





1141358

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](mailto: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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Circle 3410 2-35H
Doc ID	1141358

All Electric Logs Run

Mudlog
Prizm
Boresight
Induction
Nuclear

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Circle 3410 2-35H
Doc ID	1141358

Tops

Name	Top	Datum
Base Heebner	3621	
Tonkawa	3885	
Cottage Grove	4213	
Oswego Limestone	4508	
Cherokee Group	4604	
Verdigris Limestone	4635	
Mississippi Unconformity	4724	
Mississippi Limestone	4732	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Circle 3410 2-35H
Doc ID	1141358

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8853-9175	1500 gals 15% HCL Acid, 6724 bbls Fresh Slickwater, Running TLTR 6898 bbls	
5	8502-8766	1500 gals 15% HCL Acid, 6134 bbls Fresh Slickwater, Running TLTR 13181 bbls	
5	8110-8384	1500 gals 15% HCL Acid, 5720 bbls Fresh Slickwater, Running TLTR 18937 bbls	
5	7744-8052	1500 gals 15% HCL Acid, 5588 bbls Fresh Slickwater, Running TLTR 24643 bbls	
5	7346-7620	1500 gals 15% HCL Acid, 5724 bbls Fresh Slickwater, Running TLTR 30478 bbls	
5	6976-7260	1500 gals 15% HCL Acid, 5489 bbls Fresh Slickwater, Running TLTR 35967 bbls	
5	6618-6924	1500 gals 15% HCL Acid, 5552 bbls Fresh Slickwater, Running TLTR 41585 bbls	
5	6288-6560	1500 gals 15% HCL Acid, 5485 bbls Fresh Slickwater, Running TLTR 47123 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Circle 3410 2-35H
Doc ID	1141358

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5868-6142	1500 gals 15% HCL Acid, 5475 bbls Fresh Slickwater, Running TLTR 52641 bbls	
5	5524-5800	1500 gals 15% HCL Acid, 5658.5 bbls Fresh Slickwater, Running TLTR 58340.5 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

May 23, 2013

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

Re: ACO1  
API 15-007-24007-01-00  
Circle 3410 2-35H  
NW/4 Sec.35-34S-10W  
Barber 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



Standard Wellpath Report  
Sandridge  
Sec 35 - 34S - 10W, Kansas  
Barber County  
Wellbore: Circle 3410 2-35H (Actual)

**Wellbore**

Name	Created	Last Revised
Circle 3410 2-35H (Actual)	6-May-2013	22-May-2013

**Well**

Name	Government ID	Last Revised
Circle 3410 2-35H		6-May-2013

**Slot**

Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Circle 3410 2-35H	137349.0000	2035703.0000	N37 2 37.7139	W98 22 39.6554	2426.88S	1805.91E

**Installation**

Name	Easting	Northing	Coord System Name	North Alignment
Barber County	2033897.0000	139776.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

**Field**

Name	Easting	Northing	Coord System Name	North Alignment
Sec 35 - 34S - 10W	2033897.0000	139776.0001	KS-S on NORTH AMERICAN DATUM 1927 datum	Grid

**Created By**

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**Comments**

FINAL Surveys MD 9259 is a projection to bit @ TD
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Standard Wellpath Report  
 Sandridge  
 Sec 35 - 34S - 10W, Kansas  
 Barber County  
 Wellbore: Circle 3410 2-35H (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	2035703.00	137349.00
1025.00	0.30	253.800	1025.00	0.75S	2.58W	0.03	-0.83	2035700.42	137348.25
1241.00	0.20	202.300	1240.99	1.26S	3.26W	0.11	-1.35	2035699.74	137347.74
1708.00	0.20	275.800	1707.99	1.93S	4.38W	0.05	-2.06	2035698.62	137347.07
2183.00	0.70	202.400	2182.98	4.53S	6.31W	0.14	-4.72	2035696.69	137344.47
2658.00	1.10	201.200	2657.92	11.46S	9.07W	0.08	-11.73	2035693.93	137337.54
3134.00	0.60	229.200	3133.87	17.35S	12.61W	0.13	-17.73	2035690.39	137331.65
3503.00	0.80	32.800	3502.86	16.44S	12.67W	0.38	-16.82	2035690.33	137332.55
3607.00	0.70	20.000	3606.85	15.24S	12.06W	0.19	-15.60	2035690.94	137333.76
3703.00	0.60	27.900	3702.84	14.24S	11.63W	0.14	-14.59	2035691.37	137334.76
3829.00	0.20	49.500	3828.84	13.52S	11.15W	0.33	-13.85	2035691.85	137335.48
3860.00	0.60	43.800	3859.84	13.36S	11.00W	1.30	-13.69	2035692.00	137335.64
3892.00	2.30	75.000	3891.83	13.08S	10.26W	5.67	-13.38	2035692.74	137335.92
3924.00	4.70	73.900	3923.76	12.55S	8.38W	7.50	-12.80	2035694.62	137336.45
3955.00	7.20	74.100	3954.59	11.66S	5.29W	8.06	-11.82	2035697.71	137337.34
3987.00	9.80	73.900	3986.24	10.36S	0.75W	8.13	-10.38	2035702.25	137338.64
4018.00	12.00	78.300	4016.68	8.97S	4.94E	7.58	-8.82	2035707.94	137340.03
4050.00	13.80	82.700	4047.87	7.81S	11.99E	6.40	-7.44	2035714.99	137341.19
4082.00	15.00	83.900	4078.87	6.89S	19.89E	3.86	-6.28	2035722.89	137342.11
4114.00	15.90	82.900	4109.71	5.91S	28.36E	2.93	-5.04	2035731.36	137343.09
4146.00	16.40	75.900	4140.45	4.26S	37.09E	6.28	-3.13	2035740.09	137344.74
4177.00	17.40	69.000	4170.11	1.54S	45.66E	7.22	-0.14	2035748.67	137347.46
4209.00	19.00	63.100	4200.51	2.54N	54.78E	7.62	4.21	2035757.78	137351.54
4241.00	20.30	57.000	4230.65	7.92N	64.08E	7.58	9.87	2035767.08	137356.92
4272.00	22.20	50.600	4259.55	14.56N	73.12E	9.66	16.79	2035776.12	137363.57
4304.00	24.20	44.900	4288.96	23.05N	82.42E	9.39	25.56	2035785.42	137372.05
4336.00	26.10	40.500	4317.93	33.05N	91.62E	8.33	35.84	2035794.63	137382.05
4367.00	28.10	35.900	4345.53	44.15N	100.33E	9.34	47.20	2035803.34	137393.15
4399.00	30.60	32.600	4373.42	57.12N	109.14E	9.30	60.43	2035812.15	137406.12
4431.00	32.50	28.900	4400.69	71.51N	117.69E	8.47	75.08	2035820.69	137420.51
4462.00	34.30	25.300	4426.57	86.70N	125.45E	8.63	90.50	2035828.45	137435.71
4494.00	36.20	22.200	4452.71	103.61N	132.87E	8.15	107.62	2035835.88	137452.61
4526.00	37.90	19.200	4478.25	121.64N	139.68E	7.75	125.85	2035842.68	137470.65
4557.00	40.00	17.300	4502.36	140.15N	145.77E	7.79	144.54	2035848.78	137489.15
4589.00	42.30	15.700	4526.45	160.34N	151.74E	7.90	164.90	2035854.75	137509.34
4620.00	44.80	14.100	4548.92	180.97N	157.23E	8.81	185.70	2035860.24	137529.98
4652.00	47.30	12.300	4571.12	203.40N	162.48E	8.80	208.28	2035865.49	137552.41
4684.00	49.00	11.000	4592.47	226.75N	167.29E	6.11	231.76	2035870.30	137575.76
4715.00	51.00	10.600	4612.40	250.07N	171.74E	6.53	255.21	2035874.75	137599.08
4747.00	52.90	10.300	4632.12	274.85N	176.31E	5.98	280.12	2035879.32	137623.87
4779.00	55.50	9.400	4650.84	300.42N	180.75E	8.44	305.81	2035883.75	137649.44
4811.00	58.10	8.800	4668.36	326.86N	184.98E	8.28	332.36	2035887.99	137675.88
4842.00	60.50	8.600	4684.19	353.21N	189.01E	7.76	358.82	2035892.02	137702.22
4874.00	62.80	7.600	4699.38	381.08N	192.97E	7.70	386.81	2035895.98	137730.10
4905.00	65.10	6.200	4712.99	408.73N	196.32E	8.46	414.54	2035899.33	137757.75
4936.00	67.70	4.800	4725.40	437.01N	199.04E	9.35	442.89	2035902.04	137786.03
4969.00	70.10	4.100	4737.28	467.70N	201.42E	7.54	473.64	2035904.43	137816.72
5001.00	72.40	2.300	4747.57	497.95N	203.11E	8.95	503.93	2035906.12	137846.97
5033.00	75.20	1.100	4756.50	528.66N	204.02E	9.46	534.65	2035907.03	137877.69
5064.00	78.10	1.300	4763.65	558.81N	204.65E	9.38	564.81	2035907.66	137907.84
5096.00	80.00	1.100	4769.73	590.22N	205.31E	5.97	596.22	2035908.32	137939.25
5128.00	82.30	0.400	4774.65	621.84N	205.72E	7.51	627.84	2035908.73	137970.87
5159.00	84.80	0.700	4778.14	652.64N	206.02E	8.12	658.63	2035909.03	138001.67
5191.00	87.40	359.600	4780.31	684.56N	206.10E	8.82	690.54	2035909.11	138033.59
5223.00	88.20	359.800	4781.54	716.53N	205.93E	2.58	722.50	2035908.94	138065.57
5254.00	88.50	359.700	4782.43	747.52N	205.80E	1.02	753.47	2035908.81	138096.56
5286.00	88.90	359.900	4783.16	779.51N	205.69E	1.40	785.44	2035908.70	138128.55
5317.00	89.10	359.500	4783.70	810.51N	205.52E	1.44	816.41	2035908.53	138159.55
5349.00	89.90	359.200	4783.98	842.50N	205.16E	2.67	848.38	2035908.17	138191.55
5381.00	90.40	358.900	4783.90	874.50N	204.63E	1.82	880.35	2035907.64	138223.54
5412.00	91.30	359.400	4783.44	905.49N	204.17E	3.32	911.31	2035907.18	138254.54
5444.00	91.00	359.500	4782.79	937.48N	203.86E	0.99	943.28	2035906.87	138286.53
5455.00	90.60	359.000	4782.64	948.48N	203.72E	5.82	954.27	2035906.73	138297.53
5539.00	89.10	358.700	4782.86	1032.46N	202.03E	1.82	1038.16	2035905.04	138381.51
5631.00	88.90	358.800	4784.47	1124.43N	200.03E	0.24	1130.02	2035903.04	138473.48
5723.00	89.60	358.800	4785.67	1216.40N	198.10E	0.76	1221.89	2035901.11	138565.46
5815.00	90.10	359.300	4785.91	1308.38N	196.58E	0.77	1313.78	2035899.59	138657.45
5908.00	89.90	358.700	4785.91	1401.37N	194.95E	0.68	1406.68	2035897.96	138750.44
5999.00	90.00	359.200	4785.99	1492.35N	193.29E	0.56	1497.57	2035896.29	138841.43
6091.00	89.00	359.300	4786.79	1584.34N	192.08E	1.09	1589.47	2035895.09	138933.42

All data is in Feet unless otherwise stated  
 Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Circle 3410 2-35H 0.00ft above Mean Sea Level )  
 Vertical Section is from 0.00N 0.00E on azimuth 1.750 degrees  
 Bottom hole distance is 4752.94 Feet on azimuth 1.71 degrees from Wellhead  
 Calculation method uses Minimum Curvature method  
 Prepared by  
 Date Printed: 22-May-2013



Standard Wellpath Report  
 Sandridge  
 Sec 35 - 34S - 10W, Kansas  
 Barber County  
 Wellbore: Circle 3410 2-35H (Actual)

**Wellpath (Grid) Report**

MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Easting	Northing
6183.00	90.10	359.600	4787.52	1676.33N	191.20E	1.24	1681.40	2035894.21	139025.42
6275.00	89.40	0.000	4787.92	1768.33N	190.88E	0.88	1773.34	2035893.89	139117.42
6367.00	90.30	359.800	4788.16	1860.33N	190.72E	1.00	1865.29	2035893.73	139209.42
6458.00	91.60	359.800	4786.65	1951.31N	190.40E	1.43	1956.22	2035893.41	139300.41
6554.00	90.60	359.300	4784.81	2047.29N	189.64E	1.16	2052.13	2035892.65	139396.39
6649.00	90.40	359.500	4783.98	2142.28N	188.65E	0.30	2147.05	2035891.66	139491.39
6745.00	91.20	358.800	4782.64	2238.26N	187.23E	1.11	2242.94	2035890.24	139587.37
6841.00	92.30	358.700	4779.71	2334.19N	185.13E	1.15	2338.76	2035888.14	139683.31
6936.00	92.90	359.000	4775.40	2429.08N	183.23E	0.71	2433.54	2035886.24	139778.19
7031.00	92.80	359.000	4770.67	2523.94N	181.57E	1.11	2528.32	2035884.58	139873.07
7126.00	91.40	359.300	4767.19	2618.87N	180.16E	0.51	2623.15	2035883.17	139968.00
7220.00	91.40	359.300	4764.90	2712.83N	179.02E	==>	2717.04	2035882.02	140061.97
7315.00	89.90	358.100	4763.82	2807.80N	176.86E	2.02	2811.89	2035879.87	140156.93
7411.00	90.10	358.600	4763.82	2903.76N	174.10E	0.56	2907.72	2035877.11	140252.90
7506.00	90.10	358.300	4763.65	2998.72N	171.53E	0.32	3002.56	2035874.54	140347.87
7601.00	90.00	358.200	4763.57	3093.68N	168.63E	0.15	3097.39	2035871.63	140442.83
7696.00	90.10	358.500	4763.49	3188.64N	165.89E	0.33	3192.22	2035868.90	140537.79
7792.00	90.60	358.500	4762.90	3284.60N	163.38E	0.52	3288.06	2035866.39	140633.76
7888.00	89.90	357.800	4762.48	3380.55N	160.28E	1.03	3383.87	2035863.29	140729.72
7984.00	89.80	358.500	4762.73	3476.50N	157.18E	0.74	3479.68	2035860.19	140825.67
8079.00	89.40	358.300	4763.40	3571.46N	154.53E	0.47	3574.51	2035857.53	140920.64
8174.00	89.50	357.500	4764.31	3666.39N	151.05E	0.85	3669.29	2035854.05	141015.57
8268.00	90.30	358.700	4764.47	3760.34N	147.93E	1.53	3763.10	2035850.94	141109.52
8364.00	90.40	359.300	4763.88	3856.32N	146.25E	0.63	3858.99	2035849.26	141205.51
8458.00	91.50	359.800	4762.33	3950.30N	145.52E	1.29	3952.90	2035848.52	141299.50
8553.00	92.00	359.600	4759.43	4045.26N	145.02E	0.57	4047.80	2035848.03	141394.46
8649.00	91.10	359.800	4756.83	4141.22N	144.52E	0.96	4143.70	2035847.52	141490.42
8742.00	91.80	359.100	4754.48	4234.18N	143.62E	1.06	4236.59	2035846.63	141583.39
8837.00	90.10	359.000	4752.90	4329.15N	142.05E	1.79	4331.47	2035845.06	141678.37
8932.00	92.30	359.700	4750.91	4424.12N	140.97E	2.43	4426.36	2035843.98	141773.34
9027.00	92.10	0.000	4747.26	4519.05N	140.72E	0.38	4521.24	2035843.73	141868.27
9122.00	91.90	0.200	4743.95	4613.99N	140.89E	0.30	4616.14	2035843.90	141963.22
9214.00	93.20	0.400	4739.86	4705.90N	141.37E	1.43	4708.02	2035844.38	142055.13
9259.00	93.20	0.400	4737.34	4750.83N	141.68E	==>	4752.94	2035844.69	142100.06

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 Vertical Section is from 0.00N 0.00E on azimuth 1.750 degrees  
 Bottom hole distance is 4752.94 Feet on azimuth 1.71 degrees from Wellhead  
 Calculation method uses Minimum Curvature method  
 Prepared by  
 Date Printed: 22-May-2013



Standard Wellpath Report  
Sandridge  
Sec 35 - 34S - 10W, Kansas  
Barber County  
Wellbore: Circle 3410 2-35H (Actual)

**Comments**

MD[ft]	TVD[ft]	North[ft]	East[ft]	Comment
9259.00	4737.34	4750.83N	141.68E	Projection to Bit @ TD

All data is in Feet unless otherwise stated  
Coordinates are from Slot MD's are from Slot and TVD's are from Slot ( Circle 3410 2-35H 0.00ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 1.750 degrees  
Bottom hole distance is 4752.94 Feet on azimuth 1.71 degrees from Wellhead  
Calculation method uses Minimum Curvature method  
Prepared by  
Date Printed: 22-May-2013

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	7/7/2013
Job End Date:	7/10/2013
State:	Kansas
County:	Barber
API Number:	15-007-24007-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Circle 3410 2-35H
Longitude:	-98.37767900
Latitude:	37.04380700
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,738
Total Base Water Volume (gal):	2,416,991
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	95.47502	
40/70 White	FTSI	Proppant					
			40/70 White	14808-60-8	100.00000	3.52246	
Hydrochloric Acid (HCl)	FTSI	Acid					
			Water	7732-18-5	85.00000	0.72932	
			Hydrogen Chloride	7647-01-0	15.00000	0.12870	
FRW-200	FTSI	Friction reducer					
			Water	7732-18-5	48.00000	0.03364	
			Copolymer of acrylamide and sodium acrylate	25987-30-8	33.00000	0.02313	
			Petroleum distillate hydrotreated light	64742-47-8	26.00000	0.01822	
			Acrylamide P/W acrylic acid, ammonium salt	26100-47-0	25.00000	0.01752	
			Ammonium Chloride	12125-02-9	12.00000	0.00841	
			Surfactant	Proprietary	7.00000	0.00491	
			Alcohols (C12-C16), ethoxylated	68551-12-2	4.00000	0.00280	
			Alcohols (C10-C16), ethoxylated	68002-97-1	4.00000	0.00280	
			Alcohols (C12-C14), ethoxylated	68439-50-9	4.00000	0.00280	

			Polyethylene glycol monooleate	9004-96-0	3.00000	0.00210
			Sorbitan Monooleate	1338-43-8	3.00000	0.00210
			Sorbitol Tetraoleate	61723-83-9	2.00000	0.00140
			Proprietary Component	Proprietary	1.50000	0.00105
			Alkyloxypolyethyleneoxyethanol	84133-50-6	1.00000	0.00070
			Ammonium Acrylate	10604-69-0	0.50000	0.00035
			Acrylamide	79-06-1	0.10000	0.00007
NE-100	FTSI	Non-emulsifier				
			Water	7732-18-5	90.00000	0.04289
			2-Propanol	67-63-0	10.00000	0.00477
			2-Butoxyethanol	111-76-2	10.00000	0.00477
			Dodecylbenzenesulfonic acid	27176-87-0	5.00000	0.00238
			Benzene, C10-16 Alkyl Derivatives	68648-87-3	0.04200	0.00002
			Unsulphonated Matter	3rd Party Proprietary	0.02800	0.00001
			Sulfuric Acid	7664-93-9	0.01400	0.00001
			Sulfur Dioxide	7446-09-5	0.00140	0.00000
CS-250 SI	FTSI	Scale Inhibitor				
			Water	7732-18-5	81.00000	0.00900
			Sodium Polyacrylate	9003-04-7	10.00000	0.00111
			Ethylene glycol	107-21-1	10.00000	0.00111
			Sodium chloride	7647-14-5	6.00000	0.00067
BIO-150	FTSI	Biocide				
			Gluteral	111-30-8	50.00000	0.00569
			Water	7732-18-5	50.00000	0.00569
			Methanol	67-56-1	0.50000	0.00006
CI-150	FTSI	Acid Corrosion Inhibitor				
			Ethylene Glycol	107-21-1	30.00000	0.00073
			Organic amine resin salt	Proprietary	30.00000	0.00073
			Isopropanol	67-63-0	30.00000	0.00073
			Dimethylformamide	68-12-2	10.00000	0.00024
			Quaternary ammonium compound	Proprietary	10.00000	0.00024
			Aromatic aldehyde	Proprietary	10.00000	0.00024
			Alkylene Oxide Block Polymer	Proprietary	10.00000	0.00024
			Water	7732-18-5	5.00000	0.00012
			Diethylene glycol	111-46-6	1.00000	0.00002
			Fatty Acid	Proprietary	0.10000	0.00000
			Aliphatic alcohol	Proprietary	0.10000	0.00000
			Fatty Acid Salt	Proprietary	0.10000	0.00000
FE-100L	FTSI	Iron control				
			Water	7732-18-5	60.00000	0.00109
			Citric acid	77-92-9	55.00000	0.00100

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.

\* 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)

# Mid-Continent Conductor, LLC

## Invoice

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

Date	Invoice #
5/1/2013	1870

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
Joe Turner	Net 45	5/1/2013	Circle 3410 2-35H, Alfalfa Cnty, OK	Unit 9

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
Fence Panels	4	Furnished safety netting around conductor holes
Welder & Materials	1	Furnished welder and materials
Dirt Removal	1	Furnished labor and equipment for dirt removal
Cover Plate	1	Furnished cover plates
Permits	1	Permits

AFE Number: OC 12575

Well Name: Lea Circle 3410 2-35H

Code: 850.010

Amount: 17,730.00

Co. Man: JO B. OS

Co. Man Sig.: J O B O

Notes: \_\_\_\_\_

<b>Subtotal</b>	\$17,340.00
<b>Sales Tax (6.5%)</b>	\$390.00
<b>Total</b>	<b>\$17,730.00</b>

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2659</b>	TICKET DATE <b>05/07/13</b>
COUNTY <b>Barber</b>	State <b>Kansas</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>Dwayne Burt</b>	
LEASE NAME <b>Circle 3410</b>	Well No. <b>2-35H</b>	JOB TYPE <b>Surface</b>	EMPLOYEE NAME <b>Daniel Wells</b>	

EMP NAME							
Daniel Wells		0					
Berry Wallace							
David Settlemier							
Scott Woods							

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At 0

Bottom Hole Temp. 80 Pressure \_\_\_\_\_

Retainer Depth \_\_\_\_\_ Total Depth 1000

Date	Called Out <b>5/7/2013</b>	On Location <b>5/7/2013</b>	Job Started <b>5/7/2013</b>	Job Completed <b>5/7/2013</b>
Time	<b>1400</b>	<b>1800</b>	<b>1830</b>	<b>1930</b>

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	1	IR
HEAD	1	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		36#	9"		Surface	996	1,500
Liner							
Liner							
Tubing			0				
Drill Pipe							
Open Hole			12 1/2"		Surface	991	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	resh Water	BBL.	10 8.33
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			
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/7	2.5	5/7	1.0	Surface
Total	2.5	Total	1.0	

Pressures	
MAX	1,500 PSI
AVG	200
Average Rates in BPM	
MAX	6 BPM
AVG	5
Cement Left in Pipe	
Feet	47
Reason SHOE JOINT	

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	340	EX Lite Premium Plus 65	(6% Gel) 2% Calcium Chloride - 1/2pps Cello-Flake - .5% C-41P	10.88	1.84	12.70
2	170	Premium Plus (Class C)	2% Calcium Chloride - 1/2pps Cello-Flake	6.32	1.32	14.80

Summary								
Preflush		Type:		Preflush:	BBI	10.00	Type:	Fresh Water
Breakdown		MAXIMUM	1,500 PSI	Load & Bkdn:	Gal - BBI	N/A	Pad:Bbl -Gal	N/A
		Lost Returns-N	NO/FULL	Excess /Return	BBI	30	Calc.Disp Bbl	73
		Actual TOC	SURFACE	Calc. TOC:		SURFACE	Actual Disp.	73.00
Average		Bump Plug PSI:	960	Final Circ.	PSI:	400	Disp:Bbl	73.00
:SIP	5 Min.	10 Min	15 Min	Cement Slurry:	BBI	151.0		
				Total Volume	BBI	234.00		

CUSTOMER REPRESENTATIVE Jo Bias SIGNATURE



<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2678</b>	TICKET DATE <b>05/14/13</b>
COUNTY <b>Barber</b>	State <b>Kansas</b>	COMPANY <b>Sandridge Exploration &amp; Production</b>	CUSTOMER REP <b>Jerry Bais</b>	
LEASE NAME <b>Circle 3410</b>	Well No. <b>2-35H</b>	JOB TYPE <b>Intermediate</b>	EMPLOYEE NAME <b>NATHAN COTTA</b>	

EMP NAME <b>NATHAN COTTA</b>	<b>BRETT A</b>				
<b>WESLEY T</b>					
<b>JOSH</b>					
<b>RICKY</b>					

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **3,876'**  
 Bottom Hole Temp. **155** Pressure \_\_\_\_\_  
 Retainer Depth \_\_\_\_\_ Total Depth **5,492'**

Date	Called Out	On Location	Job Started	Job Completed
	<b>5.14.13</b>	<b>5.14.13</b>	<b>5.14.13</b>	<b>5.14.13</b>
Time	<b>700</b>	<b>1230</b>	<b>1715</b>	<b>1930</b>

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

New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing		<b>26#</b>	<b>7"</b>		Surface		<b>5,000</b>
Liner							
Liner							
Tubing			<b>0</b>				
Drill Pipe							
Open Hole				<b>8 1/2"</b>	Surface	<b>5,502'</b>	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	<b>9</b> Lb/Gal
Disp. Fluid	Fresh Water	Density	<b>8.33</b> Lb/Gal
Spacer type	fresh Water BBL.		<b>20</b> <b>8.33</b>
Spacer type	Caustic BBL.		<b>10</b> <b>8.40</b>
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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
<b>5.14.13</b>	<b>7.0</b>	<b>5.14.13</b>	<b>2.0</b>	Intermediate
Total	<b>7.0</b>	Total	<b>2.0</b>	

Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_  
 Other \_\_\_\_\_

Pressures			
MAX	3500	AVG	400
Average Rates in BPM			
MAX	6.5 BPM	AVG	5
Cement Left in Pipe			
Feet	91	Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	190	50/50 POZ PREMIUM	4% Gel - 0.4% FL-17 - 0.2% C-51 - 0.1% C-20 - 0.1% C-37 - 0.5% C-41P	6.77	1.44	13.60
2	100	Premium	0.4% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.20	1.18	15.60
3	0	0		0.00	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	5,000 PSI	Preflush: BBI _____	15.00
	Lost Returns-N _____	Actual TOC _____	PARTIAL	Load & Bkdn: Gal - BBI _____	N/A
	Bump Plug PSI: _____	_____	1.100	Excess /Return BBI _____	N/A
Average _____	5 Min. _____	10 Min. _____	15 Min. _____	Calc. TOC: _____	3670'
				Final Circ. PSI: _____	400
				Cement Slurry: BBI _____	70.0
				Total Volume BBI _____	291.00

CUSTOMER REPRESENTATIVE \_\_\_\_\_ SIGNATURE \_\_\_\_\_

<b>JOB SUMMARY</b>			PROJECT NUMBER <b>SOK 2697</b>	TICKET DATE <b>05/22/13</b>
COUNTY <b>Barber</b>	State <b>Kansas</b>	COMPANY <b>Bridge Exploration &amp; Produc</b>	CUSTOMER REP <b>Jerry Bias</b>	
LEASE NAME <b>Circle 3410</b>	Well No. <b>2-35H</b>	JOB TYPE <b>Misc Pumping</b>	EMPLOYEE NAME <b>ROBERT BURRIS</b>	

EMP NAME	<b>Robert Burris</b>				
	<b>MIKE HALL</b>				
	<b>Cheryl Newton</b>				
	<b>Frank Reeves</b>				

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_  
Packer Type \_\_\_\_\_ Set At **3,876**  
Bottom Hole Temp. **150** Pressure \_\_\_\_\_  
Retainer Depth \_\_\_\_\_ Total Depth **9259**

Date	Called Out <b>5/22/2013</b>	On Location <b>5/22/2013</b>	Job Started <b>5/22/2013</b>	Job Completed <b>5/22/2013</b>
Time	<b>15:30</b>	<b>17:00</b>	<b>19:52</b>	<b>23:00</b>

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

New/Used		Weight	Size	Grade	From	To	Max. Allow
Casing		11.6#	4 1/2"		Surface	9,259	1,500
Liner							
Liner							
Tubing			3 1/2"				
Drill Pipe							
Open Hole			6 1/8"		Surface	9,259	Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	Density <b>8.33</b>	Lb/Gal
Spacer type	BBL.		
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			

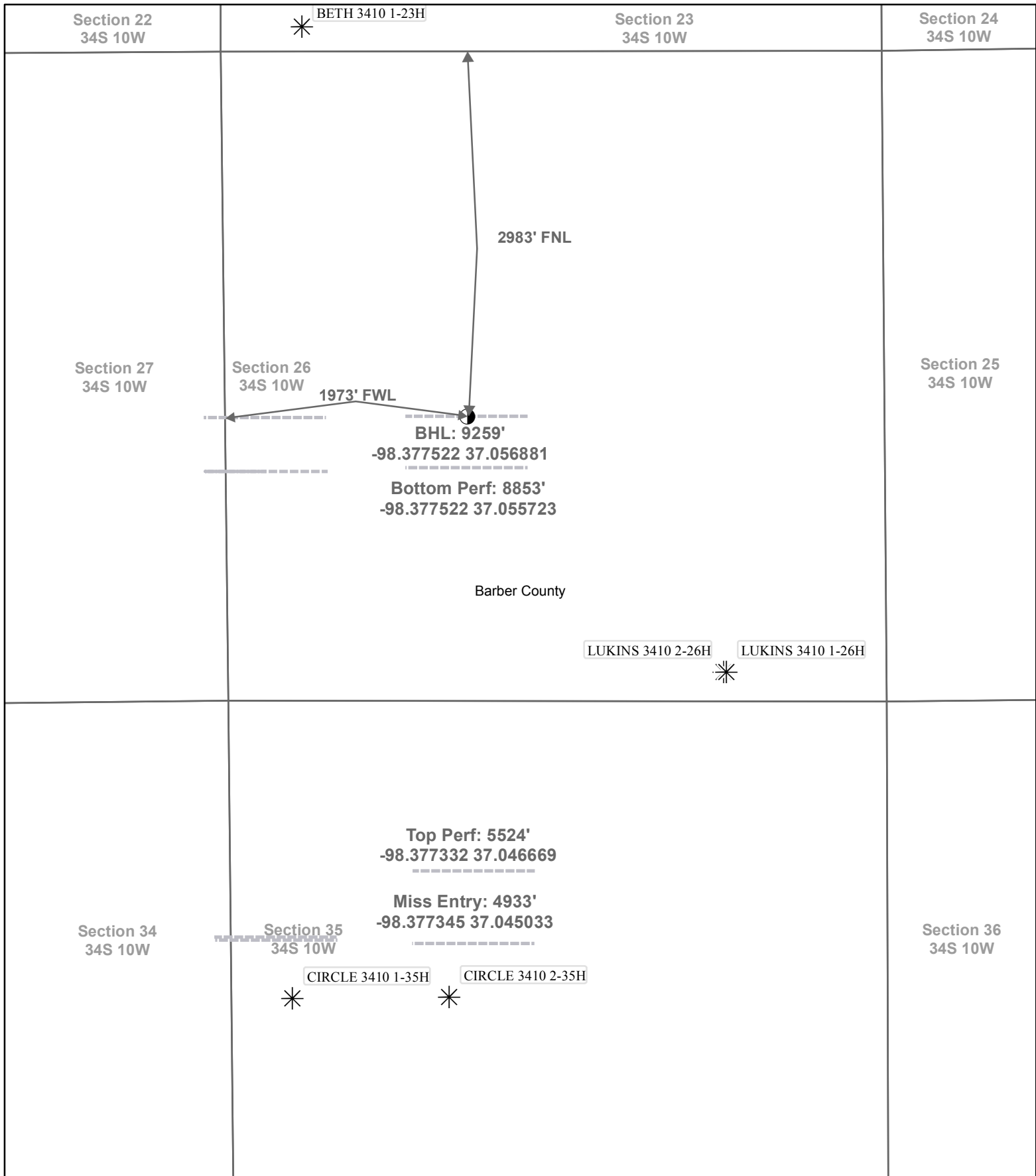
Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/22	6.0	5/22	2.5	Misc Pumping
Total	6.0	Total	2.5	

MAX 5000 PSI		AVG. 925	
MAX 6 BPM		AVG 4	
Feet 0		Reason SHOE JOINT	

Cement Data				W/Rq.	Yield	Lbs/Gal
Stage	Sacks	Cement	Additives			
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 _____	5000 PSI	Preflush: BBI _____	Type: _____
	Lost Returns-N _____	Actual TOC _____	NO/FULL	Load & Bkdn: Gal - BBI _____	0
Average SF _____	Bump Plug PSI: _____	10 Min _____	NO/FULL	Excess /Return BBI _____	N/A
5 Min _____	15 Min _____		Final Circ. PSI: _____	Calc. Disp. Bbl _____	N/A
			Cement Slurry: BBI _____	Actual Disp. _____	255.00
			Total Volume BBI _____	Disp: Bbl _____	
				#VALUE!	

CUSTOMER REPRESENTATIVE \_\_\_\_\_ SIGNATURE \_\_\_\_\_



**SANDRIDGE**  
THE POWER OF US™

**Actual Bottom-Hole Location of Circle 3410 2-35H**  
Barber County, Kansas  
T&R: 34S 10W  
Section: 26, 1973' FWL & 2983' FNL  
-98.377522 37.056881

1 in = 1,042 ft

0 750 1,500 3,000 Feet

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

Draftsman: Aaron Birk  
Draft Date: 8/22/2013

Drawing Name/Number:  
Addendum\_Circle 3410 2-35H.mxd

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

## Remarks

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Tiffany Golay 08/06/013 09:56 am	Well was completed using an open hole packer system; no liner cemented
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Tiffany Golay 08/12/013 10:31 am	Conductor weight= 94 lbs/ft
--	-----------------------------