Confidentiality Requested:

☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1220254

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   Date Reached TD   Completion Date or
Recompletion Date   Recompletion Date

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: _____

1220254

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	☐ Yes ☐ No	☐ Log	Formation (Top), Depth and Datum	☐ Sample
(Attach Additional Sheets)		Name	Top Datum	
Samples Sent to Geological Survey	☐ Yes ☐ No			
Cores Taken	☐ Yes ☐ No			
Electric Log Run	☐ Yes ☐ No			
List All E. Logs Run:				

CASING RECORD ☐ New ☐ 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
____ Perforate ____ Protect Casing ____ Plug Back TD ____ 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 *(Amount and Kind of Material Used)*	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:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____	_____ _____

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	John 3404 1-20H
Doc ID	1220254

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	8649-8894	1500 gals 15% HCL acid, 4626 bbls Fresh Slickwater, Running TLTR 4848 bbls	
5	8298-8568	1500 gals 15% HCL acid, 5128 bbls Fresh Slickwater, Running TLTR 10116 bbls	
5	7918-8230	1500 gals 15% HCL acid, 4790 bbls Fresh Slickwater, Running TLTR 15060 bbls	
5	7584-7830	1500 gals 15% HCL acid, 4782 bbls Fresh Slickwater, Running TLTR 19974 bbls	
5	7149-7469	1500 gals 15% HCL acid, 3816 bbls Fresh Slickwater, Running TLTR 23890 bbls	
5	6789-7075	1500 gals 15% HCL acid, 3782 bbls Fresh Slickwater, Running TLTR 27768 bbls	
5	6430-6754	1500 gals 15% HCL acid, 3633 bbls Fresh Slickwater, Running TLTR 31482 bbls	
5	6058-6348	1500 gals 15% HCL acid, 3704 bbls Fresh Slickwater, Running TLTR 35259 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	John 3404 1-20H
Doc ID	1220254

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	5710-5979	1500 gals 15% HCL acid, 4049 bbls Fresh Slickwater, Running TLTR 39279 bbls	
5	5324-5611	1500 gals 15% HCL acid, 3776 bbls Fresh Slickwater, Running TLTR 43099 bbls	
5	4695-5152	1500 gals 15% HCL acid, 4051 bbls Fresh Slickwater, Running TLTR 47150 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	John 3404 1-20H
Doc ID	1220254

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	24	20	75	93	Basin Services 10 sack grout	16	none
Surface	12.25	9.63	36	510	Schlumberger Class C	270	2% CaCl2, .13 lb/sk LCM
Intermediate	8.75	7	26	5330	Schlumberger Class H	370	4% D020, 2.0 lb/sk D042, .6% D112

BASIN SERVICES

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

TICKET

TICKET NUMBER: WY-290-1
TICKET DATE: 05/14/2014

ELECTRONIC

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

YARD: WY WAYNOKA OK
LEASE: John 3404
WELL#: 1-20H
RIG #: Horizon 15
Co/St: SUMNER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT
5/13-14/2014 DRILLED 30" CONDUCTOR HOLE			
5/13-14/2014 20" CONDUCTOR PIPE (.250 WALL)			
5/13-14/2014 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING			
5/13-14/2014 DRILL & INSTALL 6' X 6' CELLAR TINHORN			
5/13-14/2014 DRILLED 20" MOUSE HOLE (PER FOOT)			
5/13-14/2014 16" CONDUCTOR PIPE (.250 WALL)			
5/13-14/2014 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE			
5/13-14/2014 WELDING SERVICES FOR PIPE & LIDS			
5/13-14/2014 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING CONCRETE			
5/13-14/2014 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR MOUSEHOLE PIPE)			
5/13-14/2014 16 YDS OF 10 SACK GROUT			
5/13-14/2014 TAXABLE ITEMS			5,760.00
5/13-14/2014 BID - TAXABLE ITEMS			11,490.00

Sub Total: 17,250.00
Tax SUMNER COUNTY (6.65 %):   383.04
TICKET TOTAL: $ 17,633.04

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

Approved Signature _____

AFE Number: __13786__
Well Name: __MiSAK 340r 1-30H__
Code: __850-010__
Amount: __$17,633.04__
Co. Man: _Cedy A__
Co. Man Sig.: _Cedyn__
Notes:_____

Schlumberger

Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Original

Service Contract Number
CLI6-00084

Left District	Date: 24-May-2014	Time: 11:00 PM	
Arrive Location	Date: 25-May-2014	Time: 2:30 AM	
Start Job	Date: 25-May-2014	Time: 4:00 AM	
Complete Job	Date: 25-May-2014	Time: 5:00 AM	
Leave Location	Date: 25-May-2014	Time: 6:00 AM	
Arrived District	Date: 25-May-2014	Time: 9:00 AM	

Invoice Mailing Address:

SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)

123 ROBERT S. KERR AVENUE

OKLAHOMA CITY   OK

73102-6406   United States

Service Description Cementing Primary, Primary Surface

Customer PO	**Contract**	**Well Name & Number**	**Field**
		John 3404 1-20H	

AFE	**Cust Ref**	**County / Parish / Block / Borough**	**State / Province**
DC 13843		Sumner	Kansas

Customer or Authorized Representative		**Schlumberger Location**	**Legal Location**
Sandridge Energy Inc. Representative		El Reno, OK	

API / UWI	**Pricebook**	**Rig**
	B0JS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_	Horizon 15

Service Instructions:

Provide services, equipment, equipment and materials to safely cement 9 5/8" Surface casing per client specifications.   Pump 10 bbl WATER, 160 sks 35:65 PozC + Adds @ 12.4 ppg, 110 sks Class C + Adds @ 14.8 ppg, drop top plug and displace per customer request.

ZIPS:
H2O: 016480
LEAD: 016588
TAIL: 016029

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Quantity	UOM	Price	Discount	Amount
Products						
56702095	Plug, Cementing Top Plastic 9.625 in	1	EA	500.00	47.00%	265.00
D020	Bentonite Extender	835	LB	0.50	47.00%	221.27
D035-CF	LITEPOZ 3 Extender	56	CF	9.20	47.00%	273.06
D130	Polyester Flake	34	LB	4.40	47.00%	79.29
D003	Cement, Class C	213	CF	22.93	47.00%	2,013.13
S001	Calcium Chloride 77pct concentration	278	LB	1.44	47.00%	212.17
				Products Subtotal:		6,916.87
				Discount:		3,250.93
				Products Total:		3,665.94
Services						
48019000	Bulk Unit, Cement Add Hr	2.5	HR	115.00	47.00%	152.37
48601000	Cement Plug Container	1	JOB	556.40	47.00%	294.89
49100000	Cement Blending Charge	290	CF	2.43	47.00%	373.49
49102000	Transportation, Cement Ton-mile	636	MI	2.16	47.00%	728.09
59200002	Transportation, Mileage Heavy Vehicles	100	MI	5.91	47.00%	313.23
59200005	Transportation, Mileage Light Vehicles	100	MI	3.47	47.00%	183.91
59697004	CemCAT Monitoring System	1	JOB	941.60	47.00%	499.05
102871020	Pump, Casing Cement 0-2000 ft	1	EA	2,396.80	47.00%	1,270.30
102946000	Fuel Surcharge (non-discounted)	2	EA	450.00		900.00
107158100	Circulating Equipment before job	1	EA	1,498.00	25.00%	1,123.50
107264001	Regulatory Conformance Charge	2	EA	364.87		729.74
				Services Subtotal:		10,326.50
				Discount:		3,757.93
				Services Total:		6,568.57

Total (Before Discount):	17,243.37		
Discount:	7,008.86		
Special Discount:	0.00	**Estimated Total (USD):**	10,234.51

Original

Schlumberger

Service Contract Receipt
SCHLUMBERGER TECHNOLOGY CORPORATION

Service Contract Number	**CQKW-00028**

	Date	Time
Left District		Date: 01-Jun-2014	Time: 10:00 AM
Arrive Location	Date: 01-Jun-2014	Time: 2:00 PM
Start Job	Date: 01-Jun-2014	Time: 7:00 PM
Complete Job	Date: 01-Jun-2014	Time: 8:00 PM
Leave Location	Date: 01-Jun-2014	Time: 9:00 PM
Arrived District	Date: 02-Jun-2014	Time: 1:00 AM

Invoice Mailing Address:
SANDRIDGE ENERGY INC. - FOR ELECTRONIC INVOICING ONLY (EDI)

123 ROBERT S. KERR AVENUE

OKLAHOMA CITY   OK
73102-6406   United States

Service Description Cementing Primary, Primary Intermediate

Customer PO	Contract		

Well Name & Number JOHN -3404- 1-20 H   **Field** EDEN ROAD

AFE	Cust Ref

County / Parish / Block / Borough Sumner   **State / Province** KS

Customer or Authorized Representative
Tim Mills

Schlumberger Location El Reno, OK   **Legal Location**

API / UWI	Pricebook	Rig
15191227490100	B0JS / WSV_GEOREF_USL_2011_USD_Pressure_Pumping_US_	HORIZON #15

Service Instructions:

Provide services, equipment, equipment and materials to safely cement 7" intermediate casing per client specifications.

Pump 10 bbl WATER, 270 sks 50:50 Poz:H + Adds @ 13.60 ppg, 100 sks Class H + Adds @ 15.60 ppg, drop top plug and displace per customer request.

THE ESTIMATED CHARGES AND DATA SHOWN BELOW ARE SUBJECT TO CORRECTION BY SCHLUMBERGER

Item	Description	Quantity	UOM	Price	Discount	Amount
Products						
D013	Retarder	92	LB	2.79	47.00%	136.04
D020	Bentonite Extender	908	LB	0.50	47.00%	240.62
D035-CF	LITEPOZ 3 Extender	136	CF	9.20	47.00%	663.14
D042	KOLITE Lost Circulation Additive	540	LB	0.99	47.00%	283.34
D065	TIC Dispersant	22	LB	7.86	47.00%	91.65
D079	Chemical Extender	46	LB	3.05	47.00%	74.36
D112	FLAC Fluid Loss Additive	136	LB	15.20	47.00%	1,095.62
D909	Cement, Class H	238	CF	24.13	47.00%	3,043.76
J916ND	J916ND Non-diesel CMHPG Slurry	6	GA	110.60	47.00%	351.71
				Products Subtotal:		11,283.44
				Discount:		5,303.20
				Products Total:		5,980.24
Services						
48019000	Bulk Unit, Per Hr on location	16	HR	115.00	47.00%	975.20
48020000	Pump, Cement Add Hr	4	HR	609.90	35.00%	1,585.74
48601000	Cement Plug Container	1	JOB	556.40	47.00%	294.89
49100000	Cement Blending Charge	400	CF	2.43	47.00%	515.16
49102000	Transportation, Cement Ton-mile	855	MI	2.16	47.00%	978.80
59200002	Transportation, Mileage Heavy Vehicles	100	MI	5.91	47.00%	313.23
59200005	Transportation, Mileage Light Vehicles	100	MI	3.47	47.00%	183.91
59697004	CemCAT Monitoring System	1	JOB	941.60	47.00%	499.05
102871055	Pump, Casing Cement 5001-5500 ft	1	EA	3,531.00	47.00%	1,871.43
102946000	Fuel Surcharge (non-discounted)	3	EA	450.00		1,350.00
107138100	Circulating Equipment before job	1	EA	1,498.00	25.00%	1,123.50
107264001	Regulatory Conformance Charge	3	EA	364.87		1,094.61
				Services Subtotal:		17,008.01
				Discount:		6,222.49
				Services Total:		10,785.52

Total (Before Discount):	28,291.45		
Discount:	11,525.69		
Special Discount:	0.00	**Estimated Total (USD):**	16,765.76

Date Printed: 01-Jun-2014 8:17 PM

Directional Survey Calculations	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
SHL	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5037	255	1600	3712
BHL	8970	92.70	359.60	4468.44	4690.30	-288.54	4699.17	0.00	340	4951	1315	4008
Miss Entry	4575	55.87	324.45	4434.66	354.67	-259.66	369.69	8.82	4676	615	1341	3972
Top Perf	4695	65.68	333.16	4492.57	443.77	-314.82	461.95	11.18	4586	705	1286	4028
Bottom Perf	8970	92.70	359.60	4468.44	4690.30	-288.54	4699.17	0.00	340	4951	1315	4008

Survey Points		X	Y								m	
	NW Corner XY Coord	2209009	151945						North Line slope	0.0236664		
	SW Corner XY Coord	2209013	146661		Surface XY	X 2210613	Y 146946		East Line slope	0.0015063		
	NE Corner XY Coord	2214333	152071						South Line slope	0.018637		
	SE Corner XY Coord	2214325	146760						West Line slope	-0.000757		

	Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
	0	0.0	0	0	0	0	0	0	5037	255	1600	3712
	250	0.20	258.70	250.00	-0.1	-0.4	-0.06	0.08	5037	255	1600	3713
	500	1.20	258.70	499.98	-0.7	-3.4	-0.48	0.40	5038	255	1597	3716
	597	1.10	258.70	596.96	-1.1	-5.3	-0.74	0.10	5038	254	1595	3718
	689	1.20	266.40	688.94	-1.3	-7.2	-0.86	0.20	5038	254	1593	3719
	781	1.60	278.00	780.91	-1.2	-9.4	-0.61	0.53	5038	254	1591	3722
	873	1.20	280.50	872.88	-0.8	-11.6	-0.12	0.44	5038	255	1589	3724
	964	0.70	279.30	963.87	-0.6	-13.1	0.23	0.55	5037	255	1587	3725
	1054	0.30	344.20	1053.87	-0.2	-13.7	0.58	0.70	5037	255	1587	3726
	1422	0.40	323.00	1421.86	1.7	-14.7	2.59	0.04	5035	257	1585	3727
	1896	0.70	50.20	1895.85	4.9	-13.5	5.69	0.17	5032	260	1587	3726
	2369	1.00	0.00	2368.80	10.9	-11.3	11.52	0.16	5026	266	1589	3724
	2841	0.40	55.90	2840.77	15.9	-9.9	16.47	0.18	5021	271	1590	3722
	2936	0.20	13.50	2935.76	16.2	-9.6	16.80	0.30	5020	272	1591	3722
	3031	0.50	61.00	3030.76	16.6	-9.2	17.13	0.41	5020	272	1591	3722
	3125	0.60	62.50	3124.76	17.0	-8.4	17.51	0.11	5020	272	1592	3721
	3220	0.50	34.70	3219.75	17.6	-7.7	18.04	0.30	5019	273	1592	3720
	3315	0.50	267.30	3314.75	17.9	-7.9	18.37	0.94	5019	273	1592	3720
	3410	0.60	275.00	3409.75	18.0	-8.8	18.45	0.13	5019	273	1591	3721
	3506	0.90	333.90	3505.74	18.7	-9.7	19.22	0.81	5018	274	1591	3722
	3599	0.70	340.40	3598.73	19.9	-10.2	20.44	0.24	5017	275	1590	3722
	3662	0.50	314.30	3661.73	20.4	-10.5	21.01	0.53	5016	276	1590	3723
	3694	0.60	241.00	3693.73	20.4	-10.7	21.04	2.07	5016	276	1589	3723
	3726	1.60	285.40	3725.72	20.5	-11.3	21.12	3.89	5016	276	1589	3724
	3757	4.50	310.10	3756.68	21.4	-12.7	22.09	10.06	5015	277	1588	3725
	3789	7.30	317.10	3788.50	23.7	-15.0	24.53	9.02	5013	279	1585	3727
	3821	10.30	321.50	3820.12	27.4	-18.2	28.44	9.60	5009	283	1582	3731
	3852	13.10	322.60	3850.48	32.4	-22.0	33.63	9.06	5004	288	1578	3734
	3883	15.80	322.70	3880.49	38.5	-26.7	40.05	8.71	4998	294	1574	3739
	3915	17.70	322.00	3911.13	45.8	-32.4	47.68	5.97	4990	302	1568	3745
	3947	19.40	322.50	3941.47	53.9	-38.6	56.09	5.34	4982	310	1562	3751
	3978	21.70	323.00	3970.50	62.5	-45.2	65.13	7.44	4973	319	1555	3758
	4010	24.40	323.40	3999.94	72.6	-52.7	75.60	8.45	4963	329	1548	3765
Top of Tangent @ 5064'	4041	26.40	323.80	4027.94	83.3	-60.6	86.76	6.48	4952	340	1540	3773
	4073	26.60	327.20	4056.58	95.0	-68.7	98.99	4.78	4940	351	1532	3781
	4104	27.80	329.40	4084.15	107.1	-76.1	111.47	5.05	4928	364	1524	3789
	4136	30.10	329.60	4112.15	120.4	-84.0	125.27	7.19	4915	377	1516	3796
	4168	31.90	328.70	4139.58	134.6	-92.4	139.90	5.81	4900	391	1508	3805
Btm of Tangent @ 5355'	4199	33.30	326.90	4165.70	148.7	-101.3	154.54	5.49	4886	406	1499	3814
	4231	35.50	325.20	4192.10	163.7	-111.4	170.11	7.50	4871	421	1489	3824
	4262	37.40	323.60	4217.03	178.7	-122.1	185.70	6.85	4855	436	1478	3835
	4293	39.50	321.90	4241.31	194.0	-133.8	201.71	7.58	4840	452	1467	3846
	4325	41.50	321.40	4265.64	210.3	-146.7	218.76	6.33	4823	468	1454	3859
	4356	43.50	320.50	4288.50	226.6	-159.9	235.79	6.74	4807	485	1440	3873
	4388	44.00	321.00	4311.61	243.7	-173.9	253.73	1.90	4789	502	1426	3887
	4420	44.60	321.60	4334.51	261.1	-187.9	271.99	2.29	4771	520	1413	3901
	4451	45.70	322.10	4356.38	278.4	-201.4	290.06	3.73	4754	537	1399	3914
	4483	48.10	322.30	4378.24	296.9	-215.8	309.35	7.51	4735	556	1385	3928
	4514	50.90	321.90	4398.37	315.5	-230.2	328.79	9.09	4716	575	1370	3943
	4546	53.60	323.00	4417.96	335.5	-245.7	349.74	8.86	4696	595	1355	3958
	4578	56.10	324.60	4436.38	356.6	-261.1	371.75	8.82	4674	617	1339	3974
	4609	59.10	326.00	4452.99	378.2	-276.0	394.13	10.40	4652	638	1324	3989
	4641	61.70	327.90	4468.80	401.5	-291.2	418.32	9.63	4629	662	1309	4004
	4672	64.10	331.00	4482.92	425.3	-305.2	442.89	11.80	4604	686	1295	4018
	4704	66.30	334.00	4496.35	451.0	-318.6	469.41	10.94	4578	712	1282	4032
	4736	68.50	336.70	4508.65	477.9	-330.9	496.95	10.39	4551	739	1270	4044
	4767	70.60	339.30	4519.48	504.8	-341.8	524.49	10.37	4524	766	1259	4055
	4799	73.50	342.50	4529.34	533.6	-351.7	553.80	13.14	4495	795	1249	4065
	4830	75.80	345.10	4537.55	562.3	-360.1	582.95	10.97	4466	824	1241	4073
	4862	77.80	348.40	4544.86	592.6	-367.2	613.65	11.83	4436	855	1233	4080
	4895	79.50	352.10	4551.35	624.5	-372.7	645.80	12.14	4404	887	1228	4086
	4926	81.70	354.80	4556.42	654.8	-376.2	676.34	11.14	4373	917	1225	4089
	4958	84.10	358.10	4560.37	686.5	-378.1	708.08	12.69	4341	949	1223	4091
	4989	85.00	0.30	4563.32	717.4	-378.6	738.91	7.64	4311	980	1222	4092
	5020	86.00	2.20	4565.75	748.3	-377.9	769.71	6.91	4280	1010	1223	4091

Measured Depth (ft)	Sub-Sea Incl. (deg)	Vertical Azim. (ft)	True Vert Depth (ft)	Northings (+) Southings (-) (ft)	Eastings (+) Westings (-) (ft)	Vert Section (ft)	DLS deg/100' (deg)	FNL	FSL	FWL	FEL
5052	87.40	4.30	4567.59	780.2	-376.1	801.43	7.88	4248	1042	1225	4090
5084	88.70	5.10	4568.68	812.0	-373.5	833.09	4.77	4216	1074	1227	4087
5115	90.00	5.30	4569.03	842.9	-370.6	863.73	4.24	4185	1105	1230	4084
5147	91.10	5.50	4568.72	874.8	-367.6	895.35	3.49	4153	1137	1233	4081
5178	92.00	5.30	4567.89	905.6	-364.7	925.97	2.97	4123	1168	1236	4078
5210	91.30	5.10	4566.96	937.2	-361.8	957.59	2.27	4091	1199	1239	4076
5241	89.50	5.30	4566.75	968.3	-359.0	988.23	5.84	4060	1230	1242	4073
5273	89.90	5.50	4566.92	1000.2	-356.0	1019.85	1.40	4028	1262	1245	4070
5311	91.10	5.50	4566.58	1038.0	-352.4	1057.39	3.16	3991	1300	1249	4066
5393	91.60	5.10	4564.65	1119.7	-344.8	1138.41	0.78	3909	1381	1256	4059
5487	91.00	5.80	4562.52	1213.2	-335.9	1231.25	0.98	3816	1475	1265	4050
5582	89.80	4.40	4561.86	1307.8	-327.4	1325.18	1.94	3721	1569	1274	4042
5677	89.10	4.10	4562.77	1402.6	-320.4	1419.32	0.80	3627	1664	1281	4035
5771	90.90	4.60	4562.77	1496.3	-313.2	1512.45	1.99	3533	1757	1288	4028
5866	90.10	3.20	4561.94	1591.0	-306.8	1606.66	1.70	3439	1852	1295	4021
5961	90.20	2.20	4561.69	1685.9	-302.3	1701.11	1.06	3344	1947	1299	4017
6055	88.80	1.40	4562.43	1779.9	-299.4	1794.71	1.62	3250	2041	1302	4014
6150	93.30	0.60	4560.61	1874.8	-297.7	1889.38	4.71	3155	2136	1304	4013
6244	92.90	359.00	4555.52	1968.7	-298.0	1983.08	1.75	3061	2229	1304	4013
6270	93.20	358.60	4554.14	1994.7	-298.6	2009.03	1.92	3035	2255	1303	4014
6364	92.50	0.10	4549.46	2088.5	-299.6	2102.79	1.76	2941	2349	1302	4015
6459	92.00	359.60	4545.73	2183.5	-299.9	2197.56	0.74	2846	2444	1302	4015
6554	93.20	359.30	4541.43	2278.3	-300.8	2292.34	1.30	2751	2539	1301	4017
6649	93.80	0.40	4535.63	2373.2	-301.0	2387.00	1.32	2657	2634	1301	4017
6744	92.00	1.50	4530.82	2468.0	-299.5	2481.60	2.22	2562	2729	1303	4015
6838	92.50	2.90	4527.13	2561.9	-295.9	2575.06	1.58	2468	2823	1306	4012
6933	88.30	3.20	4526.47	2656.7	-290.8	2669.43	4.43	2373	2917	1311	4007
7028	88.30	2.40	4529.28	2751.6	-286.2	2763.82	0.84	2279	3012	1316	4003
7122	88.10	1.80	4532.24	2845.5	-282.7	2857.33	0.67	2185	3106	1320	3999
7216	91.20	2.20	4532.81	2939.4	-279.4	2950.89	3.33	2091	3200	1323	3996
7311	93.10	2.00	4529.25	3034.3	-276.0	3045.37	2.01	1996	3295	1327	3993
7406	92.30	1.50	4524.77	3129.1	-273.1	3139.88	0.99	1901	3389	1330	3990
7501	93.60	0.80	4519.88	3224.0	-271.2	3234.44	1.55	1807	3484	1331	3988
7595	93.40	1.10	4514.14	3317.8	-269.6	3327.99	0.38	1713	3578	1333	3987
7690	95.50	1.30	4506.77	3412.5	-267.6	3422.38	2.22	1618	3673	1335	3985
7784	97.00	0.30	4496.54	3505.9	-266.3	3515.56	1.91	1525	3766	1337	3984
7816	97.10	1.30	4492.61	3537.6	-265.9	3547.23	3.12	1493	3798	1337	3983
7848	97.10	0.80	4488.66	3569.4	-265.3	3578.89	1.55	1461	3830	1338	3983
7879	94.90	0.90	4485.42	3600.2	-264.8	3609.63	7.10	1430	3860	1338	3983
7911	93.40	0.70	4483.10	3632.1	-264.4	3641.46	4.73	1399	3892	1339	3982
7942	92.70	0.00	4481.45	3663.1	-264.2	3672.34	3.19	1368	3923	1339	3982
7974	92.20	359.20	4480.08	3695.0	-264.4	3704.27	2.95	1336	3955	1339	3982
8006	91.90	358.80	4478.94	3727.0	-265.0	3736.22	1.56	1304	3987	1338	3983
8037	89.30	357.70	4478.61	3758.0	-265.9	3767.20	9.11	1273	4018	1337	3984
8069	88.80	357.90	4479.15	3790.0	-267.2	3799.19	1.68	1241	4050	1336	3985
8100	89.70	357.90	4479.55	3821.0	-268.3	3830.18	2.90	1210	4081	1335	3986
8132	90.30	357.90	4479.55	3852.9	-269.5	3862.17	1.88	1178	4113	1334	3988
8163	89.50	358.20	4479.61	3883.9	-270.5	3893.16	2.76	1147	4144	1333	3989
8195	87.70	357.90	4480.39	3915.9	-271.6	3925.13	5.70	1115	4176	1332	3990
8227	87.20	357.90	4481.81	3947.8	-272.8	3957.09	1.56	1083	4208	1330	3991
8258	87.90	357.80	4483.14	3978.8	-273.9	3988.06	2.28	1052	4239	1329	3992
8290	89.00	358.50	4484.00	4010.7	-275.0	4020.03	4.07	1020	4271	1328	3993
8321	90.50	358.70	4484.14	4041.7	-275.7	4051.01	4.88	989	4302	1328	3994
8353	90.50	358.60	4483.86	4073.7	-276.5	4082.99	0.31	957	4334	1327	3995
8384	91.20	358.60	4483.40	4104.7	-277.2	4113.96	2.26	926	4365	1326	3996
8447	91.20	358.60	4482.08	4167.7	-278.8	4176.91	0.00	863	4428	1325	3997
8542	89.90	358.00	4481.17	4262.6	-281.6	4271.86	1.51	768	4523	1322	4000
8637	90.40	358.80	4480.92	4357.6	-284.3	4366.81	0.99	673	4618	1319	4003
8731	91.80	359.10	4479.11	4451.6	-286.0	4460.70	1.52	579	4712	1318	4005
8826	92.80	359.30	4475.30	4546.5	-287.3	4555.52	1.07	484	4807	1316	4006
8916	92.70	359.60	4470.98	4636.4	-288.2	4645.30	0.35	394	4897	1316	4007
8970	92.70	359.60	4468.44	4690.3	-288.5	4699.17	0.00	340	4951	1315	4008

Section 17
34S 4W

340' FNL

1315' FWL

BHL: 8970'
-97.779835 37.080755

Bottom Perf: 8894'
-97.779830 37.080609

Sumner County

Section 20
34S 4W

Top Perf: 4695'
-97.779651 37.069205

Miss Entry: 4575'
-97.779454 37.068965

JOHN 3404 1-20H

PETER 3404 2-20H

JUNEBUG SWD 3404 1-20

PETER 3404 1-20H

◐	Actual BH Location	
✳	SandRidge Wells	
– – –	Perf	
☐	Sections	

Actual Bottom-Hole Location of John 3404 1-20H
T&R: 34S 4W
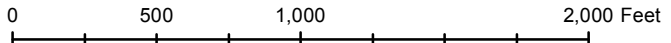**Section: 20, 1315' FWL & 340' FNL**
-97.779835 37.080755

1 in = 667 ft

0	500	1,000	2,000 Feet

N

Draftsman:
Dory Deines

Draft Date: 8/26/2014

Drawing Name/Number:
Addendum_John 3404 1-20H.mxd

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

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	8/19/2014
Job End Date:	8/20/2014
State:	Kansas
County:	Sumner
API Number:	15-191-22749-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	John 3404 1-20H
Longitude:	-97.77820122
Latitude:	37.06799080
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,468
Total Base Water Volume (gal):	2,418,065
Total Base Non Water Volume:	0

FracFocus Chemical Disclosure Registry

GROUNDWATER PROTECTION COUNCIL

INTERSTATE Oil & Gas COMPACT COMMISSION

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	95.60212	None
Sand (Proppant)	Archer	Proppant					
			Silica Substrate	NA	100.00000	3.58203	None
Hydrochloric Acid (15%)	Archer	Acidizing					
			Hydrochloric Acid	7647-01-0	15.00000	0.10534	None
			NONYL PHENOL, 4 MOL	104-40-5	10.00000	0.00378	None
			Methyl Alcohol	67-56-1	80.00000	0.00087	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	0.00116	None
DiKlor	Sabre Energy Services	Oxidizer					
			Chlorine Dioxide	10069-04-4	0.40000	0.00029	
			Water	7732-18-5	99.90000		
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		0.03731	

			WATER	7732-18-5		0.02267	
			Aliphatic Hydrocarbon	64742-47-8		0.01865	
			Anionic Polymer	N/A		0.01865	
			TRADE SECRET	N/A		0.01512	
			Water	7732-18-5		0.00780	
			METHANOL	67-56-1		0.00378	
			ISOPROPANOL	67-63-0		0.00378	
			Oxyalkylated Alcohol	68002-97-1		0.00311	
			Polyol Ester	N/A		0.00311	
			Water	7732-18-5		0.00136	
			Sodium Salt of Phosphate Ester	68131-72-6		0.00130	
			Acrylic Polymer	28205-96-1		0.00130	
			Polyglycol Ester	N/A		0.00062	
			Alcohol Ethoxylate Surfactants	N/A		0.00016	
			n-olefins	N/A		0.00009	
			Propargyl Alcohol	107-19-7		0.00006	
			Tetrasodium Ethylenediaminetetraacetate	64-02-8		0.00006	
			Surfactant	N/A			
			Water	7732-18-5			
			Buffer	N/A			
			Cinnamic Aldehyde	104-55-2			
			Acetic Acid	64-19-7			

* 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)