



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1214169
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: _____

1214169

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Forster 3203 1-8H
Doc ID	1214169

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8316-8580	1500 gals 15% HCL Acid, 5218 bbls Fresh Slickwater, Running TLTR 5453	
5	7932-8240	1500 gals 15% HCL Acid, 5206 bbls Fresh Slickwater, Running TLTR 10823	
5	7619-7844	1500 gals 15% HCL Acid, 5378 bbls Fresh Slickwater, Running TLTR 16362	
5	7248-7536	1500 gals 15% HCL Acid, 5499 bbls Fresh Slickwater, Running TLTR 22100	
5	6912-7175	1500 gals 15% HCL Acid, 5206 bbls Fresh Slickwater, Running TLTR 27513	
5	6588-6830	1500 gals 15% HCL Acid, 5604 bbls Fresh Slickwater, Running TLTR 33240	
5	6256-6522	1500 gals 15% HCL Acid, 5714 bbls Fresh Slickwater, Running TLTR 39039	
5	5838-6058	1500 gals 15% HCL Acid, 5376 bbls Fresh Slickwater, Running TLTR 44489	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Forster 3203 1-8H
Doc ID	1214169

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5534-5772	1500 gals 15% HCL Acid, 5549 bbls Fresh Slickwater, Running TLTR 50136	
5	5232-5473	1500 gals 15% HCL Acid, 5185 bbls Fresh Slickwater, Running TLTR 55411	
5	4936-5156	1500 gals 15% HCL Acid, 4018 bbls Fresh Slickwater, Running TLTR 59494	
5	4554-4774	1500 gals 15% HCL Acid, 4240 bbls Fresh Slickwater, Running TLTR 63734	



INVOICE

DATE	INVOICE #
3/31/2014	4658

BILL TO
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

REMIT TO
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
SUMNER, KS	3/26/2014	3538	LARIAT 45	FORESTOR 3203 1-8H	Due on rec...

Description
DRILLED 60' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 60' OF 20" CONDUCTOR PIPE FURNISHED MUD, WATER, AND TRUCKING FURNISHED WELDER AND MATERIALS FURNISHED 6 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE FURNISHED 4 YARDS OF 10 SACK GROUT FOR MOUSE HOLE FURNISHED GROUT PUMP DRILL MOUSE HOLE FURNISHED 80' OF 16" CONDUCTOR PIPE TOTAL BID \$17,000.00

Sales Tax (6.65%)	\$151.75
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TOTAL	\$17,151.75
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JOB SUMMARY			PROJECT NUMBER SOK 3565	TICKET DATE 03/30/14
COUNTY Sumner	State Kansas	COMPANY Bridge Exploration & Produc	CUSTOMER REP Claude Hallmark	
LEASE NAME Forster 3203	Well No. 1-8H	JOB TYPE Surface	EMPLOYEE NAME Arthur Setzer	

EMP NAME					
Arthur Setzer		0			
Jared Green					
David Settlemier					
Berrle Barkley					

Form. Name _____ Type: _____

Packer Type _____ Set At **0**

Bottom Hole Temp. **80** Pressure _____

Retainer Depth _____ Total Depth **300'**

	Called Out	On Location	Job Started	Job Completed
Date	3/30/2014	3/30/2014	3/30/2014	3/30/2014
Time	1100	1500	1830	2000

Tools and Accessories		
Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	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		54.5#	13 3/8"	Surface	300' 1,500
Liner					
Liner					
Tubing			0		
Drill Pipe					
Open Hole			17 1/2"	Surface	300' Shots/Ft.
Perforations					
Perforations					
Perforations					

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

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
3/30	5.0	3/30	2.0	Surface
Total	5.0	Total	2.0	

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Pressures	
MAX	1,500 PSI
AVG.	70
Average Rates in BPM	
MAX	6 BPM
AVG	5
Cement Left in Pipe	
Feet	45
Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	175	D-Tex Lite 65:35:6 (Class C)	6% Total Gel - 2% Calcium Chloride - 0.4% C-41P - 1/4pps Cello-Flake	11.11	2.01	12.40
2	145	Premium Plus (Class C)	2% Calcium Chloride - 1/4pps Cello-Flake	6.32	1.32	14.80
3	*100	Premium Plus (Class C)	*2% Calcium Chloride on side to use if necessary	*6.32	*1.32	*14.8

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	1,500 PSI	Preflush: BBI _____	10.00
	Lost Returns: _____	NO/FULL _____		Load & Bkdn: Gal - BBI _____	N/A
	Actual TOC _____	SURFACE _____		Excess /Return BBI _____	40
Average	Bump Plug PSI: _____	700		Calc. TOC: _____	SURFACE
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Final Circ. PSI: _____	70
				Cement Slurry BBI _____	96.0
				Total Volume BBI _____	140.00

CUSTOMER REPRESENTATIVE *Claude Hallmark* SIGNATURE

JOB SUMMARY			PROJECT NUMBER SOK 3597	TICKET DATE 04/07/14
COUNTY Sumner	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Bill Torbett	
LEASE NAME Forster 3203	Well No. 1-8H	JOB TYPE Intermediate	EMPLOYEE NAME Arthur Setzer	

EMP NAME	Arthur Setzer	0					
Jared Green							
David Settlemier							
David Thomas							

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0 _____

Bottom Hole Temp. 155 Pressure _____

Retainer Depth _____ Total Depth 4900

Date	Called Out 4/7/2014	On Location 4/7/2014	Job Started 4/7/2014	Job Completed 4/7/2014
Time	0100	0900	0935	1130

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Va	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	
Casing		26#	7"		Surface
Liner					4,856
Liner					5,000
Tubing			0		
Drill Pipe					
Open Hole			8 1/2"	Surface	4,900
Perforations					Shots/Ft.
Perforations					
Perforations					

Materials			
Mud Type	WBM	Density	Lb/Gal
Disp. Fluid	Fresh Water	8.33	8.33
Spacer type	Fresh Water BBL.	20	8.33
Spacer type	Caustic BBL.	10	8.40
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	
4/7	2.5	4/7	2.5	Intermediate
Total	2.5	Total	2.5	

MAX 5,000 PSI		Pressures AVG. 650	
MAX 8 BPM		Average Rates in BPM AVG 7	
Feet 43		Cement Left in Pipe Reason SHOE JOINT	

Cement Data							
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal	
1	250	50/50 POZ PREMIUM	4% Gel - 0.2% FL-17 - 0.1% C-51 - 0.2% C-20 - 0.1% C-37 - 0.4% C-41P	6.93	1.43	13.60	
2	100	Premium	0.2% FL-17 - 0.1% C-51 - 0.1% C-20 - 0.4% C-41P	5.19	1.19	15.60	
3	0	0		0	0.00	0.00	

Summary							
Preflush Breakdown	10	Type: MAXIMUM	5,000 PSI	Preflush: BBI	30.00	Type: Gel Spacer	
		Lost Returns	NO/FULL	Load & Bkdn: Gal - BBI	N/A	Pad:Bbl -Gal	N/A
		Actual TOC		Excess /Return BBI	N/A	Calc. Disp Bbl	186
Average		Bump Plug PSI:		Calc. TOC:	1.748	Actual Disp.	186.00
ISIP	5 Min.	10 Min	15 Min	Final Circ. PSI:	650	Disp:Bbl	186.00
				Cement Slurry BBI	84.0		
				Total Volume BBI	300.00		

CUSTOMER REPRESENTATIVE Bill Torbett SIGNATURE

Directional Survey Calculations	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northing (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	350	4918	1701	3577
SHL	8657	88.20	177.60	4034.57	-4598.60	-1015.73	4709.42	0.00	4927	343	679	4609
BHL	4538	87.40	183.29	3986.66	-481.22	-1026.17	693.95	0.81	810	4461	674	4604
Miss Entry	4586	87.40	183.11	3988.84	-529.09	-1028.90	741.26	0.98	857	4413	671	4607
Top Perf	8578	88.87	177.88	4032.40	-4519.70	-1018.90	4633.12	1.28	4848	422	676	4612

Survey Points	NW Corner XY Coord	SW Corner XY Coord	NE Corner XY Coord	SE Corner XY Coord	X	Y	Surface XY	X	Y	North Line slope	East Line slope	South Line slope	West Line slope
					2240434	2230359		2240441	2210097				

Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northing (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
								0	350	4918	1701
289	0.2	357.2	288.999	0.50	-0.02	-0.4864	0.07	350	4919	1701	3577
411	0.3	277.5	410.999	0.76	-0.35	-0.6643	0.271	349	4919	1700	3577
776	0.3	255.5	775.994	0.65	-2.22	-0.1443	0.032	349	4919	1698	3579
867	1.6	287.2	866.98	0.96	-3.66	-0.1381	1.489	349	4919	1697	3580
898	3.8	288	897.943	1.41	-5.05	-0.2699	7.099	349	4920	1696	3582
928	5.9	288.8	927.834	2.22	-7.46	-0.5299	7.004	348	4921	1693	3584
959	7.4	288.7	958.625	3.37	-10.86	-0.9135	4.84	347	4922	1690	3587
990	8.7	287.9	989.319	4.73	-14.98	-1.3411	4.21	345	4923	1686	3591
1020	9.8	286.5	1018.93	6.16	-19.58	-1.723	3.743	344	4925	1681	3596
1050	11.4	285.7	1048.42	7.68	-24.89	-2.0554	5.357	342	4927	1676	3601
1081	12.9	285.1	1078.72	9.42	-31.18	-2.3698	4.857	340	4928	1669	3608
1111	13.7	284.1	1107.92	11.15	-37.85	-2.6064	2.776	338	4930	1663	3614
1142	13.8	283.1	1138.03	12.89	-45.01	-2.7321	0.833	336	4932	1656	3622
1172	14.3	282.7	1167.13	14.51	-52.11	-2.7672	1.699	334	4934	1648	3629
1203	15.5	283	1197.09	16.29	-59.88	-2.7998	3.88	333	4936	1641	3636
1233	16.5	283.6	1225.92	18.19	-67.93	-2.899	3.38	330	4938	1633	3644
1264	17.4	284	1255.58	20.35	-76.70	-3.0856	2.928	328	4940	1624	3653
1294	18.3	283.9	1284.13	22.57	-85.63	-3.2984	3.003	326	4943	1615	3662
1325	19.1	284	1313.5	24.97	-95.27	-3.5287	2.584	323	4945	1605	3672
1355	19.7	283.3	1341.79	27.32	-104.95	-3.7064	2.146	321	4948	1596	3681
1385	19.6	282.4	1370.05	29.56	-114.79	-3.7465	1.063	318	4951	1586	3691
1416	19.4	282.4	1399.27	31.78	-124.89	-3.7062	0.646	316	4953	1576	3701
1446	18.9	284	1427.61	34.03	-134.47	-3.8035	2.417	313	4955	1566	3711
1477	18.5	284.7	1456.97	36.49	-144.10	-4.1024	1.481	311	4958	1557	3721
1507	18.4	284.7	1485.43	38.91	-153.28	-4.4466	0.334	308	4961	1547	3730
1537	18.7	284.9	1513.87	41.34	-162.51	-4.8093	1.023	305	4963	1538	3739
1568	18.6	283.6	1543.24	43.79	-172.12	-5.091	1.38	303	4966	1529	3748
1598	18.3	283.5	1571.7	46.01	-181.35	-5.2447	1.007	300	4969	1519	3758
1629	18.4	285.5	1601.12	48.46	-190.79	-5.5648	2.057	298	4971	1510	3767
1659	18.6	286.6	1629.57	51.09	-199.94	-6.1343	1.342	295	4974	1501	3776
1690	18.1	285.7	1659	53.81	-209.31	-6.7356	1.855	292	4977	1491	3786
1781	19.1	285.3	1745.24	61.56	-237.28	-8.1875	1.109	284	4985	1463	3814
1874	18.8	280.4	1833.21	68.28	-266.70	-8.3144	1.742	276	4993	1434	3843
1965	18.6	281	1919.4	73.70	-295.36	-7.3322	0.306	270	4999	1405	3872
2056	18.4	280.9	2005.7	79.19	-323.71	-6.487	0.224	264	5005	1377	3900
2148	18.3	282.8	2093.02	85.13	-352.05	-6.0927	0.66	258	5012	1349	3928
2178	19.6	285.4	2121.4	87.51	-361.50	-6.3511	5.167	255	5014	1339	3938
2209	19.9	286.8	2150.58	90.42	-371.56	-6.9872	1.808	252	5017	1329	3948
2239	19.9	286.4	2178.78	93.34	-381.34	-7.6953	0.455	249	5021	1319	3958
2330	18.5	284.6	2264.72	101.35	-410.17	-9.2112	1.671	240	5029	1291	3986
2422	19.3	289.8	2351.77	110.18	-438.60	-11.612	2.027	231	5039	1262	4015
2513	18.5	289.1	2437.86	120.00	-466.40	-15.117	0.915	220	5049	1234	4043
2605	19.7	281.9	2524.81	127.98	-495.37	-16.566	2.872	212	5058	1205	4071
2696	19.4	279.9	2610.56	133.74	-525.26	-15.652	0.807	205	5064	1175	4101
2787	19.9	282.7	2696.26	139.74	-555.26	-14.952	1.172	199	5071	1146	4131
2879	20	284.4	2782.74	147.10	-585.77	-15.458	0.641	191	5079	1115	4162
2970	18.7	282.1	2868.6	154.03	-615.11	-15.805	1.657	183	5087	1086	4191
3061	18.9	286.3	2954.75	161.23	-643.52	-16.615	1.504	175	5095	1057	4219
3153	17.9	285.9	3042.05	169.28	-671.42	-18.376	1.097	167	5103	1029	4247
3244	18.3	284.9	3128.54	176.79	-698.67	-19.741	0.558	158	5111	1002	4275
3335	17	283.8	3215.26	183.64	-725.40	-20.58	1.476	151	5119	975	4301
3366	17.6	279.1	3244.86	185.46	-734.43	-20.385	4.906	149	5121	966	4310
3396	18.7	272.5	3273.37	186.39	-743.71	-19.261	7.768	148	5122	957	4320
3427	20.4	268.4	3302.58	186.45	-754.07	-17.06	7.045	148	5122	947	4330
3457	22	265.7	3330.55	185.89	-764.90	-14.139	6.248	148	5122	936	4341
3488	22.5	261.1	3359.24	184.54	-776.55	-10.272	5.845	149	5121	924	4352
3518	23	257.6	3388.91	182.39	-787.95	-5.6869	4.81	151	5119	913	4364
3549	23.1	253	3415.44	179.31	-799.68	-0.1187	5.818	154	5116	901	4376
3579	23.1	248.3	3443.03	175.42	-810.78	6.10915	6.146	157	5113	890	4387
3610	23.9	244.3	3471.47	170.44	-822.08	13.4327	5.756	162	5108	879	4398
3640	25.2	241.5	3498.75	164.76	-833.17	21.4021	5.815	168	5103	868	4409
3671	27	239.1	3526.59	158.00	-845.01	30.5894	6.732	174	5096	856	4421
3701	28.9	236.5	3553.09	150.50	-856.90	40.5058	7.524	181	5089	844	4433
3731	30.4	232.1	3579.17	141.84	-868.94	51.5922	8.81	190	5080	832	4445
3762	31.4	226.2	3605.77	131.43	-880.96	64.3779	10.29	200	5070	820	4457
3792	32.7	220.1	3631.21	119.82	-891.82	78.0825	11.62	211	5059	809	4468
3823	34.8	215.5	3656.98	106.21	-902.35	93.6659	10.67	225	5046	798	4479
3853	37.1	211.2	3681.27	91.50	-912.01	110.134	11.38	239	5031	789	4488
3884	39.5	207.9	3705.6	74.78	-921.47	128.512	10.17	256	5015	779	4498

Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert. Depth (ft)	Northings (+) Southings (-)		Eastings (+) Westings (-)		Vert. Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL	
				(ft)	(ft)	(ft)	(ft)							
3914	42.2	204.8	3728.29	57.20	-930.16	147.57	11.25	273	4997	770	4506			
3944	44.4	201.9	3750.13	38.31	-938.30	167.78	9.885	292	4979	762	4515			
3975	46.3	197.6	3771.92	17.56	-945.74	189.653	11.61	312	4958	755	4522			
4005	48.5	195.3	3792.23	-3.61	-951.98	211.682	9.254	334	4937	749	4529			
4036	50.8	193.9	3812.3	-26.47	-957.93	235.29	8.179	356	4914	743	4535			
4066	53.2	193.3	3830.76	-49.45	-963.49	258.924	8.155	379	4891	737	4540			
4097	56.1	193.1	3848.7	-74.06	-969.26	284.203	9.371	404	4867	731	4546			
4127	58.4	192.9	3864.93	-98.64	-974.93	309.431	7.688	428	4842	726	4552			
4157	60	192.1	3880.29	-123.80	-980.51	335.197	5.805	453	4817	720	4557			
4188	62	192	3895.32	-150.31	-986.17	362.307	6.459	479	4791	714	4563			
4218	64	191.5	3908.93	-176.48	-991.61	389.031	6.831	506	4765	709	4569			
4250	65.5	191.2	3922.58	-204.86	-997.30	417.964	4.765	534	4737	703	4575			
4281	67	189.8	3935.07	-232.75	-1002.47	446.316	6.365	562	4709	698	4580			
4311	68.8	189.3	3946.36	-260.16	-1007.08	474.07	6.197	589	4682	693	4585			
4341	71.4	187.7	3956.57	-288.06	-1011.24	502.2	10.01	617	4654	689	4589			
4372	74.2	186.3	3965.73	-317.45	-1014.85	531.666	10.01	646	4625	685	4593			
4402	77.5	184.9	3973.07	-346.39	-1017.68	560.53	11.9	675	4596	682	4595			
4433	81.2	183.9	3978.8	-376.76	-1020.02	590.675	12.35	705	4565	680	4598			
4463	84.8	183.2	3982.45	-406.47	-1021.86	620.072	12.22	735	4536	678	4600			
Top of Tangent @ 4489'	4494	87.2	183.4	3984.61	-437.34	-1023.64	650.584	7.77	766	4505	676	4602		
	4524	87.4	183.2	3986.03	-467.26	-1025.36	680.153	0.943	796	4475	675	4604		
	4554	87.4	183.4	3987.39	-497.18	-1027.09	709.725	0.667	825	4445	673	4605		
	4585	87.4	183.1	3988.79	-528.10	-1028.84	740.278	0.968	856	4414	671	4607		
	4615	87.4	183.5	3990.15	-558.01	-1030.56	769.849	1.333	886	4384	669	4609		
	4646	88	182.9	3991.4	-588.94	-1032.29	800.404	2.737	917	4354	668	4611		
Blm of Tangent @ 4707'	4676	88.2	182.1	3992.39	-618.89	-1033.60	829.919	2.748	947	4324	666	4612		
	4707	88.2	182.5	3993.37	-649.85	-1034.84	860.4	1.291	978	4293	665	4614		
	4737	88.4	180.8	3994.26	-680	-1036	889.835	5.704	1008	4263	664	4615		
	4767	89	179.2	3994.94	-710	-1036	919.1	5.696	1038	4233	664	4615		
	4798	89.3	177.7	3995.4	-741	-1035	949.15	4.935	1069	4202	665	4614		
	4828	89.2	177.4	3995.79	-771	-1034	978.113	1.055	1099	4172	666	4613		
	4848	89.3	177.7	3996.05	-791	-1033	997.421	1.582	1119	4152	667	4612		
	4912	87.5	179.7	3997.84	-855	-1031	1059.51	4.204	1183	4088	668	4611		
	5007	88	179.3	4001.57	-950	-1030	1151.95	0.675	1278	3993	669	4610		
	5102	88.3	179.1	4004.64	-1045	-1029	1244.3	0.38	1373	3898	670	4609		
	5197	88.9	180.7	4006.96	-1140	-1029	1336.94	1.799	1468	3803	670	4610		
	5292	88.7	180.3	4008.95	-1234	-1030	1429.79	0.472	1563	3708	669	4611		
	5383	88.9	180.4	4010.85	-1325	-1030	1518.69	0.247	1654	3617	668	4612		
	5475	89.5	180	4012.14	-1417	-1031	1608.52	0.785	1746	3525	668	4612		
	5567	90	180	4012.54	-1509	-1031	1698.3	0.544	1838	3433	668	4613		
	5659	90.1	179.8	4012.46	-1601	-1030	1788.03	0.244	1930	3341	668	4613		
	5751	90	180.1	4012.38	-1693	-1030	1877.79	0.345	2022	3249	668	4613		
	5843	90.6	180.9	4011.9	-1785	-1031	1967.73	1.088	2114	3157	667	4614		
	5935	89.8	180.4	4011.57	-1877	-1032	2057.72	1.026	2206	3065	666	4616		
	6027	89.1	180.1	4012.46	-1969	-1033	2147.58	0.829	2298	2973	665	4616		
	6119	89.3	179	4013.74	-2061	-1032	2237.18	1.216	2390	2881	666	4616		
	6211	89.3	179.1	4014.87	-2153	-1030	2326.6	0.11	2482	2789	667	4615		
	6302	89	179.6	4016.22	-2244	-1029	2415.16	0.642	2573	2698	668	4614		
	6394	89.6	178	4017.34	-2336	-1027	2504.48	1.858	2665	2606	670	4612		
	6485	90.4	178.9	4017.34	-2427	-1025	2592.7	1.324	2756	2515	672	4610		
	6577	90.2	179.3	4016.86	-2519	-1024	2682.15	0.487	2848	2423	674	4609		
	6669	90.4	180.7	4016.38	-2611	-1024	2771.91	1.538	2940	2331	674	4610		
	6760	91.2	180.6	4015.11	-2702	-1025	2860.92	0.887	3031	2240	672	4611		
	6852	90.5	180.1	4013.74	-2794	-1025	2950.81	0.936	3123	2148	672	4612		
	6944	89.9	180	4013.42	-2886	-1025	3040.59	0.662	3215	2056	672	4612		
	7036	89.4	181	4013.98	-2978	-1026	3130.54	1.216	3307	1964	671	4613		
	7131	89.2	181	4015.14	-3073	-1028	3223.58	0.212	3402	1869	669	4615		
	7226	89.1	180.6	4016.55	-3168	-1029	3316.55	0.435	3496	1774	667	4617		
	7321	90	180.3	4017.3	-3263	-1030	3409.4	1	3591	1679	667	4618		
	7416	89.6	179.8	4017.63	-3358	-1030	3502.12	0.675	3686	1584	666	4618		
	7511	90.2	179.8	4017.8	-3453	-1029	3594.75	0.633	3781	1489	667	4618		
	7606	91.1	179.7	4016.72	-3548	-1029	3687.35	0.954	3876	1394	667	4618		
	7700	90.9	180.5	4015.08	-3642	-1029	3779.09	0.878	3970	1300	667	4619		
	7795	89.4	181.1	4014.83	-3737	-1031	3872.07	1.702	4065	1205	665	4621		
	7890	89	180.2	4016.16	-3832	-1032	3964.99	1.038	4160	1110	664	4622		
	7985	87.6	180.3	4018.97	-3927	-1032	4057.74	1.478	4255	1015	663	4623		
	8080	87.6	179.3	4022.95	-4022	-1032	4150.28	1.053	4350	920	664	4623		
	8175	87.5	178.3	4027.01	-4117	-1030	4242.44	1.058	4445	826	665	4621		
	8270	89.5	178.8	4029.5	-4212	-1027	4334.55	2.171	4540	731	668	4619		
	8365	89.4	178.7	4030.41	-4307	-1025	4426.77	0.15	4635	636	670	4617		
	8460	89.7	178.3	4031.16	-4402	-1023	4518.89	0.527	4730	540	672	4615		
	8554	89.40	178.10	4031.90	-4496	-1020	4609.92	0.38	4824	446	675	4613		
	8608	88.20	177.60	4033.03	-4550	-1018	4662.12	2.41	4878	392	677	4611		
	8657	88.20	177.60	4034.57	-4599	-1016	4709.42	0.00	4927	343	679	4609		

Section 6
32S 3W

Section 5
32S 3W

DANE SWD 3203 1-8

TRUDY 3203 1-5H

FORSTER 3203 2-8H

FORSTER 3203 1-8H

Miss Entry: 4538'
-97.671611 37.283283

Top Perf: 4554'
-97.671619 37.283120

Sumner County

Section 7
32S 3W

Section 8
32S 3W

Bottom Perf: 8580'
-97.671351 37.272246

BHL: 8657'

-97.671331 37.271966

794' FWL

428' FSL



Actual Bottom-Hole Location of Forster 3203 1-8H
T&R: 32S 3W
Section: 8, 794' FWL & 428' FSL
-97.671331 37.271966

1 in = 667 ft

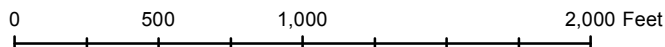


● Actual BH Location

* SandRidge Wells

--- Perf

□ Sections



Draftsman:

Naomi Martinez

Draft Date: 7/14/2014

Drawing Name/Number:

Addendum_Forster 3203 1-8H.mxd

Coordinate System:

NAD 1927 State Plane
Kansas South FIPS: 1502

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/7/2014
Job End Date:	5/9/2014
State:	Kansas
County:	Sumner
API Number:	15-191-22723-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Forster 3203 1-8H
Longitude:	-97.66770000
Latitude:	37.28450000
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,034
Total Base Water Volume (gal):	2,604,294
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	Archer	Carrier/Base Fluid					
			Water	7732-18-5	100.00000	95.35018	None
Sand (Proppant)	Archer	Proppant					
			Silica Substrate	NA	100.00000	3.51771	None
C102	Bosque Disposal Systems, LLC	Oxidizer					
			Chlorine Dioxide	10049-04-4	15.00000	0.28160	
Hydrochloric Acid (15%)	Archer	Acidizing					
			Hydrochloric Acid	7647-01-0	15.00000	0.10736	None
			NONYL PHENOL, 4 MOL	104-40-5	10.00000	0.00465	None
			Methyl Alcohol	67-56-1	80.00000	0.00088	None
			thiourea-formaldehyde copolymer	68527-49-1	15.00000	0.00016	None
AIC	Archer	Liquid Acid Iron Control					
			Acetic Acid	64-19-7	50.00000	0.00194	None
			Citric Acid	77-92-9	30.00000	0.00117	None
Chemflush	Archer	Enviro-Friendly Chemical Flush					
			Hydrotreated Petroleum Distillate	64742-47-8	99.00000	0.00270	None

		Alcohol Ethoxylate Surfactants	NA	10.00000	0.00027	None
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		0.04222	
		WATER	7732-18-5		0.02790	
		Aliphatic Hydrocarbon	64742-47-8		0.02111	
		Anionic Polymer	N/A		0.02111	
		TRADE SECRET	N/A		0.01860	
		Water	7732-18-5		0.00918	
		ISOPROPANOL	67-63-0		0.00465	
		METHANOL	67-56-1		0.00465	
		Oxyalkylated Alcohol	68002-97-1		0.00352	
		Polyol Ester	N/A		0.00352	
		Sodium Salt of Phosphate Ester	68131-72-6		0.00153	
		Acrylic Polymer	28205-96-1		0.00153	
		Water	7732-18-5		0.00136	
		Polyglycol Ester	N/A		0.00070	
		Alcohol Ethoxylate Surfactants	N/A		0.00016	
		n-olefins	N/A		0.00009	
		Tetrasodium Ethylenediaminetetraacetate	64-02-8		0.00007	
		Propargyl Alcohol	107-19-7		0.00007	
		Cinnamic Aldehyde	104-55-2			
		Acetic Acid	64-19-7			
		Water	7732-18-5			
		Buffer	N/A			
		Surfactant	N/A			

* 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)