



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1167420
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: _____

1167420

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

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

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

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

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

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

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

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

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Donna Mae 3406 1-23H
Doc ID	1167420

All Electric Logs Run

Boresight
Induction
Nuclear
Prizm
Mud

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Donna Mae 3406 1-23H
Doc ID	1167420

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	9196-9382	36 bbls 15% HCL; 6093 bbls slickwater; TLTR 5630 bbls	
5	8771-9104	36 bbls 15% HCL; 6204 bbls slickwater; TLTR 11263 bbls	
5	8473-8673	36 bbls 15% HCL; 6130 bbls slickwater; TLTR 16783 bbls	
5	8046-8375	36 bbls 15% HCL; 5957 bbls slickwater; TLTR 22080 bbls	
5	7598-7950	36 bbls 15% HCL; 6230 bbls slickwater; TLTR 27460 bbls	
5	7238-7510	36 bbls 15% HCL; 6063 bbls slickwater; TLTR 32686 bbls	
5	6953-7188	36 bbls 15% HCL; 6013 bbls slickwater; TLTR 37714 bbls	
5	6478-6830	36 bbls 15% HCL; 5999 bbls slickwater; TLTR 42532 bbls	
5	6084-6410	36 bbls 15% HCL; 6058 bbls slickwater; TLTR 47654 bbls	
5	5698-6004	36 bbls 15% HCL; 5923 bbls slickwater; TLTR 52747 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

November 08, 2013

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

Re: ACO1
API 15-077-21971-01-00
Donna Mae 3406 1-23H
NE/4 Sec.23-34S-06W
Harper County, Kansas

Dear Production Department:

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

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

Respectfully,
Chelsey Green



Actual Wellpath Report

Sandridge Donna Mae 3406 1-23H (Unit 310)_Final Surveys.
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Donna Mae 3406 1-23H (Unit 310)
Area	Kansas	Well	200 FNL 850 FEL
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Donna Mae 3406 1-23H (Unit 310) Actual
Facility	Donna Mae 3406 1-23H Sec. 23-34S-6W		

REPORT SETUP INFORMATION			
Projection System	NAD27 / Lambert Kansas SP, Southern Zone (1502), US feet		
North Reference	Grid	Software System	WellArchitect™ 3.0.0
Convergence at slot	0.35° East	User	Adammic
Scale	1.00004	Report Generated	07/Nov/2013 at 3:05:30 PM
Wellbore last revised	10-17-2013	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	2165674.00	151039.00	37°04'48.311"N	97°55'55.648"W
Facility Reference Pt			2165674.00	151039.00	37°04'48.311"N	97°55'55.648"W
Field Reference Pt			2132248.82	161602.28	37°06'34.560"N	98°02'47.460"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Unit 310 (RKB) to Facility Vertical Datum	18.00ft
Horizontal Reference Pt	Slot	Unit 310 (RKB) to Mean Sea Level	1316.00ft
Vertical Reference Pt	Unit 310 (RKB)	Unit 310 (RKB) to Mud Line at Slot (Donna Mae 3406 1-23H (Unit 310))	18.00ft
MD Reference Pt	Unit 310 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	177.14°



Actual Wellpath Report

Sandridge Donna Mae 3406 1-23H (Unit 310)_Final Surveys.
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Facility	Donna Mae 3406 1-23H Sec. 23-34S-6W		

WELLPATH DATA (124 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	82.350	0.00	0.00	0.00	0.00	2165674.00	151039.00	0.00	
18.00	0.000	82.350	18.00	0.00	0.00	0.00	2165674.00	151039.00	0.00	
250.00	1.000	82.350	249.99	-0.17	0.27	2.01	2165676.01	151039.27	0.43	
650.00	0.800	82.350	649.94	-0.69	1.11	8.23	2165682.23	151040.11	0.05	
698.00	0.430	82.350	697.94	-0.74	1.17	8.74	2165682.74	151040.17	0.77	
1069.00	0.320	82.800	1068.93	-0.93	1.49	11.15	2165685.15	151040.49	0.03	
1441.00	0.310	25.970	1440.92	-1.89	2.52	12.62	2165686.62	151041.52	0.08	
1821.00	0.370	90.860	1820.92	-2.71	3.43	14.30	2165688.30	151042.43	0.10	
2201.00	0.260	59.550	2200.91	-3.03	3.85	16.27	2165690.27	151042.85	0.05	
2264.00	1.920	3.470	2263.90	-4.15	4.97	16.46	2165690.46	151043.98	2.84	
2296.00	3.580	3.020	2295.86	-5.68	6.51	16.54	2165690.54	151045.51	5.19	
2328.00	5.090	355.540	2327.77	-8.09	8.92	16.48	2165690.49	151047.92	5.03	
2359.00	5.860	358.790	2358.63	-11.05	11.87	16.34	2165690.34	151050.87	2.68	
2391.00	6.180	357.390	2390.45	-14.40	15.23	16.23	2165690.23	151054.23	1.10	
2422.00	6.200	359.010	2421.27	-17.74	18.57	16.13	2165690.13	151057.57	0.57	
2454.00	6.300	357.730	2453.08	-21.22	22.05	16.03	2165690.03	151061.05	0.54	
2486.00	6.160	355.620	2484.89	-24.70	25.52	15.83	2165689.83	151064.52	0.84	
2517.00	6.270	356.280	2515.71	-28.05	28.86	15.59	2165689.59	151067.87	0.42	
2549.00	6.510	357.020	2547.51	-31.61	32.42	15.38	2165689.38	151071.42	0.79	
2581.00	7.230	357.410	2579.28	-35.44	36.24	15.20	2165689.20	151075.24	2.25	
2675.00	7.410	358.530	2672.51	-47.42	48.21	14.77	2165688.77	151087.21	0.24	
2739.00	7.270	359.500	2735.99	-55.59	56.39	14.63	2165688.63	151095.39	0.29	
2802.00	7.080	357.320	2798.50	-63.45	64.25	14.42	2165688.42	151103.25	0.53	
2865.00	7.170	356.830	2861.01	-71.27	72.05	14.02	2165688.02	151111.06	0.17	
2960.00	6.970	357.330	2955.29	-82.96	83.73	13.42	2165687.42	151122.74	0.22	
3055.00	6.560	358.670	3049.63	-94.15	94.92	13.03	2165687.03	151133.92	0.46	
3149.00	6.360	359.320	3143.03	-104.72	105.49	12.84	2165686.84	151144.49	0.23	
3244.00	5.790	1.060	3237.50	-114.76	115.54	12.87	2165686.87	151154.55	0.63	
3339.00	5.190	358.860	3332.06	-123.83	124.63	12.87	2165686.87	151163.63	0.67	
3434.00	4.850	352.360	3426.70	-132.13	132.91	12.25	2165686.25	151171.91	0.70	
3529.00	3.990	345.140	3521.41	-139.37	140.08	10.87	2165684.87	151179.09	1.08	
3624.00	3.570	336.510	3616.21	-145.37	145.99	8.84	2165682.84	151184.99	0.74	
3719.00	3.300	338.390	3711.04	-150.72	151.24	6.66	2165680.66	151190.25	0.31	
3814.00	1.350	326.450	3805.95	-154.28	154.72	5.03	2165679.03	151193.72	2.10	
3909.00	1.190	336.020	3900.93	-156.16	156.55	4.01	2165678.01	151195.56	0.28	
4004.00	1.060	322.930	3995.91	-157.80	158.15	3.08	2165677.08	151197.16	0.30	

4099.00	0.370	215.670	4090.91	-158.29	158.61	2.37	2165676.37	151197.61	1.29
4193.00	1.460	164.580	4184.89	-156.88	157.21	2.51	2165676.51	151196.21	1.34
4225.00	4.170	189.830	4216.85	-155.35	155.67	2.42	2165676.42	151194.67	9.11
4257.00	5.020	160.560	4248.75	-152.87	153.20	2.69	2165676.69	151192.20	7.69
4288.00	7.500	161.040	4279.57	-149.63	150.01	3.80	2165677.80	151189.01	8.00
4320.00	10.160	160.000	4311.19	-144.93	145.38	5.44	2165679.44	151184.38	8.33
4351.00	13.210	159.600	4341.54	-138.93	139.49	7.61	2165681.61	151178.49	9.84
4383.00	15.560	161.230	4372.53	-131.32	132.00	10.27	2165684.27	151171.00	7.45
4414.00	18.050	162.420	4402.21	-122.67	123.48	13.06	2165687.06	151162.48	8.11



Actual Wellpath Report

Sandridge Donna Mae 3406 1-23H (Unit 310)_Final Surveys.
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Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Donna Mae 3406 1-23H (Unit 310) Actual
Facility	Donna Mae 3406 1-23H Sec. 23-34S-6W		

WELLPATH DATA (124 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
4446.00	19.820	164.800	4432.48	-112.58	113.52	15.98	2165689.98	151152.52	6.03	
4478.00	23.070	165.200	4462.26	-101.14	102.22	19.00	2165693.00	151141.22	10.17	
4509.00	25.560	165.010	4490.50	-88.66	89.88	22.28	2165696.29	151128.89	8.04	
4541.00	27.890	165.450	4519.08	-74.58	75.97	25.95	2165699.95	151114.97	7.31	
4573.00	29.720	166.590	4547.12	-59.45	61.01	29.67	2165703.67	151100.01	5.97	
4604.00	32.010	167.740	4573.73	-43.79	45.50	33.20	2165707.20	151084.50	7.63	
4636.00	34.360	170.260	4600.51	-26.45	28.31	36.53	2165710.53	151067.31	8.51	
4668.00	36.550	171.410	4626.58	-8.01	9.99	39.48	2165713.48	151048.99	7.15	
4699.00	38.640	173.920	4651.14	10.84	-8.77	41.88	2165715.89	151030.23	8.36	
4731.00	40.280	175.530	4675.85	31.16	-29.02	43.75	2165717.75	151009.98	6.04	
4762.00	42.620	174.810	4699.08	51.67	-49.46	45.48	2165719.48	150989.53	7.70	
4794.00	45.070	173.430	4722.16	73.80	-71.51	47.76	2165721.76	150967.49	8.22	
4826.00	48.400	171.760	4744.09	97.02	-94.61	50.77	2165724.77	150944.38	11.08	
4857.00	50.700	170.310	4764.20	120.48	-117.91	54.45	2165728.45	150921.08	8.23	
4872.00†	52.143	169.836	4773.55	132.11	-129.46	56.47	2165730.47	150909.53	9.93	Cross HL 4872 MD (4774 TVD) X:2165730 Y:150910 330 FNL 795 FEL
4889.00	53.780	169.320	4783.79	145.57	-142.81	58.93	2165732.93	150896.19	9.93	
4920.00	56.460	169.940	4801.52	170.78	-167.82	63.50	2165737.50	150871.17	8.80	
4952.00	58.770	170.710	4818.66	197.61	-194.46	68.04	2165742.04	150844.53	7.50	
4983.00	60.120	171.970	4834.42	224.16	-220.85	72.06	2165746.06	150818.14	5.59	
5015.00	62.220	172.380	4849.85	252.09	-248.62	75.87	2165749.87	150790.37	6.66	
5047.00	64.690	172.240	4864.15	280.61	-276.99	79.70	2165753.71	150762.00	7.73	
5078.00	67.010	172.460	4876.83	308.80	-305.02	83.47	2165757.47	150733.97	7.51	
5110.00	69.220	171.700	4888.75	338.37	-334.43	87.56	2165761.56	150704.56	7.25	
5142.00	71.080	171.550	4899.62	368.33	-364.20	91.94	2165765.95	150674.78	5.83	
5174.00	73.130	170.880	4909.45	398.62	-394.30	96.60	2165770.60	150644.69	6.71	
5205.00	75.290	171.580	4917.89	428.29	-423.78	101.14	2165775.15	150615.21	7.30	
5237.00	77.080	171.360	4925.53	459.21	-454.51	105.75	2165779.76	150584.48	5.63	
5268.00	79.850	172.370	4931.73	489.45	-484.57	110.05	2165784.05	150554.41	9.49	
5333.00	83.350	173.700	4941.22	553.58	-548.39	117.84	2165791.85	150490.59	5.75	
5396.00	83.700	173.990	4948.33	616.07	-610.62	124.55	2165798.56	150428.35	0.72	
5459.00	84.110	173.320	4955.02	678.60	-672.88	131.48	2165805.48	150366.09	1.24	
5523.00	84.190	172.830	4961.54	742.10	-736.09	139.15	2165813.16	150302.88	0.77	
5575.00	84.880	172.980	4966.49	793.73	-787.45	145.55	2165819.55	150251.52	1.36	
5617.00	85.810	173.020	4969.90	835.48	-829.00	150.65	2165824.65	150209.96	2.22	
5715.00	87.470	173.980	4975.64	933.11	-926.20	161.72	2165835.73	150112.76	1.96	
5810.00	89.110	177.210	4978.48	1028.01	-1020.86	169.01	2165843.02	150018.10	3.81	

5873.00	90.620	178.630	4978.63	1091.01	-1083.82	171.30	2165845.30	149955.14	3.29
5968.00	90.460	178.450	4977.73	1185.97	-1178.78	173.72	2165847.73	149860.17	0.25
6063.00	90.630	178.310	4976.83	1280.95	-1273.74	176.40	2165850.41	149765.21	0.23
6126.00	89.480	179.470	4976.77	1343.91	-1336.73	177.62	2165851.63	149702.22	2.59
6189.00	90.120	179.770	4976.99	1406.86	-1399.72	178.04	2165852.05	149639.22	1.12
6284.00	88.770	179.030	4977.91	1501.77	-1494.71	179.04	2165853.04	149544.23	1.62
6379.00	88.180	179.110	4980.44	1596.69	-1589.66	180.58	2165854.59	149449.27	0.63
6474.00	87.940	178.790	4983.65	1691.58	-1684.59	182.32	2165856.33	149354.34	0.42
6569.00	88.250	178.640	4986.81	1786.50	-1779.52	184.45	2165858.45	149259.41	0.36



Actual Wellpath Report

Sandridge Donna Mae 3406 1-23H (Unit 310)_Final Surveys.
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Facility	Donna Mae 3406 1-23H Sec. 23-34S-6W		

WELLPATH DATA (124 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
6664.00	87.720	179.130	4990.15	1881.39	-1874.44	186.29	2165860.30	149164.49	0.76	
6759.00	88.000	179.880	4993.70	1976.25	-1969.37	187.11	2165861.12	149069.55	0.84	
6853.00	87.810	179.900	4997.13	2070.07	-2063.31	187.30	2165861.30	148975.61	0.20	
6949.00	87.780	179.950	5000.83	2165.89	-2159.23	187.42	2165861.43	148879.68	0.06	
7043.00	88.460	180.690	5003.91	2259.69	-2253.18	186.90	2165860.90	148785.73	1.07	
7138.00	88.980	180.620	5006.03	2354.49	-2348.15	185.81	2165859.82	148690.76	0.55	
7221.00	91.910	179.310	5005.39	2437.38	-2431.14	185.86	2165859.87	148607.77	3.87	
7316.00	91.510	178.580	5002.55	2532.29	-2526.08	187.61	2165861.62	148512.82	0.88	
7411.00	91.320	179.020	5000.21	2627.22	-2621.03	189.60	2165863.61	148417.87	0.50	
7505.00	90.400	179.160	4998.80	2721.15	-2715.01	191.09	2165865.10	148323.89	0.99	
7569.00	89.750	179.100	4998.71	2785.11	-2779.00	192.06	2165866.07	148259.89	1.02	
7664.00	89.490	178.580	4999.34	2880.07	-2873.98	193.99	2165867.99	148164.91	0.61	
7727.00	90.030	178.780	4999.61	2943.05	-2936.96	195.44	2165869.44	148101.93	0.91	
7822.00	89.200	178.150	5000.25	3038.02	-3031.92	197.98	2165871.99	148006.96	1.10	
7917.00	89.690	178.070	5001.17	3133.00	-3126.86	201.11	2165875.12	147912.01	0.52	
8012.00	88.770	178.070	5002.44	3227.98	-3221.80	204.31	2165878.32	147817.07	0.97	
8107.00	89.660	178.210	5003.74	3322.95	-3316.74	207.40	2165881.41	147722.13	0.95	
8201.00	88.980	178.890	5004.86	3416.92	-3410.70	209.78	2165883.78	147628.16	1.02	
8296.00	89.170	178.420	5006.39	3511.87	-3505.66	212.01	2165886.01	147533.20	0.53	
8391.00	89.380	178.470	5007.60	3606.84	-3600.62	214.58	2165888.59	147438.24	0.23	
8467.00	89.200	178.630	5008.54	3682.81	-3676.59	216.51	2165890.51	147362.26	0.32	
8549.00	88.830	179.370	5009.95	3764.76	-3758.57	217.94	2165891.95	147280.28	1.01	
8644.00	89.570	179.360	5011.27	3859.67	-3853.55	218.99	2165893.00	147185.30	0.78	
8739.00	87.340	179.520	5013.83	3954.56	-3948.50	219.92	2165893.93	147090.34	2.35	
8770.00	86.740	179.320	5015.44	3985.49	-3979.46	220.23	2165894.24	147059.38	2.04	
8866.00	87.720	180.020	5020.07	4081.28	-4075.35	220.78	2165894.79	146963.49	1.25	
8961.00	88.340	179.680	5023.34	4176.12	-4170.29	221.03	2165895.04	146868.54	0.74	
9056.00	88.340	179.790	5026.09	4270.99	-4265.25	221.47	2165895.48	146773.58	0.12	
9151.00	89.170	179.820	5028.16	4365.86	-4360.22	221.79	2165895.80	146678.60	0.87	
9246.00	89.630	180.900	5029.15	4460.70	-4455.22	221.20	2165895.21	146583.61	1.24	
9341.00	89.540	181.420	5029.84	4555.47	-4550.19	219.27	2165893.28	146488.63	0.56	
9436.00	89.820	181.900	5030.37	4650.17	-4645.15	216.52	2165890.53	146393.66	0.58	
9472.00	89.630	183.050	5030.54	4686.01	-4681.12	214.97	2165888.98	146357.70	3.24	
9520.00	89.630	183.050	5030.85	4733.76	-4729.05	212.41	2165886.42	146309.76	0.00	ABHL 9520 MD (5031 TVD) X:2165886 Y:146310 VS:4734 333 FSL 685 FEL



Actual Wellpath Report

Sandridge Donna Mae 3406 1-23H (Unit 310)_Final Surveys.
Page n of nn



REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Donna Mae 3406 1-23H (Unit 310)
Area	Kansas	Well	200 FNL 850 FEL
Field	Harper County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Donna Mae 3406 1-23H (Unit 310) Actual
Facility	Donna Mae 3406 1-23H Sec. 23-34S-6W		

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
PBHL 330 FSL 660 FWL		5063.90	-4730.81	235.99	2165910.00	146308.00	37°04'01.522"N	97°55'53.092"W	point

WELLPATH COMPOSITION - Ref Wellbore: Donna Mae 3406 1-23H (Unit 310) Actual Ref Wellpath: AWP (Final)				
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
18.00	650.00	Custom Drift Indicator (1.0 Max)	Rig Surveys (Inc Only)	Donna Mae 3406 1-23H (Unit 310) Actual
650.00	9472.00	NaviTrak (Standard)	INTEQ - MWD	Donna Mae 3406 1-23H (Unit 310) Actual
9472.00	9520.00	Blind Drilling (std)	Projection to bit	Donna Mae 3406 1-23H (Unit 310) Actual



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

TICKET

TICKET NUMBER: WY-133-1
 TICKET DATE: 10/12/2013

ELECTRONIC

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

YARD: WY WAYNOKA OK
 LEASE: Donna Mae 3406
 WELL#: 1-23H
 RIG #: Unit 310
 Co/St: HARPER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
10/11-12/2013 DRILLED 30" CONDUCTOR HOLE			
10/11-12/2013 20" CONDUCTOR PIPE (.250 WALL)			
10/11-12/2013 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
10/11-12/2013 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
10/11-12/2013 DRILLED 20" MOUSE HOLE (PER FOOT)			
10/11-12/2013 16" CONDUCTOR PIPE (.250 WALL)			
10/11-12/2013 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
10/11-12/2013 WELDING SERVICES FOR PIPE & LIDS			
10/11-12/2013 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
10/11-12/2013 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
10/11-12/2013 10 YDS OF 10 SACK GROUT			5,400.00
10/11-12/2013 TAXABLE ITEMS			11,550.00
10/11-12/2013 BID - TAXABLE ITEMS			
		Sub Total:	16,950.00
		Tax HARPER COUNTY (6.15 %):	332.10
		TICKET TOTAL:	\$ 17,282.10

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

Approved Signature _____

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OCT 30 2013

HALLIBURTON

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3122688	Quote #:	Sales Order #: 900831630
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep:	
Well Name: DONNA MAE 3406	Well #: 1-23H	API/UWI #:	
Field:	City (SAP): BLUFF CITY	County/Parish: Harper	State: Kansas
Contractor: UNIT		Rig/Platform Name/Num: 310	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: GUSTKE, GREGORY		Srvc Supervisor: PROVINES, TYLER	MBU ID Emp #: 523867

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AUSTIN, TERENCE Eugene	0.0	518170	PROVINES, TYLER Wesley	0.0	523867	TURNER, DANIEL J	0.0	461812

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
10-18-13	3.5	.5	10-19-13	1.5	1			
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
					18 - Oct - 2013	15:00	CST
Form Type			BHST	On Location	18 - Oct - 2013	20:30	CST
Job depth MD	655. ft		Job Depth TVD	Job Started	19 - Oct - 2013	23:30	CST
Water Depth			Wk Ht Above Floor	Job Completed	19 - Oct - 2013	00:17	CST
Perforation Depth (MD)	From		To	Departed Loc	19 - Oct - 2013	01:30	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.	700.		
9.625" Surface Casing	Unknown	1050	9.625	8.921	36.	LTC	J-55		700.		
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	9.625	1	hes
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9.625	1	hes
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 ft3/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			bbl	8.33	.0	.0	.0		
2	Lead Cement	EXTENDACEM (TM) SYSTEM (452981)		sacks	12.4	2.12	11.68		11.68	
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
	0.25 lbm	POLY-E-FLAKE (101216940)								
	11.681 Gal	FRESH WATER								
3	Tail Cement	SWIFTCEM (TM) SYSTEM (452990)		sacks	15.6	1.19	5.3		5.3	
	1 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
	0.125 lbm	POLY-E-FLAKE (101216940)								
	5.302 Gal	FRESH WATER								
4	Displacement			bbl	8.33	.0	.0	.0		
Calculated Values		Pressures			Volumes					
Displacement	47.24	Shut In: Instant		Lost Returns	0	Cement Slurry	104	Pad		
Top Of Cement	surface	5 Min		Cement Returns	20	Actual Displacement	48	Treatment		
Frac Gradient		15 Min		Spacers	10	Load and Breakdown		Total Job		
Rates										
Circulating		Mixing	5	Displacement	5	Avg. Job	5			
Cement Left In Pipe	Amount	46 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						

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3122688	Quote #:	Sales Order #: 900831630
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep:	
Well Name: DONNA MAE 3406	Well #: 1-23H	API/UWI #:	
Field:	City (SAP): BLUFF CITY	County/Parish: Harper	State: Kansas
Legal Description:			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: UNIT		Rig/Platform Name/Num: 310	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: GUSTKE, GREGORY		Srvc Supervisor: PROVINES, TYLER	MBU ID Emp #: 523867

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/18/2013 15:00							
Pre-Convoy Safety Meeting	10/18/2013 16:30							discussed routs and stops
Arrive At Loc	10/18/2013 20:30							rig had drill pipe out of hole rigging up laydown machine and casers couldnt get into location laydown machine blocking off trucks
Assessment Of Location Safety Meeting	10/18/2013 20:45							look for trip hazards and backing, go over numbers w/ co man
Wait on Customer or Customer Sub-Contractor Equip	10/18/2013 20:50							to rig up and run casing. rig down and move for hes
Start In Hole	10/18/2013 20:55							with 9 5/8 36# casing
Casing on Bottom	10/18/2013 22:25							put on cement head circulated with rig
Wait on Customer or Customer Sub-Contractor Equipm	10/18/2013 22:45							casing crew and lay down machine rigging down
Pre-Rig Up Safety Meeting	10/18/2013 23:00							watch pinch points, team lift and use tag lines were needed
Rig-Up Completed	10/18/2013 23:15							
Pre-Job Safety Meeting	10/18/2013 23:20							with all on location. chained head down to rig floor
Start Job	10/18/2013 23:30							
Test Lines	10/18/2013 23:32							3000 psi

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Spacer 1	10/18/2013 23:35		5	10	10		89.0	fresh water
Pump Lead Cement	10/18/2013 23:39		5	71	71		111.0	265 saks @ 11.8ppg
Pump Tail Cement	10/18/2013 23:50		5	42	42		155.0	100 saks @ 15.2ppg
Drop Plug	10/19/2013 00:05							top plug
Pump Displacement - Start	10/19/2013 00:07		5	37	37		175.0	rig supplied fresh water, slow rate @ 37bbl to 3bpm
Pump Displacement - End	10/19/2013 00:17		3	10	10		330.0	rate slowed to 3bpm for last 10bbl's, total displacement 47bbl's
Bump Plug	10/19/2013 00:20						1050.0	bumped plug @ 330 took to 1050
Check Floats	10/19/2013 00:25							ok got back 1/2 bbl
End Job	10/19/2013 00:35							total cement returns 20 bbl
Post-Job Safety Meeting (Pre Rig-Down)	10/19/2013 00:45							
Rig-Down Completed	10/19/2013 01:05							
Pre-Convoy Safety Meeting	10/19/2013 01:30							
Crew Leave Location	10/19/2013 01:45							THANKS FOR CALLING HALLIBURTON AND CREW

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NOV 7 2013

HALLIBURTON

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3122688	Quote #:	Sales Order #: 900834682
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Donna Mae 3406	Well #: 1-23H	API/UWI #:	
Field:	City (SAP): BLUFF CITY	County/Parish: Harper	State: Kansas
Legal Description: Section 23 Township 34S Range 6W			
Contractor: UNIT		Rig/Platform Name/Num: 310	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: PROVINES, TYLER	MBU ID Emp #: 523867

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
PROVINES, TYLER Wesley	0.0	523867	STANGL, TIMOTHY David Loui	0.0	333480	TURNER, DANIEL J	0.0	461812

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
10-28-13	8.5	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	5639. ft		BHST	On Location	28 - Oct - 2013	02:00	CST
Job depth MD			Job Depth TVD	Job Started	28 - Oct - 2013	07:55	CST
Water Depth			Wk Ht Above Floor	Job Completed	28 - Oct - 2013	09:00	CST
Perforation Depth (MD)	From	To		Departed Loc	28 - Oct - 2013	10:30	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				700.	5639.		
7" Intermediate Casing	Unknown	1622	7.	6.276	26.	LTC	P-110		5639.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55		700.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	hes
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	7	1	hes
Stage Tool										Centralizers			

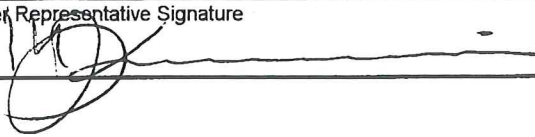
Miscellaneous Materials

Gelling Agt	300lb	Conc	Surfactant	Conc	Acid Type	Caustic Beads	Qty	50lb	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									
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	HES Supplied Gel Water		30.00	bbl	8.33	.0	.0	5	
	1.66 lbm/bbl	CAUSTIC SODA BEADS, 50 LB SK (100003650)							
	10 lbm/bbl	AQUAGEL - 100 LB BAG (101252566)							
2	Lead Cement	ECONOCEM (TM) SYSTEM (452992)	180.0	sacks	13.6	1.53	7.46	5	7.46
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 %	BENTONITE, BULK (100003682)							
	7.459 Gal	FRESH WATER							
3	Tail Cement	HALCEM (TM) SYSTEM (452986)	190.0	sacks	15.6	1.18	5.2	5	5.2
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	5.197 Gal	FRESH WATER							
4	Displacement		214	bbl	8.33	.0	.0	6	
Calculated Values		Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	5	Displacement	6	Avg. Job			5.5
Cement Left In Pipe	Amount	89 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID	ID	ID
The Information Stated Herein Is Correct				Customer Representative Signature					



The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 3122688	Quote #:	Sales Order #: 900834682
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Webster, John	
Well Name: Donna Mae 3406	Well #: 1-23H	API/UWI #:	
Field:	City (SAP): BLUFF CITY	County/Parish: Harper	State: Kansas
Legal Description: Section 23 Township 34S Range 6W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: UNIT		Rig/Platform Name/Num: 310	
Job Purpose: Cement Intermediate Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: FRENCH, JEREMY		Srvc Supervisor: PROVINES, TYLER	MBU ID Emp #: 523867

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	10/27/2013 21:00							
Pre-Convoy Safety Meeting	10/27/2013 22:00							discussed routs and stops
Arrive at Location from Other Job or Site	10/28/2013 02:00							Rig was running casin
Assessment Of Location Safety Meeting	10/28/2013 02:15							look for trip hazards and backing decided how to spot in tested water
Wait on Customer or Customer Sub-Contractor Equip	10/28/2013 02:15							to rig up and run casing. rig down and move for hes
Casing on Bottom	10/28/2013 06:15							put on cement head circulated with rig
Pre-Rig Up Safety Meeting	10/28/2013 06:25							watch pinch points, team lift and use tag lines were needed
Rig-Up Completed	10/28/2013 07:00							
Pre-Job Safety Meeting	10/28/2013 07:55							with all on location. chained head down to rig floor
Test Lines	10/28/2013 08:07							5000 psi
Start Job	10/28/2013 08:07							
Pump Spacer 1	10/28/2013 08:10		5	30	30		465.0	Gel/Caustic Spacer
Pump Lead Cement	10/28/2013 08:16		5	49	79		504.0	180 sks @13.6ppg
Pump Tail Cement	10/28/2013 08:21		5	40	119		250.0	190 sks @15.6
Drop Plug	10/28/2013 08:34							top plug
Pump Cement - Start	10/28/2013 08:35		6	203	322		77.0	fresh water

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement - End	10/28/2013 09:07		3	11	333		830.0	Slow Rate @ 203 to 3bpm, total Displacement of 214
Bump Plug	10/28/2013 09:12						1622.0	bumped plug @ 860 took to 1622
End Job	10/28/2013 09:13							
Check Floats	10/28/2013 09:17							ok got back 1 bbl
Post-Job Safety Meeting (Pre Rig-Down)	10/28/2013 09:30							watch for pinch points use tag lines where needed
Rig-Down Completed	10/28/2013 10:00							
Pre-Convoy Safety Meeting	10/28/2013 10:15							
Crew Leave Location	10/28/2013 10:30							THANKS FOR CALLING HALLIBURTON AND CREW

Section 14
34S 6W

Section 13
34S 6W

DONNA MAE 3406 1-23H

Miss Entry: 4735'
-97.932307 37.080033

STACEY 1-23 SWD

STACEY 2-23 SWD

Top Perf: 6084'
-97.93176 37.076655

Section 23
34S 6W

Harper County

Section 24
34S 6W

Bottom Perf: 9196'
-97.931386 37.068264

BHL: 9520'
-97.931393 37.06726

386' FSL 525' FEL

Section 26
34S 6W

Section 25
34S 6W



Actual Bottom-Hole Location of Donna Mae 3406 1-23H
Harper County, Kansas
T&R: 34S 6W
Section: 23, 525' FEL & 386' FSL
-97.931393 37.06726

1 in = 657 ft

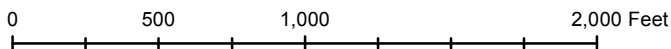


● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Aaron Birk

Draft Date: 2/3/2014

Drawing Name/Number:

Addendum_Donna Mae 3406 1-23H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502