



Confidentiality Requested:

Yes No

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1155178

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	SandRidge Exploration and Production LLC
Well Name	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

Perforations

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

Perforations

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

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
5	4700-5022	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 Extendacem and Swiftcem Systems	350	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	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



Actual Wellpath Report

Sandridge Peter 3404 1-20H 200 FSL, 510 FEL_Final Surveys.



REFERENCE WELL PATH 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		

WELLPATH DATA (166 stations) = interpolated/extrapolated station										
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	2213815.00	146951.00	0.00	
15.00	0.000	64.390	15.00	0.00	0.00	0.00	2213815.00	146951.00	0.00	
232.00	0.600	64.390	232.00	0.47	0.49	1.02	2213816.02	146951.49	0.28	
545.00	1.230	64.390	544.95	2.56	2.65	5.53	2213820.53	146953.65	0.20	
632.00	0.680	64.390	631.94	3.16	3.28	6.84	2213821.84	146954.28	0.63	
723.00	0.870	234.330	722.94	2.99	3.11	6.77	2213821.77	146954.11	1.70	
815.00	0.330	186.900	814.93	2.33	2.44	6.17	2213821.17	146953.44	0.75	
907.00	0.560	144.810	906.93	1.70	1.81	6.39	2213821.39	146952.81	0.42	
999.00	0.500	135.110	998.93	1.04	1.16	6.94	2213821.94	146952.16	0.12	
1091.00	0.370	76.190	1090.93	0.82	0.94	7.51	2213822.51	146951.94	0.48	
1183.00	0.190	188.510	1182.92	0.73	0.86	7.77	2213822.77	146951.86	0.52	
1276.00	0.300	187.820	1275.92	0.34	0.47	7.72	2213822.72	146951.47	0.12	
1368.00	0.160	134.800	1367.92	0.01	0.14	7.78	2213822.78	146951.14	0.26	
1461.00	0.150	325.580	1460.92	0.02	0.15	7.80	2213822.80	146951.15	0.33	
1555.00	-0.040	85.710	1554.92	-0.12	0.25	7.76	2213822.76	146951.25	0.18	
1647.00	0.150	239.650	1646.92	0.06	0.19	7.69	2213822.69	146951.19	0.20	
1739.00	0.090	108.190	1738.92	-0.02	0.11	7.65	2213822.66	146951.11	0.24	
1831.00	0.420	245.040	1830.92	-0.18	-0.05	7.42	2213822.42	146950.95	0.53	
1924.00	0.480	15.800	1923.92	0.06	0.18	7.21	2213822.22	146951.18	0.88	
2019.00	0.660	323.070	2018.92	0.88	1.00	6.99	2213821.99	146952.00	0.56	
2114.00	0.560	290.570	2113.91	1.49	1.60	6.23	2213821.23	146952.60	0.37	
2209.00	0.280	251.040	2208.91	1.59	1.69	5.58	2213820.58	146952.69	0.41	
2304.00	0.130	26.820	2303.91	1.62	1.71	5.41	2213820.41	146952.71	0.40	
2399.00	0.120	210.990	2398.91	1.63	1.72	5.40	2213820.40	146952.72	0.26	
2494.00	0.070	293.700	2493.91	1.57	1.66	5.30	2213820.30	146952.66	0.14	
2588.00	0.070	45.040	2587.91	1.63	1.72	5.29	2213820.29	146952.72	0.12	
2683.00	0.170	237.550	2682.91	1.60	1.68	5.21	2213820.21	146952.68	0.25	
2778.00	0.110	222.590	2777.91	1.46	1.54	5.03	2213820.03	146952.54	0.07	
2874.00	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	
3445.00	0.090	27.700	3444.91	1.55	1.63	4.54	2213819.54	146952.63	0.26	
3539.00	0.130	41.980	3538.91	1.69	1.77	4.65	2213819.65	146952.77	0.05	
3634.00	0.450	327.250	3633.91	2.09	2.17	4.52	2213819.52	146953.17	0.46	
3665.00	2.020	345.240	3664.90	2.72	2.80	4.31	2213819.31	146953.80	5.16	
3697.00	3.420	350.170	3696.86	4.22	4.28	4.00	2213819.00	146955.28	4.43	
3728.00	5.200	351.050	3727.77	6.52	6.58	3.63	2213818.63	146957.58	5.75	
3760.00	6.800	349.710	3759.60	9.83	9.88	3.06	2213818.06	146960.88	5.02	
3792.00	9.100	347.380	3791.29	14.17	14.21	2.17	2213817.17	146965.21	7.26	
3823.00	12.210	346.530	3821.75	19.78	19.79	0.87	2213815.87	146970.80	10.04	
3855.00	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	



Actual Wellpath Report

Sandridge Peter 3404 1-20H 200 FSL, 510 FEL_Final Surveys.

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REFERENCE WELL PATH ID: DNDNTHN1C/ANTON			
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		

WELLPATH DATA (166 stations) = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
3918.00	21.520	339.900	3912.33	46.79	46.66	-7.92	2213807.07	146997.67	7.24	
3949.00	21.940	338.860	3941.12	57.60	57.41	-11.97	2213803.03	147008.41	1.84	
3981.00	23.020	339.350	3970.69	69.10	68.84	-16.33	2213798.67	147019.84	3.43	
4011.00	24.340	342.300	3998.16	80.55	80.22	-20.28	2213794.72	147031.22	5.91	
4043.00	25.500	346.930	4027.19	93.60	93.21	-23.84	2213791.16	147044.21	7.09	
4074.00	24.760	349.370	4055.25	106.52	106.09	-26.55	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	32.230	344.130	4167.45	164.58	163.94	-39.25	2213775.75	147114.95	7.11	
4233.00	34.280	346.040	4194.21	181.61	180.90	-43.76	2213771.24	147131.91	7.19	
4265.00	35.130	349.410	4220.52	199.47	198.70	-47.63	2213767.37	147149.71	6.56	
4334.00	38.540	355.450	4275.75	240.53	239.67	-52.98	2213762.01	147190.68	7.20	
4365.00	40.920	357.130	4299.59	260.31	259.44	-54.26	2213760.74	147210.45	8.42	
4397.00	44.050	357.850	4323.19	281.92	281.03	-55.20	2213759.80	147232.04	9.90	
4428.00	47.790	358.350	4344.75	304.18	303.28	-55.94	2213759.06	147254.29	12.12	
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	476.81	-57.51	2213757.49	147427.83	4.78	
4681.00	58.760	359.390	4499.07	504.45	503.54	-57.86	2213757.14	147454.56	12.93	
4712.00	62.750	0.050	4514.21	531.49	530.58	-57.99	2213757.01	147481.61	13.00	
4744.00	64.480	1.310	4528.43	560.14	559.25	-57.64	2213757.35	147510.27	6.46	
4766.00	65.400	1.740	4537.75	580.05	579.17	-57.11	2213757.89	147530.19	4.54	
4803.00	66.400	2.420	4552.86	613.78	612.92	-55.89	2213759.11	147563.95	3.18	
4834.00	69.490	3.510	4564.49	642.44	641.61	-54.40	2213760.60	147592.64	10.49	
4865.00	73.860	3.970	4574.24	671.76	670.97	-52.48	2213762.52	147622.00	14.17	
4897.00	78.440	3.560	4581.90	702.71	701.96	-50.44	2213764.56	147652.99	14.37	
4928.00	82.640	3.350	4586.99	733.19	732.48	-48.60	2213766.40	147683.51	13.56	
4960.00	85.750	3.460	4590.23	764.93	764.25	-46.71	2213768.29	147715.29	9.72	
5017.00	91.110	3.650	4591.79	821.71	821.10	-43.17	2213771.83	147772.14	9.41	
5048.00	92.250	4.650	4590.88	852.58	852.01	-40.93	2213774.07	147803.04	4.89	
5143.00	91.630	4.050	4587.66	947.11	946.68	-33.73	2213781.27	147897.72	0.91	
5237.00	89.630	2.520	4586.63	1040.84	1040.51	-28.34	2213786.65	147991.55	2.68	
5332.00	90.000	0.590	4586.94	1135.74	1135.47	-25.77	2213789.23	148086.52	2.07	
5426.00	90.430	1.330	4586.58	1229.69	1229.45	-24.19	2213790.81	148180.51	0.91	
5521.00	89.260	1.720	4586.84	1324.60	1324.42	-21.66	2213793.34	148275.48	1.30	
5616.00	90.680	1.500	4586.89	1419.50	1419.38	-18.99	2213796.01	148370.44	1.51	
5710.00	89.910	359.990	4586.41	1513.45	1513.37	-17.77	2213797.23	148464.43	1.80	
5805.00	90.250	0.030	4586.27	1608.44	1608.37	-17.76	2213797.24	148559.44	0.36	
5900.00	89.970	359.550	4586.09	1703.43	1703.37	-18.10	2213796.90	148654.44	0.58	
5959.00	89.780	359.720	4586.22	1762.42	1762.36	-18.48	2213796.52	148713.44	0.43	
5995.00	91.600	359.520	4585.79	1798.42	1798.36	-18.72	2213796.28	148749.44	5.09	



Actual Wellpath Report

Sandridge Peter 3404 1-20H 200 FSL, 510 FEL_Final Surveys.

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REFERENCE WELL PATH IDENTIFICATION			
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Facility	Peter 3404 1-20H Sec 20 34S 4W		

WELLPATH DATA (166 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
6027.00	93.760	359.750	4584.29	1830.38	1830.32	-18.92	2213796.08	148781.40	6.79	
6090.00	92.520	359.300	4580.84	1893.28	1893.22	-19.44	2213795.56	148844.30	2.09	
6135.00	92.990	359.790	4578.68	1938.23	1938.17	-19.80	2213795.20	148889.25	1.51	
6185.00	93.170	359.760	4575.99	1988.15	1988.10	-20.00	2213795.00	148939.18	0.36	
6233.00	91.540	359.680	4574.02	2036.11	2036.05	-20.23	2213794.77	148987.14	3.40	
6281.00	91.630	359.160	4572.69	2084.09	2084.03	-20.72	2213794.28	149035.12	1.10	
6326.00	90.250	358.780	4571.95	2129.08	2129.02	-21.53	2213793.47	149080.11	3.18	
6376.00	90.340	0.150	4571.69	2179.08	2179.01	-21.99	2213793.01	149130.11	2.75	
6421.00	93.520	357.660	4570.18	2224.04	2223.97	-22.85	2213792.15	149175.07	8.97	
6471.00	97.220	358.650	4565.50	2273.81	2273.72	-24.45	2213790.54	149224.81	7.66	
6519.00	98.300	359.020	4559.02	2321.37	2321.27	-25.42	2213789.58	149272.37	2.38	
6566.00	97.380	358.780	4552.61	2367.93	2367.82	-26.32	2213788.68	149318.92	2.02	
6661.00	94.970	359.560	4542.39	2462.37	2462.25	-27.68	2213787.32	149413.36	2.66	
6692.00	94.290	358.660	4539.89	2493.26	2493.14	-28.16	2213786.84	149444.25	3.63	
6724.00	93.640	358.150	4537.67	2525.19	2525.05	-29.05	2213785.95	149476.16	2.58	
6756.00	92.560	358.070	4535.94	2557.13	2556.99	-30.10	2213784.89	149508.10	3.38	
6787.00	92.780	357.520	4534.50	2588.09	2587.93	-31.30	2213783.70	149539.04	1.91	
6819.00	91.540	357.800	4533.29	2620.06	2619.88	-32.60	2213782.40	149571.00	3.97	
6850.00	90.460	359.160	4532.75	2651.05	2650.87	-33.42	2213781.57	149601.98	5.60	
6882.00	90.680	359.430	4532.43	2683.05	2682.86	-33.82	2213781.18	149633.98	1.09	
6913.00	90.650	359.550	4532.08	2714.05	2713.86	-34.09	2213780.91	149664.98	0.40	
6946.00	90.370	359.340	4531.78	2747.05	2746.86	-34.41	2213780.59	149697.97	1.06	
7012.00	90.030	358.420	4531.55	2813.04	2812.84	-35.70	2213779.30	149763.96	1.49	
7041.00	89.230	357.780	4531.74	2842.04	2841.83	-36.66	2213778.33	149792.95	3.53	
7072.00	90.590	358.860	4531.79	2873.04	2872.81	-37.57	2213777.43	149823.93	5.60	
7135.00	90.590	359.170	4531.14	2936.03	2935.80	-38.66	2213776.34	149886.92	0.49	
7230.00	91.510	359.600	4529.40	3031.01	3030.78	-39.68	2213775.32	149981.91	1.07	
7325.00	91.790	0.950	4526.66	3125.95	3125.73	-39.22	2213775.78	150076.87	1.45	
7419.00	92.630	0.780	4523.04	3219.83	3219.65	-37.80	2213777.20	150170.79	0.91	
7515.00	90.460	1.460	4520.45	3315.73	3315.59	-35.93	2213779.07	150266.73	2.37	
7610.00	89.940	1.800	4520.12	3410.63	3410.55	-33.22	2213781.77	150361.70	0.65	
7705.00	92.990	2.220	4517.69	3505.46	3505.45	-29.89	2213785.11	150456.60	3.24	
7799.00	89.690	359.250	4515.49	3599.37	3599.39	-28.69	2213786.31	150550.55	4.72	
7893.00	90.460	357.960	4515.37	3693.36	3693.36	-30.98	2213784.02	150644.52	1.60	
7988.00	90.800	357.780	4514.32	3788.34	3788.29	-34.51	2213780.49	150739.46	0.40	
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	
8556.00	92.960	357.390	4505.42	4355.74	4355.24	-66.40	2213748.60	151306.43	2.85	
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	



Actual Wellpath Report

Sandridge Peter 3404 1-20H 200 FSL, 510 FEL_Final Surveys.



REFERENCE WELL PATH 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		

WELLPATH DATA (166 stations) = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TYD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
9005.00	90.250	359.030	4493.01	4804.37	4803.66	-82.21	2213732.79	151754.87	0.50	
9100.00	89.660	359.690	4493.09	4899.37	4898.66	-83.27	2213731.73	151849.87	0.93	
9195.00	91.510	0.570	4492.12	4994.34	4993.65	-83.05	2213731.94	151944.86	2.16	
9291.00	92.490	0.330	4488.77	5090.25	5089.58	-82.30	2213732.70	152040.80	1.05	
9307.00	92.460	0.298	4488.08	5106.23	5105.57	-82.21	2213732.79	152056.79	0.28	20/17 Sec. Cross 9307 MD (4488 TYD) 5106 VS 0 FNL, 600 FEL Sec. 20
9386.00	92.310	0.140	4484.79	5185.14	5184.50	-81.91	2213733.09	152135.72	0.28	
9480.00	91.790	358.850	4481.43	5279.08	5278.43	-82.74	2213732.26	152229.66	1.48	
9575.00	89.570	358.560	4480.30	5374.06	5373.40	-84.88	2213730.11	152324.63	2.36	
9670.00	90.920	358.310	4479.89	5469.06	5468.36	-87.48	2213727.52	152419.59	1.45	
9695.00	91.510	358.630	4479.36	5494.05	5493.34	-88.15	2213726.85	152444.58	2.68	
9790.00	90.310	357.810	4477.86	5589.03	5588.28	-91.10	2213723.90	152539.52	1.53	
9883.00	90.800	358.080	4476.95	5682.00	5681.22	-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	90.890	357.570	4477.88	6252.36	6251.13	-125.89	2213689.11	153202.40	1.99	
10549.00	90.430	359.270	4476.78	6347.35	6346.08	-128.50	2213686.49	153297.36	1.85	
10643.00	90.650	359.720	4475.90	6441.34	6440.07	-129.33	2213685.66	153391.35	0.53	
10737.00	91.450	0.260	4474.17	6535.31	6534.06	-129.35	2213685.64	153485.34	1.03	
10832.00	89.820	2.220	4473.12	6630.23	6629.02	-127.29	2213687.70	153580.31	2.68	
10926.00	88.950	1.760	4474.13	6724.09	6722.96	-124.03	2213690.96	153674.25	1.05	
11021.00	88.060	0.350	4476.61	6819.00	6817.91	-122.28	2213692.71	153769.20	1.75	
11116.00	88.920	0.900	4479.11	6913.93	6912.87	-121.25	2213693.75	153864.16	1.07	
11210.00	89.080	0.500	4480.75	7007.87	7006.85	-120.10	2213694.90	153958.15	0.46	
11305.00	90.310	0.440	4481.26	7102.84	7101.84	-119.32	2213695.68	154053.14	1.30	
11400.00	90.550	0.390	4480.55	7197.81	7196.83	-118.63	2213696.36	154148.14	0.26	
11495.00	89.880	0.380	4480.19	7292.78	7291.83	-117.99	2213697.00	154243.14	0.71	
11560.00	90.710	2.360	4479.85	7357.72	7356.81	-116.44	2213698.56	154308.12	3.30	
11618.00	90.710	2.360	4479.14	7415.62	7414.75	-114.05	2213700.95	154366.07	0.00	Actual BHL 11618 MD (4479 TYD) 7415 VS X:2213701 Y:154366 2309 FSL, 650 F



Actual Wellpath Report

Sandridge Peter 3404 1-20H 200 FSL, 510 FEL_Final Surveys.

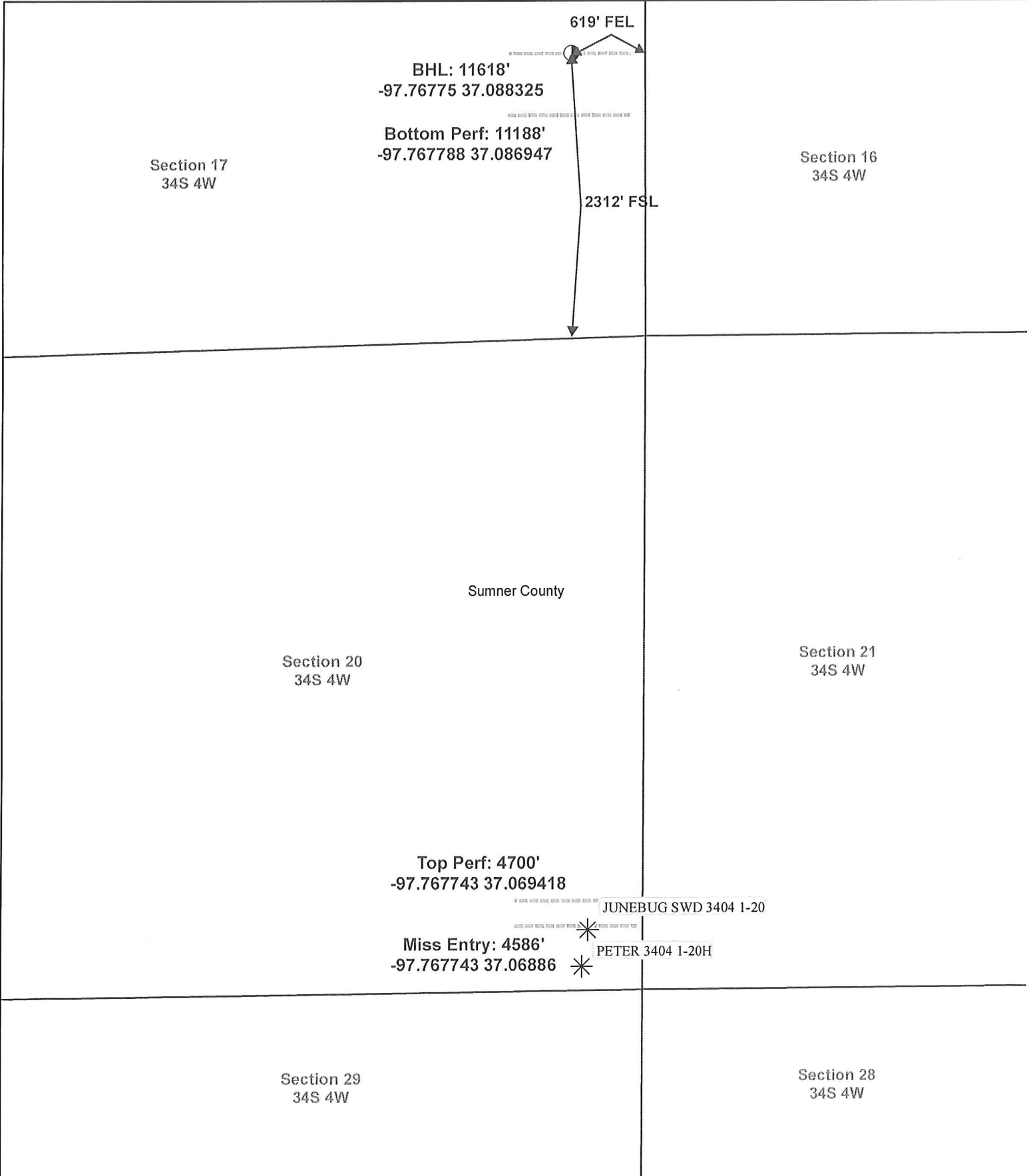
Page 6 of 6



REFERENCE WELLBORE 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

WELLPATH COMPOSITION - 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	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



SANDRIDGE
THE POWER OF US™

Actual Bottom-Hole Location of Peter 3404 1-20H
Sumner County, Kansas
T&R: 34S 4W
Section: 20, 619' FEL & 2312' FSL
-97.76775 37.088325

1 in = 1,042 ft

0 750 1,500 3,000 Feet

Actual BH Location

SandRidge Wells

Perf

Sections

Draftsman:
Aaron Birk

Draft Date: 8/14/2013

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

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



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
EDGE SERVICES, INC. BILLING DEPARTMENT PO BOX 14201 OKLAHOMA CITY, OK 73113

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
SUMNER, KS	12/22/2012	2969	LATSHAW 38	PETER 3404 1-20H	Due on rec...

Description	
DRILLED 90' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 90' OF 20" CONDUCTOR PIPE FURNISHED 1 LOAD(S) MUD FURNISHED WELDER AND MATERIALS FURNISHED 11 YARDS OF GRADE A CEMENT FURNISHED GROUT PUMP DRILL MOUSE HOLE FURNISHED 80' OF 14" CONDUCTOR PIPE FOR MOUSE HOLE TOTAL BID \$ 19,000.00	
Sales Tax (6.8%) \$318.93	
TOTAL \$19,318.93	

RECEIVED

JAN 08 2013

HALLIBURTON

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2973231	Quote #:	Sales Order #: 900122104
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Melland, Carl	
Well Name: Peter 3404	Well #: 1-20H	API/UWI #: 15-191-22668	
Field:	City (SAP): CALDWELL	County/Parish: Sumner	State: Kansas
Legal Description: Section 20 Township 34S Range 4W			
Contractor: Latshaw Drlg.		Rig/Platform Name/Num: Latshaw 38	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srv Supervisor: LEACH, CLIFFORD	MBU ID Emp #: 475738

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LEACH, CLIFFORD Alfred	8.25	475738	TAVAI, MASON T	8.25	423521	WELLMAN, KIMBERLY Kaye	8.25	530092

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1-6-12	8.25							

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
			On Location	06 - Jan - 2013	01:00	CST
Form Type	BHS:T		Job Started	06 - Jan - 2013	00:00	CST
Job depth MD	550. m	Job Depth TVD	Job Completed	06 - Jan - 2013	02:00	CST
Water Depth	Wk Ht Above Floor		Departed Loc	06 - Jan - 2013	00:00	CST
Perforation Depth (MD) From	To					

Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
12.25" Open Hole				12.25				80.	550.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	550.		
Preset Conductor	Unknown		20.	19.124	94.			.	80.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug		1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container		1	
Stage Tool										Centralizers			

Miscellaneous Materials

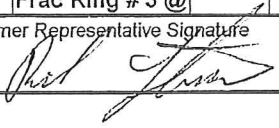
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1										
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 Water		10.00	bbbl	8.33	.0	.0	.0	
2	HLC Standard	EXTENDACEM (TM) SYSTEM (452981)	150.0	sacks	12.4	2.11	11.57		11.57
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.571 Gal	FRESH WATER							
3	Standard	SWIFTCEM (TM) SYSTEM (452990)	200.0	sacks	15.6	1.2	5.32		5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
4	Displacement		39	bbbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	39	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	39	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	5	Displacement	5	Avg. Job			5
Cement Left In Pipe	Amount	45 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature 					

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JAN 22 2013

HALLIBURTON

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2973231	Quote #:	Sales Order #: 900134390
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Melland, Carl	
Well Name: Peter 3404	Well #: 1-20H	API/UWI #: 15-191-22668	
Field:	City (SAP): CALDWELL	County/Parish: Sumner	State: Kansas
Legal Description: Section 20 Township 34S Range 4W			
Contractor: Latshaw Drlg.		Rig/Platform Name/Num: 38	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: OLSON, ERIC	MBU ID Emp #: 455339

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HAGEE, MILES Killion	10	427231	OLSON, ERIC Eugene	10	455339	VAN DER HORST, DANIEL Scott	10	515877
WELLMAN, KIMBERLY Kaye	10	530092						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025029	135 mile	10714264C	135 mile	10804565	135 mile	10857010	135 mile
10951223	135 mile	11706672	135 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	12 - Jan - 2013	16:00	CST
Job depth MD	4792. ft		4792	Job Started	12 - Jan - 2013	22:00	CST
Water Depth			Wk Ht Above Floor	Job Completed	13 - Jan - 2013	06:12	CST
Perforation Depth (MD)	From		To	Departed Loc	13 - Jan - 2013	07:22	GMT
						08:15	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				545.	4792.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	4792.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	545.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	wiper
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

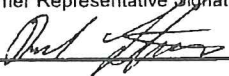
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Water		30.00	bbl	8.33	.0	.0	4	
2	50/50 POZ STANDARD (w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	110.0	sacks	13.6	1.53	7.24	4	7.24
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.24 Gal	FRESH WATER							
3	Premium	HALCEM (TM) SYSTEM (452986)	200.0	sacks	15.6	1.19	5.08	4	5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement		180.00	bbl	8.33	.0	.0	6	
Calculated Values		Pressures			Volumes				
Displacement	180	Shut In: Instant		Lost Returns	no	Cement Slurry	72	Pad	
Top Of Cement	2235'	5 Min		Cement Returns	no	Actual Displacement	180	Treatment	
Frac Gradient		15 Min		Spacers	220	Load and Breakdown		Total Job	282
Rates									
Circulating		Mixing		Displacement	180	Avg. Job			
Cement Left In Pipe	Amount	91 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature 					

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FEB 3 2013

HALLIBURTON

Cementing Job Summary

REGULATORY DEPT
SANDRIDGE ENERGY

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2973231	Quote #:	Sales Order #: 900187588
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Melland, Carl	
Well Name: Peter 3404	Well #: 1-20H	API/UWI #: 15-191-22668	
Field:	City (SAP): CALDWELL	County/Parish: Sumner	State: Kansas
Legal Description: Section 20 Township 34S Range 4W			
Contractor: Latshaw Drlg.		Rig/Platform Name/Num: 38	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srvc Supervisor: VAUGHAN, RYAN	MBU ID Emp #: 453194

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AIRINGTON, JOSEPH Tyler	24	497322	FINDLEY, GARED A	24	520137	OTTO, STEVEN Byron	24	505532
VAUGHAN, RYAN Nicholas	24	453194						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2/5/13	24	5						
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone	
Form Type			BHST	132 degF	On Location	04 - Feb - 2013	00:00	CST
Job depth MD	11618. ft		Job Depth TVD	4756. ft	Job Started	04 - Feb - 2013	06:48	CST
Water Depth			Wk Ht Above Floor	5. ft	Job Completed	04 - Jan - 2013	23:36	CST
Perforation Depth (MD)	From		To		Departed Loc	04 - Feb - 2013	01:05	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6.125" Open Hole				6.125				4756.	11610.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	N-80	4606.	11610.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	4756.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4606.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

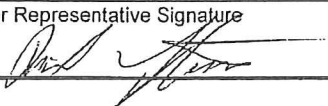
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Water		30.00	bbl	8.5	.0	.0	.0	
2	50/50 POZ STANDARD (w/ 1% extra gel)	ECONOCEM (TM) SYSTEM (452992)	750.0	sacks	13.6	1.51	7.15		7.15
	0.6 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	1 %	BENTONITE, BULK (100003682)							
	0.25 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	7.148 Gal	FRESH WATER							
3	Displacement		148.00	bbl	8.33	.0	.0	.0	
4	premium liner top squeeze	CMT - PREMIUM CEMENT (100003687)	500	sacks	15.6	1.2	5.36		5.36
	94 lbm	CMT - PREMIUM - CLASS H REG OR TYPE V, BULK (100003687)							
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	5.359 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement	148	Shut In: Instant		Lost Returns		Cement Slurry	309	Pad	
Top Of Cement	4656	5 Min		Cement Returns	16	Actual Displacement	148	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	4	Displacement	4	Avg. Job			4
Cement Left In Pipe	Amount	84 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature 					

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	6/17/2013
Job End Date:	6/20/2013
State:	Kansas
County:	Sumner
API Number:	15-191-22668-01-00
Operator Name:	SandRidge Energy
Well Name and Number:	Peter 3404 1-20H
Longitude:	-97.76722609
Latitude:	37.06793506
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	4,479
Total Base Water Volume (gal):	2,862,132
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Company 1	Carrier/Base Fluid	Water	7732-18-5	100.00000	93.92199	None
Sand (Proppant)	Company 2	Proppant	Silica Substrate	NA	100.00000	5.01374	None
Hydrochloric Acid (15%)	Company 2	Acidizing	Hydrochloric Acid	7647-01-0	15.00000	0.13752	None
			NONYL PHENOL, 4 MOL	104-40-5	10.00000	0.00476	None
			Methyl Alcohol	67-56-1	80.00000	0.00113	None
			thiourea-formaldehyde copolymer	38527-49-1	15.00000	0.00021	None
AIC	Archer	Liquid Acid Iron Control	Acetic Acid	64-19-7	50.00000	0.00252	None
			Citric Acid	77-92-9	30.00000	0.00151	None
Chemflush	Archer	Enviro-Friendly Chemical Flush	Hydrotreated Petroleum Distillate	64742-47-8	99.00000	0.00143	None
			Alcohol Ethoxylate Surfactants	NA	10.00000	0.00014	None
Chlorine Dioxide	Sabre Energy Services	Oxidizer	Chlorine Dioxide	10069-04-4	0.40000	0.00073	

Hydrochloric Acid Solutions	Sabre Energy Services Acidizer	Water	7732-18-5	99.90000	0.00073
Sabrechlor 25	Sabre Energy Services Oxidizer	Hydrochloric Acid	7647-01-0	32.00000	0.00042
		Component A	N/A	1.00000	0.00017
		Sodium Chlorite	7758-19-2	25.00000	0.00017
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.					
	Other Chemicals				
		Water	7732-18-5		0.04820
		WATER	7732-18-5		0.02854
		Aliphatic Hydrocarbon	64742-47-8		0.02410
		Anionic Polymer	N/A		0.02410
		TRADE SECRET	N/A		0.01903
		Water	7732-18-5		0.01049
		METHANOL	67-56-1		0.00476
		ISOPROPANOL	67-63-0		0.00476
		Oxyalkylated Alcohol	88002-97-1		0.00402
		Polyol Ester	N/A		0.00402
		Water	7732-18-5		0.00176
		Sodium Salt of Phosphate Ester	68131-72-6		0.00175
		Acrylic Polymer	28205-96-1		0.00175
		Polyglycol Ester	N/A		0.00080
		Alcohol Ethoxylate Surfactants	N/A		0.00021
		n-olefins	N/A		0.00011
		Propargyl Alcohol	107-19-7		0.00008
		Tetrasodium Ethylenediaminetetraacetate	64-02-8		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 SWD or Enhr Perf_Depth_1		7/28/2013 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/operatorEditDetail.cfm?docID=113555	../..kcc/detail/operatorEditDetail.cfm?docID=1155178

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

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	---	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

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

Perforations

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 Extendacem and Swiftcem Systems	350	3% Calcium Chloride, .25 lbm Poly-E-Flake
Intermediate	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
EDGE SERVICES, INC. BILLING DEPARTMENT PO BOX 14201 OKLAHOMA CITY, OK 73113

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
SUMNER, KS	12/22/2012	2969	LATSHAW 38	PETER 3404 1-20H	Due on rec...
Description					
DRILLED 90' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 90' OF 20" CONDUCTOR PIPE FURNISHED 1 LOAD(S) MUD FURNISHED WELDER AND MATERIALS FURNISHED 11 YARDS OF GRADE A CEMENT FURNISHED GROUT PUMP DRILL MOUSE HOLE FURNISHED 80' OF 14" CONDUCTOR PIPE FOR MOUSE HOLE TOTAL BID \$ 19,000.00					
Sales Tax (6.8%)					\$318.93
TOTAL					\$19,318.93

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JAN 08 2013

HALLIBURTON

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2973231	Quote #:	Sales Order #: 900122104
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Melland, Carl	
Well Name: Peter 3404	Well #: 1-20H	API/UWI #: 15-191-22668	
Field:	City (SAP): CALDWELL	County/Parish: Sumner	State: Kansas
Legal Description: Section 20 Township 34S Range 4W			
Contractor: Latshaw Drlg.		Rig/Platform Name/Num: Latshaw 38	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: LEACH, CLIFFORD	MBU ID Emp #: 475738

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LEACH, CLIFFORD Alfred	8.25	475738	TAVAI, MASON T	8.25	423521	WELLMAN, KIMBERLY Kaye	8.25	530092

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1-6-12	8.25							

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Formation Depth (MD) Top	Bottom	Called Out	Date	Time	Time Zone
			On Location	06 - Jan - 2013	01:00	CST
Form Type	BHST		Job Started	06 - Jan - 2013	00:00	CST
Job depth MD	550. m	Job Depth TVD	Job Completed	06 - Jan - 2013	02:00	CST
Water Depth	Wk Ht Above Floor		Departed Loc	06 - Jan - 2013	00:00	CST
Perforation Depth (MD) From	To					

Well Data

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
12.25" Open Hole				12.25				80.	550.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	550.		
Preset Conductor	Unknown		20.	19.124	94.			.	80.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug		1	
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container		1	
Stage Tool										Centralizers			

Miscellaneous Materials

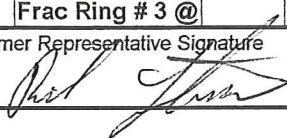
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1										
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 Water		10.00	bbl	8.33	.0	.0	.0	
2	HLC Standard	EXTENDACEM (TM) SYSTEM (452981)	150.0	sacks	12.4	2.11	11.57		11.57
	3 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.25 lbm	POLY-E-FLAKE (101216940)							
	11.571 Gal	FRESH WATER							
3	Standard	SWIFTCEM (TM) SYSTEM (452990)	200.0	sacks	15.6	1.2	5.32		5.32
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.319 Gal	FRESH WATER							
4	Displacement		39	bbl	8.33	.0	.0	.0	
Calculated Values		Pressures			Volumes				
Displacement	39	Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	39	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	5	Displacement	5	Avg. Job			5
Cement Left In Pipe	Amount	45 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID	ID	ID
The Information Stated Herein Is Correct				Customer Representative Signature 					

RECEIVED

JAN 22 2013

HALLIBURTON

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2973231	Quote #:	Sales Order #: 900134390
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Melland, Carl	
Well Name: Peter 3404	Well #: 1-20H	API/UWI #: 15-191-22668	
Field:	City (SAP): CALDWELL	County/Parish: Sumner	State: Kansas
Legal Description: Section 20 Township 34S Range 4W			
Contractor: Latshaw Drlg.		Rig/Platform Name/Num: 38	
Job Purpose: Cement Intermediate Casing			
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: NGUYEN, VINH		Srvc Supervisor: OLSON, ERIC	MBU ID Emp #: 455339

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
HAGEE, MILES Killion	10	427231	OLSON, ERIC Eugene	10	455339	VAN DER HORST, DANIEL Scott	10	515877
WELLMAN, KIMBERLY Kaye	10	530092						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025029	135 mile	10714264C	135 mile	10804565	135 mile	10857010	135 mile
10951223	135 mile	11706672	135 mile				

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
				On Location	12 - Jan - 2013	16:00	CST
Form Type			BHST	On Location	12 - Jan - 2013	22:00	CST
Job depth MD	4792. ft		Job Depth TVD	4792	Job Started	13 - Jan - 2013	06:12
Water Depth			Wk Ht Above Floor		Job Completed	13 - Jan - 2013	07:22
Perforation Depth (MD)	From		To		Departed Loc	13 - Jan - 2013	08:15

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
8.75" Open Hole				8.75				545.	4792.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	4792.		
9.625" Surface Casing	Unknown		9.625	8.921	36.	LTC	J-55	.	545.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	7	1	wiper
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

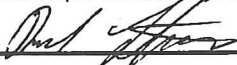
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

HALLIBURTON

Cementing Job Summary

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Water		30.00	bbl	8.33	.0	.0	4	
2	50/50 POZ STANDARD (w/ 2% extra gel)	ECONOCEM (TM) SYSTEM (452992)	110.0	sacks	13.6	1.53	7.24	4	7.24
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	2 %	BENTONITE, BULK (100003682)							
	7.24 Gal	FRESH WATER							
3	Premium	HALCEM (TM) SYSTEM (452986)	200.0	sacks	15.6	1.19	5.08	4	5.08
	0.4 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	5.076 Gal	FRESH WATER							
4	Displacement		180.00	bbl	8.33	.0	.0	6	
Calculated Values		Pressures			Volumes				
Displacement	180	Shut In: Instant		Lost Returns	no	Cement Slurry	72	Pad	
Top Of Cement	2235'	5 Min		Cement Returns	no	Actual Displacement	180	Treatment	
Frac Gradient		15 Min		Spacers	220	Load and Breakdown		Total Job	282
Rates									
Circulating		Mixing		Displacement	180	Avg. Job			
Cement Left In Pipe	Amount	91 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature 					

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FEB 8 2013

HALLIBURTON

REGULATORY DEPT
SANDRIDGE ENERGY

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 305021	Ship To #: 2973231	Quote #:	Sales Order #: 900187588
Customer: SANDRIDGE ENERGY INC EBUSINESS		Customer Rep: Melland, Carl	
Well Name: Peter 3404	Well #: 1-20H	API/UWI #: 15-191-22668	
Field:	City (SAP): CALDWELL	County/Parish: Sumner	State: Kansas
Legal Description: Section 20 Township 34S Range 4W			
Contractor: Latshaw Drlg.		Rig/Platform Name/Num: 38	
Job Purpose: Cement Production Liner			
Well Type: Development Well		Job Type: Cement Production Liner	
Sales Person: NGUYEN, VINH		Srvc Supervisor: VAUGHAN, RYAN	MBU ID Emp #: 453194

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AIRINGTON, JOSEPH Tyler	24	497322	FINDLEY, GARED A	24	520137	OTTO, STEVEN Byron	24	505532
VAUGHAN, RYAN Nicholas	24	453194						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
2/5/13	24	5						

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	03 - Feb - 2013	18:00	CST
Form Type	BHST		132 degF	04 - Feb - 2013	00:00	CST
Job depth MD	11618. ft	Job Depth TVD	4756. ft	04 - Feb - 2013	06:48	CST
Water Depth		Wk Ht Above Floor	5. ft	04 - Jan - 2013	23:36	CST
Perforation Depth (MD)	From	To	Departed Loc	04 - Feb - 2013	01:05	CST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
6.125" Open Hole				6.125				4756.	11610.		
4.5" Production Liner	Unknown		4.5	4.	11.6	LTC	N-80	4606.	11610.		
7" Intermediate Casing	Unknown		7.	6.276	26.	LTC	P-110	.	4756.		
4" Drill Pipe	Unknown		4.	3.34	14.	Unknown		.	4606.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Rig Supplied Gel Water		30.00	bbbl	8.5	.0	.0	.0	
2	50/50 POZ STANDARD (w/ 1% extra gel)	ECONOCEM (TM) SYSTEM (452992)	750.0	sacks	13.6	1.51	7.15		7.15
	0.6 %	HALAD(R)-9, 50 LB (100001617)							
	2 lbm	KOL-SEAL, BULK (100064233)							
	1 %	BENTONITE, BULK (100003682)							
	0.25 %	CFR-3, W/O DEFOAMER, 50 LB SK (100003653)							
	7.148 Gal	FRESH WATER							
3	Displacement		148.00	bbbl	8.33	.0	.0	.0	
4	premium liner top squeeze	CMT - PREMIUM CEMENT (100003687)	500	sacks	15.6	1.2	5.36		5.36
	94 lbm	CMT - PREMIUM - CLASS H REG OR TYPE V, BULK (100003687)							
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
	5.359 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement	148	Shut In: Instant		Lost Returns		Cement Slurry	309	Pad	
Top Of Cement	4656	5 Min		Cement Returns	16	Actual Displacement	148	Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing	4	Displacement	4	Avg. Job			4
Cement Left In Pipe	Amount	84 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
The Information Stated Herein Is Correct				Customer Representative Signature 					



Actual Wellpath Report



Sandridge Peter 3404 1-20H 200 FSL, 510 FEL_Final Surveys.

REFERENCE 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		

WELLPATH DATA (166 stations) = interpolated/extrapolated station										
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	2213815.00	146951.00	0.00	
15.00	0.000	64.390	15.00	0.00	0.00	0.00	2213815.00	146951.00	0.00	
232.00	0.600	64.390	232.00	0.47	0.49	1.02	2213816.02	146951.49	0.28	
545.00	1.230	64.390	544.95	2.56	2.65	5.53	2213820.53	146953.65	0.20	
632.00	0.680	64.390	631.94	3.16	3.28	6.84	2213821.84	146954.28	0.63	
723.00	0.870	234.330	722.94	2.99	3.11	6.77	2213821.77	146954.11	1.70	
815.00	0.330	186.900	814.93	2.33	2.44	6.17	2213821.17	146953.44	0.75	
907.00	0.560	144.810	906.93	1.70	1.81	6.39	2213821.39	146952.81	0.42	
999.00	0.500	135.110	998.93	1.04	1.16	6.94	2213821.94	146952.16	0.12	
1091.00	0.370	76.190	1090.93	0.82	0.94	7.51	2213822.51	146951.94	0.48	
1183.00	0.190	188.510	1182.92	0.73	0.86	7.77	2213822.77	146951.86	0.52	
1276.00	0.300	187.820	1275.92	0.34	0.47	7.72	2213822.72	146951.47	0.12	
1368.00	0.160	134.800	1367.92	0.01	0.14	7.78	2213822.78	146951.14	0.26	
1461.00	0.150	325.580	1460.92	0.02	0.15	7.80	2213822.80	146951.15	0.33	
1555.00	0.040	85.710	1554.92	0.12	0.25	7.76	2213822.76	146951.25	0.18	
1647.00	0.150	239.650	1646.92	0.06	0.19	7.69	2213822.69	146951.19	0.20	
1739.00	0.090	108.190	1738.92	-0.02	0.11	7.65	2213822.66	146951.11	0.24	
1831.00	0.420	245.040	1830.92	-0.18	-0.05	7.42	2213822.42	146950.95	0.53	
1924.00	0.480	15.800	1923.92	0.06	0.18	7.21	2213822.22	146951.18	0.88	
2019.00	0.660	323.070	2018.92	0.88	1.00	6.99	2213821.99	146952.00	0.56	
2114.00	0.560	290.570	2113.91	1.49	1.60	6.23	2213821.23	146952.60	0.37	
2209.00	0.280	251.040	2208.91	1.59	1.69	5.58	2213820.58	146952.69	0.41	
2304.00	0.130	26.820	2303.91	1.62	1.71	5.41	2213820.41	146952.71	0.40	
2399.00	0.120	210.990	2398.91	1.63	1.72	5.40	2213820.40	146952.72	0.26	
2494.00	0.070	293.700	2493.91	1.57	1.66	5.30	2213820.30	146952.66	0.14	
2588.00	0.070	45.040	2587.91	1.63	1.72	5.29	2213820.29	146952.72	0.12	
2683.00	0.170	237.550	2682.91	1.60	1.68	5.21	2213820.21	146952.68	0.25	
2778.00	0.110	222.590	2777.91	1.46	1.54	5.03	2213820.03	146952.54	0.07	
2874.00	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	
3445.00	0.090	27.700	3444.91	1.55	1.63	4.54	2213819.54	146952.63	0.26	
3539.00	0.130	41.980	3538.91	1.69	1.77	4.65	2213819.65	146952.77	0.05	
3634.00	0.450	327.250	3633.91	2.09	2.17	4.52	2213819.52	146953.17	0.46	
3665.00	2.020	345.240	3664.90	2.72	2.80	4.31	2213819.31	146953.80	5.16	
3697.00	3.420	350.170	3696.86	4.22	4.28	4.00	2213819.00	146955.28	4.43	
3728.00	5.200	351.050	3727.77	6.52	6.58	3.63	2213818.63	146957.58	5.75	
3760.00	6.800	349.710	3759.60	9.83	9.88	3.06	2213818.06	146960.88	5.02	
3792.00	9.100	347.380	3791.29	14.17	14.21	2.17	2213817.17	146965.21	7.26	
3823.00	12.210	346.530	3821.75	19.78	19.79	0.87	2213815.87	146970.80	10.04	
3855.00	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	



Actual Wellpath Report



Sandridge Peter 3404 1-20H 200 FSL, 510 FEL_Final Surveys.

Page 3 of 6

REFERENCE 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		

WELLPATH DATA (166 stations) = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
3918.00	21.520	339.900	3912.33	46.79	46.66	-7.92	2213807.07	146997.67	7.24	
3949.00	21.940	338.860	3941.12	57.60	57.41	-11.97	2213803.03	147008.41	1.84	
3981.00	23.020	339.350	3970.69	69.10	68.84	-16.33	2213798.67	147019.84	3.43	
4011.00	24.340	342.300	3998.16	80.55	80.22	-20.28	2213794.72	147031.22	5.91	
4043.00	25.500	346.930	4027.19	93.60	93.21	-23.84	2213791.16	147044.21	7.09	
4074.00	24.760	349.370	4055.25	106.52	106.09	-26.55	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	32.230	344.130	4167.45	164.58	163.94	-39.25	2213775.75	147114.95	7.11	
4233.00	34.280	346.040	4194.21	181.61	180.90	-43.76	2213771.24	147131.91	7.19	
4265.00	35.130	349.410	4220.52	199.47	198.70	-47.63	2213767.37	147149.71	6.56	
4334.00	38.540	355.450	4275.75	240.53	239.67	-52.98	2213762.01	147190.68	7.20	
4365.00	40.920	357.130	4299.59	260.31	259.44	-54.26	2213760.74	147210.45	8.42	
4397.00	44.050	357.850	4323.19	281.92	281.03	-55.20	2213759.80	147232.04	9.90	
4428.00	47.790	358.350	4344.75	304.18	303.28	-55.94	2213759.06	147254.29	12.12	
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	476.81	-57.51	2213757.49	147427.83	4.78	
4681.00	58.760	359.390	4499.07	504.45	503.54	-57.86	2213757.14	147454.56	12.93	
4712.00	62.750	0.050	4514.21	531.49	530.58	-57.99	2213757.01	147481.61	13.00	
4744.00	64.480	1.310	4528.43	560.14	559.25	-57.64	2213757.35	147510.27	6.46	
4766.00	65.400	1.740	4537.75	580.05	579.17	-57.11	2213757.89	147530.19	4.54	
4803.00	66.400	2.420	4552.86	613.78	612.92	-55.89	2213759.11	147563.95	3.18	
4834.00	69.490	3.510	4564.49	642.44	641.61	-54.40	2213760.60	147592.64	10.49	
4865.00	73.860	3.970	4574.24	671.76	670.97	-52.48	2213762.52	147622.00	14.17	
4897.00	78.440	3.560	4581.90	702.71	701.96	-50.44	2213764.56	147652.99	14.37	
4928.00	82.640	3.350	4586.99	733.19	732.48	-48.60	2213766.40	147683.51	13.56	
4960.00	85.750	3.460	4590.23	764.93	764.25	-46.71	2213768.29	147715.29	9.72	
5017.00	91.110	3.650	4591.79	821.71	821.10	-43.17	2213771.83	147772.14	9.41	
5048.00	92.250	4.650	4590.88	852.58	852.01	-40.93	2213774.07	147803.04	4.89	
5143.00	91.630	4.050	4587.66	947.11	946.68	-33.73	2213781.27	147897.72	0.91	
5237.00	89.630	2.520	4586.63	1040.84	1040.51	-28.34	2213786.65	147991.55	2.68	
5332.00	90.000	0.590	4586.94	1135.74	1135.47	-25.77	2213789.23	148086.52	2.07	
5426.00	90.430	1.330	4586.58	1229.69	1229.45	-24.19	2213790.81	148180.51	0.91	
5521.00	89.260	1.720	4586.84	1324.60	1324.42	-21.66	2213793.34	148275.48	1.30	
5616.00	90.680	1.500	4586.89	1419.50	1419.38	-18.99	2213796.01	148370.44	1.51	
5710.00	89.910	359.990	4586.41	1513.45	1513.37	-17.77	2213797.23	148464.43	1.80	
5805.00	90.250	0.030	4586.27	1608.44	1608.37	-17.76	2213797.24	148559.44	0.36	
5900.00	89.970	359.550	4586.09	1703.43	1703.37	-18.10	2213796.90	148654.44	0.58	
5959.00	89.780	359.720	4586.22	1762.42	1762.36	-18.48	2213796.52	148713.44	0.43	
5995.00	91.600	359.520	4585.79	1798.42	1798.36	-18.72	2213796.28	148749.44	5.09	



Actual Wellpath Report



Sandridge Peter 3404 1-20H 200 FSL, 510 FEL_Final Surveys.

Page 4 of 6

REFERENCE 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		

WELLPATH DATA (166 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
6027.00	93.760	359.750	4584.29	1830.38	1830.32	-18.92	2213796.08	148781.40	6.79	
6090.00	92.520	359.300	4580.84	1893.28	1893.22	-19.44	2213795.56	148844.30	2.09	
6135.00	92.990	359.790	4578.68	1938.23	1938.17	-19.80	2213795.20	148889.25	1.51	
6185.00	93.170	359.760	4575.99	1988.15	1988.10	-20.00	2213795.00	148939.18	0.36	
6233.00	91.540	359.680	4574.02	2036.11	2036.05	-20.23	2213794.77	148987.14	3.40	
6281.00	91.630	359.160	4572.69	2084.09	2084.03	-20.72	2213794.28	149035.12	1.10	
6326.00	90.250	358.780	4571.95	2129.08	2129.02	-21.53	2213793.47	149080.11	3.18	
6376.00	90.340	0.150	4571.69	2179.08	2179.01	-21.99	2213793.01	149130.11	2.75	
6421.00	93.520	357.660	4570.18	2224.04	2223.97	-22.85	2213792.15	149175.07	8.97	
6471.00	97.220	358.650	4565.50	2273.81	2273.72	-24.45	2213790.54	149224.81	7.66	
6519.00	98.300	359.020	4559.02	2321.37	2321.27	-25.42	2213789.58	149272.37	2.38	
6566.00	97.380	358.780	4552.61	2367.93	2367.82	-26.32	2213788.68	149318.92	2.02	
6661.00	94.970	359.560	4542.39	2462.37	2462.25	-27.68	2213787.32	149413.36	2.66	
6692.00	94.290	358.660	4539.89	2493.26	2493.14	-28.16	2213786.84	149444.25	3.63	
6724.00	93.640	358.150	4537.67	2525.19	2525.05	-29.05	2213785.95	149476.16	2.58	
6756.00	92.560	358.070	4535.94	2557.13	2556.99	-30.10	2213784.89	149508.10	3.38	
6787.00	92.780	357.520	4534.50	2588.09	2587.93	-31.30	2213783.70	149539.04	1.91	
6819.00	91.540	357.800	4533.29	2620.06	2619.88	-32.60	2213782.40	149571.00	3.97	
6850.00	90.460	359.160	4532.75	2651.05	2650.87	-33.42	2213781.57	149601.98	5.60	
6882.00	90.680	359.430	4532.43	2683.05	2682.86	-33.82	2213781.18	149633.98	1.09	
6913.00	90.650	359.550	4532.08	2714.05	2713.86	-34.09	2213780.91	149664.98	0.40	
6946.00	90.370	359.340	4531.78	2747.05	2746.86	-34.41	2213780.59	149697.97	1.06	
7012.00	90.030	358.420	4531.55	2813.04	2812.84	-35.70	2213779.30	149763.96	1.49	
7041.00	89.230	357.780	4531.74	2842.04	2841.83	-36.66	2213778.33	149792.95	3.53	
7072.00	90.590	358.860	4531.79	2873.04	2872.81	-37.57	2213777.43	149823.93	5.60	
7135.00	90.590	359.170	4531.14	2936.03	2935.80	-38.66	2213776.34	149886.92	0.49	
7230.00	91.510	359.600	4529.40	3031.01	3030.78	-39.68	2213775.32	149981.91	1.07	
7325.00	91.790	0.950	4526.66	3125.95	3125.73	-39.22	2213775.78	150076.87	1.45	
7419.00	92.630	0.780	4523.04	3219.83	3219.65	-37.80	2213777.20	150170.79	0.91	
7515.00	90.460	1.460	4520.45	3315.73	3315.59	-35.93	2213779.07	150266.73	2.37	
7610.00	89.940	1.800	4520.12	3410.63	3410.55	-33.22	2213781.77	150361.70	0.65	
7705.00	92.990	2.220	4517.69	3505.46	3505.45	-29.89	2213785.11	150456.60	3.24	
7799.00	89.690	359.250	4515.49	3599.37	3599.39	-28.69	2213786.31	150550.55	4.72	
7893.00	90.460	357.960	4515.37	3693.36	3693.36	-30.98	2213784.02	150644.52	1.60	
7988.00	90.800	357.780	4514.32	3788.34	3788.29	-34.51	2213780.49	150739.46	0.40	
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	
8556.00	92.960	357.390	4505.42	4355.74	4355.24	-66.40	2213748.60	151306.43	2.85	
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	



Actual Wellpath Report



Sandridge Peter 3404 1-20H 200 FSL, 510 FEL_Final Surveys.

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REFERENCE 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		

WELLPATH DATA (166 stations) = interpolated/extrapolated station										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Comments
9005.00	90.250	359.030	4493.01	4804.37	4803.66	-82.21	2213732.79	151754.87	0.50	
9100.00	89.660	359.690	4493.09	4899.37	4898.66	-83.27	2213731.73	151849.87	0.93	
9195.00	91.510	0.570	4492.12	4994.34	4993.65	-83.05	2213731.94	151944.86	2.16	
9291.00	92.490	0.330	4488.77	5090.25	5089.58	-82.30	2213732.70	152040.80	1.05	
9307.00	92.460	0.298	4488.08	5106.23	5105.57	-82.21	2213732.79	152056.79	0.28	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	152135.72	0.28	
9480.00	91.790	358.850	4481.43	5279.08	5278.43	-82.74	2213732.26	152229.66	1.48	
9575.00	89.570	358.560	4480.30	5374.06	5373.40	-84.88	2213730.11	152324.63	2.36	
9670.00	90.920	358.310	4479.89	5469.06	5468.36	-87.48	2213727.52	152419.59	1.45	
9695.00	91.510	358.630	4479.36	5494.05	5493.34	-88.15	2213726.85	152444.58	2.68	
9790.00	90.310	357.810	4477.86	5589.03	5588.28	-91.10	2213723.90	152539.52	1.53	
9883.00	90.800	358.080	4476.95	5682.00	5681.22	-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	90.890	357.570	4477.88	6252.36	6251.13	-125.89	2213689.11	153202.40	1.99	
10549.00	90.430	359.270	4476.78	6347.35	6346.08	-128.50	2213686.49	153297.36	1.85	
10643.00	90.650	359.720	4475.90	6441.34	6440.07	-129.33	2213685.66	153391.35	0.53	
10737.00	91.450	0.260	4474.17	6535.31	6534.06	-129.35	2213685.64	153485.34	1.03	
10832.00	89.820	2.220	4473.12	6630.23	6629.02	-127.29	2213687.70	153580.31	2.68	
10926.00	88.950	1.760	4474.13	6724.09	6722.96	-124.03	2213690.96	153674.25	1.05	
11021.00	88.060	0.350	4476.61	6819.00	6817.91	-122.28	2213692.71	153769.20	1.75	
11116.00	88.920	0.900	4479.11	6913.93	6912.87	-121.25	2213693.75	153864.16	1.07	
11210.00	89.080	0.500	4480.75	7007.87	7006.85	-120.10	2213694.90	153958.15	0.46	
11305.00	90.310	0.440	4481.26	7102.84	7101.84	-119.32	2213695.68	154053.14	1.30	
11400.00	90.550	0.390	4480.55	7197.81	7196.83	-118.63	2213696.36	154148.14	0.26	
11495.00	89.880	0.380	4480.19	7292.78	7291.83	-117.99	2213697.00	154243.14	0.71	
11560.00	90.710	2.360	4479.85	7357.72	7356.81	-116.44	2213698.56	154308.12	3.30	
11618.00	90.710	2.360	4479.14	7415.62	7414.75	-114.05	2213700.95	154366.07	0.00	Actual BHL 11618 MD (4479 TVD) 7415 VS X:2213701 Y:154366 2309 FSL, 650 FI



Actual Wellpath Report



Sandridge Peter 3404 1-20H 200 FSL, 510 FEL_Final Surveys.

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REFERENCE 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		

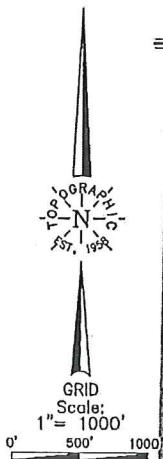
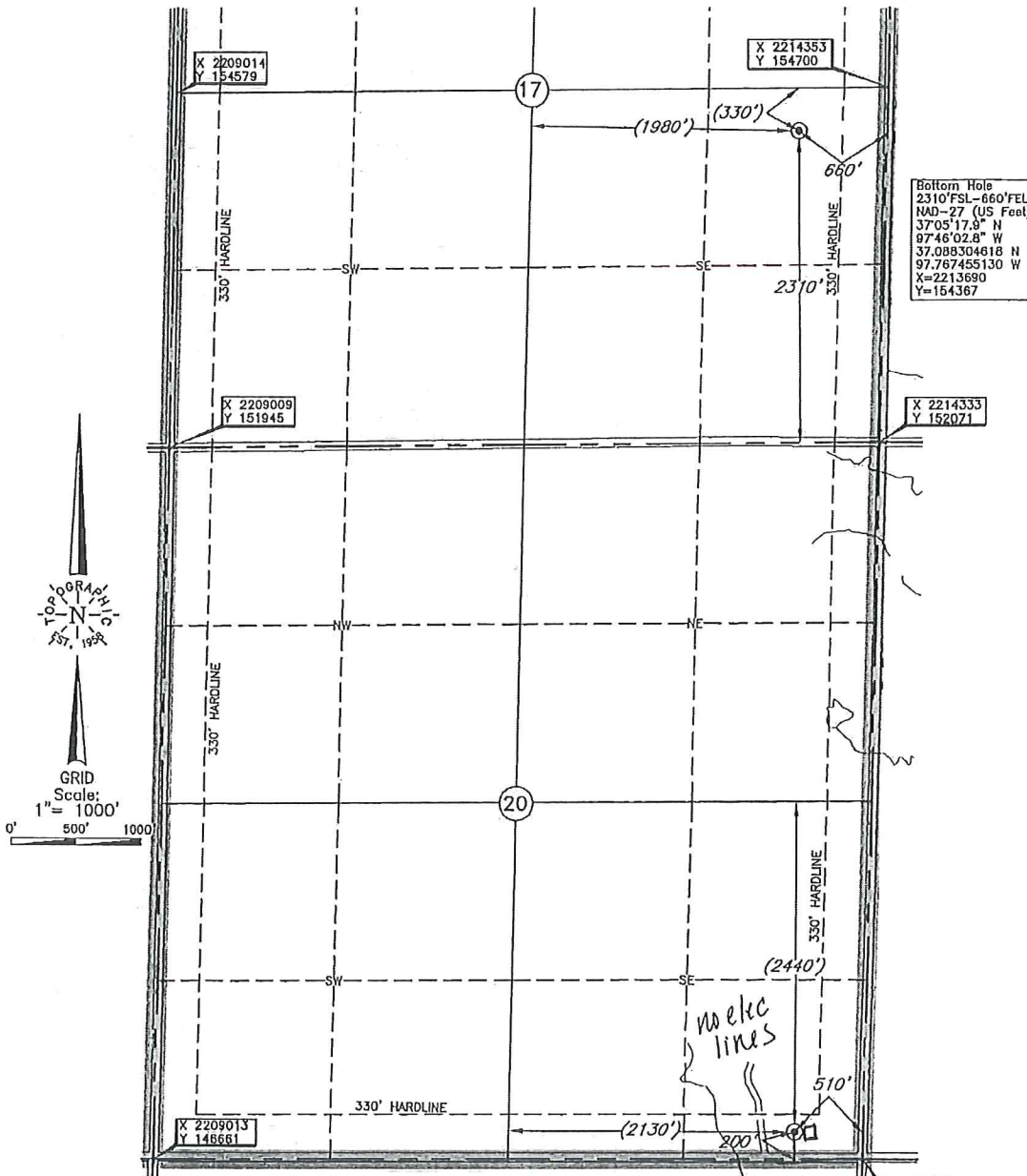
TARGETS

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

WELLPATH COMPOSITION - 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	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

SUMNER County, Kansas
 200'FSL-510'FEL Section 20 Township 34S Range 4W P.M.



Bottom Hole Information Provided
 by Operator Listed, NOT Surveyed.
 Corner Coordinates are Taken
 from Points Surveyed in the Field.

Distances shown in (parenthesis) are calculated based
 upon the Quarter Section being 2640 feet, those shown
 in [brackets] are based on GLO (General Land Office)
 distances and have NOT been measured on the ground.

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC
 Lease Name: PETER 3404 Well No.: 1-20H ELEVATION: 1220' Gr. at Stake

Topography & Vegetation Loc. fell in sloped wheat field 443' SE of old house

Good Drill Site? Yes Reference Stakes or Alternate Location
 Stakes Set None

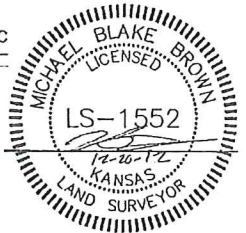
Best Accessibility to Location From South off county road

Distance & Direction From Hwy Jct or Town From Caldwell, Ks, go ±3 miles North, then ±9 miles West to the SE Cor. of Sec. 20-T34S-R4W

DATUM: NAD-27
 LAT: 37°04'04.6"N
 LONG: 97°46'02.0"W
 LAT: 37.067935061
 LONG: 97.767226086
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KANSAS SOUTH
 X: 2213815
 Y: 146951

Revision A Date of Drawing: Dec. 10, 2012
 Invoice # 192238 Date Staked: Oct. 31, 2012 LC

CERTIFICATE:
 I, Michael Blake Brown a Kansas Licensed Land
 Surveyor and an authorized agent of Topographic Land
 Surveyors, do hereby certify that the above described
 well location was surveyed and staked on the ground
 as shown herein.



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 farmed by 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