	**ABHL 8915 MD (4457 TVD) X:2138867 Y:208533 VS:4727 351 FNL 663 FEL**

Actual Wellpath Report

Sandridge Richard 3206 3-30H_Svy (25-Nov-2013).

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REFERENCE WELLPATH IDENTIFICATION			
Operator	**Sandridge Energy**	Slot	**Richard 3206 3-30H SL 250 FSL 740 FEL**
Area	**Kansas**	Well	**Subject**
Field	**Harper County, Kansas (Sandridge Energy) NAD27 / Grid**	Wellbore	**Richard 3206 3-30H Lateral #1 Actual**
Facility	**Richard 3206 3-30H Sec.25-32S-7W**		

HOLE & CASING SECTIONS - **Ref Wellbore: Richard 3206 3-30H Lateral #1 Actual** **Ref Wellpath: Richard 3206 3-30H Lateral 1 actual svy (Final)**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
6in Open Hole	0.00	10000.00	10000.00	0.00	NA	0.00	0.00	NA	NA

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Richard 3206 3-30H PBHL Lateral #1		4457.49	4736.97	69.00	**2138870.00**	**208544.00**	37°14'18.348"N	98°01'22.762"W	point

WELLPATH COMPOSITION - **Ref Wellbore: Richard 3206 3-30H Lateral #1 Actual** **Ref Wellpath: Richard 3206 3-30H Lateral 1 actual svy (Final)**

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	8862.00	NaviTrak (Standard)	Inteq MWD	Richard 3206 3-30H Lateral #1 Actual
8862.00	8915.00	Blind Drilling (std)	Projection to bit	Richard 3206 3-30H Lateral #1 Actual