Confidentiality Requested: Yes No

CORRECTION #1

**KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION** 

1155178

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

## WELL COMPLETION FORM

DPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:, (e.gxxx.xxxx)
Name:	
Vellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
OG     GSW     Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
f Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Dperator:	If Alternate II completion, cement circulated from:
Vell Name:	feet depth to:w/sx cmt.
Driginal Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled         Permit #:           Dual Completion         Permit #:	Dewatering method used:
Dual Completion         Permit #:           SWD         Permit #:	Location of fluid disposal if hauled offsite:
ENHR         Permit #:	Location of huld disposal in hadred offsite.
GSW Permit #:	Operator Name:
	Lease Name: License #:

County:

Spud Date or **Recompletion Date**  Date Reached TD

Completion Date or **Recompletion Date** 

> **KCC Office Use ONLY** Confidentiality Requested Date: Confidential Release Date: \_ Wireline Log Received **Geologist Report Received** UIC Distribution ALT I II II Approved by: \_\_\_\_ Date:

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

# 

1155178

Operator Nar	me:			_ 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 Taker (Attach Additional		Yes No	Log Formation (Top), Depth and Datum			Sam	nple	
Samples Sent to Geo		Yes No	Nam	е		Тор	Datu	um
Cores Taken Electric Log Run		☐ Yes ☐ No ☐ Yes ☐ No						
List All E. Logs Run:								
		CASING Report all strings set-o	RECORD Ne		ion, 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 Additi	
		ADDITIONAL	. CEMENTING / SQL	JEEZE RECORD				
Purpose: Perforate	Depth Top Bottom	Type of Cement	# Sacks Used		Type and Po	ercent Additives		
Protect Casing								
Plug Off Zone								
Did you perform a hydra	ulic fracturing treatment of	on this well?		Yes	No (If No, ski	o questions 2 an	nd 3)	
		Iraulic fracturing treatment ex				o question 3)		
Was the hydraulic fracture	ring treatment informatio	n submitted to the chemical of	disclosure registry?	Yes	No (If No, fill o	out Page Three o	of the ACO-1)	
Shots Per Foot		ON RECORD - Bridge Plug			cture, Shot, Cement		k	Dopth

011013 1 01 1 001	Specify Footage of Each Interval Perforated				(Amount and Kind	l of Material Used)	Depth		
TUBING RECORD:	Si	ze:	Set At:	: Packe	er At:	Liner F	Run:	No	
Date of First, Resumed	Product	ion, SWD or ENHF	۲.	Producing Method:	nping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
								r	
DISPOSITI	ON OF (	GAS:		METHOD	OF COMPLE	ETION:		PRODUCTION INTER	RVAL:
Vented Solo		Used on Lease		Open Hole Perf.	Dually (Submit)		Commingled (Submit ACO-4)	·	
(If vented, Su	bmit ACC	D-18.)		Other (Specify)					

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Peter 3404 1-20H
Doc ID	1155178

All Electric Logs Run

Boresight		
Mud Log		
Porosity		
Resistivity		

Form	ACO1 - Well Completion			
Operator	SandRidge Exploration and Production LLC			
Well Name	Peter 3404 1-20H			
Doc ID	1155178			

Shots Per Foot	Perforation Record	Material Record	Depth
5	11188-11476	1500 gals 15% HCL, 4319 bbls Fresh Slickwater, Running TLTR= 4355 bbls	
5	10788-11131	1500 gals 15% HCL, 4258 bbls Fresh Slickwater, Running TLTR= 8950 bbls	
5	10330-10662	1500 gals 15% HCL, 4327 bbls Fresh Slickwater, Running TLTR= 13576 bbls	
5	9934-10258	1500 gals 15% HCL, 4250 bbls Fresh Slickwater, Running TLTR= 18102 bbls	
5	9546-9872	1500 gals 15% HCL, 4185 bbls Fresh Slickwater, Running TLTR= 22521 bbls	
5	9130-9450	1500 gals 15% HCL, 4207 bbls Fresh Slickwater, Running TLTR= 26961 bbls	
5	8800-9064	1500 gals 15% HCL, 4228 bbls Fresh Slickwater, Running TLTR= 31392 bbls	
5	8328-8674	1500 gals 15% HCL, 4249 bbls Fresh Slickwater, Running TLTR= 35832 bbls	

Form	ACO1 - Well Completion			
Operator	SandRidge Exploration and Production LLC			
Well Name	Peter 3404 1-20H			
Doc ID	1155178			

Shots Per Foot	Perforation Record	Material Record	Depth
5	7919-8230	1500 gals 15% HCL, 4068 bbls Fresh Slickwater, Running TLTR= 40072 bbls	
5	7540-7826	1500 gals 15% HCL, 4046 bbls Fresh Slickwater, Running TLTR= 44269 bbls	
5	7160-7416	1500 gals 15% HCL, 4215 bbls Fresh Slickwater, Running TLTR= 48620 bbls	
5	6712-7026	1500 gals 15% HCL, 4087 bbls Fresh Slickwater, Running TLTR= 52833 bbls	
5	6297-6653	1500 gals 15% HCL, 4230 bbls Fresh Slickwater, Running TLTR= 57177 bbls	
5	5932-6212	1500 gals 15% HCL, 4212 bbls Fresh Slickwater, Running TLTR= 61492 bbls	
5	5490-5858	1500 gals 15% HCL, 4177 bbls Fresh Slickwater, Running TLTR= 65753 bbls	
5	5143-5438	1500 gals 15% HCL, 4179 bbls Fresh Slickwater, Running TLTR= 69998 bbls	

Form	ACO1 - Well Completion			
Operator	SandRidge Exploration and Production LLC			
Well Name	Peter 3404 1-20H			
Doc ID	1155178			

Shots Per Foot	Perforation Record	Material Record	Depth
5		1500 gals 15% HCL, 4350 bbls Fresh Slickwater, Running TLTR= 74399 bbls	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Peter 3404 1-20H
Doc ID	1155178

## 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	30	20	75	90	Edge Services Grade A Cement	11	none
Surface	12.25	9.63	36	545	Halliburton Extendac em and Swiftcem Systems	350	3% Calcium Chloride, .25 lbm Poly-E- Flake
Intermedia te	8.75	7	26	4787	Halliburton Econocem and Halcem Systems	310	.4% Halad(R)- 9, 2 lbm Kol-Seal, 2% Bentonite
Production Liner	6.12	4.5	11.6	9999	Halliburton Econocem System/ CMT- Premium Cement		.4% Halad(R)- 9, 2 lbm Kol-Seal, 2% Bentonite/ 94 lbm CMT- Premium Class H, 2% Calcium Chloride





## Sandridge Peter 3404 1-20H 200 FSL, 510 FEL\_Final Surveys.

Page 2 of 6

Operator	San	dridge Energy				Slot		Peter 3404 1-20H 20	0 FSL, 510 FEL		
Area	Kan	รกร				Well		Subject			
Field	Sum	ner County, KS	(Sandridge	Energy) NAD	27 / Grid	Wellb	ore	Peter 3404 1-20H AV	VB		
Facility		r 3404 1-20H Se		2							
acting	fren	1 3404 1-2011 30	20 20 343 4 11								
	ATH	DATA (166 sta		nterpolated/	a second and a second and a second and						
MD [ft]		Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [%100ft]	Comments
	0.00	0.000	64.390	0.00	0.00	0.00	0.00		146951.00	0.00	
	5.00	0.000	64.390	15.00	0.00	0.00	0.00		146951.00	0.00	
	2.00	0.600	64.390	232.00	0.47	0.49	1.02		146951.49	0.28	
	5.00	1.230	64.390	544.95	2.56	2.65	5.53		146953.65	0.20	
	2.00	0.680	64.390	631.94	3,16	3.28	6.84		146954.28	0.63	122334
	3.00	0.870	234.330	722.94	2.99	3.11	6.77		146954.11	1.70	indiana an
	5.00	0.330	186.900	814.93	2.33	2.44	6.17	2213821.17	146953.44	0.75	
907		0.560	144.810	906.93	1.70	1.81	6.39	2213821.17 2213821.39	146953.44	0.73	
999		0.500	135,110	908.93						0.42	
1091		0.300	76,190		1.04	1.16	6.94	2213821.94	146952.16		
1183		0.370		1090.93	0.82	0.94	7.51	2213822.51	146951.94	0.48	Sec. a.C
			188.510	1182.92	0.73	0.86	7.77	2213822.77	146951.86	0.52	
1276		0.300	187.820	1275.92	0.34	0.47	7.72	2213822.72	146951.47	0.12	
1368		0.160	134.800	1367.92	0.01	0.14	7.78	2213822.78	146951.14	0.26	
1461		0.150	325.580	1460.92	0.02	0.15	7.80	2213822.80	146951.15	0.33	
1555		0.040	85.710	1554.92	0.12	0.25	7.76	2213822.76	146951.25	0.18	
1647	1	0.150	239.650	1646.92	0.06	0.19	7.69	2213822.69	146951.19	0.20	
1739		0.090	108.190	1738.92	-0.02	0.11	7.65	2213822.66	146951.11	0.24	
1831		0.420	245.040	1830.92	-0.18	-0.05	7.42	2213822.42	146950.95	0.53	
1924		0.480	15.800	1923.92	0.06	0.18	7.21	2213822.22	146951.18	0.88	
2019	the second second	0.660	323.070	2018.92	0.88	1.00	6.99	2213821.99	146952.00	0.56	
2114.		0.560	290.570	2113.91	1.49	1.60	6.23	2213821.23	146952.60	0.37	
2209.		0.280	251.040	2208.91	1.59	1.69	5.58	2213820.58	146952.69	0.41	
2304.		0.130	26.820	2303.91	1.62	1.71	5.41	2213820.41	146952.71	0.40	
2399.		0.120	210.990	2398.91	1.63	1.72	5.40	2213820.40	146952.72	0.26	
2494.		0.070	293.700	2493.91	1.57	1.66	5.30	2213820.30	146952.66	0.14	
2588.		0.070	45.040	2587.91	1.63	1.72	5.29	2213820.29	146952.72	0.12	
2683.		0.170	237.550	2682.91	1.60	1.68	5.21	2213820.21	146952.68	0.25	
2778.		0.110	222.590	2777.91	1.46	1.54	5.03	2213820.03	146952.54	0.07	
2874.		0.100	294.900	2873.91	1.43	1.51	4.89	2213819.89	146952.51	0.13	
2969.	.00	0.040	107.560	2968.91	1.45	1.53	4.85	2213819.85	146952.53	0,15	
3064.	.00	0.030	197.680	3063.91	1.42	1.50	4.87	2213819.87	146952.50	0.05	
3158.	.00	0.040	135.380	3157.91	1.37	1.45	4.89	2213819.89	146952.45	0.04	
3254.	00	0.110	331.240	3253.91	1.43	1.51	4.87	2213819.87	146952.51	0.16	
3350.	00	0.190	264.740	3349.91	1.50	1.58	4.66	2213819.66	146952.58	0.18	
3445.0	00	0.090	27.700	3444.91	1.55	1.63	4.54	2213819,54	146952.63	0.26	
3539.0		0.130	41.980	3538.91	1.69	1.77	4.65	2213819.65	146952.77	0.05	
3634.0		0.450	327.250	3633.91	2.09	2.17	4.52	2213819.52	146953.17	0.46	
3665.0		2.020	345.240	3664.90	2,72	2.80	4.31	2213819.31	146953.80	5.16	
3697.0		3.420	350.170	3696.86	4.22	4.28	4.00	2213819.00	146955.28	4.43	
3728.0		5.200	351.050	3727.77	6,52	6.58	3,63	2213818.63	146957,58	5.75	
3760.0		6.800	349.710	3759.60	9.83	9.88	3.06	2213818.06	146960.88	5.02	
3792.0		9.100	347.380	3791.29	14.17	14.21	2.17	2213817.17	146965.21	7.26	
3823.0		12.210	346.530	3821.75	19.78	19.79	0.87	2213815.87	146970.80	10.04	
3855.0		15.960	342.820	3852.78	27.31	27.29	-1.22	2213813.78	146978.29	12.05	
3886.0		19,220	340.670	3882.33	36.25	36.18	-4.16	2213810.84	146987.18	10.72	





## Sandridge Peter 3404 1-20H 200 FSL, 510 FEL\_Final Surveys.

Page 3 of 6

RADIORI	and a local design of the	and the second second	and the state of the state	DI DI CHI II II	NKC/MUL	011		A Barris		
Operator	Sandric	ige Ene	rgy					Slot		Peter 3404 1-20H 200 FSL, 510 FEL
Area	Kansas	1						Well		Subject
Field	Sumner	·County	y, KS (S	andridg	e Energy	y) NAD	027 / Grid	Well	bore	Peter 3404 1-20H AWB
Facility	Peter 3	404 1-20	H Sec 2	0 34S 4	W					
								1		
WELLP						olated/	<i>extrapolat</i>	per based in the second second second		
	nclination			Vert Sect		East	Grid East [US ft]	Grid North [US ft]	DLS [º/100ft]	Comments
[ft] 3918.00	[°] 21.520	°  339.900	[ft]	[ft] 46.79	[ft] 46.66	[ft] -7.92	2213807.07	146997.67	7.24	
3949.00		338.860		57.60			2213803.03		1.84	
3981.00		339.350		69.10				147019.84	3.43	
4011.00		342.300		80.55	A second s	1	2213794.72	147031.22	5.91	
4043,00			4027.19	93.60	93.21		2213791.16	1	7.09	
4074.00		349.370	the same days and the same days	106.52			2213788.45	147057.09	4.11	
4107.00	25.360	350.200	4085.15	120.32	119.85	-29.03	2213785.97	147070.85	2.11	
4129.00	26.884	348.902	4104.90	129.87	129.37	-30.79	2213784.21	147080.38	7.40	330' Hardline Cross 4129 MD (4105 TVD) 130 VS 330 FSL, 541 FEL Sec. 20
4138.00	27.510	348.410	4112.90	133.92	133.40	-31.59	2213783.40	147084.41	7.40	
4170.00	30.180	345.700	4140.93	149.01	148.44	-35.07	2213779.93	147099.45	9.29	
4201.00		344.130		164.58			2213775.75	and see in the second second second	7.11	
4233.00		346.040		181.61			2213771.24	147131.91	7.19	
4265.00		349.410		199.47			2213767.37	147149.71	6.56	
4334.00		355.450		240.53			2213762.01	147190.68	7.20	
4365.00		357,130		260.31	1		2213760.74		8.42	
4397.00		357.850		281.92			2213759.80		9.90	
4428.00		358.350		304.18			2213759.06	147254.29	12.12	
4460.00	51.190	359.520		328.50			2213758.62	147278.61	10.98	
4505.00 4554.00	1	359.730	4393.50	363.75			2213758.53 2213758.51	147313.87	1.08	
4586.00		359.150		402.24			2213758.26	147377.44	1.08	
4649.00		359.100		477.71			2213757.49	147427.83	4.78	
4681.00		359.390		504.45				147454.56	12.93	
4712.00	62.750		4514.21	531.49			2213757.01		13.00	
4744.00	64.480		4528.43	560.14			2213757,35		6.46	
4766.00	65.400		4537.75	580.05				147530.19	4.54	
4803.00	66.400		4552.86	613.78				147563.95	3.18	
4834.00	69.490		4564.49	642.44	641.61	-54.40	2213760.60	147592.64	10.49	
4865.00	73.860		4574.24	671.76	670.97	-52.48	2213762.52	147622.00	14.17	
4897.00	78.440	3.560	4581.90	702.71			2213764.56		14.37	
4928.00	82.640		4586.99	733.19			2213766.40		13.56	
4960.00	85.750		4590.23	764.93			2213768.29		9.72	
5017.00	91,110		4591.79	821.71			2213771.83	when a the second of a loss of a	9.41	
5048.00	92.250		4590.88	852.58			2213774.07		4.89	
5143.00	91.630		1587.66	947.11			2213781.27		0.91	
5237.00	89.630						2213786.65		2.68	
5332.00 5426.00	90.000						2213789.23 2213790.81		2.07	
5521.00	90.430 89.260						2213790.81 2213793.34		0.91	
5616.00	90.680						2213793.34		1.50	
5710.00							2213790.01		1.80	
5805.00	90.250					-	2213797.23		0.36	
5900.00							2213797.24		0.58	
5959.00							2213796.90 2213796.52		0.38	
995.00							2213796.28		5.09	





## Sandridge Peter 3404 1-20H 200 FSL, 510 FEL\_Final Surveys.

Page 4 of 6

Operator	Sandr	idge Energy				Slot	I	Peter 3404 1-20H 200	Peter 3404 1-20H 200 FSL, 510 FEL						
Area	Kansa	IS				Well	5	Subject							
Field			S (Sandridge	Energy) N	AD27 / Grid	Wellbo		Peter 3404 1-20H AW	B						
Facility			Sec 20 34S 4V					C(C) 5404 1-2011 / (*)							
racinty	reter	5404 1-2011 3	Sec 20 545 41	Y											
		ATA (166 st	tations)												
• MD [ft]	I	nclination [°]	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	DLS Co [%100ft]	mments				
6027.	00	93.760	1°1 359.750	[ft] 4584.29	[ft] 1830.38	[ft] 1830.32	[ft] -18.92	[US ft] 2 2213796.08	[US ft] 148781.40	6.79					
6090.		92.520	359.300	4580.84	1893.28	1893.22	-19.4		148781.40	2.09					
6135.		92.920	359.790	4578.68	1938.23	1938.17	-19.80		148889.25	1.51					
6185.		93.170	359.760	4575.99	1938.25	1938.17	-20.00		148839.23	0.36					
6233.		91.540	359.680	4574,02	2036.11	2036,05	-20.23		148987.14	3.40					
6281.		91.630	359,160	4572.69	2030,11	2084.03	-20.72	and an an and a second s	149035.12	1.10	No. me				
6326.		90.250	358.780	4571.95	2129.08	2129.02	-21.53		149033.12	3.18					
6376.		90.340	0.150	4571.69	2129.08	2129.02	-21.9		149080.11	2.75					
6421.		93.520	357.660	4570.18	2224.04	2223.97	-21.93		149130.11	8.97					
6471.		97.220	358.650	4565.50	2273.81	2273.72	-22.0.		149173.07	7.66	Sec				
6519.0	the second se	98.300	359.020	4559.02	2321.37	2321.27	-24.4	the second se	149224.81	2.38					
6566.0		97.380	358.780	4552.61	2367.93	2367.82	-25.42		149272.37	2.38					
6661.0		94.970	359.560	4542.39	2462.37	2462.25	-27.68		149318.92	2.66					
6692.0		94.290	358.660	4539.89	2493.26	2493.14	-28.10		149444.25	3.63					
6724.0		93.640	358.150	4537.67	2525.19	2525.05	-29.05		149476.16	2.58	124.2				
6756.0		92.560	358.070	4535.94	2557.13	2525.05	-30.10		149508.10	3.38					
6787.0		92.780	357.520	4534.50	2588.09	2587.93	-31.30		149539.04	1.91					
6819.0		91.540	357.800	4533.29	2620.06	2619.88	-32.60		149539.04	3.97					
6850.0		90.460	359.160	4532.75	2651.05	2650.87	-33.42		149601.98	5.60					
6882.0		90,680	359,430	4532.43	2683.05	2682.86	-33.82		149633.98	1.09	10				
6913.0	and a second	90.650	359.550	4532.08	2714.05	2713.86	-34.09	the second s	149664.98	0.40					
6946.0		90.370	359.340	4531.78	2747.05	2746.86	-34.41		149697.97	1.06					
7012.0		90.030	358.420	4531.55	2813.04	2812.84	-35.70		149763.96	1.00					
7041.0		89.230	357.780	4531.74	2842.04	2841.83	-36.66		149703.90	3.53					
7072.0		90.590	358.860	4531.79	2873.04	2872.81	-37.57		149792.93	5.60	4. N. 1 6.4				
7135.0		90.590	359.170	4531.14	2936.03	2935.80	-38.66	the second se	149823.93	0.49					
7230.0		91.510	359.600	4529.40	3031.01	3030.78	-39.68		149880.92	1.07					
7325.0		91.790	0,950	4526.66	3125.95	3125.73	-39.08		150076.87	1.07					
7419.0		92.630	0.780	4523.04	3219.83	3219.65	-39.22		150170.79	0.91					
7515.0		90.460	1.460	4520.45	3315.73	3315,59	-35.93	2213779.07	150266.73	2.37	-14712				
7610.0		89.940	1.800	4520.12	3410.63	3410.55	-33.22	2213779.07	150361.70	0.65					
7705.0		92.990	2.220	4517.69	3505.46	3505.45	-29.89		150456.60	3.24					
7799.0		89.690	359.250	4515.49	3599.37	3599.39	-28.69	2213785.11	150550.55	4.72					
7893.0		90.460	357.960	4515.37	3693.36	3693.36	-30.98	2213784.02	150644.52	1.60					
7988.0		90.800	357.780	4514.32	3788.34	3788.29	-34.51	2213780.49	150739.46	0.40	1. 1. juli - 1.				
8083.00		91.420	356.190	4512,48	3883.25	3883.14	-39.50	2213775.49	150834.31	1.80					
8177.00		91.450	355.900	4510.13	3977.10	3976.89	-45.99	2213769.01	150928.06	0.31					
8272.00		90.190	356.140	4508.77	4071.95	4071.65	-52.58	2213762.42	151022.82	1.35	-				
8367.00		90.090	356.780	4508.54	4166.86	4166.46	-58.44	2213756.55	151117.64	0.68					
8462.00		90,370	358.090	4508.16	4261.82	4261.37	-62.70	2213752.30	151212.55	1.41	1316				
8556.00	10 10	92.960	357.390	4505.42	4355.74	4355.24	-66.40	2213748.60	151212.55	2.85	2217.02				
8652.00		92.650	357.520	4500.73	4451.59	4451.03	-70.66	2213744.34	151402.23	0.35					
8746.00		92.040	356.260	4496.88	4545.45	4544.81	-75,75	2213739.24	151496.01	1.49					
8830.00		90.920	358.620	4494.71	4629.38	4628.70	-79.50	2213735.49	151579.89	3.11					
8911,00		90.550	359,390	4493.67	4710.37	4709.68	-80.91	2213734.09	151660.88	1.05	Ciule Ci				





## Sandridge Peter 3404 1-20H 200 FSL, 510 FEL\_Final Surveys.

Page 5 of 6

RICINION	NICE WELLPATH IDDISTURIES INTON		ME N.	
Operator	Sandridge Energy	Slot		Peter 3404 1-20H 200 FSL, 510 FEL
Area	Kansas	Well	1	Subject
Field	Sumner County, KS (Sandridge Energy) NAD27 / Grid	Well	lbore	Peter 3404 1-20H AWB
Facility	Peter 3404 1-20H Sec 20 34S 4W	-		
WELLD	ATH DATA (166 stations) = interpolated/extrapolated s	tation		
				Comments
[ft]	[°] [°] [ft] [ft] [ft] [ft] [US ft] [US	S ft]	[%100ft]	
9005.00	90.250 359.030 4493.01 4804.37 4803.66 -82.21 2213732.79 1517		0.50	
9100.00	89.660 359.690 4493.09 4899.37 4898.66 -83.27 2213731.73 15184	49.87	0.93	
9195.00	91.510 0.570 4492.12 4994.34 4993.65 -83.05 2213731.94 15194	44.86	2.16	
9291.00	92.490 0.330 4488.77 5090.25 5089.58 -82.30 2213732.70 15204		1.05	
9307.00	92.460 0.298 4488.08 5106.23 5105.57 -82.21 2213732,79 1520	56.79	0.28 2	20/17 Sec. Cross 9307 MD (4488 TVD) 5106 VS 0 FNL, 600 FEL Sec, 20
9386.00	92.310 0.140 4484.79 5185.14 5184.50 -81.91 2213733.09 15213	35.72	0.28	
9480.00	91.790 358.850 4481.43 5279.08 5278.43 -82.74 2213732.26 15222	29.66	1.48	
9575.00	89.570 358.560 4480.30 5374.06 5373.40 -84.88 2213730.11 15232	24.63	2.36	
9670.00	90.920 358.310 4479.89 5469.06 5468.36 -87.48 2213727.52 15241	9.59	1.45	
9695.00	91.510 358.630 4479.36 5494.05 5493.34 -88.15 2213726.85 15244	14.58	2.68	
9790.00	90.310 357.810 4477.86 5589.03 5588.28 -91.10 2213723.90 15253		1.53	
9883.00	90.800 358.080 4476.95 5682.00 5681.22 -94.43 2213720.57 15263	32.46	0.60	
9980.00	91.200 357.370 4475.26 5778.96 5778.13 -98.28 2213716.72 15272		0.84	
10074.00	87.440 356.140 4476.38 5872.86 5871.95 -103.60 2213711.40 15282		4.21	
10169.00	88.150 356.660 4480.03 5967.69 5966.69 -109.56 2213705.43 15291		0.93	
10264.00	89.320 356.520 4482.13 6062.58 6061.50 -115.21 2213699.79 15301		1.24	
10359.00	92.460 356.510 4480.65 6157.47 6156.30 -120.98 2213694.01 15310	7.57	3.31	
10454.00	90.890 357.570 4477.88 6252.36 6251.13 -125.89 2213689.11 15320		1.99	
10549.00	90.430 359.270 4476.78 6347.35 6346.08 -128.50 2213686.49 15329		1.85	
10643.00	90.650 359.720 4475.90 6441.34 6440.07 -129.33 2213685.66 15339		0.53	
10737.00	91.450 0.260 4474.17 6535.31 6534.06 -129.35 2213685.64 15348		1.03	
10832.00	89.820 2.220 4473.12 6630.23 6629.02 -127.29 2213687.70 15358		2.68	
10926.00	88.950 1.760 4474.13 6724.09 6722.96 -124.03 2213690.96 15367		1.05	
11021.00	88.060 0.350 4476.61 6819.00 6817.91 -122.28 2213692.71 15376		1.75	
11116.00	88.920 0.900 4479.11 6913.93 6912.87 -121.25 2213693.75 15386		1.07	
11210.00	89.080         0.500         4480.75         7007.87         7006.85         -120.10         2213694.90         15395		0.46	<u>에는 그는 그는 그는 것 같은 것 같은 것은 것이 가지 않는 것이 없는 것은 것을 알 것을 수 있다. 한 1</u>
11305.00	90.310 0.440 4481.26 7102.84 7101.84 -119.32 2213695.68 15405.		1.30	
11400.00	90.550 0.390 4480.55 7197.81 7196.83 -118.63 2213696.36 15414		0.26	
11495.00	89.880         0.380         4480.19         7292.78         7291.83         -117.99         2213697.00         15424.		0.20	
11560.00	90.710 2.360 4479.85 7357.72 7356.81 -116.44 2213698.56 15430		3.30	
11618.00	90.710 2.360 4479.83 7337.72 7330.81 -110.44 2213698.36 13430.			ctual BHL 11618 MD (4479 TVD) 7415 VS X:2213701 Y:154366 2309 FSL, 650 F



BHL 2310' FSL, 660' FEL of Sec. 17

## Actual Wellpath Report

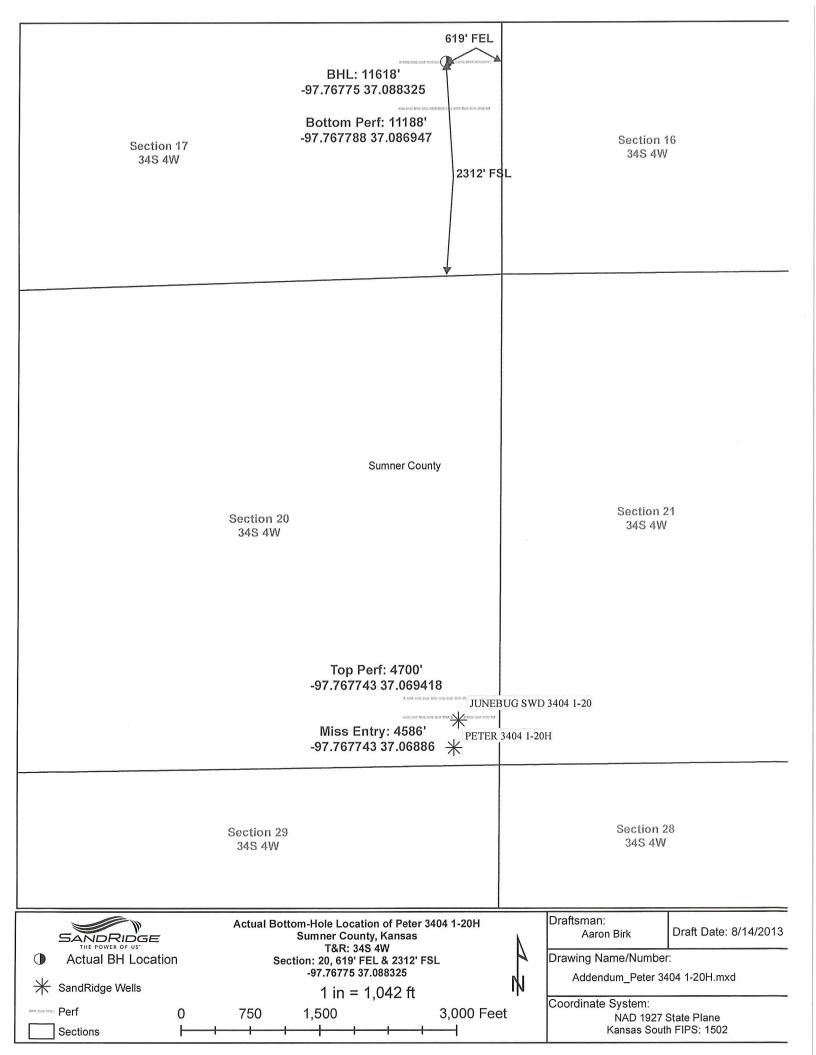


## Sandridge Peter 3404 1-20H 200 FSL, 510 FEL\_Final Surveys.

Page 6 of 6

Operator	Sandridge Energy					Slot	Peter 3404 1-20F	1 200 FSL, 510 FEL		
Area	Kansas					Well	Subject			
Field	Sumner County, KS (Sand	ridge	Energy) N	AD27 / Gr	id	Wellbore	Peter 3404 1-201			
Facility	Peter 3404 1-20H Sec 20 34	IS 4W								
TARGE	TS									
Name		MD	TVD	North	East	Grid East	Grid North	Latitude	Longitude	Shape
		[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			
		4472.01 7415.68 -124				2213690.0	0.00 154367.00 37°05'17.904"N 97°46'02.848			

WELLP	ATH CC	MPOSITION - Ref Wellbore: Peter 3404 1	-20H AWB Ref Wellpath: AWP - Final	
tart MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00	545.00	Generic gyro - northseeking (Standard)	Gyrodata - Gyros	Peter 3404 1-20H AWB
545.00	11618.00	NaviTrak (Standard)	INTEQ MWD	Peter 3404 1-20H AWB



A summer and						NVOICE
					DATE	INVOICE #
					12/21/2012	3650
ATTN: 123 RC	TO RIDGE ENERGY, II PURCHASING M. DBERT S. KERR AV HOMA CITY, OK 7	NC. ANAGER 'ENUE		EDG BILL PO B	EMIT TO E SE (VICES, INC. ING DEPARTMENT OX 74201 AHOMA CITY, OK 7	
COUNTY	STARTING D	WORK ORDER	RIG NUMBER		EASE NAME	Terms
SUMNER, KS	12/22/2012	2969	LATSHAW 38	PET	ER 3404 1-20H	Due on rec
DRILLED 6' OF 7 FURNISHED ANI FURNISHED 90' FURNISHED 1 L FURNISHED WEJ FURNISHED 11 Y FURNISHED GRO DRILL MOUSE H	D SET 6' X 6' TIN OF 20" CONDUCT OAD(S) MUD LDER AND MATEI (ARDS OF GRADE DUT PUMP OLE OF 14" CONDUCT	HORN CELLAR OR PIPE RIALS	HOLE		·	
				Sales Ta	ax (6.8%)	\$318.93
					TOTAL	\$19,318.93

1

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#### JAN 0 8 2013

# Cementing Job Summary

HA	LL	IBI	jp"	ſĊ	)N	S	regu Sandi	ILA' RID	TOF GE	RY DE	PT GY	r	$\mathcal{C}_{\mathcal{C}}$	em	en	tin	g,	Jo	b Si	um	m	ary	,
							load to		cell				th Sa	fety					~ .		0.40	0404	
Sold To #:							297323					e #:					_	les	Order	#: 90	J012	2104	
Customer:				RG	(INC	EBI					isto	omer	Rep:	Me		, Carl							
Well Name	: Pete	er 3404						ell #								API/L			5-191-		8		
Field:							DWEL			unty/P	aris	sh: S	umne	er	2		St	ate:	Kansa	IS			
Legal Desc	riptic	on: Sec	ction 20	) Tc	wnsh																		
Contractor	: Lat	shaw D	rlg.			Ri	g/Plat	form	n Na	me/Nu	ım:	Lats	shaw :	38					_				
Job Purpo	se: C	ement	Surfac	e Ca	asing																		
Well Type:	Deve	elopme	nt Well			Jo	b Typ	e: C	eme	ent Sur	fac	e Cas	sing										
Sales Pers	on: N	IGUYE	EN, VIN	IH		Sr	vc Su	perv	viso	: LEA	CH	I, CLI	FFOF	RD	MB	UDI	Emp	<b>)</b> #:	47573	8			
									Job	Perso	onn	el											
HES Em	p Nar	ne l	Exp Hrs	E	mp#		HES	Emp	Nar	ne	Exp	o Hrs	Emp	p#		HES I				Exp	Hrs	Emp	o #
LEACH, CI	IFFO		8.25		5738		AVAI, M	ASC	DN T		8.	25	4235	21		ELLMA	Ν, Κ	IMB	ERLY	8.2	5	5300	92
Alfred				1											Ka	ye							
										quipm													
HES Unit #	Dis	stance-	1 way	HE	S Uni	t#	Dista	nce-	1 wa	у Н	IES	Unit	# D	istar	ice-	l way	H	ES U	Init #	Dis	stanc	e-1 w	ay
										ob Hou													
Date		Locatio		pera	-		Date			Locatic	on		erating	g		Date			Locati	on		erati	
10.10		Hours		Hou	ſS	ļ			ł	lours	_	F	lours						Hours		f	lours	
1-6-12		8.25				1				Tata		the	um of	aaab	aalı	mn se	Doro	toly					_
TOTAL				10	b			20		1018		the st		each	COIL			lime	c				
Farmadian N				Jo	D					14.740 O K					-	Da		inte	Tim		Tim	ie Zo	no
Formation N Formation D			anl				Botto	mI				Callo	d Out			5 - Jar		113	18:0			CST	ne
Form Type	epin	ון (טועו)	op		BHS	eT.	BOILO						ocatic		_	6 - Jar			01:0			CST	-
Job depth M	ID	L.	550. m				th TVD						Starte			6 - Jar			00:0			CST	
Water Depth			500. m				bove F						Compl		-	6 - Jar			02:0			CST	
Perforation		(MD)F	rom		VVIC		To I	1001					rted L		_	6 - Jar			00:0			CST	
. onoration	boptin	(mb/h	10111						V	Vell Da										1			
Descripti	on	New /	Ma	x	Siz	3	ID	Wei			_	read			Grad	e T	op N	1D	Bottor	n   1	op	Bott	tom
		Used			mn		mm	kg/	-								m		MD	1	vD	τv	′D
			. MP					Ū											m		m	n	1
12.25" Open							2.25										80.		550.				
9.625" Surfa	ce	Unknov	v		9.62	5 8	3.921	36	<b>b</b> .		L	.TC			J-55		•		550.				
Casing	untor	n			20	10	9.124	94											80.				
Preset Cond	uctor	n	v		20.		9.124	94	••								•		00.				
	1			I				Too	Is a	nd Acc	es	sorie	S		1		5			1.0		~	2.3
Туре	Size	Otv	Make	De	oth	T	pe	Siz		Qty		lake	Dept	th	٦	ype	1	S	ize	Q	v	Ma	ke
Guide Shoe	UILO	Cicy	mano	20		acke		1		ary					op P					1	-		
Float Shoe							e Plug				-					m Plug	7						
Float Collar						Retain										lug se							
Insert Float																Contai				1			
Stage Tool														C	entra	alizers							
							· 1	lisc	ella	neous	Ma	teria	ls										
Gelling Agt			Co				Surfac		:			Con				Туре			Qty			onc	%
Treatment Fl	d		Co	nc			Inhibit	tor		Conc Sand Type Size				G	ty								
						i .			F	luid Da	ata												

			T Turu putu						
Sta	ige/Plug #: 1								
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/	Rate m3/min	Total Mix Fluid m3/ tonne
							tonne		

## HALLIBURTON

# Cementing Job Summary

1 Fresh W	later						10.00	bbl	8.33	.0	.0		.0	
2 HLC Sta	indard	EXT	FENDACEM	(TM) S	YSTEM (4	52981)	150.0	sacks	12.4	2.11	11.5	7		11.57
3 %		CAL	CIUM CHLC	RIDE,	PELLET, &	50 LB (1	01509387	)						
0.25 lbn	n	POL	Y-E-FLAKE	(10121	6940)									
11.571 G	ial	FRE	ESH WATER							3				
3 Standar	d	SW	IFTCEM (TM	) SYST	FEM (4529	90)	200.0	sacks	15.6	1.2	5.32			5.32
2 %		CAL	CIUM CHLO	RIDE,	PELLET, S	50 LB (1	01509387	)						
0.125 lbr	n	POL	Y-E-FLAKE	(10121	6940)									
5.319 Ga	al	FRE	SH WATER											
4 Displace	ement						39	bbl	8.33	.0	.0		.0	
Calculated	Values	s Pressures							V	olumes				
Displacement	39		Shut In: Inst	tant		Lost Re	eturns		Cement S	Glurry			Pad	
op Of Cement			5 Min			Cemen	t Returns		Actual D	isplacem	ent 3	9	Treatme	nt
Frac Gradient			15 Min			Spacer	s		Load and	Breakdo	wn		Total Jo	5
						R	ates							
Circulating			Mixin		5		Displac	ement	5		Avg	. Job		5
Cement Left I	n Pipe	Am	ount 45 ft	Reas	on Shoe	Joint								1
Frac Ring #1 @	D	ID	Frac rin	g # 2 (	<u>D</u>		Frac Ring	the subscription of the local division of the local division of the local division of the local division of the	1 martine	D	Frac Ri	ng #	4@	ID
The Inform	nation	Stat	ted Herein	ı Is Co	orrect	Custorr	er Represer	-7						
							¢	/						

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#### JAN 22 2013

HALLIBURTON REGULATORY DEPT SANDRIDGE ENERGY

# **Cementing Job Summary**

					T	he Road	to E	xcel	lence	e Sta	rts w	ith S	Safe	ty							
Sold To #:	3050	21		Sh	ip To	#: 2973	231			Quo						Sales	order	#: 90	0134	390	
Customer:	SAN	DRIDG	E ENE	RGY	INC	EBUSIN	ESS			Cust	tomer	Re	p: M	elland	Carl						
Well Name							Well	#: 1-	-20H						API/UV	VI #:	15-191-	22668	3		
Field:	1100	51 0 10 1		hr (S	API-	CALDWI				/Pari	ish: S	um	ner			State	: Kansa	as			
Legal Desc	ninéi	ant Cor																			
	<u> </u>			5 10	WIISIN	Rig/Pl				Mum	. 28										
Contractor						1 0	ation	11 146	amen	vum	. 30										
Job Purpos					te Cas							-									
Well Type:	Deve	lopme	nt Well			Job Ty							asing								
Sales Pers	on: 1	IGUYE	EN, VIN	IH		Srvc S	uper	viso	r: 0	LSO	N, ER	IC		MB	U ID EI	np #:	45533	9			
									b Per	son	nel			_							
HES Em	p Nar	ne	Exp Hr	s Ei	mp#		S Emp				p Hrs		mp #		HES Er			Expl	-	Emp	
HAGEE, M	ILES		10	42	7231	OLSON	I, ERI	C Eu	igene	1	0	45	5339		N DER I		Т,	10	1 5	5158	77
Killion									,	_				DA	NIEL So	cott					
WELLMAN			10	530	0092																
KIMBERLY	Кауе								·		4										
	1								quip			4	Dia			HEC	Unit #	Dict	ance	-1 14	(2)/
HES Unit #	_	stance-	1 way	2.2	S Unit		tance	-1 Wa			Unit	#	135	ance-1		10857		135		-1 00	ay
10025029		5 mile			142640					1080	4000		135	mne		10057	010	1551	me		-
10951223	13	5 mile		1170	06672	135 r	nile														
								J	ob H	lours	3										
Date	On	Locatio	on O	perat	lina	Date			Loca			erati	ing		Date	0	n Locati	on	Ope	ratir	١ġ
	1	Hours		Hour				I	Hours	3	ŀ	lou	rs				Hours		He	ours	
	1																				
TOTAL	1								Te	otal is	the st	um (	of ead	ch colui	nn sepa	arately	·				
				Jol	b										Job	o Tim	es				
Formation N	ame														Date		Tim	e	Time		ne
Formation D	epth (	MD) T	op			Bot	tom				Calle	d Oi	ut	12	? - Jan -	2013	16:0	00		ST	
Form Type		I_			BHS						On Lo	ocat	ion	12	! - Jan -	2013	22:0	00		ST	
Job depth MI	D	4	792. ft		Job I	Depth TV	D		479	2	Job S	itart	ed	13	- Jan -	2013	06:1			ST	
Water Depth						It Above					Job C	om	plete	-	- Jan -		07:2	22		MT	
Perforation D	epth	(MD) F	rom		1	То					Depar	rted	Loc	13	- Jan -	2013	08:1	5	C	ST	
		1						V	Vell	Data											
Descriptio	n	New/	Ma	x	Size	ID	Wei				read			Grade	Тор	MD	Botton	n To	pl	Bott	
		Used	press		in	in	Ibrr	-								ft	MD	TV	D	TV	D
			, psi														ft	ft	:	ft	
8.75" Open H						8,75									54	15.	4792.		$\rightarrow$		
7" Intermedia	te	Unknow	/		7.	6.276	26	3.		L	.TC			P-110		•	4792.				
Casing		n				-	-				<b>TO</b>			1.55			545.		-		
9.625" Surfac	æ	Unknow	/		9.625	8.921	36	3.		L	TC			J-55			545.				
Casing		n																			
	22 - 24 - 24	·		r=							sorie			-			1	06		Mal	100
	Size	Qty	Make	Dep		Туре	Siz	ze	Qty	IV	ake	De	pth		уре	3	ize	Qty			_
Guide Shoe						ncker				_				Top Plu			7	1		wip	ar
Float Shoe			_			idge Plu	9							Bottom							
Float Collar					Re	etainer				_				SSR pl							
nsert Float															ontaine	r					
Stage Tool												lease of the second		Central	izers						_
									neou	s Ma	terial								0	T	0/
Gelling Agt			Co	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.			ictant				Con			Acid T			Qty		Co		%
<b>Freatment Flo</b>	I	1	Co	nc		Inhib	itor				Con	C		Sand 1	уре		Size	;	Qty		

Stage/Plug #: 1

Fluid Data

## HALLIBURTON

# **Cementing Job Summary**

Fluid #	Stage	Гуре		Fluid I	Name			Qty	Qty uom	Mixing Densit Ibm/ga	v	Yield ft3/sk		k Fluid al/sk	Rate bbl/min		otal Mix id Gal/sk
1	Rig Supp Gel Water							30.00	bbl	8.33		.0		.0	4		
2	50/50 PO	Z	ECO	DNOCEM (TM) SY	STEM (45	299	92)	110.0	sacks	13.6		1.53		7.24	4		7.24
	STANDAR	D ( w/															
	2% extra g	jel)															
	0.4 %		1.05.7	_AD(R)-9, 50 LB (		)											
	2 lbm		-	-SEAL, BULK (10													
	2 %			NTONITE, BULK (	100003682	2)											
	7.24 Gal			SH WATER									<b>.</b>				5.00
3	Premium			CEM (TM) SYST				200.0	sacks	15.6		1.19	5	5.08	4		5.08
	0.4 %			AD(R)-9, 50 LB (		)							_				
	2 lbm			-SEAL, BULK (10	0064233)												
	5.076 Gal		FRE	SH WATER													
4	Displace	nent						180.00	bbl	8.33		.0		.0	6		
Ca	alculated	Values		Pressu	res						Vo	lumes					
Displa	cement	180	)	Shut In: Instant		L	ost Re	turns	no	Cement	Slu	rry		72	Pad		
Top Of	Cement	2235	5'	5 Min		C	ement	Returns		Actual I				180	Treatm		
Frac G	radient			15 Min		S	pacers	6	220	Load an	d B	reakdo	wn		Total J	ob	282
							R	ates									
Circu	lating			Mixing				Displac	ement	1	80		A	vg, Jo	b		
Cem	ent Left In	Pipe	Amo		ason Sho	e J										r	
Frac F	Ring # 1 @		ID	Frac ring # 2	@	ID		Frac Ring		the second se	ID		Frac	Ring	#4@		ID
Th	e Inform	ation	Stat	ted Herein Is (	Correct	K	Custom	er Represe	ntative S	ignature							

#### RECEIVED

FEB 3 2013

#### HALLIBURTON

# REGULATORY DECEMENTING Job Summary

Sold To #						#: 29732				uote #:	-				ales	Order	#: 90018	37588	\$
				RGY	INC	EBUSINE		1.0		istomer	Rep:	Mella				F 404 -	0000		
Well Name	e: Pete	er 3404					ell #						AP			5-191-2			
Field:					-	CALDWEL			nty/Pa	arish: Su	umner			S	tate:	Kansa	S		
				) lov	vnsh	nip 34S Ra													_
Contracto						Rig/Plat	torm	Nan	ne/Nu	m: 38								_	
Job Purpo					Line					1	•								
Well Type						Job Typ						T				15010			
Sales Pers	son: I	NGUYE	:N, VIN	IH		Srvc Su					RYAN		VIBU I	D Emp	p#:	453194	1		
								1000000	Perso					0.5			E 11	F	
HES Er		ne	Exp Hrs 24		1p #					Exp Hrs			OTTO	S Emp			Exp Hrs 24	Em 5055	
JOSEPH T			24	49/	322	FINDLEY	r, ga	KED .		24	52013		0110	, SIEV		syluli	24	0000	152
VAUGHAN		N	24	453	194														
Nicholas		]					-	Fa	uipme	ont									
HES Unit ;		stance-	1 wav	HES	Uni	t # Dista	nce-1			ES Unit #	#   Di	stan	ce-1 wa	av I H	IES I	Jnit #	Distan	ce-1 v	vat
THEO OTHER		Junoo	. may	1120	0111	en Diota	1100-1	way		Loonici		Juin		<u> </u>		51112 //	Diotan		( a)
								Jo	b Hou	Irs						1			
Date	On	Locati	on O	perati	na	Date			ocatio		erating	Τ	Dat	te	On	Locatio	on O	perati	na
		Hours		Hour					ours		lours		-		100000	Hours		Hours	
2/5/13		24		5															
TOTAL									Tota	l is the su	ım of e	ach d	column						
<u> Alternet</u>		ter a transie		Job	)		4					. V	· · ·	Job.	Time		1		
Formation I		(145)												Date	0.1.0	Tim		ne Zo	ne
Formation [	Jepth	(MD)	op		DU	Botto	m	1 1 2	O deal	Callec				-eb - 2 -eb - 2		18:0		CST CST	
orm Type		1	1618. ft		BHS	Depth TVD		-	2 degl 756. ft					-eb - 2 -eb - 2		06:4		CST	
Nater Depti			1010, 10			Ht Above F		+	5. ft		omple	ted		Jan - 2		23:3		CST	
Perforation		(MD) F	rom			То		1	0110		ted Lo			-eb - 2		01:0		CST	
							. v .	W	ell Da							1			
Descript	on	New /	Ma	x	Size	ə ID	Weig			Thread		G	ade	Top N	VID	Bottom	Тор	Bot	tor
		Used	press	sure	in	in	lbm/	/ft						ft		MD	TVD		/D
0. (0.5%) 0			psi	g												ft	ft	f	ť
6.125" Oper 4.5" Product		Unknov			1 5	6.125	111	_		LTC			00	4756		11610.			_
iner	1011	n	<b>v</b> ∣		4.5	4.	11.6	0		LIC			-80	4606	o.	11610.			
7" Intermedi Casing	ate	Unknov n	v		7.	6.276	26.			LTC		P-	110	8 <b>•</b> 1		4756.			
4" Drill Pipe		Unknov	v		4.	3.34	14.		ί	Jnknown						4606.			
-		n	ž 12°.,	1	8		Tool	s and	d Acc	essories		1.1	1	· · · ·		• • • • •	3 3	1	
Туре	Size	Otv	Make	Den	th	Туре	Siz		Qty	Make			Тур	e	S	ize	Qty	Ma	ke
Guide Shoe	0120	avy	manu	200		Packer	014	<u> </u>	acy	Marto	Jopu		o Plug	-	0		~~	inte	
loat Shoe						Bridge Plug							ttom P	lug					
loat Collar						Retainer						SS	R plug	set					
isert Float													g Cont						
tage Tool												Ce	ntralize	ers					
- III.	4. <sup>4</sup>							allane	eous l	Material		1.			с. 1911 ж. 1917 ж.				
elling Agt reatment F	d		Co			Surfac				Con			id Type			Qty		Conc	%
reatment F	u		Co	nc		Inhibit	or			Con	G	Isa	nd Typ	ie		Size		Qty	

Stage/Plug #: 1

## HALLIBURTON

# Cementing Job Summary

Fluid	Stage 7	уре		Fluid	Vame		Qty	Qty	Mixing	Yield	Mix Fluid	Rate	Total	
#								uom	Density Ibm/gal	ft3/sk	Gal/sk	bbl/min	Fluid G	al/sl
1	Rig Supp Gel Water	lied					30.00	bbl	8.5	.0	.0	.0		
2	50/50 PO2 STANDAR 1% extra g	D ( w/	ECONC	DCEM (TM) SY	/STEM (452	992)	750.0	sacks	13.6	1.51	7.15		7.1	5
	0.6 %		HALAD	(R)-9, 50 LB (	100001617)						-			
	2 lbm		KOL-SE	AL, BULK (10	0064233)			· · · · · · · · · · · · · · · · · · ·						
	1 %		BENTO	NITE, BULK (	100003682)									
	0.25 %		CFR-3,	W/O DEFOAM	AER, 50 LB	SK (100	003653)							
	7.148 Gal		FRESH	WATER										
3	Displacer	nent		-			148.00	bbl	8.33	.0	.0	.0		
4	premium top squeez		CMT - F	PREMIUM CEI	VIENT (1000	03687)	500	sacks	15.6	1.2	5.36		5.36	6
	94 lbm		CMT - F	REMIUM - CL	ASS H REG	OR TY	PE V, BU	LK (100	003687)					
	2 %		CALCIL	IM CHLORIDE	, PELLET, S	50 LB (10	01509387	)						
	5.359 Gal		FRESH	WATER										
Ca	alculated \	/alues	61 . I.C.	Pressu	res				V	olumes		1		194 1. 4. 5
Displa	cement	148	Shu	it In: Instant		Lost Re	turns		Cement S	lurry	309	Pad		
op O	Cement	4656	6 5 M	in		Cemen	Returns	16	Actual Dis	splacem	ent 148	Treatm	ent	
Frac G	radient		15 N	Ain		Spacer	S		Load and	Breakdo	wn	Total J	ob	
Notat;		1 a 1			같은 사람은 것	R	ates	· · · ·					-	
Circu	lating			Mixing	4		Displac	ement	4		Avg. Jo	b	4	
	ent Left In	T	Amoun	1	ason Shoe	Joint								
Frac I	Ring # 1 @		ID	Frac ring # 2	@	D	Frac Rin	g # 3 @	IC		Frac Ring	#4@	ID	
Tł	e Inform	ation	Stated	Herein Is (	Correct	Custom	er Represe	entative S						

Hydraulic Fracturing Fluid Product Component Information Disclosure

	Total Base Non Water Volume:
2,862,132	Total Base Water Volume (gal):
4,479	True Vertical Depth:
ON AND A CONTRACTOR OF	Federal/Tribal Well:
NAD27	Datum
37.06793506	Latitude:
-97.76722609	Longitude:
Peter 3404 1-20H	Well Name and Number:
SandRidge Energy	Operator Name:
15-191-22668-01-00	API Number:
Sumner	County:
Kansas	State:
6/20/2013	Job End Date:
6/17/2013	Job Start Date:





# Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in C Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Company 1	Carrier/Base Fluid			1		
			Water	7732-18-5	100.00000	93.92199None	
Sand (Proppant)	Company 2	Proppant					
			Silica Substrate	NA	100.00000	5.01374None	
Hydrochloric Acid (15%)	Company 2	Acidizing					
			Hydrochloric Acid	7647-01-0	15.00000	0.13752None	
			NONYL PHENOL, 4 MOL	104-40-5	10.00000	0.00476None	3
			Methyl Alcohol	67-56-1	80.0000	0.00113None	
			thiourea-formaldehyde copolymer	68527-49-1	15.00000	0.00021None	0
AIC	Archer	Liquid Acid Iron Control					
			Acetic Acid	64-19-7	50.00000	0.00252None	0
			Citric Acid	77-92-9	30.0000	0.00151None	0
Chemflush	Archer	Enviro-Friendly Chemical Flush					
			Hydrotreated Petroleum Distillate	64742-47-8	00000.66	0.00143None	0
			Ethoxylate Surfactants	NA	10.00000	0.00014None	0
Chlorine Dioxide	Sabre Energy Services Oxidizer	sOxidizer					
			Chlorine Dioxide	10069-04-4	0.40000	0.00073	

With control is able Energy Services AddizerHydrochloric AddFe/A-01-0 $22,0000$ $0.00042$ SubtractionsLettery Services AddizerHydrochloric Add $7647-01-0$ $32,0000$ $0.00042$ Subtraction 25Sabre Energy Services DidizerComponent ANA $10000$ $0.00042$ Subtraction 25Sabre Energy Services DidizerComponent ANA $10000$ $0.00047$ Derive BodizerSolution Chiorie7753-19-5 $25,0000$ $0.00017$ Derive Chiorie 26Part Pierce7732-18-5 $0.04820$ $0.00420$ Derive Chiorie 26Mater7732-18-5 $0.04820$ $0.04820$ Derive Chiorie 26Mater7732-18-5 $0.00420$ $0.00420$ Derive Chiorie 26Mater $7732-18-5$ $0.00420$ $0.00420$ Derive Chiorie 26Mater $0.00400$ $0.00420$ $0.00420$ Derive Chiorie 26Derive Chiorie 260000 $0.00400$ $0.004000$ Derive Ch				Water	7732-18-5	00006.66	0.00073	
Image: constraint of the state st	Hydrochloric Acid Solutions	Sabre Energy ServicesAc	cidizer					
Sabre Energy Services/Oxidizer         Component A         NIA         1.0000           Image: Solutiun Chlorinte         Component A         NIA         1.0000           Image: Solutiun Chlorinte         T/58-19-2         25.0000           Image: Solutiun Chlorinte         T/58-19-2         25.0000           Image: Solutiun Chlorinte         T/58-19-2         25.0000           Image: Solutiun Chlorinte         T/73-18-5         Non-MSDS.           Image: Solutiun Chlorinte         N/A         T/73-18-5         Non-MSDS.           Image: Solutiun Chlorinte         T/73-18-5         Non-MSDS.         Non-MSDS.           Image: Solutiun Chlorichologiester         NiA         Non-MSDS.				Hydrochloric Acid	7647-01-0	32.0000	0.00042	
Component A         NIA         1.0000           Sodium Chlorite         7758-19-2         25.0000           Sodium Chlorite         7758-19-2         25.0000           Appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.         Non-MSDS.           Water         7732-18-5         25.0000           Water         7732-18-5         25.0000           Water         7732-18-5         25.0000           Aliphatic Hydrocarbon         64742-47-8         26.000           Anionic Polymer         NIA         27.32-18-5           Anionic Polymer         NIA         27.32-18-5           METHANOL         67.453-0         27.32-18-5           METHANOL         67.453-0         27.32-18-5           Oxyalkylated Alcohol         88002-97-1         27.32-18-5           Polyol Ester         NIA         27.32-18-5           Vater         77.32-18-5         27.4           Polyol Ester         NIA         27.4           Vater         77.32-18-5         27.4           Polyol Ester         NIA         27.4           Polyol Ester         NIA         28205-96-1           Polyol Ester         NIA         28205-96-1           Pologlyo	Sabrechlor 25	Sabre Energy ServicesOx	xidizer					
Sodium Chlorite         7758-19-2         25.0000           d appear on Material Safety Data Sheets (MSDS). Ingredients shown below are         Non-MSDS.           Water         7732-18-5         Person Material Safety Data Sheets (MSDS). Ingredients shown below are           Water         7732-18-5         Person Material Safety Data Sheets (MSDS). Ingredients shown below are           Water         7732-18-5         Person Material Safety Data Sheets (MSDS). Ingredients shown below are           Anionic Polymer         7732-18-5         Person Polymer           Anionic Polymer         N/A         Person Polymer           Mater         7732-18-5         Person Polymer           MeTHANOL         67-56-1         Person Polymer           Water         7732-18-5         Person Polymer           Oxyalkylated Alcohol         68002-97-1         Person Polyol Ester           Polyol Ester         N/A         Person Polyol Ester         Polyol Ester           Polyol Ester         N/A         Person Polyol Ester         Polyol Ester         Polyol Ester           Polyglycol Ester         N/A         Person Polyol Polyol         Person Polyol Polyol         Person Polyol Polyol           Polyglycol Ester         N/A         Person Polyol Polyol         Person Polyol Polyol         Person Polyol Polyol				Component A	N/A	1.00000	0.00017	
d appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS. Water 7732-18-5 Power Strates (MSDS). Ingredients shown below are Non-MSDS. Water 7732-18-5 Power Strates Anionic Polymer NMA Anionic Polymer NMA			「「たい」と思いないの語言語	Sodium Chlorite	7758-19-2	25.00000	0.00017	
Water     7732-18-5       Water     7732-18-5       MATER     7732-18-5       Aliphatic Hydrocarbon     84742-47-8       Aliphatic Hydrocarbon     84742-47-8       Anionic Polymer     N/A       Anionic Polymer     N/A       Mater     7732-18-5       Water     7732-18-5       Water     7732-18-5       Water     7732-18-5       Oxyalkylated Alcohol     83002-97-1       Polyol Ester     N/A       Water     7732-18-5       Sodium Salt of Phosphate Ester     8131-72-6       Polyol Ester     N/A       Water     7732-18-5       Sodium Salt of Phosphate Ester     8131-72-6       Polyglycol Ester     N/A       Polyglycol Ester     N/A       Polyglycol Ester     N/A       Pologlycol Ester     N/A       Pologolium     52205-96-1       Pologolium     Sufficience       Propargyl Alcohol     107-19-7       Propargyl Alcohol     64-02-8       Ertasodium     64-02-8	Ingredients shown a	thove are subject to 29 CFR	1910.1200(i) and a	appear on Material Safety Data	Sheets (MSDS). Ingredien	ts shown below are Non	-MSDS.	
7732-18-5         7732-18-5           7732-18-5         7732-18-5           carbon         64742-47-8           r         N/A           r         7732-18-5           b         7732-18-5           cohol         68002-97-1           cohol         68002-97-1           N/A         N/A           N/A         N/A           Phosphate Ester         6131-72-6           r         N/A		Oth	10.44					
7732-18-5         7732-18-5           carbon         64742-47-8           carbon         64742-47           carbon         64702-8           cobol         68002-97-1           cobol         68002-97-1           cobol         68002-97-1           cobol         68002-97-1           cobol         68002-97-1           cobol         68131-72-6           cobol         28205-96-1           carbon         N/A           carbon         N/A           carbon         N/A           carbon         N/A           carbon         N/A           carbon         N/A           carbon         64-02-8           carbon         64-02-8				Water	7732-18-5		0.04820	
carbon         64742-47-8         carbon         64742-47-8           r         N/A         N/A         N/A           r         N/A         N/A         N/A           r         N/A         N/A         N/A           r         N/A         N/A         N/A           r         7732-18-5         N/A         N/A           b/7-65-1         67-63-0         N/A         N/A           cohol         68002-97-1         N/A         N/A           N/A         N/A         N/A         N/A           Phosphate Ester         68131-72-6         N/A         N/A           r         N/A         N/A         N/A         N/A           r         N/A         N/A         N/A         N/A           of         107-19-7         N/A         N/A         N/A           of         0/A         N/A         N/A         N/A         N/A			「「「「」」	WATER	7732-18-5		0.02854	
r NIA ET NIA T732-18-5 7732-18-5 57-56-1 57-56-1 57-56-1 57-56-1 Cohol 88002-97-1 Cohol 88002-97-1 NIA Phosphate Ester 88131-72-6 Phosphate Ester 88131-72-6 Phosphate Ester 88131-72-6 T732-18-5 Phosphate Ester 88131-72-6 T7732-18-5 Phosphate Ester 88131-72-6 Phosphate Ester 88131-72-8 Phosphate Ester 88131-72-6 Phosphate Ester 88131-72-6 Phosphate Ester 88131-72-6 Phosphate Ester 88131-72-6 Phosphate Ester 88131-72-6 Phosphate Ester 88131-72-8 Phosphate Ester 88131-72-6 Phosphate Ester 88131-72-8 Phosphate Ester 88131-72-6 Phosphate Ester 88131-72-7 Phosphate Ester 88131-72-7 Phosphate Ester 88131-72-7 Phosphate Ester 88131-72-7 Phosphate Ester 88131-72-7 Phosp				Aliphatic Hydrocarbon	64742-47-8		0.02410	
ET     N/A       7732-18-5     7732-18-5       67-56-1     67-56-1       67-56-1     67-63-0       cohol     68002-97-1       cohol     68002-97-1       cohol     68002-97-1       cohol     68002-97-1       Phosphate Ester     68131-72-6       Phosphate Ester     68131-72-6       r     N/A       ate Surfactants     N/A       ol     107-19-7				Anionic Polymer	N/A	のないないです。	0.02410	
7732-18-5     7732-18-5       67-56-1     67-56-1       67-63-0     67-63-0       cohol     68002-97-1       cohol     68002-97-1       cohol     68002-97-1       cohol     68002-97-1       cohol     68002-97-1       cohol     68103-97-1       cohol     68103-97-1       chosphate Ester     68131-72-6       cohol     28205-96-1       cohol     28205-96-1       cohol     N/A       ate Surfactants     N/A       nol     107-19-7				TRADE SECRET	N/A		0.01903	1999년 - 1월 1997년 - 1991년 - 1998년 1999년 1999년 1999년 1999년 1999년 1999년 - 1999년 - 1999년 - 1999년 - 1999년 1999년 - 1999년 -
67-56-1         67-63-0           L         67-63-0         5           cohol         68002-97-1         5           cohol         58002-97-1         5           cohol         58002-97-1         5           N/A         7         7           N/A         7         5           Phosphate Ester         58131-72-6         5           Phosphate Ester         58131-72-6         5           r         28205-96-1         5           r         N/A         5           ate Surfactants         N/A         5           ol         107-19-7         5				Water	7732-18-5		0.01049	
L 67-63-0 67-63-0 67-63-0 67-63-0 67-63-0 68002-97-1 68002-97-1 7732-18-5 7732-18-5 7732-18-5 7732-18-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-172-6 61-				METHANOL	67-56-1	10000000 11 11 11 10 10 10 10 10 10 10 1	0.00476	
cohol         68002-97-1         68002-97-1           N/A         N/A         7732-18-5           Phosphate Ester         68131-72-6         100           Phosphate Ester         68131-72-6         100           r         N/A         100         100           r         N/A         100         107-19-7	シーマロー 一般的 健康 (教育)			ISOPROPANOL	67-63-0		0.00476	
N/A         N/A           7/32-18-5         7/32-18-5           Phosphate Ester 88131-72-6         1           r         28205-96-1         1           r         N/A         1           r         N/A         1           r         N/A         1           ol         107-19-7         1				Oxyalkylated Alcohol	68002-97-1		0.00402	
7732-18-5         7732-18-5           Phosphate Ester 68131-72-6            r         28205-96-1           r         N/A           ate Surfactants         N/A           nol         107-19-7				Polyol Ester	NA		0.00402	
Phosphate Ester         68131-72-6           r         28205-96-1           r         28205-96-1           r         28205-96-1           r         N/A           ate Surfactants         N/A           nol         107-19-7           64-02-8         64-02-8				Water	7732-18-5		0.00176	
28205-96-1         28205-96-1           r         N/A           ate Surfactants         N/A           ate Surfactants         N/A           interval         04-02-8				Sodium Salt of Phosphate E	ster 68131-72-6		0.00175	
N/A N/A N/A N/A N/A 107-19-7 84-02-8				Acrylic Polymer	28205-96-1		0.00175	
N/A N/A N/A N/A 107-19-7 84-02-8			時間になっている。	Polyglycol Ester	N/A		0.00080	
N/A 107-19-7 64-02-8				Alcohol Ethoxylate Surfactar			0.00021	
107-19-7 64-02-8			「「「「「「」」」、「「「」」、「「」」、「」、「」、「」、「」、「」、「」、「	n-olefins	N/A	PARTICIPATION OF THE PARTICIPA	0.00011	
64-02-8				Propargyl Alcohol	107-19-7		0.0008	
				Tetrasodium Ethvlenediaminetetraacetate			0.00008	

\* 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)

## Summary of Changes

Lease Name and Number: Peter 3404 1-20H API/Permit #: 15-191-22668-01-00 Doc ID: 1155178 Correction Number: 1 Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	04/16/2013	08/20/2013
Completion Or Recompletion Date	2/2/2013	6/23/2013
Date of First or Resumed Production or		7/28/2013
SWD or Enhr Perf_Depth_1		Attached
Perf_Material_1	waiting on frac	Attached
Perf_Record_1	11188-11476	Attached
Perf_Shots_1	5	Attached
Producing Method Pumping	No	Yes
Purchaser's Name		Atlas (gas) CVR (oil)
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=11 13555	//kcc/detail/operatorE ditDetail.cfm?docID=11 55178

## Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Well Type	SIOW	OIL

## Summary of Attachments

Lease Name and Number: Peter 3404 1-20H API: 15-191-22668-01-00 Doc ID: 1155178 Correction Number: 1 Attachment Name

Attachments



CONFIDENTIAL WELL COMPLETION FORM

1113555

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

## WELL COMPLETION FORM

WFII	HISTORY	- DESCRIPTION	OF WELL	& I FASE
		- DESCRIFTION		a LLASL

OPERATOR: License #		API No. 15
Name:		Spot Description:
Address 1:		
Address 2:		Feet from North / South Line of Section
City: Si	tate: Zip:+	Feet from East / West Line of Section
		Footages Calculated from Nearest Outside Section Corner:
· · · · · · · · · · · · · · · · · · ·		County:
		Lease Name: Well #:
		Field Name:
5		
		Producing Formation:
Designate Type of Completion:		Elevation: Ground: Kelly Bushing:
New Well	-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW	SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A	ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
OG	GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)		If Alternate II completion, cement circulated from:
Cathodic Other (Core	e, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well In	fo as follows:	
Operator:		Drilling Fluid Management Plan
Well Name:		(Data must be collected from the Reserve Pit)
Original Comp. Date:	Original Total Depth:	Chloride content: ppm Fluid volume: bbls
Deepening Re-perf.	Conv. to ENHR Conv. to SWD	
	Conv. to GSW	Dewatering method used:
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled	Permit #:	Operator Name:
Dual Completion	Permit #:	Lease Name: License #:
SWD	Permit #:	
ENHR	Permit #:	Quarter Sec TwpS. R East West
GSW	Permit #:	County: Permit #:
Spud Date or Date Rea Recompletion Date	ached TD Completion Date or Recompletion Date	

#### 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
Letter of Confidentiality Received
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

#### KOLAR Document ID: 1113555

Operator Nar	ne:			Lease Name:	Well #:
Sec	Twp	S. R	East West	County:	

Page Two

**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 (Attach Additional Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c		] Ne	w Used rmediate, productio	on. etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	Type of Cement # :		d		Type and Percent Additives		
Protect Casing Plug Back TD Plug Off Zone									
<ol> <li>Did you perform a hydra</li> <li>Does the volume of the</li> <li>Was the hydraulic fracture</li> </ol>	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole		-	·	nit ACO-4)	юр	Bollom
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Peter 3404 1-20H
Doc ID	1113555

All Electric Logs Run

Boresight		
Mud Log		
Porosity		
Resistivity		

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Peter 3404 1-20H
Doc ID	1113555

Shots Per Foot	Perforation Record	Material Record	Depth
5	11188-11476	waiting on frac	

Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	Peter 3404 1-20H
Doc ID	1113555

## 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	30	20	75	90	Edge Services Grade A Cement	11	none
Surface	12.25	9.63	36	545	Halliburton Extendac em and Swiftcem Systems	350	3% Calcium Chloride, .25 lbm Poly-E- Flake
Intermedia te	8.75	7	26	4787	Halliburton Econocem and Halcem Systems	310	.4% Halad(R)- 9, 2 lbm Kol-Seal, 2% Bentonite
Production Liner	6.12	4.5	11.6	9999	Halliburton Econocem System/ CMT- Premium Cement	1000	.4% Halad(R)- 9, 2 lbm Kol-Seal, 2% Bentonite/ 94 lbm CMT- Premium Class H, 2% Calcium Chloride

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

February 05, 2013

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

Re: ACO1 API 15-191-22668-01-00 Peter 3404 1-20H SE/4 Sec.20-34S-04W Sumner 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

# INVOICE

DATE	INVOICE #
12/21/2012	3650



BILL TO

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

I

EDGE SE &VICES, INC. BILLING DEPARTMENT PO BOX 24201 OKLAHOMA CITY, OK 73113

COUNTY	STARTING D	WORK ORDER	RIG NUMBER	LE	ASE NAME	Terms
SUMNER, KS	12/22/2012	2969	LATSHAW 38	PETI	ER 3404 1-20H	Due on rec
			Description	COLUMN SAME IN		
DRILLED 6' OF 70 FURNISHED ANI FURNISHED 90' FURNISHED 1 L0 FURNISHED WEI FURNISHED 11 Y FURNISHED GRO DRILL MOUSE H	D SET 6' X 6' TIN OF 20" CONDUCT OAD(S) MUD LDER AND MATEI YARDS OF GRADE OUT PUMP OLE OF 14" CONDUCT	HORN CELLAR OR PIPE RIALS	HOLE			
			]	Salaa Ta		\$210.02
					ax (6.8%)	\$318.93
					TOTAL	\$19,318.93

## RECEIVED

JAN 0 8 2013

HALLIBURTON

## REGULATORY DEPT SANDRIDGE ENERGY Cementing Job Summary

									lence S			h Safe	ty							
Sold To #:							97323			lote						s Ord	ler #	: 9001	22104	
Customer:	SAN	DRIDG	E ENE	RGY	'INC	EBU	ISINE	SS	Cu	iston	ner F	Rep: M	lella	and, Car						
Well Name	: Pete	er 3404						II #: 1-	20H					API/L	JWI #:					
Field:			Cit	y (S	AP):	CAL	DWEL	L Co	unty/P	arish	n: Su	mner		a	Stat	e: Ka	nsas	6		
Legal Desc	riptic	on: Sec	tion 20	) To	wnsh	nip 34	S Rar	nge 4W	1											
Contractor	: Lat	shaw D	rlg.			Ric	/Platf	orm Na	ame/Nu	m: I	Latsh	aw 38								
Job Purpo				e Ca	asina															
Well Type:							b Type	: Cem	ent Sur	face	Casi	na								
Sales Pers									r: LEA				ī	<b>NBU ID</b>	Emp	#: 475	738	}		
ouloo i olo		1001L					o oup		b Perso			1 0110	P							
HES Em	n Nar	no F	xp Hrs	Fr	np #		HES F	mp Na		Expl		Emp#	εT	HES	Emp N	lame	F	Exp Hrs	Emp	n #
LEACH, CI			8.25		5738			ASON		8.25		423521		WELLMA				8.25	5300	
Alfred			0.20	1 11	0,00		w/ (1, 1v)	10011		0.20		120021		Kaye	,		.	0.20		-
						_		E	quipm	ent										
HES Unit #	Dis	tance-1	way	HES	S Uni	t #	Distar	ice-1 w			Jnit #	Dist	tanc	e-1 way	HE	S Unit	#	Distan	ce-1 w	vav
									lob Hoi	ire					1					
Date	On	Locatio		perat	ing	Гг	Date		Locatio		Oner	rating	T	Date		On Lo	atic	n 0	perati	na
Date		Hours		Hour			Jaic		Hours			ours		Dute	ET (GEGGG) (C) (C) (C)		irs		Hours	
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TOTAL		0.20				1			Tota	al is th	he sui	m of ea	ch c	column se	parate	lv				-
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Formation N	lame														ate		Time	e Ti	me Zo	one
	prmation Depth (MD) Top			1	Bottom				alled	Out		05 - Ja			18:00		CST			
Form Type	open	(			BHS						On Location			06 - Jan - 2013			01:00		CST	
Job depth N	ID	5	50. m			b Depth TVD								06 - Jan - 2013			00:00		CST	
Water Depth							ove FI	oor				omplet	ed	06 - Ja		All and the second s		00 CST		
Perforation		(MD)F	rom		1		То					ed Loc	-				00:00 CST			
		(=)			j.			,	Well Da											
Descripti	on	New /	Ma	x	Siz	e	ID	Weight		Thre	ead		G	ade 1	op MI	Bo	ttom	Тор	Bot	ton
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stage 1001							n	liecolle	ineous	Mate	orial	c .	690	ini alizel	3		7			-
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Treatment F	iu -		Co	nc			man	01	1		CON	•	108	ind Type			0120		ary	

St	age/Plug #: 1				· · · · · · · · · · · · · · · · · · ·			e e e e e e e e e e e e e e e e e e e	
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/ tonne	Rate m3/min	Total Mix Fluid m3/ tonne

## HALLIBURTON

# **Cementing Job Summary**

1	Fresh Wa	ter					10.00	bbl	8.33	.0	.0	.0	
2	HLC Stan	dard	EXT	ENDACEM (TM)	SYSTEM (4	52981)	150.0	sacks	12.4	2.11	11.57		11.57
	3 %		CAL	CIUM CHLORIDE	, PELLET,	50 LB (1	01509387	·)					
	0.25 lbm		POL	Y-E-FLAKE (1012	16940)								
	11.571 Ga		FRE	SH WATER						2			
3	Standard		SW	FTCEM (TM) SYS	TEM (4529	90)	200.0	sacks	15.6	1.2	5.32		5.32
	2 %		CAL	CIUM CHLORIDE	, PELLET,	50 LB (1	01509387	)					
	0.125 lbm		POL	Y-E-FLAKE (1012	16940)								
	5.319 Gal		FRE	SH WATER									
4	Displacement						39	bbl	8.33	.0	.0	.0	
(	Calculated V	/alues	41	Pressur	es	$  _{t=1}^{k}  _{t=1}^{k} \in \mathbb{R}_{p}^{k, \beta}$	th Citra		٧	olumes			
Disp	lacement	39		Shut In: Instant		Lost Re	eturns		Cement S	lurry		Pad	
Гор	Of Cement			5 Min		Cemen	t Returns		Actual D	isplaceme	nt 39	Treatr	nent
Frac	Gradient			15 Min		Spacer	s		Load and	Breakdow	n	Total	Job
						R	ates						
Circ	ulating			Mixing	5		Displac	ement	5		Avg. J	ob	5
Ce	ment Left In	Pipe	Am	ount 45 ft Rea	son Shoe	Joint							
Frac	c Ring # 1 @		ID	Frac ring # 2	@	D	Frac Rin	g # 3 @	2 1 1	D Fr	ac Ring	#4@	ID
٦	The Inform	ation	Sta	ted Herein Is C	orrect	Custorr	er Represe	67	gnature				

## RECEIVED

## JAN 2 2 2013

#### HALLIBURTON REGULATORY DEPT SANDRIDGE ENERGY Cementing Job Summary

-

Gelling Agt			Co	nc		Sunac	stant	1		CON	C	AC	iu i ype	1	Ger.	y		ty	+ "
					1	Surfac		1		Con		14.0	id Type	1	Qt	v	C	onc	%
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Stage Tool					1								ntralizers						
nsert Float					Rei	AIIICI		+	-				g Contair					1	
-loat Shoe Float Collar						ainer		+					R plug se						
Guide Shoe						dge Plug				-			tom Plug				e 1		
Type	Size	Qty	make	Debu		cker	312	6	aly	Indic	Depui		Piug		7	-	1	wip	
T	Cinc	04	Make	Depth	1	Туре	Siz		Qty		Depth	T	Туре	1	Size	0	ty	Ma	ke
Jasing			1				Tool	s an	Id Ar	cessories	S		l						
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Casing		n			325	8 021	36.			LTC		1	-55		545				
7" Intermedi	ate	Unknow	V		7.	6.276	26.			LTC		P-	110		4792	2.		ĺ	
8.75" Open						8.75								545.	4792				
			psi			-									ft		ft	f	t
Descripti	on	New / Used	Ma press		ize n	ID in	Weig Ibm/			Thread		Gr	ade To	op MD ft	MD		TVD	TV	
							10/ 1		lell D		г	0	ada T		Botto	m	Тор	Bot	tor
Perforation	Depth	(MD) F	rom			То					ted Loo	;	13 - Jan	- 2013	80 18	:15		001	
Water Depth		r-		M	k Ht	Above F	loor				omplet		13 - Jan			:22		GMT CST	
Job depth N		4	792. ft			epth TVD		1	4792		tarted		13 - Jan			:12		CST	_
Form Type					HST						ocation		12 - Jan			:00		CST	
Formation D	epth (	MD) T	ор			Botto	m			Called			12 - Jan			:00		CST	
Formation N	lame												Da			me		ne Zo	
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Date		Locatio		perating Hours		Date			.ocati Iours		erating lours		Date		n Loca Hours			Hours	
	1		- 1 -						ob Ho				Dete	10	n Loca	tion	0-	erati	ina
10951223	135	i mile		117066	12	135 mi	lie												
10025029		mile		107142	-					10004000	130	in me		1005	1010				
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HAGEE, N Killion	ILES		10	4212	"	JESUN,		Luy	Jene		-00000		DANIEL S		- · ,				- ~ 35
HES En		ne l	Exp Hrs 10	Emp 42723		HES OLSON,	ERIC			Exp Hrs 10	Emp :		VAN DEF			10		5158	
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Sales Pers	on: N	IGUYE	N, VIN	Н		Srvc Su				SON, ERI	C	ļ	MBU ID E	=mp #	: 4553	39			
Well Type:										termediate					4550	20			
Job Purpo								-			<u> </u>								
Contractor						Rig/Plat	torm	Nar	ne/N	ium: 38									
Legal Dese				) Town							-	_							_
Field:						ALDWEL			inty/	Parish: S	umner			Stat	e: Kans	as			
Well Name	: Pete	er 3404					ell #:			<u> </u>			API/U		15-191		00		
Customer:				RGY IN	IC E			1.0		Customer	Rep: N	/ielia		11.8 <i>11 -</i> 4.	45 404	226	20		
Sold To #:						: 297323				Quote #:	-	A . 11	1 0-1	Sale	s Orde	r#: 5	0013	4390	
A 11 - "	0050	24		OL:-	Te "	. 20720	24		10	Junto de				Cale	s Orde	P H. C	0012	<u>1</u> 201	1

Stage/Plug #: 1

## HALLIBURTON

# **Cementing Job Summary**

Fluid #	Stage	Туре		Fluid	Name		Qty	Qty uom	Mixing Density Ibm/gal	Yield ft3/sk	Mix Flu Gal/sl	Concernment Concernment and Concernment	1	otal Mix id Gal/sk
1	Rig Supp Gel Water			2			30.00	bbl	8.33	.0	.0	4		
2	50/50 PO	Z	ECC	NOCEM (TM) S'	YSTEM (452	992)	110.0	sacks	13.6	1.53	7.24	4		7.24
	STANDAR		ļ											
	2% extra g	jel)							L					ini ini
	0.4 %			AD(R)-9, 50 LB (										
	2 lbm			-SEAL, BULK (10										
	2 %			TONITE, BULK (	100003682)									
	7.24 Gal			SH WATER						1.10				F 00
3	Premium			CEM (TM) SYST		)	200.0	sacks	15.6	1.19	5.08	4		5.08
	0.4 %			AD(R)-9, 50 LB (										
	2 lbm			-SEAL, BULK (10	00064233)									
	5.076 Ga		FRE	SH WATER				_						
4	Displace	ment					180.00	bbl	8.33	.0	.0	6		
C	alculated	Values		Pressu	res					olumes			_	
Displa	cement	180		Shut In: Instant		Lost Re	turns		Cement S		72			
Гор О	f Cement	2235	5' 5	5 Min		Cemen	Returns		Actual Di					
Frac G	Gradient		1	5 Min		Spacer		220	Load and	Breakdo	own	Total .	Job	282
						R	ates		r					
Circu	lating			Mixing			Displac	ement	18	0	Avg.	Job		
	ent Left In		Amo			Joint				r			r	
Frac I	Ring # 1 @		ID	Frac ring # 2	2@		Frac Rin				Frac Ring	g#4@		ID
Tł	ne Inform	ation	Stat	ed Herein Is	Correct	Custom	er Represe	entative S	Highature					

#### RECEIVED

#### FEB 8 2013

## HALLIBURTON

# REGULATORY DEPErmenting Job Summary

The Road to Excellence Starts with Safety

					e Road to					ety							
		.**											es Orde	er #:	90018	7588	
SANE	DRIDG	E ENEI	RGY IN	IC E	BUSINES	SS	C	ustome	er Rep: N	Viella	and, Car	l					
Pete	r 3404				W	ell #:	1-20H				API/	UWI #	: 15-19	1-22	668		
		Cit	y (SAP	): C	ALDWEL	LC	county/F	arish:	Sumner			Sta	te: Kan	sas			
riptio	n: Sec	tion 20	Town	ship	34S Rar							0					
-						-		<b>im:</b> 38									-
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. N.			E				TRANSPORT NUMBER OF TRANSPORT				1150	P	1	I.E.			
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ler					FINDLEY	, GAR	EDA	24	52013	1	0110, 8	SIEVEI	A BALOU		24	5055	)32
, RYAI	N	24	45319	94													
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Dis	tance-	i way	HES U	nit #	Dista	nce-1	way I	HES Uni	t# Dis	stand	ce-1 way	HE	S Unit #	-	Distanc	e-1 w	Jay
				3	Date	0		on O	perating Hours		Date						-
	24		5														
							Tot	al is the	sum of e	ach d	column se	eparate	ely				
		di secon	Job								a 10 10 10 10 40	22.000 × 2.40	at any in the law of				
ame											D	ate	T	ime	Tin	ne Zo	ne
epth (	MD) T	ор			Botto	m		Call	ed Out		03 - Fe	b - 201	3 18	8:00		CST	
			В	HST			132 deg	F On I	Location		04 - Fe	b - 201	3 00	00:0		CST	-
D	1	1618. ft	J	ob D	epth TVD				Started		04 - Fe	b - 201	3 06	3:48		CST	
	8		V	/k Ht	Above Fl	loor	5. ft	Job	Complet	ted	04 - Ja	n - 201	3 23	3:36		CST	
Depth	(MD) F	rom			То			Dep	arted Lo	С	04 - Fe	b - 201	3 0'	1:05		CST	
						0	Well D	ata			,						
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		Co	nc							100	id Type						
	SANI Pete riptio Lats Se: C Deve on: N p Nan N, ler N, ler Dis On Ame epth ( D D Depth On Hole on Ate	Peter 3404 ription: Sec Latshaw D se: Cement Developmer on: NGUYE p Name N, ler , RYAN Distance- On Locatio Hours 24 ame epth (MD) T D 1 D 1 D 1 D 1 D 1 D 1 D 1 D 1 D 1 D	SANDRIDGE ENE Peter 3404 Cit ription: Section 20 Latshaw Drlg. Se: Cement Produc Development Well On: NGUYEN, VIN  P Name Exp Hrs N, 24 Distance-1 way Distance-1 way On Location O Hours 24 On Location O Hou	SANDRIDGE ENERGY IN Peter 3404 City (SAP ription: Section 20 Town: Latshaw Drlg. Cement Production Lir Development Well Development Well Distance-1 way Distance-1 way HES U Dist	SANDRIDGE ENERGY INC E Peter 3404 City (SAP): C. ription: Section 20 Township Latshaw Drlg. Participation: Section 20 Township Latshaw Drlg. Cement Production Liner Development Well Development Well Development Well Development Well Development Well Development Vell Development Vell Development Well Development	SANDRIDGE ENERGY INC EBUSINES Peter 3404 W City (SAP): CALDWEL ription: Section 20 Township 34S Rai Latshaw Drlg. Rig/Plat Sec: Cement Production Liner Development Well Job Typ on: NGUYEN, VINH Srvc Su p Name Exp Hrs Emp # HES N, 24 497322 FINDLEY A, RYAN 24 453194 Distance-1 way HES Unit # Dista Distance-1 way HES Unit # Distance-1 way HES Unit # Dista Distance-1 way HES Unit #	SANDRIDGE ENERGY INC EBUSINESS Peter 3404  City (SAP): CALDWELL C ription: Section 20 Township 34S Range 4V Latshaw Drlg. Rig/Platform f se: Cement Production Liner Development Well Job Type: Cer on: NGUYEN, VINH Srvc Supervis J p Name Exp Hrs Emp # HES Emp N N, 24 497322 FINDLEY, GAR der RYAN 24 453194    On Location Operating Hours Job ame Poth (MD) Top Bottom Ausure To D Setter Size Con Unknow Ausure Ausure Con New / Max Size ID New / Size ID New / Size ID Con New / Nax Size ID Con New	SANDRIDGE ENERGY INC EBUSINESS         C           Peter 3404         Well #: 1-20H           City (SAP): CALDWELL         County/F           ription: Section 20 Township 34S Range 4W         Eatshaw Drlg.         Rig/Platform Name/Nt           se: Cement Production Liner         Job Type: Cement Production Liner         Development Well         Job Type: Cement Production Inter           Development Well         Job Type: Cement Production Liner         Job Pers           Date         NGUYEN, VINH         Srvc Supervisor: VAU           Job Pars         FINDLEY, GARED A           Iter         24         497322           N         24         453194           Distance-1 way         HES Unit #         Distance-1 way           Iter         Job Hours         On Location           Hours         Hours         Date         On Location           Hours         Job Depth TVD         4756.1           Dotho         EHST         132 deg           Dotho         Find Librit         Job Pers           Dotho         Iter         Vell Distance-1 way           Iter         Job Depth TVD         4756.1           Dotho         Find Librit         Size           Dotho         Job Depth TVD	SANDRIDGE ENERGY INC EBUSINESS         Custome           City (SAP): CALDWELL         County/Parish:           ription: Section 20 Township 34S Range 4W         Rig/Platform Name/Num: 38           se: Cement Production Liner         Job Type: Cement Production Antipersonal           Development Well         Job Type: Cement Production Name/Num: 38           se: Cement Production Liner         Job Type: Cement Production Name/Num: 38           p Name         Exp Hrs         Emp #         HES Emp Name         Exp Hr           p Name         Exp Hrs         Emp #         HES Emp Name         Exp Hr           ner         24         453194           HES Unit           Distance-1 way         HES Unit #         Distance-1 way         HES Unit         HES Unit           Q1         Coation         Operating         Date         On Location         On           Y         Y         Y         Y         Y         Y         Y           24         5          Y         Y         Y         Y           Distance-1 way         HES Unit #         Distance-1 way         HES Unit #         Y         Y           24         5          Y         Y         Y         Y	SANDRIDGE ENERGY INC EBUSINESS         Customer Rep: N           Peter 3404         Well #: 1-20H           City (SAP): CALDWELL         County/Parish: Summer           ription: Section 20         Township 34S Range 4W           se: Cement Production Liner         Rig/Platform Name/Num: 38           se: Cement Production Liner         Job Type: Cement Production Liner           Development Well         Job Type: Cement Production Liner           p Name         Exp Hrs         Emp #           VIA         497322         FINDLEY, GARED A         24           Ibistance-1 way         HES Unit #         Distance-1 way         HES Unit #         Distance-1 way           Ibistance-1 way         HES Unit #         Date         On Location Operating Hours         Operating           Ibistance-1 way         HES Unit #         Ibistance-1 way         HES Unit #         Distance-1 way           Ibistance-1 way         HES Unit #         Ibistance-1 way         HES Unit #         On Location Hours           Ibistance-1 way         HES Unit # <td< td=""><td>Customer Rep: Mella:           Peter 3404         Well #: 1-20H           City (SAP): CALDWELL         County/Parish: Summer           ription: Section 20 Township 34S Range 4W           : Latshaw Drig.         Rig/Platform Name/Num: 38           se: Cement Production Liner           Development Well         Job Type: Cement Production Liner           Date Production Liner           Job Personnel           Equipment           Se: Cement Production Liner           Job Personnel           P Name         Exp Hrs         Emp #           HES Unit #         Distance-1 way         HES Unit #         Distance-1 way           Istance-1 way         HES Unit #         Distance-1 way         HES Unit #         Distance 1 way           Istance-1 way         HES Unit #         Distance 1 way         HES Unit #         Din</td><td>SANDRIDGE ENERGY INC EBUSINES         Customer Rep: Melland, Car           Peter 3404         Well #: 1-20H         API/I           City (SAP): CALDWELL         County/Parish: Sumner         API/I           ription: Section 20 Township 34S Range 4W         Samage 4W         Samage 4W           : Latshaw Drig.         Rig/Platform Name/Num: 38         Sectorent Production Liner           Development Well         Job Type: Cement Production Liner         MBU ID           Davelopment Well         Job Type: Cement Production Liner         MBU ID           p Name         Exp Hrs         Emp #         HES Emp Name         Exp Hrs         Emp #         HES           P Name         Exp Hrs         Emp #         HES Contert         Distance-1 way         HES Unit #         Distance-1 way         HES Unit #         Distance-1 way         Area           0 n Location         Operating         Date         On Location         Operating         Date         On Location         O4 - Fe           24         5           Date         On Location         O4 - Fe           Path         HES Unit #         Distance-1 way         HES Unit #         Distance-1 way         Area           24         5           Date         On</td><td>SANDRIDGE ENERGY INC EBUSINES         Customer Rep: Melland, Carl           Peter 3404         Well #: 1-20H         API/UWI #           City (SAP): CALDWELL         County/Parish: Summer         Sta           ription: Section 20 Township 34S Range 4W         Rig/Platform Name/Num: 38         sta           se: Cement Production Liner         Dob Type: Cement Production Liner         Job Type: Cement Production Liner           Development Well         Job Type: Cement Production Liner         Job Personnel           p Name         Exp Hrs         Emp #         HES Emp Name         Exp Hrs         Emp #           N,         24         497322         FINDLEY, GARED A         24         520137         OTTO, STEVEI           Ier         24         453194         Equipment         Distance-1 way         HE           Distance-1 way         HES Unit #         Distance-1 way         HE         Distance-1 way         HE           On Location         Operating         Date         Hours         Date         Date         Date           Yea         Job T         132 degF         On Location         04 - Feb - 201         Date         Pate         24         5         Job T           Image         pressure         in         Ibm/ft         Total</td><td>SANDRIDGE ENERGY INC EBUSINESS         Customer Rep: Melland, Carl           Peter 3404         Well #: 1-20H         API/UWI #: 15-19           City (SAP): CALDWELL         County/Parish: Sumner         State: Kan           ription: Section 20         Township 34S         Range 4W         State: Kan           Eatshaw Drig.         Rig/Platform Name/Num: 38         se:         State: Kan           Development Well         Job Type: Cerment Production Liner         Job Personnel         MBU ID Emp #: 453:           Daw         Exp Hrs         Emp #         HES Emp Name         Exp Hrs         Emp #         HES Emp Name           N,         24         453194         Job Personnel         Distance-1 way         HES Unit #         Distance-1 way         HES Unit #           Israe         Job Hours         On Location         Operating         Date         On Location           Pate         Hours         Job Bottom         Called Out         03 - Feb - 2013         0           24         5         State         Il Job Depth TVD         4756. ft         Job Started         04 - Feb - 2013         0           24         5         Il Job Depth TVD         4756. ft         Job Started         04 - Feb - 2013         0           24         5&lt;</td><td>SANDRIDGE ENERGY INC EBUSINESS         Customer Rep: Melland, Carl           Peter 3404         Well #: 1-20H         [API/UWI #: 15-191-22]           City (SAP): CALUWELL         County/Parish: Sumner         State: Kansas           ription: Section 20 Township 34S Range 4W         Imig/Platform Name/Num: 38         State: Kansas           se: Cement Production Liner         Development Well         Job Type: Cement Production Liner         MBU ID Emp #: 453194           Development Well         Job Type: Cement Production Liner         Job Personnel         MBU ID Emp #: 453194           p Name         Exp Hrs         Emp #         HES Emp Name         Exp Hrs         Emp #         HES Unit #         Image: Non State Name         Emp #         HES Unit #         Image: Non Name         Emp #         HES Unit #         Image: Name         Emp #         Image: Name         Emp #         Image: Name         Emp #         Image: Name         Image: Name         Image: Name&lt;</td><td>SANDRIDGE ENERGY INC EBUSINESS         Customer Rep: Melland, Carl           IPeter 3404         Mell #: 1-20H         API/UWI #: 15-191-22668           City (SAP): CALDWELL         County/Parish: Summer         State: Kansas           ription: Section 20 Township 34S Range 4W           Extension of the production Liner           Davelopment Well         Job Type: Cement Production Liner           Davelopment Well         Job Presonnel           Exp Hrs         Emp #         HES Emp Name         Exp Hrs         Emp #         HES Unit #         Distance-1 way         HES Unit #         </td></td<>	Customer Rep: Mella:           Peter 3404         Well #: 1-20H           City (SAP): CALDWELL         County/Parish: Summer           ription: Section 20 Township 34S Range 4W           : Latshaw Drig.         Rig/Platform Name/Num: 38           se: Cement Production Liner           Development Well         Job Type: Cement Production Liner           Date Production Liner           Job Personnel           Equipment           Se: Cement Production Liner           Job Personnel           P Name         Exp Hrs         Emp #           HES Unit #         Distance-1 way         HES Unit #         Distance-1 way           Istance-1 way         HES Unit #         Distance-1 way         HES Unit #         Distance 1 way           Istance-1 way         HES Unit #         Distance 1 way         HES Unit #         Din	SANDRIDGE ENERGY INC EBUSINES         Customer Rep: Melland, Car           Peter 3404         Well #: 1-20H         API/I           City (SAP): CALDWELL         County/Parish: Sumner         API/I           ription: Section 20 Township 34S Range 4W         Samage 4W         Samage 4W           : Latshaw Drig.         Rig/Platform Name/Num: 38         Sectorent Production Liner           Development Well         Job Type: Cement Production Liner         MBU ID           Davelopment Well         Job Type: Cement Production Liner         MBU ID           p Name         Exp Hrs         Emp #         HES Emp Name         Exp Hrs         Emp #         HES           P Name         Exp Hrs         Emp #         HES Contert         Distance-1 way         HES Unit #         Distance-1 way         HES Unit #         Distance-1 way         Area           0 n Location         Operating         Date         On Location         Operating         Date         On Location         O4 - Fe           24         5           Date         On Location         O4 - Fe           Path         HES Unit #         Distance-1 way         HES Unit #         Distance-1 way         Area           24         5           Date         On	SANDRIDGE ENERGY INC EBUSINES         Customer Rep: Melland, Carl           Peter 3404         Well #: 1-20H         API/UWI #           City (SAP): CALDWELL         County/Parish: Summer         Sta           ription: Section 20 Township 34S Range 4W         Rig/Platform Name/Num: 38         sta           se: Cement Production Liner         Dob Type: Cement Production Liner         Job Type: Cement Production Liner           Development Well         Job Type: Cement Production Liner         Job Personnel           p Name         Exp Hrs         Emp #         HES Emp Name         Exp Hrs         Emp #           N,         24         497322         FINDLEY, GARED A         24         520137         OTTO, STEVEI           Ier         24         453194         Equipment         Distance-1 way         HE           Distance-1 way         HES Unit #         Distance-1 way         HE         Distance-1 way         HE           On Location         Operating         Date         Hours         Date         Date         Date           Yea         Job T         132 degF         On Location         04 - Feb - 201         Date         Pate         24         5         Job T           Image         pressure         in         Ibm/ft         Total	SANDRIDGE ENERGY INC EBUSINESS         Customer Rep: Melland, Carl           Peter 3404         Well #: 1-20H         API/UWI #: 15-19           City (SAP): CALDWELL         County/Parish: Sumner         State: Kan           ription: Section 20         Township 34S         Range 4W         State: Kan           Eatshaw Drig.         Rig/Platform Name/Num: 38         se:         State: Kan           Development Well         Job Type: Cerment Production Liner         Job Personnel         MBU ID Emp #: 453:           Daw         Exp Hrs         Emp #         HES Emp Name         Exp Hrs         Emp #         HES Emp Name           N,         24         453194         Job Personnel         Distance-1 way         HES Unit #         Distance-1 way         HES Unit #           Israe         Job Hours         On Location         Operating         Date         On Location           Pate         Hours         Job Bottom         Called Out         03 - Feb - 2013         0           24         5         State         Il Job Depth TVD         4756. ft         Job Started         04 - Feb - 2013         0           24         5         Il Job Depth TVD         4756. ft         Job Started         04 - Feb - 2013         0           24         5<	SANDRIDGE ENERGY INC EBUSINESS         Customer Rep: Melland, Carl           Peter 3404         Well #: 1-20H         [API/UWI #: 15-191-22]           City (SAP): CALUWELL         County/Parish: Sumner         State: Kansas           ription: Section 20 Township 34S Range 4W         Imig/Platform Name/Num: 38         State: Kansas           se: Cement Production Liner         Development Well         Job Type: Cement Production Liner         MBU ID Emp #: 453194           Development Well         Job Type: Cement Production Liner         Job Personnel         MBU ID Emp #: 453194           p Name         Exp Hrs         Emp #         HES Emp Name         Exp Hrs         Emp #         HES Unit #         Image: Non State Name         Emp #         HES Unit #         Image: Non Name         Emp #         HES Unit #         Image: Name         Emp #         Image: Name         Emp #         Image: Name         Emp #         Image: Name         Image: Name         Image: Name<	SANDRIDGE ENERGY INC EBUSINESS         Customer Rep: Melland, Carl           IPeter 3404         Mell #: 1-20H         API/UWI #: 15-191-22668           City (SAP): CALDWELL         County/Parish: Summer         State: Kansas           ription: Section 20 Township 34S Range 4W           Extension of the production Liner           Davelopment Well         Job Type: Cement Production Liner           Davelopment Well         Job Presonnel           Exp Hrs         Emp #         HES Emp Name         Exp Hrs         Emp #         HES Unit #         Distance-1 way         HES Unit #	

Fluid Data
Stage/Plug #: 1

## HALLIBURTON

# **Cementing Job Summary**

Fluid	Stage T	ype		Fluid I	lame		Qty	Qty	Mixing	Yield	Mix Fluic	Rate	Total Mix
#								uom	Density Ibm/gal	ft3/sk	Gal/sk	bbl/min	Fluid Gal/s
1	Rig Supp Gel Water	lied					30.00	bbl	8.5	.0	.0	.0	
2	50/50 PO2 STANDAR	D ( w/	ECONO	CEM (TM) SY	/STEM (452	992)	750.0	sacks	13.6	1.51	7.15		7.15
	1% extra g	el)	-										
	0.6 %			R)-9, 50 LB (									
	2 lbm			AL, BULK (10									
	1 %			NITE, BULK (	,								
	0.25 %		CFR-3, \	N/O DEFOAM	/IER, 50 LB	SK (100	003653)						
	7.148 Gal		FRESH	WATER									
3	Displacen	nent					148.00	bbl	8.33	.0	.0	.0	
4	premium top squeez		CMT - P	REMIUM CE	<b>MENT (1000</b>	03687)	500	sacks	15.6	1.2	5.36		5.36
	94 lbm		CMT - P	REMIUM - CL	ASS H REC	OR TY	PE V, BU	LK (100	003687)				
	2 %		CALCIU	M CHLORIDE	, PELLET,	50 LB (10	01509387	<b>'</b> )					
	5.359 Gal		FRESH	WATER			2						
C	alculated \	/alues		Pressu	res		Geographies		V	olumes			
)ispla	cement	148	Shu	t In: Instant		Lost Re	eturns		Cement S	lurry	309	Pad	
op O	f Cement	4656	3 <b>5 Mi</b>	n 🍸		Cemen	t Returns	16	Actual Dis	splacem	ent 148	Treatm	ient
rac G	Gradient		15 N	lin		Spacer	s		Load and	Breakdo	wn	Total J	ob
						R	ates						
Circu	Ilating			Mixing	4		Displac	cement	4		Avg. J	ob	4
Cem	nent Left In	Pipe	Amount	84 ft Re	ason Shoe	Joint							
Frac	Ring # 1 @		ID	Frac ring # 2	:@ I	D	Frac Rin	g # 3 @	IE		Frac Ring	#4@	ID
Tł	he Inform	ation	Stated	Herein Is (	Correct	Custom	er Repres	entative S					





## Sandridge Peter 3404 1-20H 200 FSL, 510 FEL\_Final Surveys.

Page 2 of 6

perator	Sand	dridge Energy				Slot		Peter 3404 1-20H 20	0 FSL, 510 FEL		
Area	Kan	sas				Well		Subject			
ield	Sum	ner County, K	S (Sandridge	Energy) NAD	27 / Grid	Wellb	ore	Peter 3404 1-20H AV	VB		
acility		r 3404 1-20H S									
VELLPA MD	ATH	DATA (166 st Inclination	tations) = Azimuth	interpolated/	extrapolate Vert Sect		Foot	Grid East	Cuid Nouth	DLS	Commonto
[ft]		[°]	Azimutn [°]	[ft]	[ft]	North [ft]	East [ft]	US ft]	Grid North [US ft]	DLS [º/100ft]	Comments
and a set of the set o	0.00	0.000	64.390	0.00	0.00	0.00	0.00	and a second	146951.00	0.00	
15	5.00	0.000	64.390	15.00	0.00	0.00	0.00		146951.00	0.00	
	2.00	0.600	64.390	232.00	0.47	0.49	1.02		146951.49	0.28	
	5.00	1.230	64.390	544.95	2.56	2.65	5.53		146953.65	0.20	
632	2.00	0.680	64.390	631.94	3.16	3.28	6.84		146954.28	0.63	A State of
723	3.00	0.870	234.330	722.94	2.99	3.11	6.77	and the second	146954.11	1.70	
	5.00	0.330	186.900	814.93	2.33	2.44	6.17		146953.44	0.75	
	7.00	0.560	144.810	906.93	1.70	1.81	6.39		146952.81	0.42	
	9.00	0.500	135.110	998.93	1.04	1.01	6.94		146952.16	0.12	
1091		0.370	76.190	1090.93	0.82	0.94	7.51		146951.94	0.48	CH42277
1183	7.1.9450024124	0.190	188.510	1182.92	0.73	0.86	7.77	and the second	146951.86	0.52	
1276		0.300	187.820	1275.92	0.34	0.00	7.72	and the second se	146951.47	0.12	
1368		0.160	134.800	1367.92	0.01	0.14	7.78		146951.14	0.12	
1461	CONTRACTOR - A DATA	0.150	325.580	1460.92	0.02	0.14	7.80		146951.14	0.33	
1555		0.040	85.710	1554.92	0.12	0.25	7.76		146951.25	0.18	
1647	1	0.150	239.650	1646.92	0.12	0.23	7.69		146951.19	0.18	
1739		0.090	108.190	1738.92	-0.02	0.19	7.65		146951.19	0.20	
1831		0.420	245.040	1830.92	-0.18	-0.05	7.42		146950.95	0.24	
1924		0.420	15.800	1923.92	0.06	0.18	7.42	2213822.42	146950.95	0.33	
2019		0.660	323.070	2018.92	0.88	1.00	6.99		146952.00		
2015	Station Line	0.560	290.570	2018.92	1.49	1.60	6.23	and the second of the second protocol as protocal as former to be	146952.60	0.56	0
2209		0.380	251.040	2208.91	1.49	1.69	5.58	the second se	146952.69	0.37	
2304		0.130	26.820	2303.91	1.62	1.09	5.41				
2304		0.130	210.990	2303.91	1.62	1.71	5.40	2213820.41	146952.71	0.40	
2494		0.120	293.700	2493.91	1.57	1.72			146952.72	0.26	
2494		0.070	45.040	2587.91	1.63	1.00	5.30	CONTRACTOR AND AND ADDRESS OF ADDRES	146952.66	0.14	
2683		0.070	237.550	2587.91			5.29	2213820.29	146952.72	0.12	
2083		0.170			1.60	1.68	5.21	2213820.21	146952.68	0.25	
2874			222.590	2777.91	1.46	1.54	5.03	2213820.03	146952.54	0.07	
		0.100	294.900	2873.91	1.43	1.51	4.89	2213819.89	146952.51	0.13	
2969	and the second second	0.040	107.560	2968.91	1.45	1.53	4.85	Contraction of the Contract of the State	146952.53	0,15	
3064.		0.030	197.680	3063.91	1.42	1.50	4.87	2213819.87	146952.50	0.05	
3158.		0.040	135.380	3157.91	1.37	1.45	4.89	2213819.89	146952.45	0.04	
3254.		0.110	331.240	3253.91	1.43	1.51	4.87	2213819.87	146952.51	0.16	
3350.		0.190	264.740	3349.91	1.50	1.58	4.66		146952.58	0.18	
3445.	Concernance of the	0.090	27.700	3444.91	1.55	1.63	4.54	the second s	146952.63	0.26	
3539.		0.130	41.980	3538.91	1.69	1.77	4.65	2213819.65	146952.77	0.05	
3634.		0.450	327.250	3633.91	2.09	2.17	4.52	2213819.52	146953.17	0.46	
3665.		2.020	345.240	3664.90	2.72	2.80	4.31	2213819.31	146953.80	5.16	
3697.		3.420	350.170	3696.86	4.22	4.28	4.00	2213819.00	146955.28	4.43	
3728.		5.200	351.050	3727.77	6.52	6.58	3.63	2213818.63	146957.58	5.75	
3760.		6.800	349.710	3759.60	9.83	9.88	3.06	2213818.06	146960.88	5.02	
3792.		9.100	347.380	3791.29	14.17	14.21	2.17	2213817.17	146965.21	7.26	
3823.		12.210	346.530	3821.75	19.78	19.79	0.87	2213815.87	146970.80	10.04	
3855.		15.960	342.820	3852.78	27.31	27.29	-1.22	2213813.78	146978.29	12.05	
3886.	00	19.220	340.670	3882.33	36.25	36.18	-4.16	2213810.84	146987.18	10.72	Sall Children





## Sandridge Peter 3404 1-20H 200 FSL, 510 FEL\_Final Surveys.

Page 3 of 6

REFER	ENCE W	TELLP	ATHID	<b>ENTIF</b>	ICATI	ON				
Operator	Sandric	ige Ene	rgy					Slot		Peter 3404 1-20H 200 FSL, 510 FEL
Area	Kansas							Well		Subject
Field			V. KS (S	andridoe	Energy	) NAD	27 / Grid	Well	bore	Peter 3404 1-20H AWB
Facility				0 34S 4V		)				
Facility	reter 3	404 1-20	JII Sec 2	0 345 4 0	Y					
WELLP	PATH DA	TA (16	66 static	ons) =	interpo	olated/	extrapolat	ed statio	1	
	Inclination			Vert Sect		East	Grid East	Grid North		Comments
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]	[°/100ft]	
3918.00		339.900		46.79	46.66					
3949.00		338.860		57.60			2213803.03 2213798.67			
3981.00 4011.00		339.350 342.300		69.10 80.55			2213798.07			
4011.00		346.930		93.60			2213794.72		7.09	
4043.00	the second second second second	349.370	1.10	106.52	The second second		and the second sec	147057.09	and the second	
4107.00		350.200		120.32						
4129.00		348.902		129.87			2213785.57	147080.38		330' Hardline Cross 4129 MD (4105 TVD) 130 VS 330 FSL, 541 FEL Sec. 20
4129.00		348.410		133.92			2213783.40		7.40	550 Hardine Cross 412, MB (4165 14B) 166 45 666 15B, 614 12B 664 26
4170.00		345.700		149.01			2213779.93	147099.45		
4201.00	and the second state of the second state	344.130	successive and even in the second	164.58	and the second sec	The same way work the same	2213775.75	The second se	and the second state	
4233.00		346.040		181.61			2213771.24		7.19	
4265.00		349.410		199.47			2213767.37		6.56	
4334.00		355.450		240.53			2213762.01			
4365.00		357.130		260.31			2213760.74			
4397.00	a second s	357.850	COMPANY OF ADDRESS OF ADDRES	281.92	A A COLOR AND A	the second state of the second	2213759.80	The second second second second	Contraction of the second second	
4428.00		358.350		304.18					-	
4460.00	51.190	359.520	4365.53	328.50	327.60	-56.38	2213758.62	147278.61	10.98	
4505.00	51.960	0.200	4393.50	363.75	362.85	-56.47	2213758.53	147313.87	2.08	
4554.00	51.580	359.730	4423.82	402.24	401.34	-56.49	2213758.51	147352.36	1.08	
4586.00	51.620	359.150	4443.70	427.32	426.42	-56.74	2213758.26	147377.44	1.43	
4649.00	54.630	359.100	4481.50	477.71			2213757.49	147427.83	4.78	
4681.00	58.760	359.390	4499.07	504.45			2213757.14	147454.56	12.93	
4712.00	62.750		4514.21	531.49		design of the second se	2213757.01	147481.61	13.00	
4744.00	64.480	and the second se	4528.43	560.14			the second		6.46	
4766.00	65.400		4537.75	580.05			2213757.89			
4803.00	66.400		4552.86	613.78			2213759.11			
4834.00	69.490		4564.49	642.44			2213760.60		10.49	
4865.00	73.860		4574.24	671.76			2213762.52	147622.00		
4897.00	78.440		4581.90	702.71			2213764.56			
4928.00	82.640		4586.99	733.19			2213766.40			
4960.00	85.750		4590.23	764.93			2213768.29			
5017.00	91.110		4591.79	821.71			2213771.83			
5048.00	92.250		4590.88	852.58			2213774.07			
5143.00	91.630	and the second second	4587.66	947.11	and the second se	Section of the sectio		147897.72	a second and a second se	
5237.00	89.630							147991.55		
5332.00 5426.00	90.000 90.430						2213789.23 2213790.81	148086.52 148180.51	0.91	
5521.00	90.430 89.260						2213790.81 2213793.34	148180.31		
5616.00	90.680						2213795.34 2213796.01	148273.48		
5710.00	and the second se						2213790.01	148370.44	and the second se	
5805.00	90.250						2213797.23	148559.44		
5900.00							2213797.24	148654.44		
5959.00							2213796.52	148713.44		
5995.00							2213796.28			
00000	21.000	555.520	1000.10	1790,72	170.50	10.72	2210190.20	. 107 19.14	0.09	





#### Sandridge Peter 3404 1-20H 200 FSL, 510 FEL\_Final Surveys.

Page 4 of 6

Operator	Sandridge Ene	rov		and the second pro-	Slot		Peter 3404 1-20H 200	FSI 510 FFI		
		rgy						FSL, SIV FEL		
Area	Kansas				Well		Subject			
Field	Sumner County	y, KS (Sandridg	ge Energy) N	AD27 / Grid	Wellbo	ore ]	Peter 3404 1-20H AW	/B		
Facility	Peter 3404 1-20	H Sec 20 34S 4	W							
VELLPA	ATH DATA (16	66 stations)				1960-1970-1990 A				ato be the characteristic fields
MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	DLS	Comments
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]	[°/100ft]	
6027.			4584.29	1830.38	1830.32	-18.9		148781.40	6.79	
6090.			4580.84	1893.28	1893.22	-19.4		148844.30	2.09	
6135.	and the second sec		4578.68	1938.23	1938.17	-19.8	and the second se	148889.25	1.51	
6185.			4575.99	1988.15	1988.10	-20.0		148939.18	0.36	
6233.		for the provide strate of the second state of the	4574.02	2036.11	2036.05	-20.2		148987.14	3.40	
6281.			4572.69	2084.09	2084.03	-20.7		149035.12	1.10	
6326.			4571.95	2129.08	2129.02	-21.5		149080.11	3.18	
6376.			4571.69	2179.08	2179.01	-21.9		149130.11	2.75	
6421.			4570.18	2224.04	2223.97	-22.8		149175.07	8.97	
6471.	and the second sec	and the second se	4565.50	2273.81	2273.72	-24.4	5 2213790.54	149224.81	7.66	
6519.			4559.02	2321.37	2321.27	-25.4	2 2213789.58	149272.37	2.38	
6566.			4552.61	2367.93	2367.82	-26.3	2 2213788.68	149318.92	2.02	
6661.			4542.39	2462.37	2462.25	-27.6	8 2213787.32	149413.36	2.66	
6692.	00 94.29	358.660	4539.89	2493.26	2493.14	-28.1	6 2213786.84	149444.25	3.63	
6724.	00 93.64	40 358.150	4537.67	2525.19	2525.05	-29.0	5 2213785.95	149476.16	2.58	
6756.	00 92.50	358.070	4535.94	2557.13	2556.99	-30.1		149508.10	3.38	a Secondarian'an
6787.	00 92.78	30 357.520	4534.50	2588.09	2587.93	-31.3		149539.04	1.91	
6819.	00 91.54	40 357.800	4533.29	2620.06	2619.88	-32.6		149571.00	3.97	
6850.	00 90.46	359.160	4532.75	2651.05	2650.87	-33.4		149601.98	5.60	
6882.	00 90.68	30 359.430	4532.43	2683.05	2682.86	-33.8		149633.98	1.09	
6913.			4532.08	2714.05	2713.86	-34.0	and the providence of the second s	149664.98	0.40	
6946.		and the second sec	4531.78	2747.05	2746.86	-34.4		149697.97	1.06	
7012.0			4531.55	2813.04	2812.84	-35.70		149763.96	1.49	
7041.0			4531.74	2842.04	2841.83	-36.60		149703.90	3.53	
7072.0			4531.79	2873.04	2872.81	-37.5		149792.93	5.60	
7135.0		the second by the second s	4531.14	2936.03	2935.80	-38.60		149825.93	0.49	
7230.0			4529.40	3031.01	3030.78	-39.68		149880.92		
7325.0			4526.66	3125.95	3125.73	-39.00			1.07	
7419.0			4523.04	3219.83				150076.87	1.45	
7515.0			4520.45	3315.73	3219.65	-37.80		150170.79	0.91	
7610.0	the second se	Contraction of the second s	4520.45	statement in a statement of the second s	3315.59	-35.93		150266.73	2.37	
7705.0				3410.63	3410.55	-33.22		150361.70	0.65	
7799.0			4517.69	3505.46	3505.45	-29.89		150456.60	3.24	
			4515.49	3599.37	3599.39	-28.69		150550.55	4.72	
7893.0			4515.37	3693.36	3693.36	-30.98		150644.52	1.60	
7988.0	and the state of the second second		4514.32	3788.34	3788.29	-34.51	and the second state of th	150739.46	0.40	
8083.0			4512.48	3883.25	3883.14	-39.50		150834.31	1.80	
8177.0			4510.13	3977.10	3976.89	-45.99		150928.06	0.31	
8272.0			4508.77	4071.95	4071.65	-52.58		151022.82	1.35	
8367.0			4508.54	4166.86	4166.46	-58.44		151117.64	0.68	
8462.0	and the second	CO MARK CONTRACTOR OF THE PARTY OF THE PARTY OF	4508.16	4261.82	4261.37	-62.70	2213752.30	151212.55	1.41	
8556.0			4505.42	4355.74	4355.24	-66.40	2213748.60	151306.43	2.85	
8652.0			4500.73	4451.59	4451.03	-70.66	2213744.34	151402.23	0.35	
8746.0			4496.88	4545.45	4544.81	-75.75	2213739.24	151496.01	1.49	
8830.0	90.92	0 358.620	4494.71	4629.38	4628.70	-79.50		151579.89	3.11	
8911.0	90.55	0 359.390	4493.67	4710.37	4709.68	-80.91		151660.88	1.05	A State of the





## Sandridge Peter 3404 1-20H 200 FSL, 510 FEL\_Final Surveys.

Page 5 of 6

REFER	ENCE W	<b>ELLP</b>	ATHI	DIDINITI	FICAT	ION					
Operator	Sandric	lge Ene	rgy						Slot		Peter 3404 1-20H 200 FSL, 510 FEL
Area	Kansas								Well		Subject
Field	Sumner	· Count	v, KS (S	Sandrid	ge Ener	gy) NAI	D27 / Grid		Wellb	ore	Peter 3404 1-20H AWB
Facility				20 34S 4		877					
1 401111	receive		JII See	200101							
WELLP	ATH DA	TA (10	56 stati	ons) :	= inter	polated	/extrapola	ted sta	ation		
	Inclination			Vert Sect		East	Grid East				Comments
[ft] 9005.00	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	IUS 1		/100ft]	
9003.00				4804.37			2213732.79			0.50	
9100.00				4899.37			2213731.73			0.93	
	91.510			4994.34			2213731.94			2.16	
9291.00	92.490			5090.25			2213732.70	and the second		1.05	
9307.00	92.460			5106.23			2213732,79		and a state of the state of		0/17 Sec. Cross 9307 MD (4488 TVD) 5106 VS 0 FNL, 600 FEL Sec. 20
9386.00	92.310			5185.14			2213733.09	1		0.28	
9480.00				5279.08			2213732.26			1.48	
9575.00				5374.06			2213730.11			2.36	
9670.00				5469.06			2213727.52			1.45	
9695.00	A REAL PROPERTY AND A REAL PROPERTY.	and a lot of the second s	the state of the second second	5494.05	the second second second	-88.15	2213726.85	152444	.58	2.68	
9790.00				5589.03		-91.10	2213723.90	152539	.52	1.53	
9883.00				5682.00		-94.43	2213720.57	152632	.46	0.60	
9980.00	91.200	357.370	4475.26	5778.96	5778.13	-98.28	2213716.72	152729	.38	0.84	
10074.00	87.440	356.140	4476.38	5872.86	5871.95	-103.60	2213711.40	152823	.20	4.21	
10169.00	88.150	356.660	4480.03	5967.69	5966.69	-109.56	2213705.43	152917	.95	0.93	
10264.00	89.320	356.520	4482.13	6062.58	6061.50	-115.21	2213699.79	153012	.76	1.24	
10359.00	92.460	356.510	4480.65	6157.47	6156.30	-120.98	2213694.01	153107	.57	3.31	
10454.00							2213689.11			1.99	
10549.00							2213686.49			1.85	
10643.00				6441.34			2213685.66			0.53	
10737.00	91.450						2213685.64	by the branch in the second second	12 1 1 L L L L L L L L L	1.03	
10832.00	89.820						2213687.70			2.68	
10926.00	88.950						2213690.96			1.05	
11021.00	88.060						2213692.71			1.75	
11116.00	88.920						2213693.75			1.07	
11210.00	89.080						2213694.90			0.46	
11305.00	90.310						2213695.68			1.30	
11400.00	90.550						2213696.36			0.26	
11495.00	89.880						2213690.30 2213697.00			0.20	
11560.00	90.710	the second s					2213697.00 2213698.56			3.30	
11618.00	90.710						2213698.36 2213700.95		and the first strength of	and the second	
1010.00	90.710	2.300	14/9.14	1413.02	/414./3	-114.05	2213700.95	134366.	.07	0.00 Ac	ctual BHL 11618 MD (4479 TVD) 7415 VS X:2213701 Y:154366 2309 FSL, 650 F





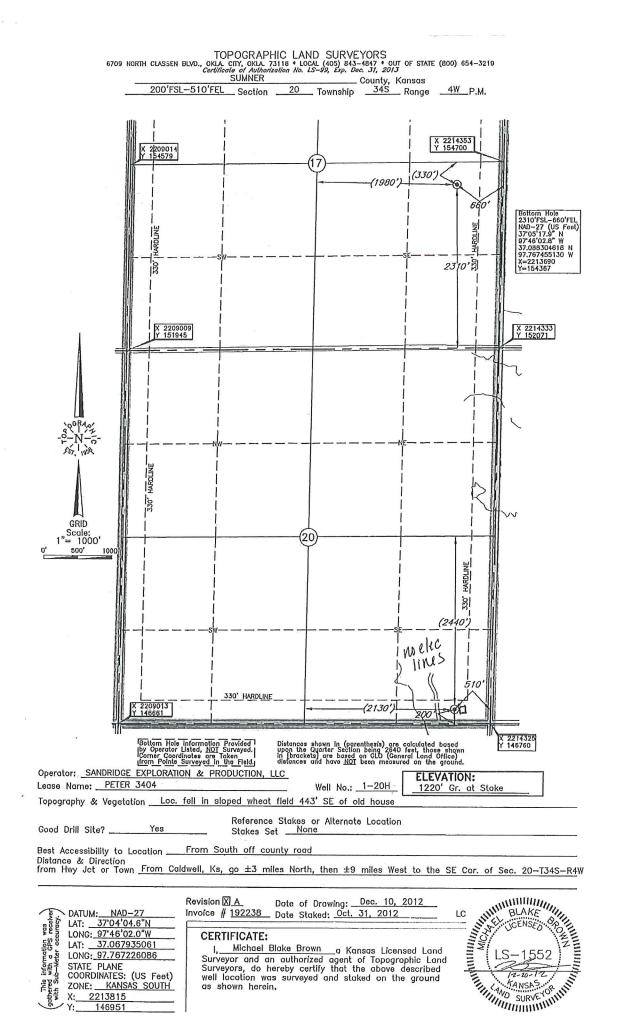
Sandridge Peter 3404 1-20H 200 FSL, 510 FEL\_Final Surveys.

Page 6 of 6

REFERE	ENCE WELLPATH IDENTIFICATION		
Operator	Sandridge Energy	Slot	Peter 3404 1-20H 200 FSL, 510 FEL
Area	Kansas	Well	Subject
Field	Sumner County, KS (Sandridge Energy) NAD27 / Grid	Wellbore	Peter 3404 1-20H AWB
Facility	Peter 3404 1-20H Sec 20 34S 4W		

TARGETS								=	
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
BHL 2310' FSL, 660' FEL of Sec. 17		4472.01	7415.68	-124.99	2213690.00	154367.00	37°05'17.904"N	97°46'02.848"W	point

WELLP	PATH CC	OMPOSITION - Ref Wellbore: Peter 3404 1-	20H AWB Ref Wellpath: AWP - Final	
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
15.00		Generic gyro - northseeking (Standard)	Gyrodata - Gyros	Peter 3404 1-20H AWB
545.00		NaviTrak (Standard)	INTEQ MWD	Peter 3404 1-20H AWB



Remarks	
Tiffany Golay 04/16/013 07:38 am	This well will be shut in indefinitely until a SWD well is available.
Tiffany Golay 04/08/013 09:25 am	Fluid Mgmt Info: 4880 bbls soil farme dby Texoma Tank Service, LLC, 40 acres of the NE/4 of 22-29N-5W, Grant, OK
Tiffany Golay 03/27/013 03:07 pm	Production Liner depth: 11,618' cemented with 1250 sacks
Tiffany Golay 02/05/013 09:49 am	TD= 11,618 MVD= 4479