



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1195394
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: _____

1195394

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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Danielle 3406 2-17H
Doc ID	1195394

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5431-5433		
5	5488-5490		
5	5573-5575		
5	5628-5630		
5	5684-5686		
5	5765-5767		
5	5850-5852		
5	5936-5938		
5	5989-5991		
5	6064-6066		
5	6147-6149		
5	6212-6214		
5	6288-6290		
5	6396-6398		
5	6488-6490		
5	6558-6560		
5	6620-6622		
5	6689-6691		
5	6749-6751		
5	6799-6801		
5	6934-6936		
5	7010-7012		
5	7080-7140		
5	7190-7192		

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Danielle 3406 2-17H
Doc ID	1195394

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	7265-7267		
5	7322-7324		
5	7389-7391		
5	7477-7479		
5	7550-7552		
5	7622-7624		
5	7680-7682		
5	7742-7744		
5	7804-7806		
5	7881-7883		
5	7992-7992		
5	8084-8050		
5	8122-8124		
5	8216-8218		
5	8316-8386		
5	8462-8464		
5	8539-8541		
5	8614-8616		
5	8692-8694		



Standard Wellpath Report
Sandridge
Sec 17 - 34S - 6W, Kansas
Harper County
Wellbore: Danielle 3406 2-17H (Actual)

Wellbore

Name	Created	Last Revised
Danielle 3406 2-17H (Actual)	17-Dec-2013	13-Jan-2014

Well

Name	Government ID	Last Revised
Danielle 3406 2-17H		17-Dec-2013

Slot

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Danielle 3406 2-17H	156045.0000	2149659.0000	N37 5 38.7231	W97 59 12.9223	222.99S	957.97W

Installation

Name	Easting	Northing	Coord System Name	North Alignment
Harper County	2150617.0000	156268.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Field

Name	Easting	Northing	Coord System Name	North Alignment
Sec 17 - 34S - 6W	2150617.0000	156268.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

Created By

Comments

FINAL SURVEYS:
MD 9064 is a projection to bit @ TD



Standard Wellpath Report
 Sandridge
 Sec 17 - 34S - 6W, Kansas
 Harper County
 Wellbore: Danielle 3406 2-17H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	2149659.00	156045.00
951.00	0.20	88.700	951.00	0.04N	1.66E	0.02	0.09	2149660.66	156045.04
1315.00	0.50	122.700	1314.99	0.81S	3.63E	0.10	1.08	2149662.63	156044.19
1789.00	0.80	132.100	1788.96	4.14S	7.83E	0.07	4.72	2149666.83	156040.86
2264.00	0.80	94.500	2263.92	6.63S	13.59E	0.11	7.64	2149672.59	156038.37
2736.00	0.80	74.500	2735.87	6.00S	20.05E	0.06	7.51	2149679.05	156039.00
3209.00	0.90	103.300	3208.82	5.98S	26.85E	0.09	7.99	2149685.85	156039.02
3557.00	0.70	79.700	3556.79	6.22S	31.60E	0.11	8.60	2149690.60	156038.78
3620.00	2.00	86.700	3619.77	6.09S	33.08E	2.08	8.58	2149692.08	156038.91
3651.00	3.80	86.800	3650.73	6.00S	34.64E	5.81	8.61	2149693.64	156039.00
3683.00	5.60	88.100	3682.62	5.89S	37.26E	5.63	8.70	2149696.26	156039.11
3714.00	7.70	90.300	3713.41	5.85S	40.85E	6.82	8.93	2149699.85	156039.15
3746.00	10.10	94.000	3745.02	6.06S	45.80E	7.71	9.51	2149704.80	156038.94
3777.00	12.40	95.000	3775.43	6.54S	51.82E	7.45	10.45	2149710.83	156038.46
3809.00	14.80	95.400	3806.53	7.22S	59.32E	7.51	11.70	2149718.32	156037.78
3840.00	17.00	96.300	3836.34	8.09S	67.76E	7.14	13.21	2149726.77	156036.91
3872.00	19.00	96.900	3866.77	9.23S	77.59E	6.28	15.09	2149736.59	156035.77
3903.00	20.80	97.700	3895.92	10.58S	88.05E	5.87	17.22	2149747.05	156034.42
3935.00	23.40	97.000	3925.56	12.11S	99.99E	8.17	19.65	2149758.99	156032.89
3967.00	25.60	100.300	3954.68	14.12S	113.10E	8.09	22.65	2149772.11	156030.88
3998.00	27.40	106.300	3982.43	17.32S	126.54E	10.40	26.86	2149785.55	156027.68
4030.00	28.20	112.400	4010.74	22.27S	140.60E	9.23	32.86	2149799.61	156022.73
4061.00	28.50	118.300	4038.03	28.57S	153.89E	9.09	40.15	2149812.89	156016.43
4093.00	28.90	124.500	4066.10	36.57S	166.99E	9.38	49.12	2149825.99	156008.43
4124.00	28.90	130.500	4093.25	45.68S	178.86E	9.35	59.10	2149837.86	155999.32
4156.00	28.40	136.300	4121.34	56.21S	190.00E	8.83	70.44	2149849.00	155988.79
4187.00	27.80	142.700	4148.69	67.29S	199.47E	9.91	82.21	2149858.48	155977.71
4219.00	27.40	147.800	4177.05	79.46S	207.92E	7.49	94.99	2149866.93	155965.54
4251.00	26.90	147.600	4205.53	91.80S	215.72E	1.59	107.88	2149874.73	155953.19
4282.00	27.80	147.200	4233.06	103.80S	223.40E	2.96	120.43	2149882.41	155941.20
4314.00	30.30	147.600	4261.03	116.89S	231.77E	7.84	134.12	2149890.77	155928.10
4346.00	32.70	148.400	4288.31	131.07S	240.62E	7.61	148.93	2149899.63	155913.92
4377.00	35.50	150.300	4313.98	146.02S	249.47E	9.66	164.51	2149908.48	155898.97
4409.00	38.00	152.300	4339.62	162.82S	258.66E	8.66	181.95	2149917.66	155882.17
4440.00	40.90	155.100	4363.56	180.48S	267.37E	10.97	200.22	2149926.38	155864.51
4472.00	42.90	157.200	4387.38	200.03S	276.00E	7.63	220.36	2149935.01	155844.97
4504.00	44.90	158.200	4410.43	220.55S	284.42E	6.61	241.47	2149943.43	155824.44
4535.00	47.50	160.200	4431.89	241.47S	292.35E	9.59	262.93	2149951.36	155803.52
4567.00	50.20	162.500	4452.95	264.30S	300.05E	10.02	286.27	2149959.06	155780.69
4598.00	51.90	164.100	4472.43	287.39S	306.97E	6.80	309.82	2149965.98	155757.60
4630.00	53.60	166.100	4491.80	312.00S	313.51E	7.28	334.86	2149972.52	155732.99
4661.00	55.20	169.200	4509.85	336.62S	318.90E	9.63	359.82	2149977.91	155708.37
4693.00	57.30	171.900	4527.63	362.86S	323.26E	9.61	386.31	2149982.27	155682.12
4724.00	59.00	173.900	4543.99	388.99S	326.51E	7.75	412.61	2149985.52	155655.99
4756.00	62.10	174.800	4559.72	416.72S	329.25E	9.99	440.47	2149988.26	155628.27
4787.00	65.40	175.200	4573.43	444.41S	331.67E	10.71	468.27	2149990.68	155600.57
4819.00	68.90	175.900	4585.86	473.81S	333.95E	11.12	497.75	2149992.96	155571.18
4851.00	72.40	176.100	4596.46	503.92S	336.06E	10.95	527.94	2149995.07	155541.06
4882.00	75.80	175.700	4604.95	533.65S	338.19E	11.04	557.75	2149997.20	155511.33
4914.00	78.90	175.000	4611.96	564.77S	340.72E	9.92	588.96	2149999.73	155480.21
4945.00	80.20	175.900	4617.58	595.16S	343.14E	5.07	619.45	2150002.15	155449.82
4977.00	80.40	176.100	4622.97	626.62S	345.34E	0.88	650.99	2150004.35	155418.35
5009.00	81.70	177.000	4627.95	658.18S	347.24E	4.92	682.60	2150006.25	155386.80
5040.00	84.80	177.800	4631.59	688.93S	348.64E	10.32	713.36	2150007.65	155356.05
5072.00	86.40	178.700	4634.05	720.82S	349.61E	5.73	745.23	2150008.62	155324.16
5166.00	86.30	178.300	4640.03	814.59S	352.07E	0.44	838.93	2150011.08	155230.38
5293.00	86.40	179.000	4648.12	941.30S	355.05E	0.56	965.50	2150014.07	155103.67
5383.00	86.00	178.100	4654.08	1031.07S	357.33E	1.09	1055.18	2150016.34	155013.89
5436.00	86.30	178.100	4657.64	1083.92S	359.08E	0.57	1108.01	2150018.09	154961.04
5527.00	90.50	177.800	4660.18	1174.81S	362.33E	4.63	1198.89	2150021.35	154870.15
5618.00	92.20	180.100	4658.03	1265.76S	364.00E	3.14	1289.70	2150023.01	154779.20
5708.00	91.90	180.400	4654.82	1355.70S	363.61E	0.47	1379.35	2150022.62	154689.25
5799.00	91.50	182.100	4652.12	1446.63S	361.62E	1.92	1469.88	2150020.64	154598.31
5889.00	90.10	182.300	4650.86	1536.56S	358.17E	1.57	1559.28	2150017.18	154508.39
5980.00	89.90	180.500	4650.86	1627.53S	355.95E	1.99	1649.82	2150014.96	154417.41
6070.00	89.90	178.800	4651.02	1717.52S	356.50E	1.89	1739.60	2150015.51	154327.42
6161.00	88.20	179.300	4652.52	1808.49S	358.00E	1.95	1830.42	2150017.02	154236.44
6252.00	89.00	180.000	4654.75	1899.46S	358.56E	1.17	1921.17	2150017.57	154145.47
6342.00	90.30	180.300	4655.30	1989.46S	358.32E	1.48	2010.89	2150017.34	154055.47
6433.00	88.70	181.200	4656.09	2080.44S	357.13E	2.02	2101.52	2150016.15	153964.48

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Danielle 3406 2-17H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 175.650 degrees
 Bottom hole distance is 4724.92 Feet on azimuth 175.50 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 13-Jan-2014



Standard Wellpath Report
 Sandridge
 Sec 17 - 34S - 6W, Kansas
 Harper County
 Wellbore: Danielle 3406 2-17H (Actual)

Wellpath (Grid) Report

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
6529.00	90.30	182.200	4656.93	2176.39S	354.28E	1.97	2196.98	2150013.30	153868.53
6623.00	89.80	182.500	4656.85	2270.31S	350.43E	0.62	2290.34	2150009.44	153774.60
6719.00	88.80	180.300	4658.02	2366.27S	348.09E	2.52	2385.84	2150007.10	153678.64
6814.00	93.00	178.400	4656.53	2461.23S	349.16E	4.85	2480.61	2150008.17	153583.68
6909.00	93.80	177.900	4650.89	2556.01S	352.22E	0.99	2575.35	2150011.24	153488.90
7003.00	91.80	178.200	4646.30	2649.84S	355.42E	2.15	2669.15	2150014.43	153395.07
7097.00	90.60	178.500	4644.33	2743.78S	358.12E	1.32	2763.02	2150017.14	153301.12
7192.00	90.50	179.800	4643.42	2838.76S	359.53E	1.37	2857.84	2150018.55	153206.14
7287.00	90.40	179.000	4642.68	2933.75S	360.53E	0.85	2952.63	2150019.54	153111.14
7381.00	89.90	179.500	4642.43	3027.74S	361.76E	0.75	3046.45	2150020.77	153017.15
7476.00	90.40	179.300	4642.18	3122.74S	362.75E	0.57	3141.24	2150021.77	152922.15
7596.00	90.30	179.700	4641.45	3242.73S	363.80E	0.34	3260.97	2150022.81	152802.15
7691.00	89.20	180.100	4641.86	3337.73S	363.97E	1.23	3355.71	2150022.98	152707.15
7785.00	90.90	180.500	4641.78	3431.72S	363.47E	1.86	3449.40	2150022.49	152613.15
7880.00	90.90	180.500	4640.29	3526.71S	362.64E	==>	3544.05	2150021.66	152518.17
7974.00	87.90	179.100	4641.27	3620.69S	362.97E	3.52	3637.78	2150021.99	152424.18
8068.00	87.30	179.300	4645.21	3714.59S	364.28E	0.67	3731.52	2150023.30	152330.27
8163.00	88.00	179.500	4649.10	3809.51S	365.28E	0.77	3826.24	2150024.29	152235.35
8258.00	89.80	180.000	4650.93	3904.49S	365.69E	1.97	3920.97	2150024.70	152140.37
8352.00	90.20	178.800	4650.93	3998.48S	366.68E	1.35	4014.77	2150025.69	152046.38
8447.00	89.80	178.700	4650.93	4093.46S	368.75E	0.43	4109.63	2150027.76	151951.39
8542.00	89.00	178.700	4651.92	4188.43S	370.90E	0.84	4204.49	2150029.92	151856.42
8637.00	89.90	179.300	4652.84	4283.41S	372.56E	1.14	4299.32	2150031.57	151761.44
8731.00	90.60	179.600	4652.42	4377.40S	373.46E	0.81	4393.11	2150032.48	151667.44
8826.00	91.10	180.100	4651.02	4472.39S	373.71E	0.74	4487.85	2150032.73	151572.45
8920.00	89.50	180.700	4650.52	4566.38S	373.06E	1.82	4581.52	2150032.07	151478.45
9013.00	89.10	181.000	4651.66	4659.36S	371.68E	0.54	4674.13	2150030.69	151385.47
9064.00	89.10	181.000	4652.46	4710.35S	370.79E	==>	4724.90	2150029.80	151334.48

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot (Danielle 3406 2-17H 0.00ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 175.650 degrees
 Bottom hole distance is 4724.92 Feet on azimuth 175.50 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 13-Jan-2014

Sandridge

Installation Harper County

Well Danielle 3406 2-17H

Installation Data

Name	Latitude	Longitude	Northing	Easting
Harper County	N37 5 40 88	W97 58 1 08	156286 00	2150617 00
Kansas State Planes, Southern Zone				

Spot Data

Name	North [ft]	East [ft]	Latitude	Longitude	Northing	Easting
Danielle 3406 2-17H	-222.99 N	-657.97 E	N37 5 38.72	W97 59 12.92	156045 00	2148659 00
Elevation Data						
Spot - Mean Sea Level [ft]	Mean Sea Level - Mudline/Ground level [ft]		Spot - Mudline/Ground level [ft]			
0.00	0.00		0.00			

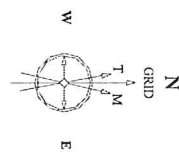
WELL PROFILE DATA

Point	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Te on	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP	3635.00	0.00	3635.00	0.00	0.00	0.00	0.00
End of Build	3924.59	23.17	3916.76	0.00	57.75	8.00	4.37
End of Hold	3994.16	23.17	3989.72	0.00	85.12	0.00	6.45
Target Danielle 3406 2	5096.18	88.00	4642.58	-693.15	357.99	8.00	718.28
Target Danielle 3406 2	5296.19	88.00	4649.56	-893.03	357.99	0.00	917.59
Target Danielle 3406 2	5321.15	90.00	4650.00	-918.20	357.99	8.00	942.69
T.D. & Target Danielle	9113.78	90.00	4650.00	-4710.83	357.99	0.00	4724.41

TARGET DATA

Name	North	East	Position
Danielle 3406 2-17H - 88°	2150017.00 East : 155351.82 North		
Danielle 3406 2-17H - End 88°	2150017.00 East : 155151.54 North		
Danielle 3406 2-17H - LP	2150017.00 East : 155126.77 North		
Danielle 3406 2-17H - BHL	2150017.00 East : 151334.00 North		

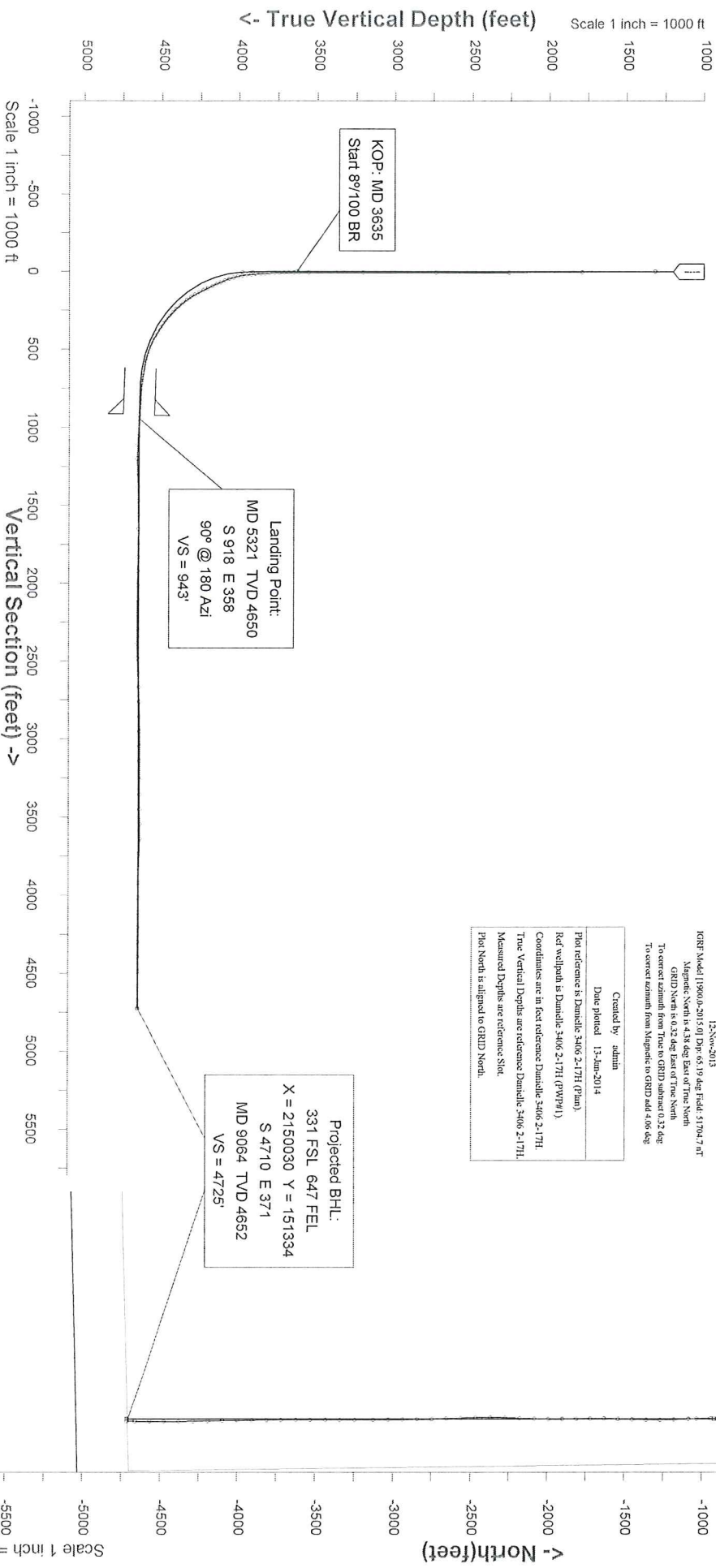
Target Line: 12-17-13
Target: 4650 KBTVD @ 0 VS
90° @ 175.65 Azimuth Plane



12-16-2013
 KOP: Mead [19906-2013] 01 Day 65.19 deg Field: 51704.1 mT
 Magnetic: Swen is 4.38 deg East of True North
 GRID: Swen is 0.32 deg East of True North
 To correct azimuth from True to GRID subtract 0.32 deg
 To correct azimuth from Magnetic to GRID add 4.06 deg

Created by: admin
 Date plotted: 13-Jan-2014
 Plot reference is Danielle 3406 2-17H (PPlan)
 Red wellpath is Danielle 3406 2-17H (PYPPI1)
 Coordinates are in feet reference Danielle 3406 2-17H
 True Vertical Depths are reference Danielle 3406 2-17H
 Measured Depths are reference Slot
 Plot North is aligned to GRID North

Projected BHL:
 331 FSL 647 FEL
 X = 2150030 Y = 151334
 S 4710 E 371
 MD 9064 TVD 4652
 VS = 4725'



East (feet) ->
 Scale 1 inch = 1000 ft
 -1000 -500 0 500
 Surface Location:
 200 FNL 960 FEL
 X = 2149659 Y = 156045

North(feet)
 Scale 1 inch = 1000 ft
 -5000 -4500 -4000 -3500 -3000 -2500 -2000 -1500 -1000 -500 0 500 1000

Vertical Section (feet) ->
 Scale 1 inch = 1000 ft
 -1000 -500 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000

Azimuth 175.65 with reference 0.00 N, 0.00 E from Danielle 3406 2-17H

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	2/12/2014
Job End Date:	2/13/2014
State:	Kansas
County:	Harper
API Number:	15-077-21984-00-00
Operator Name:	SandRidge Energy
Well Name and Number:	Danielle 3406 2-17H
Longitude:	-97.98576000
Latitude:	37.08104000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,660
Total Base Water Volume (gal):	2,741,130
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Operator	Carrier					
			Water	7732-18-5	100.00000	94.94789	
Sand, White, 40/70	Baker Hughes	Proppant					
			Crystalline Silica (Quartz)	14808-60-7	100.00000	4.23421	
HCl, 10.1 - 15%	Baker Hughes	Acidizing					
			Water	7732-18-5	85.00000	0.51207	SmartCare Product
			Hydrochloric Acid	7647-01-0	15.00000	0.09036	SmartCare Product
FRW-15A, tote	Baker Hughes	Friction Reducer					
			Contains non-hazardous ingredients that are shown in the non-MSDS section of this report.	NA	100.00000	0.07201	SmartCare Product
NE-900, tote	Baker Hughes	Non-emulsifier					
			Methanol	67-56-1	30.00000	0.01354	SmartCare Product
			Nonyl phenyl polyethylene glycol ether	9016-45-9	10.00000	0.00451	SmartCare Product
Scaletrol 7208, 330 gal tote	Baker Hughes	Scale Inhibitor					
			Ethylene Glycol	107-21-1	30.00000	0.00753	
Ferrotrol 300L (Totes)	Baker Hughes	Iron Control					
			Citric Acid	77-92-9	60.00000	0.00210	SmartCare Product
CI-27 (260 gal tote)	Baker Hughes	Corrosion Inhibitor					

			Methanol	67-56-1	60.00000	0.00037	
			Thiourea Polymer	68527-49-1	30.00000	0.00019	
			Fatty Acids	Trade Secret	30.00000	0.00019	
			Polyoxyalkylenes	Trade Secret	30.00000	0.00019	
			Propargyl Alcohol	107-19-7	10.00000	0.00006	
			Olefin	Trade Secret	5.00000	0.00003	
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
			Other Chemicals				
			Water	7732-18-5		0.03785	
			Copolymer of Acrylamide and Sodium Acrylate	25987-30-8		0.02881	
			Hydrotreated Light Distillate	64742-47-8		0.02160	
			Copolymer	Trade Secret		0.01805	
			Nonyl Phenol Ethoxylate	127087-87-0		0.00360	
			Sorbitan Monooleate	1338-43-8		0.00360	
			Diethylene Glycol	111-46-6		0.00125	
			Sodium Chloride	7647-14-5		0.00000	
			Formaldehyde	50-00-0		0.00000	
			2-Propenoic, Polymer with Sodium Phosphinate, Sodium Salt	71050-62-9			
			Potassium Chloride	7447-40-7			
			Polyacrylate	Trade Secret			
			Calcium Chloride	10043-52-4			

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

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

JOB SUMMARY			PROJECT NUMBER SOK 3341	TICKET DATE 01/15/14
COUNTY Harper	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Vince	
LEASE NAME Danielle 3406	Well No. 2-17H	JOB TYPE Misc Pumping	EMPLOYEE NAME LOUIS ARNEY	

EMP NAME					
L. ARNEY		0			
V. WATKINS					
D. TEWELL					
0.00					

Form. Name _____ Type: _____

Packer Type _____ Set At 0

Bottom Hole Temp. 150 Pressure _____

Retainer Depth _____ Total Depth 9064

	Called Out	On Location	Job Started	Job Completed
Date	1/15/2014	1/15/2014	1/15/2014	1/15/2014
Time	0600	1130	1347	1600

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data							
	New/Used	Weight	Size	Grade	From To	Max. Allow	
Casing		11.6#	4 1/2"		Surface	9,064	1,500
Liner							
Liner							
Tubing			4"				
Drill Pipe							
Open Hole			6 1/8"		Surface	9,064	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	<u>9</u> Lb/Gal
Disp. Fluid	Fresh Water	Density	<u>8.33</u> Lb/Gal
Spacer type	resh Water BBL.		<u>10</u> <u>8.33</u>
Spacer type	BBL.		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	ln	
NE Agent	Gal.	ln	
Fluid Loss	Gal/Lb	ln	
Gelling Agent	Gal/Lb	ln	
Fric. Red.	Gal/Lb	ln	
MISC.	Gal/Lb	ln	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1/15		1/15		Misc Pumping
Total	<u>0.0</u>	Total	<u>0.0</u>	

Pressures	
MAX <u>1,500</u> PSI	AVG. <u>800</u>
Average Rates in BPM	
MAX <u>6</u> BPM	AVG <u>5</u>
Cement Left in Pipe	
Feet <u>N/A</u>	Reason <u>SHOE JOINT</u>

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	0	0		0	0.00	0.00
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	Lost Returns-N _____	Actual TOC _____	Bump Plug PSI: _____
Average ISIP _____ 5 Min. _____	10 Min. _____	15 Min. _____	Preflush: BBI _____	Load & Bkdn: Gal - BBI _____	Excess /Return BBI _____
			Final Circ. PSI: _____	Cement Slurry: BBI _____	Total Volume BBI _____
					<u>105.00</u>
					<u>10.00</u>
					<u>0</u>
					<u>N/A</u>
					<u>0</u>
					<u>95.00</u>
					<u>1,000</u>

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

Mid-Continent Conductor, LLC

Invoice

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

Date	Invoice #
11/19/2013	2263

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
Parker Waldrige	Net 30	11/19/2013	Danielle 3406 2-17H, Harper Cnty, KS	Latshaw 27

Item	Quantity	Description
Conductor Hole	90	Drilled 90 ft. conductor hole
20" Pipe	90	Furnished 90 ft. of 20 inch conductor pipe
Mouse Hole	10	Drilled 10 ft. mouse hole
Mouse Hole	75	Drilled 75 ft. mouse hole
16" Pipe	85	Furnished 85 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
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 6' X 6' steel cover plate
Permits	1	Permits
		Subtotal \$19,840.00
		Sales Tax (0.0%) \$0.00
		Total \$19,840.00

JOB SUMMARY

PROJECT NUMBER SOK 3341		TICKET DATE 01/15/14	
COUNTY Harper		COMPANY Bridge Exploration & Produc	
State Kansas		CUSTOMER REP Vince	
LEASE NAME Danielle 3406		EMPLOYEE NAME LOUIS ARNEY	
Well No. 2-17H		JOB TYPE Misc Pumping	

EMP NAME	L. ARNEY	0			
V. WATKINS					
D. TEWELL					
0.00					

Form. Name _____ Type: _____
 Packer Type _____ Set At 0
 Bottom Hole Temp. 150 Pressure _____
 Retainer Depth _____ Total Depth 9064

Date	Called Out	On Location	Job Started	Job Completed
	1/15/2014	1/15/2014	1/15/2014	1/15/2014
Time	0600	1130	1347	1600

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	11.6#	4 1/2"		Surface	9,064	1,500
Liner						
Liner						
Tubing		4"				
Drill Pipe						
Open Hole		6 1/8"		Surface	9,064	Shots/Ft.
Perforations						
Perforations						
Perforations						

Materials			
	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	Lb/Gal
Spacer type	resh Water BBL.	10	8.33
Spacer type	BBL.		
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
MISC.	Gal/Lb	In	
Perfpac Balls	Qty.		
Other			
Other			
Other			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
1/15		1/15		Misc Pumping
Total	0.0	Total	0.0	

Pressures			
MAX	1,500 PSI	AVG.	800
Average Rates in BPM			
MAX	6 BPM	AVG	5
Cement Left in Pipe			
Feet	N/A	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	0	0		0	0.00	0.00
2	0	0		0	0.00	0.00
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00
	Lost Returns-N _____	Actual TOC _____	NO/FULL	Load & Bkdn: Gal - BBI _____	N/A
Average	Bump Plug PSI: _____	10 Min _____	15 Min _____	Excess /Return BBI _____	0
ISIP _____	5 Min _____			Calc. TOC: _____	SURFACE
				Final Circ. PSI: _____	1,000
				Cement Slurry: BBI _____	
				Total Volume BBI _____	105.00

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

Wanda Ledbetter

From: Kevin Thompson
Sent: Monday, January 20, 2014 4:17 PM
To: Wanda Ledbetter
Subject: Danielle Wells

The directional drillers used the wrong surface location footages to determine where to TD the Danielle 3406 1-17H and 2-17H wells. As a result, the wells were drilled ~50' too far. The proposed plan to isolate the portion of the wellbore that is out of compliance is to run a frac string and tie into the liner. The wellbore will be pressured up to ensure integrity and then the pressure will be increased to open the P-sleeve at the toe of the liner. A cast iron bridge plug and perforating guns will be pumped downhole. The CIBP will be set below the 1st open hole packer isolating the P-sleeve from the rest of the wellbore. After setting the CIBP, the wellbore will be pressured up to 2000 psi to ensure the CIBP is holding. The wireline will then be pulled out of the hole perforating the 1st stage to be completed. The perforations will all be above the 1st open hole packer so the the toe portion of the well is isolated.

Kevin Thompson
Senior Completions Engineer
Office 2652
SandRidge Energy, Inc.
123 Robert S. Kerr Avenue
Oklahoma City, OK 73102-6404
405-429-6601 office
405-248-8903 mobile



Spud: 12/29/2013

Proposed

Wellbore Schematic

Field Eastham
 County Harper
 State KS
 Well DANIELLE 3406 2-17H
 SH Location SEC 17, TWP 34S, RNG 6W
 Elevations I340' KB: 1317' GL

Original Completion ()	<input checked="" type="checkbox"/>
Current	<input type="checkbox"/>
Workover	<input type="checkbox"/>
Proposed	<input checked="" type="checkbox"/>

15-077-21984
 API No.

Well Bore Data

MD TVD



12-1/4" Hole
 MW: 8.3-9.7 ppg
 MD 716' TVD 716'
 36# J-55 Cplg OD = 10.625" ID = 8.821" Drift = 6.765" Collapse = 2020 Internal Yield = 3520
 Cement w/ 205 sxs 65/65 CIPQZ @ 12.4 ppg (Yield = 2.01), followed by 150 sxs
 Prem Plus C @ 14.8 ppg (Yield = 1.32)

9-3/4" Hole
 MW: 8.5-9.2 ppg
 MD 5230' TVD 5230'

TOC 7" Est.
 @ 3295'

Tab Detail
 KB
 2-7/8" 6.5# J-55 EUE Bdr Ibg
 2-3/32" XN profile nipple w/ 2.205" NO-GO
 1 J 2-7/8" 6.5# J-55 EUE Bdr Ibg
 Top of BHA
 Bottom of BHA

Centrifill ESP on 2-7/8" 6.5# J-55 EUE Bdr Ibg

6-1/8" Hole
 MW: 8.3-8.4 ppg
 TD: 9064' MD / 4652' TVD
 P-Sleeve @ 9463'
 Ball Setting Sub @ 9472'
 CIBP to be set @ 9726'

Tangent from 5120' to 5200'
 Top of Liner 86.2° inclination
 Baker S-3 Liner Top Packer w/ 4" Long JR Sleeve (Min ID: 3.877")

26# P-110: Cplg OD = 7.656" ID = 6.276" Drift = 6.151" Collapse = 6210 Internal Yield = 9560
 Cement w/ 240 sxs 50/50 POZ/Premium mixed at 13.6 ppg (Yield = 1.43), followed by 100 sxs Premium H @ 15.6 ppg (Yield = 1.19), FR, FH
 Set @ 86.2°

1.25 lbs 7" 25# P-110 csg @ 5,419' 4,652'

9.064' 4,652'

9.064' 4,652'

11.5# N-80: Cplg OD = 5.000" ID = 4.000" Drift = 3.875" Collapse = 6350 Internal Yield = 7780
 Liner w/ P-Sleeve, 3 open hole packers, and S-3 Liner top.

9.064' 4,652'