



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1159538
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: _____



1159538

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	LIT Trust 3508 4-14H
Doc ID	1159538

All Electric Logs Run

Boresight
Prizm Log
Nuclear
Resistivity
Mud Log

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	LIT Trust 3508 4-14H
Doc ID	1159538

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9551-9866	1500 bbls 15% HCL, 5769 bbls slickwater; TLTR 5930 bbls	
5	9182-9490	1500 bbls 15% HCL, 5731 bbls slickwater; TLTR 11724 bbls	
5	8776-9108	1500 bbls 15% HCL, 5837 bbls slickwater; TLTR 17668 bbls	
5	8421-8734	1500 bbls 15% HCL, 5696 bbls slickwater; TLTR 23763 bbls	
5	8004-8350	1500 bbls 15% HCL, 5712 bbls slickwater; TLTR 29533 bbls	
5	7590-7926	1500 bbls 15% HCL, 5766 bbls slickwater; TLTR 35342 bbls	
5	7225-7482	1500 bbls 15% HCL, 5650 bbls slickwater; TLTR 41104 bbls	
5	6747-7062	1500 bbls 15% HCL, 5371 bbls slickwater; TLTR 46568 bbls	
5	6355-6652	1500 bbls 15% HCL, 5387 bbls slickwater; TLTR 52029 bbls	
5	6021-6286	1500 bbls 15% HCL, 5162 bbls slickwater; TLTR 57263 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	LIT Trust 3508 4-14H
Doc ID	1159538

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5682-5876	1500 bbls 15% HCL, 5724 bbls slickwater; TLTR 63044 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

September 24, 2013

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

Re: ACO1
API 15-077-21959-01-00
LIT Trust 3508 4-14H
SW/4 Sec.14-35S-08W
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

Sandridge Energy, INC.(mid-con.)

Harper Co. (KS27S)

Sec 14-T35S-R08W

LIT Trust 3508 4-14H/Job # 04430-431-22/Horizon 15

Wellbore #1

Design: Wellbore #1

Standard Survey Report

23 September, 2013

Archer Survey Report

Company: Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference: Well LIT Trust 3508 4-14H/Job # 04430-431-22/Horizon 15
Project: Harper Co. (KS27S)	TVD Reference: WELL @ 1272.0usft (Original Well Elev)
Site: Sec 14-T35S-R08W	MD Reference: WELL @ 1272.0usft (Original Well Elev)
Well: LIT Trust 3508 4-14H/Job # 04430-431-22/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 14-T35S-R08W					
Site Position:		Northing:	124,136.00 usft	Latitude:	37° 0' 25.561 N
From: Map		Easting:	2,098,087.00 usft	Longitude:	98° 9' 50.831 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.21 °

Well LIT Trust 3508 4-14H/Job # 04430-431-22/Horizon 15						
Well Position	+N/-S	0.0 usft	Northing:	121,430.00 usft	Latitude:	36° 59' 58.769 N
	+E/-W	0.0 usft	Easting:	2,099,135.00 usft	Longitude:	98° 9' 38.033 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	1,254.0 usft

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2013/09/03	4.52	65.10	51,652

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	10.33	

Survey Program		Date 2013/09/23		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
250.0	782.0	Single Shot (Wellbore #1)	MWD	MWD - Standard
861.0	9,936.0	Archer MWD Survey (Wellbore #1)	MWD	MWD - Standard

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	
250.0	0.60	191.20	250.0	-1.3	-0.3	-1.3	0.24	0.24	0.00	
First Single Shot MWD Survey										
500.0	0.50	191.20	500.0	-3.6	-0.7	-3.7	0.04	-0.04	0.00	
782.0	0.70	191.20	782.0	-6.5	-1.3	-6.7	0.07	0.07	0.00	
Last Single Shot MWD Survey										
861.0	0.80	191.20	861.0	-7.5	-1.5	-7.7	0.13	0.13	0.00	
First Archer MWD Survey										

Archer

Survey Report

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well LIT Trust 3508 4-14H/Job # 04430-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1272.0usft (Original Well Elev)
Site:	Sec 14-T35S-R08W	MD Reference:	WELL @ 1272.0usft (Original Well Elev)
Well:	LIT Trust 3508 4-14H/Job # 04430-431-22/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)
951.0	0.80	166.60	951.0	-8.8	-1.5	-8.9	0.38	0.00	-27.33
1,043.0	1.80	156.50	1,042.9	-10.7	-0.7	-10.7	1.11	1.09	-10.98
1,135.0	4.30	124.70	1,134.8	-14.0	2.7	-13.3	3.18	2.72	-34.57
1,227.0	6.90	119.60	1,226.3	-18.7	10.3	-16.6	2.87	2.83	-5.54
1,317.0	8.70	113.60	1,315.5	-24.1	21.2	-19.9	2.19	2.00	-6.67
1,409.0	11.20	109.50	1,406.1	-29.9	36.0	-22.9	2.82	2.72	-4.46
1,504.0	12.70	110.20	1,499.1	-36.6	54.5	-26.2	1.59	1.58	0.74
1,598.0	14.20	107.50	1,590.5	-43.6	75.2	-29.4	1.73	1.60	-2.87
1,693.0	16.90	107.30	1,682.0	-51.2	99.5	-32.5	2.84	2.84	-0.21
1,788.0	15.80	106.00	1,773.2	-58.9	125.2	-35.5	1.22	-1.16	-1.37
1,883.0	15.10	105.30	1,864.7	-65.7	149.5	-37.8	0.76	-0.74	-0.74
1,978.0	13.80	103.10	1,956.7	-71.5	172.5	-39.5	1.49	-1.37	-2.32
2,073.0	14.30	104.10	2,048.9	-77.0	194.9	-40.8	0.59	0.53	1.05
2,169.0	15.10	106.70	2,141.7	-83.5	218.4	-42.9	1.08	0.83	2.71
2,264.0	14.60	104.30	2,233.6	-90.0	241.8	-45.2	0.83	-0.53	-2.53
2,359.0	15.60	109.10	2,325.3	-97.1	265.5	-47.9	1.68	1.05	5.05
2,454.0	15.20	107.70	2,416.9	-105.1	289.5	-51.5	0.57	-0.42	-1.47
2,549.0	13.30	115.00	2,509.0	-113.5	311.2	-55.8	2.75	-2.00	7.68
2,642.0	13.60	114.70	2,599.4	-122.6	330.9	-61.3	0.33	0.32	-0.32
2,737.0	14.60	112.90	2,691.5	-131.9	352.0	-66.6	1.15	1.05	-1.89
2,831.0	14.20	111.40	2,782.6	-140.7	373.7	-71.4	0.58	-0.43	-1.60
2,927.0	16.70	112.00	2,875.1	-150.2	397.4	-76.5	2.61	2.60	0.63
3,022.0	15.70	110.30	2,966.3	-159.7	422.1	-81.5	1.16	-1.05	-1.79
3,117.0	13.60	103.80	3,058.2	-166.9	445.1	-84.4	2.80	-2.21	-6.84
3,211.0	13.10	108.50	3,149.7	-172.9	465.9	-86.6	1.27	-0.53	5.00
3,306.0	13.80	111.40	3,242.1	-180.4	486.6	-90.3	1.02	0.74	3.05
3,401.0	14.10	110.70	3,334.3	-188.7	508.0	-94.5	0.36	0.32	-0.74
3,496.0	14.90	110.20	3,426.3	-197.0	530.3	-98.7	0.85	0.84	-0.53
3,589.0	15.40	109.50	3,516.0	-205.2	553.2	-102.7	0.57	0.54	-0.75
3,684.0	13.60	106.60	3,608.0	-212.6	575.8	-106.0	2.04	-1.89	-3.05
3,779.0	14.60	110.30	3,700.2	-220.0	597.7	-109.3	1.42	1.05	3.89
3,873.0	17.10	115.60	3,790.6	-230.1	621.3	-115.0	3.07	2.66	5.64
3,968.0	14.30	110.50	3,882.0	-240.2	644.9	-120.7	3.28	-2.95	-5.37
4,062.0	14.80	108.40	3,973.0	-248.1	667.1	-124.4	0.77	0.53	-2.23
4,094.0	13.80	106.40	4,004.0	-250.4	674.7	-125.4	3.49	-3.13	-6.25
4,125.0	13.10	104.80	4,034.2	-252.4	681.6	-126.1	2.56	-2.26	-5.16
4,157.0	14.30	101.20	4,065.3	-254.1	689.0	-126.4	4.60	3.75	-11.25
4,189.0	14.50	90.60	4,096.3	-254.9	696.9	-125.8	8.25	0.63	-33.13
4,220.0	15.20	78.20	4,126.2	-254.1	704.8	-123.6	10.48	2.26	-40.00
4,252.0	16.20	67.40	4,157.0	-251.5	713.0	-119.6	9.64	3.13	-33.75
4,284.0	16.90	57.90	4,187.7	-247.3	721.0	-114.1	8.72	2.19	-29.69
4,315.0	17.40	51.20	4,217.4	-242.0	728.5	-107.5	6.57	1.61	-21.61
4,346.0	17.10	47.60	4,247.0	-236.0	735.5	-100.4	3.58	-0.97	-11.61

Archer

Survey Report

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well LIT Trust 3508 4-14H/Job # 04430-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1272.0usft (Original Well Elev)
Site:	Sec 14-T35S-R08W	MD Reference:	WELL @ 1272.0usft (Original Well Elev)
Well:	LIT Trust 3508 4-14H/Job # 04430-431-22/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)	
4,378.0	17.60	44.60	4,277.5	-229.4	742.3	-92.6	3.20	1.56	-9.38	
4,410.0	18.80	41.10	4,307.9	-222.1	749.1	-84.2	5.07	3.75	-10.94	
4,442.0	20.40	38.90	4,338.0	-213.9	756.0	-74.9	5.51	5.00	-6.88	
4,473.0	22.80	34.80	4,366.9	-204.7	762.8	-64.7	9.14	7.74	-13.23	
4,505.0	24.70	30.60	4,396.2	-193.9	769.8	-52.7	7.95	5.94	-13.13	
4,536.0	26.10	27.20	4,424.2	-182.2	776.2	-40.1	6.52	4.52	-10.97	
4,567.0	27.20	24.00	4,451.9	-169.7	782.2	-26.7	5.83	3.55	-10.32	
4,599.0	28.90	21.10	4,480.1	-155.8	787.9	-12.0	6.81	5.31	-9.06	
4,631.0	30.50	20.50	4,507.9	-141.0	793.6	3.6	5.09	5.00	-1.88	
4,663.0	32.00	17.50	4,535.3	-125.3	799.0	20.0	6.75	4.69	-9.38	
4,694.0	34.50	15.00	4,561.2	-109.0	803.7	36.9	9.20	8.06	-8.06	
4,726.0	36.90	12.40	4,587.2	-90.8	808.1	55.5	8.87	7.50	-8.13	
4,757.0	39.40	9.80	4,611.6	-72.0	811.8	74.7	9.58	8.06	-8.39	
4,788.0	41.70	8.20	4,635.1	-52.1	814.9	94.8	8.14	7.42	-5.16	
4,820.0	44.20	6.40	4,658.5	-30.5	817.7	116.6	8.70	7.81	-5.63	
4,851.0	47.40	5.20	4,680.1	-8.4	819.9	138.7	10.69	10.32	-3.87	
4,883.0	49.50	4.50	4,701.4	15.5	822.0	162.6	6.76	6.56	-2.19	
4,915.0	52.10	3.90	4,721.6	40.2	823.8	187.2	8.25	8.13	-1.88	
4,946.0	55.40	4.60	4,739.9	65.1	825.6	212.1	10.80	10.65	2.26	
4,977.0	58.40	5.20	4,756.8	91.0	827.8	237.9	9.81	9.68	1.94	
5,009.0	61.60	5.40	4,772.8	118.6	830.4	265.5	10.01	10.00	0.63	
5,040.0	65.50	6.00	4,786.6	146.2	833.2	293.2	12.70	12.58	1.94	
5,072.0	69.30	6.00	4,798.9	175.6	836.3	322.6	11.88	11.88	0.00	
5,103.0	72.40	6.20	4,809.1	204.7	839.4	351.8	10.02	10.00	0.65	
5,135.0	75.40	6.20	4,818.0	235.2	842.7	382.5	9.38	9.38	0.00	
5,167.0	78.40	6.70	4,825.2	266.2	846.2	413.6	9.50	9.38	1.56	
5,199.0	80.90	5.90	4,831.0	297.5	849.6	445.0	8.19	7.81	-2.50	
5,231.0	83.80	4.90	4,835.2	329.1	852.6	476.6	9.58	9.06	-3.13	
5,262.0	86.30	4.20	4,837.9	359.9	855.1	507.3	8.37	8.06	-2.26	
5,294.0	87.10	3.80	4,839.8	391.7	857.3	539.1	2.79	2.50	-1.25	
5,325.0	87.50	3.80	4,841.2	422.6	859.4	569.8	1.29	1.29	0.00	
5,356.0	88.00	4.10	4,842.4	453.5	861.5	600.6	1.88	1.61	0.97	
5,388.0	88.40	4.10	4,843.4	485.4	863.8	632.4	1.25	1.25	0.00	
5,420.0	89.00	3.90	4,844.2	517.3	866.0	664.2	1.98	1.88	-0.63	
5,452.0	88.80	4.00	4,844.8	549.3	868.2	696.0	0.70	-0.63	0.31	
5,674.0	87.40	6.20	4,852.1	770.2	887.9	916.9	1.17	-0.63	0.99	
5,769.0	90.00	5.00	4,854.3	864.7	897.2	1,011.6	3.01	2.74	-1.26	
5,863.0	90.20	1.30	4,854.1	958.6	902.4	1,104.8	3.94	0.21	-3.94	
5,959.0	94.80	359.90	4,849.9	1,054.5	903.4	1,199.3	5.01	4.79	-1.46	
6,054.0	95.00	359.50	4,841.8	1,149.1	902.9	1,292.4	0.47	0.21	-0.42	
6,149.0	94.20	359.70	4,834.2	1,243.8	902.2	1,385.4	0.87	-0.84	0.21	
6,242.0	90.20	358.50	4,830.6	1,336.7	900.8	1,476.5	4.49	-4.30	-1.29	

Archer

Survey Report

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well LIT Trust 3508 4-14H/Job # 04430-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1272.0usft (Original Well Elev)
Site:	Sec 14-T35S-R08W	MD Reference:	WELL @ 1272.0usft (Original Well Elev)
Well:	LIT Trust 3508 4-14H/Job # 04430-431-22/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)
6,337.0	90.00	358.50	4,830.5	1,431.7	898.3	1,569.5	0.21	-0.21	0.00
6,432.0	91.30	359.10	4,829.4	1,526.6	896.3	1,662.6	1.51	1.37	0.63
6,527.0	91.60	358.90	4,827.0	1,621.6	894.6	1,755.7	0.38	0.32	-0.21
6,622.0	91.20	358.30	4,824.7	1,716.5	892.3	1,848.7	0.76	-0.42	-0.63
6,716.0	91.60	357.90	4,822.4	1,810.5	889.2	1,940.5	0.60	0.43	-0.43
6,811.0	90.30	359.10	4,820.8	1,905.4	886.7	2,033.5	1.86	-1.37	1.26
6,905.0	90.20	0.30	4,820.4	1,999.4	886.2	2,125.9	1.28	-0.11	1.28
7,000.0	90.30	0.00	4,820.0	2,094.4	886.5	2,219.4	0.33	0.11	-0.32
7,095.0	90.30	359.40	4,819.5	2,189.4	886.0	2,312.8	0.63	0.00	-0.63
7,189.0	90.10	359.10	4,819.2	2,283.4	884.7	2,405.0	0.38	-0.21	-0.32
7,283.0	90.30	358.70	4,818.8	2,377.4	882.9	2,497.1	0.48	0.21	-0.43
7,378.0	90.10	358.60	4,818.5	2,472.3	880.7	2,590.2	0.24	-0.21	-0.11
7,472.0	90.00	357.70	4,818.4	2,566.3	877.6	2,682.1	0.96	-0.11	-0.96
7,567.0	90.80	0.60	4,817.7	2,661.3	876.2	2,775.2	3.17	0.84	3.05
7,685.0	91.60	0.20	4,815.3	2,779.2	877.1	2,891.4	0.76	0.68	-0.34
7,780.0	93.20	359.70	4,811.3	2,874.2	877.0	2,984.8	1.76	1.68	-0.53
7,874.0	92.50	1.20	4,806.6	2,968.0	877.7	3,077.3	1.76	-0.74	1.60
7,969.0	91.70	1.80	4,803.1	3,062.9	880.2	3,171.1	1.05	-0.84	0.63
8,064.0	90.80	2.10	4,801.1	3,157.9	883.4	3,265.1	1.00	-0.95	0.32
8,159.0	90.00	2.80	4,800.4	3,252.8	887.5	3,359.2	1.12	-0.84	0.74
8,253.0	90.60	2.60	4,799.9	3,346.7	891.9	3,452.3	0.67	0.64	-0.21
8,348.0	88.30	3.30	4,800.8	3,441.5	896.8	3,546.5	2.53	-2.42	0.74
8,443.0	88.80	2.60	4,803.2	3,536.4	901.7	3,640.7	0.91	0.53	-0.74
8,538.0	88.30	2.70	4,805.6	3,631.2	906.1	3,734.8	0.54	-0.53	0.11
8,632.0	88.80	0.80	4,808.0	3,725.2	909.0	3,827.8	2.09	0.53	-2.02
8,728.0	90.20	359.90	4,808.9	3,821.1	909.5	3,922.3	1.73	1.46	-0.94
8,822.0	91.90	358.80	4,807.1	3,915.1	908.5	4,014.6	2.15	1.81	-1.17
8,917.0	91.70	358.40	4,804.1	4,010.0	906.2	4,107.5	0.47	-0.21	-0.42
9,012.0	91.40	358.40	4,801.6	4,105.0	903.5	4,200.4	0.32	-0.32	0.00
9,107.0	92.00	358.90	4,798.8	4,199.9	901.3	4,293.4	0.82	0.63	0.53
9,201.0	93.70	358.60	4,794.1	4,293.8	899.2	4,385.4	1.84	1.81	-0.32
9,296.0	93.30	0.40	4,788.3	4,388.6	898.4	4,478.5	1.94	-0.42	1.89
9,391.0	91.70	1.60	4,784.1	4,483.5	900.1	4,572.2	2.10	-1.68	1.26
9,485.0	90.40	2.10	4,782.4	4,577.4	903.1	4,665.1	1.48	-1.38	0.53
9,581.0	88.70	1.80	4,783.2	4,673.3	906.4	4,760.1	1.80	-1.77	-0.31
9,676.0	89.10	1.80	4,785.0	4,768.3	909.3	4,854.0	0.42	0.42	0.00
9,770.0	88.20	0.90	4,787.2	4,862.2	911.5	4,946.9	1.35	-0.96	-0.96
9,876.0	87.50	0.70	4,791.2	4,968.1	913.0	5,051.3	0.69	-0.66	-0.19
Last Archer MWD Survey									
9,936.0	87.50	0.70	4,793.8	5,028.1	913.8	5,110.4	0.00	0.00	0.00
Projection to TD - PBHL LIT Trust 4-14H									

Archer Survey Report

Company:	Sandridge Energy, INC.(mid-con.)	Local Co-ordinate Reference:	Well LIT Trust 3508 4-14H/Job # 04430-431-22/Horizon 15
Project:	Harper Co. (KS27S)	TVD Reference:	WELL @ 1272.0usft (Original Well Elev)
Site:	Sec 14-T35S-R08W	MD Reference:	WELL @ 1272.0usft (Original Well Elev)
Well:	LIT Trust 3508 4-14H/Job # 04430-431-22/Horizon 15	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
250.0	250.0	-1.3	-0.3	First Single Shot MWD Survey
782.0	782.0	-6.5	-1.3	Last Single Shot MWD Survey
861.0	861.0	-7.5	-1.5	First Archer MWD Survey
9,876.0	4,791.2	4,968.1	913.0	Last Archer MWD Survey
9,936.0	4,793.8	5,028.1	913.8	Projection to TD

Checked By: _____	Approved By: _____	Date: _____
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Mid-Continent Conductor, LLC

Invoice

P.O. Box 1570
Woodward, OK 73802

Phone: (580)254-5400
Fax: (580)254-3242

Date	Invoice #
9/4/2013	2107

Bill To
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
Carl Miller	Net 30	9/4/2013	LIT Trust 3508 4-14H, Harper Cnty, KS	Horizon 15

Item	Quantity	Description
Conductor Hole	40	Drilled 40 ft. conductor hole
20" Pipe	40	Furnished 40 ft. of 20 inch conductor pipe
Mouse Hole	80	Drilled 80 ft. mouse hole
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe
Cellar Hole	1	Drilled 6' X 6' cellar hole
6' X 6' Tinhorn	1	Furnished and set 6' X 6' tinhorn
Mud and Water	1	Furnished mud and water
Transport Truck - Conductor	1	Transport mud and water to location
Grout & Trucking	8	Furnished grout and trucking to location
Grout Pump	1	Furnished grout pump
Fence Panels	1	Furnished safety netting around conductor holes
Welder & Materials	1	Furnished welder and materials
Dirt Removal	1	Furnished labor and equipment for dirt removal
Cover Plate	1	Furnished cover plates
Permits	1	Permits
		Subtotal
		\$13,530.00
		Sales Tax (0.0%)
		\$0.00
		Total
		\$13,530.00



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Cementing Service Report

REGULATORY DEPT
SANDRIDGE ENERGY

Customer Sandridge				Job Number CDL7-00357					
Well Lit Trust 3508 4-14H 2508 4-14H		Location (legal) Horizon 15		Schlumberger-Location EL RENO		Job-Start Sep/07/2013			
Field Mississippi Lime		Formation Name/Type Shale		Deviation		Bit Size 12.3 in	Well MD 782.0 ft	Well TVD 782.0 ft	
County Harper		State/Province Kansas		BHP	BHST 89 degF	BHCT 85 degF	Pore Press. Gradient		
Well Master 0631488460		API/UWI		Casing/Liner					
Rig Name Horizon 15	Drilled For Oil & Gas	Service Via Land	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class New	Well Type Development	781.0	9.630	36.0	J55	8RD		
0.0	0.000	0.0							
Drilling Fluid Type Bentonite		Max. Density 8.60 lb/gal	Plastic Viscosity 33.000 cP	Tubing/Drill Pipe					
Depth,	Size,	Weight,	Grade	Thread					
Service Line Cementing	Job Type 9 5/8 surface								
Max. Allowed Tub. Press 5000 psi	Max. Allowed Ann. Press	WH Connection Single Cement head	Perforations/Open Hole						
Top,	Bottom,		No. of Shots	Total Interval					
Service Instructions							Diameter		
Treat Down Casing	Displacement 57.0 bbl	Packer Type	Packer Depth						
Tubing Vol.	Casing Vol. 60.4 bbl	Annular Vol.	Openhole Vol.						
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools			Squeeze Job		
Lift Pressure 300 psi		Shoe Type Guide		Squeeze Type					
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth 781.0 ft		Tool Type			
No. Centralizers 4	Top Plugs 1	Bottom Plugs	Stage Tool Type		Tool Depth				
Cement Head Type Single		Stage Tool Depth		Tail Pipe Size					
Job Scheduled For Sep/07/2013	Arrived on Location Sep/07/2013	Leave Location Sep/07/2013	Collar Type Float		Tail Pipe Depth				
Collar Depth 737.1 ft	Sqz. Total Vol.								
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/07/2013	20:25:27					Started Acquisition			
09/07/2013	21:45:34	-3	0.1	8.40	0.0				
09/07/2013	21:45:39					Safety meeting			
09/07/2013	21:45:39					Rip up rig floor			
09/07/2013	21:45:39	-3	0.1	8.40	0.0				
09/07/2013	21:45:40					Flush lines			
09/07/2013	21:45:40	-3	0.1	8.40	0.0				
09/07/2013	21:45:57	-3	0.1	8.40	0.1				
09/07/2013	21:46:27	-3	0.1	8.40	0.1				
09/07/2013	21:46:57	-3	0.1	8.40	0.2				
09/07/2013	21:47:27	-3	0.1	8.40	0.3				
09/07/2013	21:47:57	-3	0.1	8.40	0.3				
09/07/2013	21:48:27	-5	0.1	8.40	0.4				
09/07/2013	21:48:57	-5	0.1	8.40	0.5				
09/07/2013	21:49:27	-5	0.1	8.40	0.5				
09/07/2013	21:49:57	-5	0.1	8.40	0.6				
09/07/2013	21:50:27	-5	0.1	8.40	0.7				
09/07/2013	21:50:57	-4	0.5	8.38	0.7				
09/07/2013	21:51:27	44	2.8	8.39	1.7				
09/07/2013	21:51:57	43	2.8	8.40	3.1				
09/07/2013	21:52:27	42	2.8	8.40	4.5				

Well		Field	Job Start	Customer	Job Number	
Lic Trust 3508 4-14H 2508 4-14H		Mississippi Lime	Sep/07/2013	Sandridge	CDL7-00357	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
09/07/2013	21:53:27	1257	0.0	8.40	5.1	
09/07/2013	21:53:36					Low psi test
09/07/2013	21:53:36	1254	0.0	8.40	5.1	
09/07/2013	21:53:57	2834	0.0	8.40	5.1	
09/07/2013	21:54:27	4759	0.0	8.40	5.1	
09/07/2013	21:54:57	4702	0.0	8.40	5.1	
09/07/2013	21:55:11					Psi test
09/07/2013	21:55:11	4692	0.0	8.40	5.1	
09/07/2013	21:55:27	4677	0.0	8.40	5.1	
09/07/2013	21:55:43					Reset Total, Vol = 5.09 bbl
09/07/2013	21:55:43	2	0.0	8.40	5.1	
09/07/2013	21:55:51					Start water spacer
09/07/2013	21:55:51	-0	0.0	8.40	0.0	
09/07/2013	21:55:57	1	0.0	8.40	0.0	
09/07/2013	21:56:27	13	1.3	8.40	0.0	
09/07/2013	21:56:57	37	2.7	8.41	1.3	
09/07/2013	21:57:27	36	2.6	8.40	2.6	
09/07/2013	21:57:57	34	2.6	8.40	3.9	
09/07/2013	21:58:01					Well has returns
09/07/2013	21:58:01	34	2.6	8.40	4.1	
09/07/2013	21:58:27	36	2.5	8.40	5.2	
09/07/2013	21:58:57	47	2.7	9.07	6.5	
09/07/2013	21:59:00					Reset Total, Vol = 6.60 bbl
09/07/2013	21:59:00	44	3.1	10.42	6.6	
09/07/2013	21:59:01					Start Lead slurry
09/07/2013	21:59:01	44	3.1	11.46	0.1	
09/07/2013	21:59:27	152	5.0	12.61	1.6	
09/07/2013	21:59:57	155	5.1	12.62	4.1	
09/07/2013	22:00:27	148	5.1	12.62	6.7	
09/07/2013	22:00:57	151	5.1	12.62	9.2	
09/07/2013	22:01:27	152	5.1	12.62	11.7	
09/07/2013	22:01:57	151	5.1	12.62	14.3	
09/07/2013	22:02:27	132	5.1	12.61	16.8	
09/07/2013	22:02:57	140	5.1	12.61	19.4	
09/07/2013	22:03:27	128	5.1	12.62	21.9	
09/07/2013	22:03:57	149	5.1	12.62	24.5	
09/07/2013	22:04:27	135	5.1	12.62	27.0	
09/07/2013	22:04:57	138	5.1	12.62	29.6	
09/07/2013	22:05:27	137	5.1	12.60	32.1	
09/07/2013	22:05:57	131	5.1	12.60	34.6	
09/07/2013	22:06:27	134	5.1	12.61	37.2	
09/07/2013	22:06:57	139	5.1	12.74	39.7	
09/07/2013	22:07:27	139	5.1	12.70	42.3	
09/07/2013	22:07:57	137	5.1	12.72	44.8	
09/07/2013	22:08:27	145	5.1	12.71	47.3	
09/07/2013	22:08:57	137	5.1	12.67	49.9	
09/07/2013	22:09:27	136	5.1	12.65	52.4	
09/07/2013	22:09:57	131	5.1	12.63	55.0	
09/07/2013	22:10:27	140	5.1	12.61	57.5	
09/07/2013	22:10:57	132	5.1	12.61	60.1	
09/07/2013	22:11:27	139	5.1	12.61	62.6	
09/07/2013	22:11:57	141	5.1	12.61	65.1	
09/07/2013	22:12:27	134	5.1	12.63	67.7	
09/07/2013	22:12:57	147	5.1	12.66	70.2	

Well		Field		Job Start		Customer		Job Number	
Lit Trust 3508 4-14H 2508 4-14H		Mississippi Lime		Sep/07/2013		Sandridge		CDL7-00357	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/07/2013	22:13:57	138	5.1	12.65	75.3				
09/07/2013	22:14:27	130	5.1	12.65	77.8				
09/07/2013	22:14:57	140	5.1	12.62	80.4				
09/07/2013	22:15:27	111	4.9	12.67	82.9				
09/07/2013	22:15:57	111	4.9	12.69	85.3				
09/07/2013	22:16:27	92	4.9	12.68	87.8				
09/07/2013	22:16:57	98	4.9	12.77	90.2				
09/07/2013	22:17:26					Reset Total, Vol = 96.61 bbl			
09/07/2013	22:17:26	135	4.9	13.61	92.6				
09/07/2013	22:17:27	135	4.9	13.66	0.1				
09/07/2013	22:17:28					Start tail slurry			
09/07/2013	22:17:28	163	4.9	13.66	0.2				
09/07/2013	22:17:57	82	3.5	14.24	2.1				
09/07/2013	22:18:27	96	3.5	14.55	3.9				
09/07/2013	22:18:57	81	3.5	14.71	5.6				
09/07/2013	22:19:27	106	3.5	14.79	7.4				
09/07/2013	22:19:57	94	3.5	14.82	9.1				
09/07/2013	22:20:27	117	3.5	14.82	10.9				
09/07/2013	22:20:57	78	3.3	14.82	12.6				
09/07/2013	22:21:27	88	3.2	14.83	14.2				
09/07/2013	22:21:57	88	3.3	14.85	15.8				
09/07/2013	22:22:27	129	3.3	14.86	17.5				
09/07/2013	22:22:57	87	3.3	14.92	19.1				
09/07/2013	22:23:27	119	3.3	14.90	20.7				
09/07/2013	22:23:57	91	3.3	14.94	22.4				
09/07/2013	22:24:27	109	3.3	14.93	24.0				
09/07/2013	22:24:57	87	3.3	14.93	25.7				
09/07/2013	22:25:27	97	3.3	14.94	27.4				
09/07/2013	22:25:57	173	5.0	14.93	29.6				
09/07/2013	22:26:27	166	5.0	14.93	32.1				
09/07/2013	22:26:57	204	5.0	14.92	34.6				
09/07/2013	22:27:27	150	5.0	14.91	37.1				
09/07/2013	22:27:57	188	4.8	14.91	39.5				
09/07/2013	22:28:27	179	4.9	14.91	42.0				
09/07/2013	22:28:56					Reset Total, Vol = 44.39 bbl			
09/07/2013	22:28:56	110	5.5	14.34	44.4				
09/07/2013	22:28:57					Start displacement			
09/07/2013	22:28:57					Top plug launched			
09/07/2013	22:28:57	68	6.1	14.34	0.1				
09/07/2013	22:29:27	6	0.1	14.51	0.6				
09/07/2013	22:29:57	5	0.0	14.66	0.6				
09/07/2013	22:30:27	5	0.0	14.49	0.6				
09/07/2013	22:30:57	4	0.0	14.60	0.6				
09/07/2013	22:31:27	79	4.6	9.76	2.2				
09/07/2013	22:31:57	76	4.3	9.32	4.4				
09/07/2013	22:32:27	45	4.3	9.12	6.6				
09/07/2013	22:32:57	53	4.4	8.98	8.8				
09/07/2013	22:33:27	77	4.6	8.76	11.0				
09/07/2013	22:33:57	66	4.7	8.71	13.3				
09/07/2013	22:34:27	167	4.7	8.45	15.7				
09/07/2013	22:34:57	115	4.2	8.54	18.0				
09/07/2013	22:35:27	121	4.7	8.41	20.3				
09/07/2013	22:35:57	121	4.7	8.48	22.6				
09/07/2013	22:36:27	139	4.6	8.54	25.0				

Well		Field		Job Start		Customer		Job Number	
Lit Trust 3508 4-14H 2508 4-14H		Mississippi Lime		Sep/07/2013		Sandridge		CDL7-00357	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/07/2013	22:37:27	256	4.9	8.40	29.7				
09/07/2013	22:37:57	219	4.9	8.40	32.2				
09/07/2013	22:38:27	239	4.9	8.40	34.6				
09/07/2013	22:38:57	224	4.9	8.40	37.1				
09/07/2013	22:39:27	300	4.9	8.40	39.6				
09/07/2013	22:39:57	313	4.9	8.40	42.0				
09/07/2013	22:40:27	262	4.9	8.40	44.5				
09/07/2013	22:40:57	294	4.9	8.40	47.0				
09/07/2013	22:41:27	272	2.5	8.40	48.5				
09/07/2013	22:41:57	216	2.5	8.40	49.7				
09/07/2013	22:42:27	288	2.5	8.40	50.9				
09/07/2013	22:42:57	252	2.5	8.40	52.2				
09/07/2013	22:43:27	256	2.5	8.40	53.4				
09/07/2013	22:43:57	276	2.5	8.40	54.7				
09/07/2013	22:44:27	286	2.5	8.40	55.9				
09/07/2013	22:44:57	273	2.5	8.40	57.2				
09/07/2013	22:45:27	268	2.5	8.40	58.4				
09/07/2013	22:45:57	282	2.5	8.40	59.6				
09/07/2013	22:46:27	936	2.2	8.40	60.9				
09/07/2013	22:46:40					Bump plug			
09/07/2013	22:46:40	927	0.0	8.40	61.0				
09/07/2013	22:46:57	923	0.0	8.40	61.0				
09/07/2013	22:47:27	924	0.0	8.40	61.0				
09/07/2013	22:47:57	926	0.0	8.40	61.0				
09/07/2013	22:48:27	927	0.0	8.40	61.0				
09/07/2013	22:48:57	928	0.0	8.40	61.0				
09/07/2013	22:49:27	930	0.0	8.40	61.0				
09/07/2013	22:49:57	930	0.0	8.40	61.0				
09/07/2013	22:50:16					Check floats, Floats holding 1 bbl back			
09/07/2013	22:50:16	932	0.0	8.40	61.0				
09/07/2013	22:50:27	909	0.0	8.40	61.0				
09/07/2013	22:50:57	-5	0.0	8.40	61.0				
09/07/2013	22:51:00					End job			
09/07/2013	22:51:00	-5	0.0	8.40	61.0				
09/07/2013	22:51:02	-4	0.0	8.40	61.0				
09/07/2013	22:51:02					Stopped Recording			

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
3.7		0.0	6.1	136.8	0.0	10.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
4828	924	304	924		FreshWater	10.0 bbl	8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	<input checked="" type="checkbox"/>	Volume	57.0 bbl
	136.6 bbl	57.0 bbl	87 degF	Washed Thru Perfs	<input type="checkbox"/>	To	
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	<input type="checkbox"/>	Job Completed
Sandridge repersanitive			Anthony Cucci		-		<input checked="" type="checkbox"/>



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SEP 20 2013

Cementing Service Report

REGULATORY DEPT SANDRIDGE ENERGY

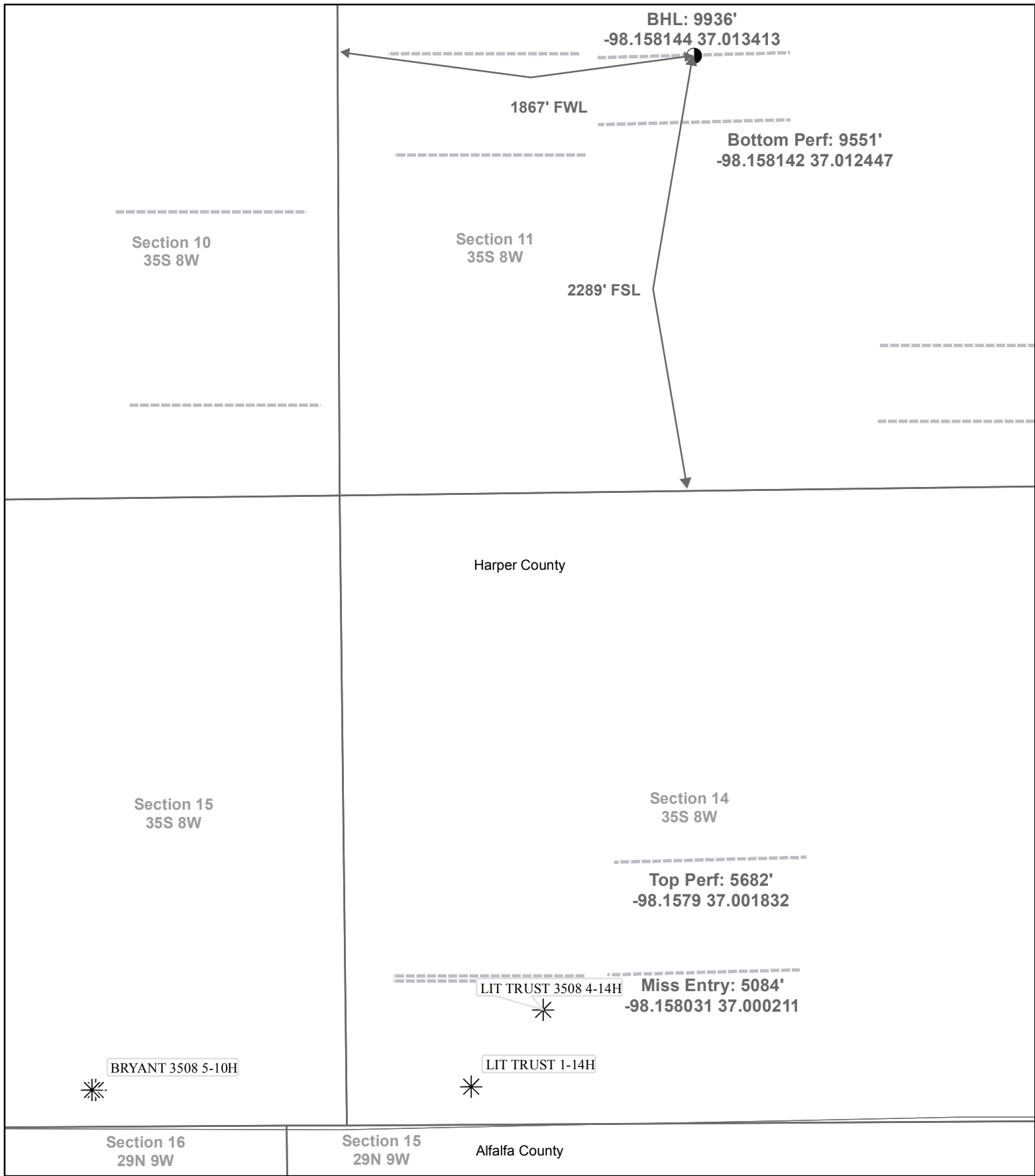
Well Lit Trust 3508-4014H				Customer Sandridge			Job Number 1848272			
Field Harper, KS				Schlumberger Location Elreno			Job Start Sep/13/2013			
County Harper, KS				Deviation			Well MD		Well TVD	
Well Master 0631488460				API/UWI			BHP		BHT	
Rig Name Horizon #15				Drilled For Oil & Gas		Service Via Land		BHCT		
Offshore Zone				Well Class New		Well Type Development		Pore Press. Gradient		
Drilling Fluid Type				Max. Density		Plastic Viscosity		Casing/Liner		
Service Line Cementing				Job Type Cem Interm Casing						Thread
Max. Allowed Tub. Press				Max. Allowed Ann. Press		WH Connection		Depth		
Service Instructions				Top,		Bottom,		No. of Shots		
										Total Interval
										Diameter
				Treat Down		Displacement		Packer Type		Packer Depth
				Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.
Casing/Tubing Secured <input type="checkbox"/>				1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>				Casing Tools		
Lift Pressure 948 psi				Shoe Type Guide				Squeeze Type		
Pipe Rotated <input type="checkbox"/>				Pipe Reciprocated <input type="checkbox"/>				Shoe Depth 5605.0 ft		
No. Centralizers 5				Top Plugs 1		Bottom Plugs 0		Tool Type		
Cement Head Type Single				Stage Tool Type				Tool Depth		
Job Scheduled For Sep/13/2013				Arrived on Location Sep/13/2013		Leave Location Sep/13/2013		Stage Tool Depth		
				Collar Type Float				Tail Pipe Size		
				Collar Depth 5474.0 ft				Tail Pipe Depth		
								Sqz. Total Vol.		
Date		Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/13/2013		23:45:53	1	0.0	8.47	0.0	Start Job			
09/13/2013		23:45:56		0.0	8.47	0.0				
09/13/2013		23:45:56	1	0.0	8.47	0.0	Start Pumping Spacer			
09/13/2013		23:45:59		0.0	8.47	0.0				
09/13/2013		23:45:59	1	0.0	8.47	1.1				
09/13/2013		23:48:03	5	0.0	8.47	2.0	Pressure Test Lines			
09/13/2013		23:49:46		0.0	8.47	1.9				
09/13/2013		23:49:46	29	0.0	8.47	2.0				
09/13/2013		23:50:13	2334	0.0	8.47	2.0				
09/13/2013		23:52:23	7	0.0	8.47	2.0				
09/13/2013		23:54:33	433	6.1	8.46	5.3				
09/13/2013		23:56:43	422	6.4	8.42	19.0				
09/13/2013		23:58:20					End Spacer			
09/13/2013		23:58:20	505	6.4	8.44	29.2				
09/13/2013		23:58:22					Start Mixing Lead Slurry			
09/13/2013		23:58:22	462	6.4	8.44	29.4				
09/13/2013		23:58:22	564	6.4	9.96	32.7				
09/14/2013		00:01:03	665	6.2	13.14	46.4				
09/14/2013		00:03:13	525	6.2	13.25	60.0				
09/14/2013		00:05:23	606	6.2	14.06	73.7				
09/14/2013		00:07:33	513	6.2	13.84	87.4				

Well		Field		Job Start		Customer		Job Number	
Lit Trust 3508-4014H		Harper, KS		Sep/13/2013		Sandridge		1848272	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/14/2013	00:09:39	362	6.4	13.40	100.7				
09/14/2013	00:09:43	318	6.2	13.26	101.1				
09/14/2013	00:09:45					Start Mixing Tail Slurry			
09/14/2013	00:09:45	355	6.2	13.22	101.3				
09/14/2013	00:11:53	180	4.4	15.64	113.6				
09/14/2013	00:13:56					End Tail Slurry			
09/14/2013	00:13:56	102	3.2	14.90	122.8				
09/14/2013	00:14:03	118	3.3	15.12	123.2				
09/14/2013	00:15:24					Shutdown			
09/14/2013	00:15:24	5	0.0	15.66	127.2				
09/14/2013	00:15:26					Drop Top Plug			
09/14/2013	00:15:26	5	0.0	15.63	127.2				
09/14/2013	00:15:27					Start Displacement			
09/14/2013	00:15:27	5	0.0	15.63	127.2				
09/14/2013	00:16:13	17	0.0	13.06	127.2				
09/14/2013	00:18:23	7	0.0	10.35	127.2				
09/14/2013	00:20:33	6	0.0	10.23	127.2				
09/14/2013	00:22:43	5	0.0	9.90	127.2				
09/14/2013	00:24:53	157	6.4	8.61	137.0				
09/14/2013	00:27:03	152	6.4	8.47	150.6				
09/14/2013	00:29:13	134	6.4	8.47	164.3				
09/14/2013	00:31:23	144	6.4	8.47	178.0				
09/14/2013	00:33:33	130	6.2	8.47	191.7				
09/14/2013	00:35:43	156	6.2	8.47	205.3				
09/14/2013	00:37:53	133	6.4	8.47	219.0				
09/14/2013	00:40:03	148	6.4	8.47	232.7				
09/14/2013	00:42:13	134	6.2	8.47	246.3				
09/14/2013	00:44:23	271	6.2	8.47	260.0				
09/14/2013	00:46:33	391	6.4	8.47	273.7				
09/14/2013	00:48:43	534	6.2	8.47	287.4				
09/14/2013	00:50:53	650	6.5	8.47	301.0				
09/14/2013	00:53:03	861	6.2	8.47	314.7				
09/14/2013	00:55:13	1019	6.2	8.47	328.4				
09/14/2013	00:57:23	1496	0.0	8.47	337.8				
09/14/2013	00:59:33	1460	0.0	8.47	337.8				
09/14/2013	00:59:55					Bump Top Plug			
09/14/2013	00:59:55	1469	0.0	8.47	337.8				
09/14/2013	00:59:57					End Displacement			
09/14/2013	00:59:57	1469	0.0	8.47	337.8				
09/14/2013	01:01:43	6	0.0	8.47	337.8				
09/14/2013	01:02:52					Floats Held			
09/14/2013	01:02:52	5	0.0	8.47	337.8				
09/14/2013	01:02:53					End Job			

Well Lit Trust 3508-4014H	Field Harper, KS	Job Start Sep/13/2013	Customer Sandridge	Job Number 1848272
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 5.0	N2	Mud	Maximum Rate 6.0	Total Slurry 80.0	Mud 0.0	Spacer 30.0	N2	
Treating Pressure Summary,					Breakdown Fluid			
Maximum 1500	Final	Average	Bump Plug to 1460	Breakdown	Type	Volume	Density	
Avg. N2 Percent	Designed Slurry Volume	Displacement 210.0 bbl	Mix Water Temp	Cement Circulated to Surface?	<input type="checkbox"/>	Volume		
				Washed Thru Perfs	<input type="checkbox"/>	To		
Customer or Authorized Representative Doug Langley	Schlumberger Supervisor Charles Jacobs	Circulation Lost	<input type="checkbox"/>	Job Completed	<input checked="" type="checkbox"/>			
		-		-				



SANDRIDGE
 THE POWER OF US™

Actual Bottom-Hole Location of LIT Trust 3508 4-14H
 Harper County, Kansas
 T&R: 35S 8W
 Section: 11, 1867' FWL & 2289' FSL
 -98.158144 37.013413

1 in = 667 ft

0 500 1,000 2,000 Feet

Actual BH Location
 SandRidge Wells
 Perf
 Sections

Draftsman: Aaron Birk
 Draft Date: 12/27/2013

Drawing Name/Number:
 Addendum_LIT Trust 3508 4-14H.mxd

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