



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1106758
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: _____



1106758

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	Brad 3508 2-12H
Doc ID	1106758

All Electric Logs Run

Nuclear
Resistivity
Boresight
MudLog

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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8764-9100	4209 bbls water, 36 bbls acid, 75M lbs sd, 4305 TLTR	
5	8347-8682	4202 bbls water, 36 bbls acid, 75M lbs sd, 8918 TLTR	
5	7929-8269	4196 bbls water, 36 bbls acid, 75M lbs sd, 13391 TLTR	
5	7512-7844	4189 bbls water, 36 bbls acid, 75M lbs sd, 17809 TLTR	
5	7096-7420	4183 bbls water, 36 bbls acid, 75M lbs sd, 22173 TLTR	
5	6698-7032	4176 bbls water, 36 bbls acid, 75M lbs sd, 26515 TLTR	
5	6208-6612	4169 bbls water, 36 bbls acid, 75M lbs sd, 30720 TLTR	
5	5818-6128	4163 bbls water, 36 bbls acid, 75M lbs sd, 34950 TLTR	
5	5406-5746	4156 bbls water, 36 bbls acid, 75M lbs sd, 39232 TLTR	
5	5007-5328	4150 bbls water, 36 bbls acid, 75M lbs sd, 39255 TLTR	

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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	90	Mid-Continent Conductor grout	10	none
Surface	12.25	9.63	36	735	Halliburton Extendacem and Swiftcem Systems	400	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	8.75	7	26	5265.4	Halliburton Econocem and Halcem Systems	310	.4% Halad(R)-9, 2 lbm Kol-Seal, 2% Bentonite
Liner	6.12	4.5	11.6	9212	Halliburton Econocem System	500	04% Halad(R)-9, 10 lbm Kol-Seal, 2% Bentonite, .25 lbm Poly-E-Flake, .2% CFR-3, w/o defoamer

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

January 04, 2013

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

Re: ACO1
API 15-077-21898-01-00
Brad 3508 2-12H
NW/4 Sec.12-35S-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

Actual Wellpath Report

Sandridge Brad 3508 2-12H (Unit 310)_Final Surveys.

Page 2 of 5

REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Brad 3508 2-12H (Unit 310)
Area	Kansas	Well	SL (2440 FNL, 660 FWL)
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Brad 3508 2-12H (Unit 310) Actual
Facility	Brad 3508 2-12H Sec 12-35S-8W		

WELLPATH DATA (121 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]	Log Comment
0.00	0.000	315.120	0.00	0.00	0.00	0.00	2104025.00	127051.00	0.00	
15.00	0.000	315.120	15.00	0.00	0.00	0.00	2104025.00	127051.00	0.00	
250.00	0.250	315.120	250.00	0.37	0.36	-0.36	2104024.64	127051.36	0.11	
500.00	1.000	315.120	499.98	2.31	2.30	-2.29	2104022.71	127053.30	0.30	
735.00	1.250	315.120	734.94	5.60	5.56	-5.54	2104019.46	127056.57	0.11	
818.00	0.090	315.120	817.93	6.29	6.25	-6.23	2104018.77	127057.25	1.40	
909.00	0.030	75.960	908.93	6.34	6.31	-6.25	2104018.75	127057.31	0.12	
1001.00	0.040	110.810	1000.93	6.34	6.30	-6.20	2104018.80	127057.30	0.03	
1094.00	0.030	249.770	1093.93	6.32	6.28	-6.19	2104018.81	127057.28	0.07	
1186.00	0.040	202.610	1185.93	6.28	6.25	-6.23	2104018.77	127057.25	0.03	
1278.00	0.130	181.860	1277.93	6.15	6.11	-6.24	2104018.76	127057.11	0.10	
1370.00	0.150	156.760	1369.93	5.93	5.90	-6.20	2104018.80	127056.90	0.07	
1559.00	0.150	145.750	1558.93	5.50	5.46	-5.96	2104019.04	127056.47	0.02	
1837.00	0.090	319.160	1836.93	5.36	5.33	-5.90	2104019.10	127056.33	0.09	
2027.00	0.070	280.390	2026.93	5.50	5.46	-6.11	2104018.89	127056.46	0.03	
2122.00	0.070	291.830	2121.93	5.53	5.50	-6.22	2104018.78	127056.50	0.01	
2217.00	0.120	228.860	2216.93	5.49	5.45	-6.35	2104018.65	127056.45	0.11	
2312.00	0.110	202.150	2311.93	5.34	5.30	-6.46	2104018.54	127056.30	0.06	
2407.00	0.070	151.300	2406.93	5.20	5.17	-6.47	2104018.53	127056.17	0.09	
2502.00	0.170	109.220	2501.93	5.10	5.07	-6.31	2104018.69	127056.07	0.13	
2597.00	0.150	100.810	2596.93	5.03	5.00	-6.05	2104018.95	127056.00	0.03	
2692.00	0.790	221.780	2691.92	4.52	4.49	-6.37	2104018.63	127055.49	0.92	
2787.00	0.840	132.700	2786.92	3.56	3.53	-6.29	2104018.71	127054.53	1.20	
2882.00	0.060	357.010	2881.91	3.14	3.10	-5.78	2104019.22	127054.10	0.93	
2977.00	0.510	296.310	2976.91	3.38	3.34	-6.16	2104018.84	127054.34	0.51	
3071.00	0.340	179.180	3070.91	3.28	3.25	-6.53	2104018.47	127054.25	0.78	
3166.00	0.150	359.820	3165.91	3.13	3.09	-6.53	2104018.47	127054.09	0.52	
3261.00	0.100	78.900	3260.91	3.27	3.23	-6.45	2104018.55	127054.23	0.17	
3356.00	0.190	132.520	3355.91	3.18	3.14	-6.25	2104018.75	127054.14	0.16	
3450.00	0.090	124.540	3449.91	3.03	2.99	-6.08	2104018.92	127053.99	0.11	
3545.00	0.130	172.170	3544.91	2.88	2.84	-6.00	2104019.00	127053.84	0.10	
3640.00	0.060	0.590	3639.91	2.82	2.79	-5.98	2104019.01	127053.79	0.20	
3735.00	0.400	126.740	3734.91	2.67	2.64	-5.72	2104019.28	127053.64	0.46	
3830.00	0.140	205.190	3829.91	2.37	2.33	-5.50	2104019.50	127053.33	0.42	
3925.00	0.740	355.350	3924.91	2.87	2.84	-5.60	2104019.40	127053.84	0.91	
3956.00	3.020	6.190	3955.89	3.88	3.85	-5.53	2104019.47	127054.85	7.41	
3988.00	4.810	5.770	3987.81	6.06	6.03	-5.30	2104019.70	127057.03	5.59	
4019.00	6.380	9.460	4018.66	9.05	9.02	-4.89	2104020.11	127060.02	5.19	
4051.00	7.860	11.970	4050.42	12.94	12.91	-4.14	2104020.86	127063.91	4.72	
4083.00	8.830	12.970	4082.08	17.46	17.45	-3.14	2104021.86	127068.45	3.06	
4114.00	10.630	15.790	4112.63	22.53	22.52	-1.83	2104023.17	127073.52	6.00	
4146.00	11.730	16.320	4144.02	28.48	28.48	-0.11	2104024.89	127079.48	3.45	
4178.00	12.770	15.840	4175.29	34.99	35.00	1.77	2104026.77	127086.00	3.27	
4209.00	14.050	13.850	4205.45	41.93	41.95	3.61	2104028.61	127092.96	4.39	
4241.00	15.560	15.900	4236.38	49.82	49.85	5.71	2104030.71	127100.86	4.99	

Actual Wellpath Report

Sandridge Brad 3508 2-12H (Unit 310)_Final Surveys.

Page 3 of 5

REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Brad 3508 2-12H (Unit 310)
Area	Kansas	Well	SL (2440 FNL, 660 FWL)
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Brad 3508 2-12H (Unit 310) Actual
Facility	Brad 3508 2-12H Sec 12-35S-8W		

WELLPATH DATA (121 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
4272.00	16.900	16.060	4266.15	58.13	58.18	8.10	2104033.10	127109.18	4.32	
4303.00	19.710	14.410	4295.58	67.52	67.58	10.65	2104035.65	127118.58	9.22	
4335.00	22.850	12.820	4325.39	78.79	78.86	13.37	2104038.37	127129.87	9.98	
4367.00	25.680	11.460	4354.56	91.63	91.72	16.12	2104041.13	127142.73	9.01	
4398.00	28.670	10.820	4382.14	105.50	105.61	18.86	2104043.86	127156.62	9.69	
4430.00	30.990	8.730	4409.90	121.17	121.30	21.55	2104046.55	127172.30	7.94	
4461.00	33.470	6.290	4436.12	137.55	137.68	23.70	2104048.70	127188.69	9.03	
4493.00	36.660	5.280	4462.31	155.82	155.97	25.54	2104050.54	127206.98	10.13	
4525.00	40.260	4.200	4487.36	175.65	175.80	27.18	2104052.18	127226.81	11.44	
4556.00	42.780	2.740	4510.57	196.15	196.31	28.42	2104053.42	127247.32	8.71	
4588.00	44.330	0.410	4533.76	218.18	218.35	29.02	2104054.02	127269.36	6.97	
4620.00	46.680	359.210	4556.19	241.01	241.17	28.94	2104053.94	127292.19	7.82	
4651.00	49.720	359.180	4576.85	264.11	264.28	28.61	2104053.61	127315.29	9.81	
4694.00	51.000	359.240	4604.28	297.22	297.39	28.15	2104053.16	127348.41	2.98	
4746.00	50.790	358.750	4637.08	337.57	337.73	27.45	2104052.45	127388.75	0.84	
4778.00	50.640	358.610	4657.34	362.34	362.49	26.88	2104051.88	127413.52	0.58	
4809.00	49.810	358.280	4677.17	386.16	386.31	26.23	2104051.23	127437.33	2.80	
4841.00	49.610	358.340	4697.87	410.56	410.71	25.51	2104050.51	127461.73	0.64	
4872.00	51.810	358.300	4717.50	434.54	434.69	24.81	2104049.81	127485.72	7.10	
4903.00	55.060	359.130	4735.96	459.43	459.58	24.25	2104049.25	127510.61	10.70	
4935.00	58.340	359.620	4753.53	486.18	486.32	23.96	2104048.96	127537.35	10.33	
4967.00	61.140	0.050	4769.65	513.81	513.96	23.88	2104048.89	127564.99	8.83	
4999.00	64.020	359.190	4784.39	542.21	542.36	23.69	2104048.69	127593.39	9.31	
5030.00	66.960	358.530	4797.25	570.41	570.56	23.13	2104048.13	127621.59	9.68	
5062.00	70.020	358.120	4808.98	600.17	600.31	22.26	2104047.26	127651.34	9.64	
5093.00	72.780	358.730	4818.86	629.54	629.68	21.45	2104046.45	127680.71	9.10	
5125.00	75.080	358.630	4827.72	660.29	660.42	20.74	2104045.75	127711.45	7.19	
5157.00	77.590	359.210	4835.28	691.38	691.50	20.16	2104045.16	127742.54	8.04	
5188.00	79.570	358.860	4841.42	721.76	721.88	19.65	2104044.65	127772.92	6.48	
5220.00	81.900	359.390	4846.57	753.34	753.46	19.17	2104044.17	127804.50	7.46	
5247.00	83.630	359.420	4849.97	780.12	780.24	18.89	2104043.89	127831.29	6.41	
5316.00	89.140	358.570	4854.32	848.95	849.07	17.68	2104042.68	127900.11	8.08	
5411.00	90.090	358.270	4854.96	943.93	944.03	15.06	2104040.06	127995.08	1.05	
5506.00	91.290	357.720	4853.81	1038.88	1038.96	11.74	2104036.74	128090.02	1.39	
5601.00	91.230	357.710	4851.72	1133.80	1133.86	7.95	2104032.95	128184.93	0.06	
5696.00	90.860	357.160	4849.99	1228.71	1228.75	3.70	2104028.70	128279.82	0.70	
5791.00	89.410	356.490	4849.77	1323.59	1323.60	-1.56	2104023.44	128374.68	1.68	
5886.00	88.570	356.150	4851.44	1418.41	1418.39	-7.66	2104017.34	128469.47	0.95	
5981.00	91.280	357.190	4851.57	1513.27	1513.22	-13.18	2104011.82	128564.30	3.06	
6076.00	91.020	356.740	4849.66	1608.14	1608.07	-18.21	2104006.79	128659.16	0.55	
6171.00	90.530	355.740	4848.38	1702.96	1702.85	-24.44	2104000.56	128753.95	1.17	
6266.00	90.280	356.750	4847.70	1797.79	1797.64	-30.66	2103994.34	128848.75	1.10	
6361.00	91.450	355.900	4846.27	1892.61	1892.44	-36.75	2103988.25	128943.54	1.52	
6455.00	92.760	0.640	4842.81	1986.49	1986.30	-39.58	2103985.42	129037.41	5.23	
6550.00	92.620	359.210	4838.36	2081.38	2081.19	-39.71	2103985.29	129132.31	1.51	



Actual Wellpath Report

Sandridge Brad 3508 2-12H (Unit 310)_Final Surveys.

Page 4 of 5

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WELLPATH DATA (121 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]	Log Comment
6645.00	92.120	358.700	4834.43	2176.30	2176.09	-41.44	2103983.56	129227.22	0.75	
6740.00	91.690	0.540	4831.27	2271.24	2271.04	-42.07	2103982.93	129322.17	1.99	
6835.00	90.880	0.570	4829.14	2366.20	2366.01	-41.15	2103983.85	129417.14	0.85	
6910.00	90.189	0.098	4828.44	2441.19	2441.00	-40.71	2103984.29	129492.14	1.12	Sec Crossing 6910MD(4828TVD) 0'FSL,632'FWL
6924.00	90.060	0.010	4828.41	2455.19	2455.00	-40.70	2103984.30	129506.14	1.12	
6987.00	90.650	359.840	4828.02	2518.19	2518.00	-40.78	2103984.22	129569.14	0.97	
7050.00	89.880	0.290	4827.73	2581.19	2581.00	-40.71	2103984.29	129632.15	1.42	
7145.00	89.970	0.510	4827.85	2676.18	2676.00	-40.04	2103984.95	129727.15	0.25	
7240.00	91.760	0.830	4826.42	2771.15	2770.97	-38.93	2103986.06	129822.13	1.91	
7335.00	91.660	1.250	4823.58	2866.08	2865.92	-37.21	2103987.79	129917.08	0.45	
7430.00	92.100	1.590	4820.47	2960.99	2960.84	-34.86	2103990.14	130012.00	0.59	
7524.00	92.160	2.010	4816.97	3054.86	3054.72	-31.91	2103993.09	130105.90	0.45	
7619.00	92.490	2.460	4813.12	3149.68	3149.57	-28.20	2103996.79	130200.75	0.59	
7713.00	90.490	2.070	4810.67	3243.55	3243.46	-24.49	2104000.51	130294.65	2.17	
7808.00	89.780	2.720	4810.45	3338.44	3338.38	-20.52	2104004.48	130389.57	1.01	
7903.00	90.030	1.310	4810.61	3433.36	3433.32	-17.18	2104007.82	130484.51	1.51	
7998.00	90.920	0.550	4809.82	3528.33	3528.30	-15.64	2104009.36	130579.50	1.23	
8093.00	91.420	0.700	4807.88	3623.30	3623.27	-14.60	2104010.40	130674.48	0.55	
8188.00	91.200	0.470	4805.71	3718.26	3718.24	-13.63	2104011.37	130769.46	0.33	
8283.00	91.510	0.450	4803.46	3813.23	3813.22	-12.87	2104012.13	130864.43	0.33	
8378.00	91.690	0.790	4800.81	3908.18	3908.17	-11.84	2104013.16	130959.39	0.40	
8473.00	91.720	1.160	4797.98	4003.11	4003.12	-10.23	2104014.77	131054.34	0.39	
8567.00	91.630	1.490	4795.24	4097.03	4097.05	-8.06	2104016.94	131148.28	0.36	
8662.00	92.160	1.830	4792.09	4191.92	4191.96	-5.30	2104019.69	131243.20	0.66	
8757.00	91.820	2.380	4788.79	4286.78	4286.84	-1.82	2104023.18	131338.08	0.68	
8852.00	91.260	1.660	4786.24	4381.66	4381.74	1.53	2104026.53	131432.99	0.96	
8947.00	91.230	2.250	4784.18	4476.56	4476.66	4.77	2104029.77	131527.92	0.62	
9042.00	90.280	1.290	4782.93	4571.49	4571.61	7.70	2104032.70	131622.87	1.42	
9136.00	90.030	1.950	4782.67	4665.44	4665.57	10.36	2104035.36	131716.84	0.75	
9168.00	90.250	1.800	4782.59	4697.41	4697.55	11.41	2104036.41	131748.82	0.83	
9211.00	90.250	1.800	4782.41	4740.38	4740.53	12.76	2104037.76	131791.80	0.00	BHL 9211MD(4782TVD) 2990'FNL,700'FWL



Actual Wellpath Report

Sandridge Brad 3508 2-12H (Unit 310)_Final Surveys.

Page 5 of 5

REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Brad 3508 2-12H (Unit 310)
Area	Kansas	Well	SL (2440 FNL, 660 FWL)
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Brad 3508 2-12H (Unit 310) Actual
Facility	Brad 3508 2-12H Sec 12-35S-8W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Brad 3508 2-12H Plan 1 PBHL 2310 FSL, 660 FWL Sec 1		4783.78	4750.73	-27.00	2103998.00	131802.00	37°01'41.138"N	98°08'37.603"W	point

WELLPATH COMPOSITION - Ref Wellbore: Brad 3508 2-12H (Unit 310) Actual Ref Wellpath: AWP-Final					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	
15.00	735.00	Generic gyro - northseeking (Standard)	Gyro Surveys	Brad 3508 2-12H (Unit 310) Actual	
735.00	9168.00	NaviTrak (Standard)	INTEQ MWD	Brad 3508 2-12H (Unit 310) Actual	
9168.00	9211.00	Blind Drilling (std)	Projection to bit	Brad 3508 2-12H (Unit 310) Actual	

Mid-Continent Conductor, LLC

P.O. Box 1570
Woodward, OK 73802
Phone: (580)254-5400
Fax: (580)254-3242

Invoice

Date	Invoice #
12/17/2012	1609

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
Bobby Jopling	Net 45	12/17/2012	Brad 3508 2-12, Harper Cnty, KS	Unit 310

Item	Quantity	Description
Conductor Hole	90	Drilled 90 ft. conductor hole
20" Pipe	90	Furnished 90 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	10	Furnished grout and trucking to location
Grout Pump	1	Furnished grout pump
Welder & Materials	1	Furnished welder and materials
Dirt Removal	1	Furnished labor and equipment for dirt removal
Cover Plate	1	Furnished cover plates
Fence Panels	4	Furnished and set fence panels around conductor holes
Permits	1	Permits

AFE Number: DC 12276
 Well Name: Brad 3508 2-12
 Code: 830.010
 Amount: 17340
 Co. Man: BRAD SEARSH
 Co. Man Sig.: _____
 Notes: _____

Subtotal	\$17,340.00
Sales Tax (0.0%)	\$0.00
Total	\$17,340.00

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2971210	Quote #:	Sales Order #: 900095398
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Brad 3508	Well #: 2-12H	API/UWI #: 15-077-21898	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 12 Township 35S Range 8W			
Contractor: Unit Drilling *		Rig/Platform Name/Num: Unit 310	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: JIMENEZ, JESUS	MBU ID Emp #: 221813

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
JIMENEZ, JESUS Medrano	8.0	221813	NELSON, JOHN	8.0	507033	WELLMAN, KIM	8.0	530092

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
12-23-2012	8	2						

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	765. ft			On Location	23 - Dec - 2012	09:00	CST
Job depth MD				Job Started	23 - Dec - 2012	12:30	CST
Water Depth				Job Completed	23 - Dec - 2012	15:00	CST
Perforation Depth (MD)	From	To		Departed Loc	23 - Dec - 2012	17:00	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
12.25" Open Hole				12.25				80.	765.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	765.		
Preset Conductor	Unknown		20.	19.124	94.			.	80.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug		1	
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

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	Fresh Water		10.00	bbl	8.33	.0	.0	4	
2	HLC Standard	EXTENDACEM (TM) SYSTEM (452981)	210.0	sacks	12.4	2.11	11.57		11.57
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.571 Gal	FRESH WATER							
3	Standard	SWIFTCEM (TM) SYSTEM (452990)	190.0	sacks	15.6	1.2	5.32	4	5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
4	Displacement		54.00	bbl	8.33	.0	.0	4	
Calculated Values		Pressures		Volumes					
Displacement	54	Shut In: Instant		Lost Returns	NO	Cement Slurry	120	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	60	Actual Displacement	54	Treatment	
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	4	Displacement	4	Avg. Job	4		
Cement Left In Pipe	Amount	42 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					

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2971210	Quote #:	Sales Order #: 900102927
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Brad 3508	Well #: 2-12H	API/UWI #: 15-077-21898	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 12 Township 35S Range 8W			
Contractor: UNIT		Rig/Platform Name/Num: 310	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: UNDERWOOD, BILLY MBU ID Emp #: 159068	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LANGLEY, HIRAM J	11	532099	PROVINES, TYLER Wesley	11	523867	UNDERWOOD, BILLY Dale	11	159068

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10744543	100 mile	10804555	100 mile	10825967	100 mile	11288856	100 mile
11706678	100 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12-29-12	11	1.2						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
Form Type	BHST		On Location	29 - Dec - 2012	04:00	CST
Job depth MD	5295. ft	Job Depth TVD	Job Started	29 - Dec - 2012	13:15	CST
Water Depth		Wk Ht Above Floor	Job Completed	29 - Dec - 2012	14:20	CST
Perforation Depth (MD) From		To	Departed Loc	29 - Dec - 2012	15:00	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				765.	5295.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5295.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	765.		

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

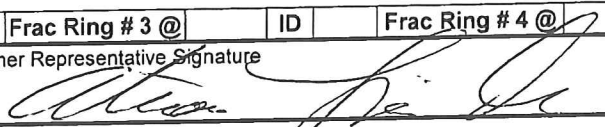
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

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	

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		10.00	bbl	8.33	.0	.0	.0		
2	50/50 POZ STANDARD W/2% EXTRA GEL	ECONOCEM (TM) SYSTEM (452992)	120.0	sacks	13.6	1.53	7.32		7.32	
	0.4 %	HALAD(R)-9, 50 LB (100001617)								
	2 lbm	KOL-SEAL, BULK (100064233)								
	2 %	BENTONITE, BULK (100003682)								
	7.321 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		198.00	bbl	8.33	.0	.0	.0		
Calculated Values			Pressures			Volumes				
Displacement	198	Shut In: Instant		Lost Returns		Cement Slurry	32/40	Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement	196	Treatment		
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job	278	
Rates										
Circulating	6	Mixing	5	Displacement	7	Avg. Job	6			
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						
										

RECEIVED

JAN 10 2013

HALLIBURTON REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2971210	Quote #:	Sales Order #: 900117287
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Brad 3508	Well #: 2-12H	API/UWI #: 15-077-21898	
Field:	City (SAP): ANTHONY	County/Parish: Harper	State: Kansas
Legal Description: Section 12 Township 35S Range 8W			
Contractor: UNIT		Rig/Platform Name/Num: 310	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srcv Supervisor: UNDERWOOD, BILLY MBU ID Emp #: 159068	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CRAWFORD, ANDREW B	7	480612	MCKEEVER, TERRY John	5	514733	STILL, ERIC Dean	7	523897
UNDERWOOD, BILLY Dale	7	159068	WALLS, JAMES Richard	5	396166			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10825967	100 mile	11235849	100 mile	11255341	100 mile	11288856	100 mile
11706678	100 mile	12003765	100 mile	NA	100 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1-4-13	7	1.2						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
	9222. ft		On Location	04 - Jan - 2013	07:30	CST
Form Type	BHST	138 degF	Job Started	04 - Jan - 2013	12:00	CST
Job depth MD	9222. ft	Job Depth TVD	Job Started	04 - Jan - 2013	16:50	CST
Water Depth		Wk Ht Above Floor	Job Completed	04 - Jan - 2013	18:15	CST
Perforation Depth (MD) From		To	Departed Loc	04 - Jan - 2013	19:00	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
6.125" Open Hole				6.125				5295.	9222.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	N-80	4884.	9222.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	5295.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4884.		

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

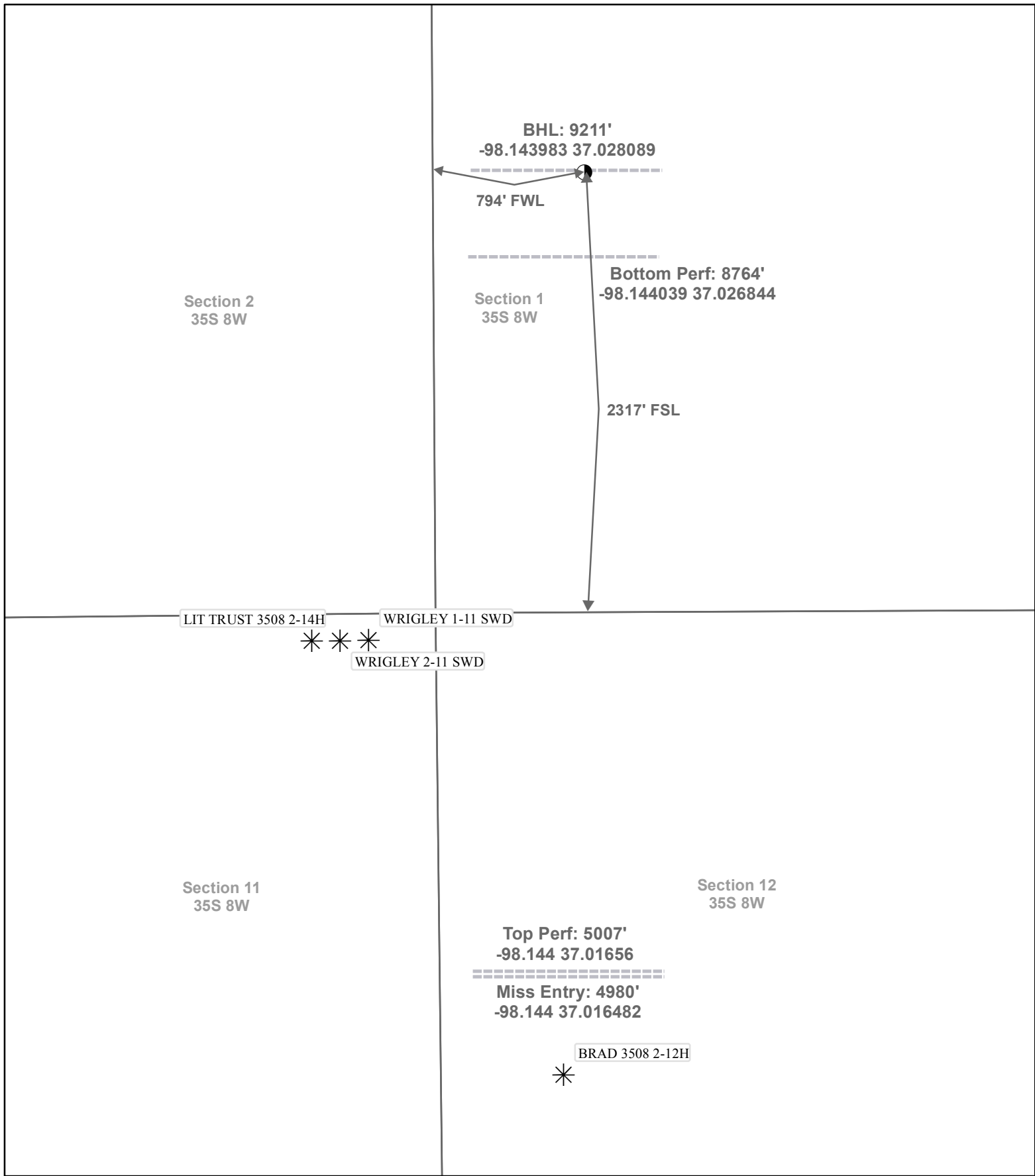
HALLIBURTON

Cementing Job Summary

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	8.5	.0	.0	.0	
2	50/50 POZ STANDARD W/2% EXTRA GEL	ECONOCEM (TM) SYSTEM (452992)	500.0	sacks	13.6	1.58	6.88		6.88
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	10 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	0.2 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	6.877 Gal	FRESH WATER							
3	Displacement		109.00	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	109	Shut In: Instant		Lost Returns		Cement Slurry	140	Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	107	Treatment	
Frac Gradient		15 Min		Spacers	30	Load and Breakdown		Total Job	277
Rates									
Circulating	5	Mixing	5.5	Displacement	4	Avg. Job	5		
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					

* 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%

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)



Actual Bottom-Hole Location of Brad 3508 2-12H
 Harper County, Kansas
 T&R: 35S 8W
 Section: 1, 794' FWL & 2317' FSL
 Long/Lat: -98.143983 37.028089

1 in = 667 ft

SANDRIDGE
 THE POWER OF US™

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

0 500 1,000 2,000 Feet

Draftsman: Aaron Birk	Draft Date: 4/9/2013
Drawing Name/Number: Addendum_Brad_2-12H .mxd	
Coordinate System: NAD 1927 State Plane Kansas South FIPS: 1502	

Remarks

Tiffany Golay 04/15/013 08:14 am	TVD 4,782'
Tiffany Golay 04/02/013 08:37 am	10,240 bbls of fluid soil farmed by Black Rock Services