



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
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	



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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	



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Facility	Peter 3404 1-20H Sec 20 34S 4W		

WELLPATH DATA (166 stations)										
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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	



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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