



Actual Wellpath Report

Sandridge Leroy 3119 1-5H_Final Surveys.

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Leroy 3119 1-5H SL 200FSL,660FWL
Area	Kansas	Well	Subject
Field	Comanche County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Leroy 3119 1-5H SL 200FSL,660FWL Actual
Facility	Leroy 3119 1-5H Sec5-31S-19W		

WELLPATH DATA (102 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]	Log Comment
0.00	0.000	215.060	0.00	0.00	0.00	0.00	1733960.00	256583.00	0.00	
19.60	0.000	215.060	19.60	0.00	0.00	0.00	1733960.00	256583.00	0.00	
249.00	0.900	215.060	248.99	-1.51	-1.47	-1.03	1733958.97	256581.53	0.39	
497.00	0.800	215.060	496.96	-4.58	-4.49	-3.15	1733956.85	256578.51	0.04	
742.00	0.600	215.060	741.94	-7.09	-6.94	-4.87	1733955.13	256576.06	0.08	
1005.00	0.260	215.060	1004.94	-8.74	-8.55	-6.00	1733954.00	256574.45	0.13	
1250.00	0.320	163.260	1249.93	-9.85	-9.66	-6.12	1733953.88	256573.34	0.11	
1722.00	0.770	258.090	1721.92	-11.85	-11.58	-8.85	1733951.15	256571.42	0.18	
2198.00	0.340	247.050	2197.89	-13.20	-12.79	-13.28	1733946.72	256570.21	0.09	
2673.00	1.010	256.300	2672.86	-14.91	-14.33	-18.64	1733941.36	256568.67	0.14	
3147.00	1.100	270.580	3146.78	-16.13	-15.27	-27.25	1733932.75	256567.73	0.06	
3622.00	1.060	242.960	3621.70	-18.35	-17.23	-35.72	1733924.28	256565.78	0.11	
4097.00	1.070	249.070	4096.62	-22.18	-20.81	-43.78	1733916.22	256562.19	0.02	
4128.00	0.950	257.040	4127.61	-22.36	-20.97	-44.30	1733915.70	256562.03	0.60	
4159.00	1.590	235.540	4158.60	-22.68	-21.27	-44.91	1733915.10	256561.73	2.54	
4191.00	1.540	260.470	4190.59	-23.02	-21.59	-45.70	1733914.31	256561.41	2.12	
4223.00	2.860	346.150	4222.57	-22.34	-20.89	-46.31	1733913.69	256562.11	9.83	
4254.00	4.950	22.910	4253.51	-20.35	-18.90	-45.97	1733914.03	256564.10	10.20	
4286.00	6.740	41.480	4285.34	-17.61	-16.23	-44.19	1733915.81	256566.78	8.07	
4318.00	7.050	38.500	4317.11	-14.59	-13.28	-41.73	1733918.27	256569.72	1.48	
4349.00	9.690	30.710	4347.78	-10.78	-9.55	-39.21	1733920.79	256573.45	9.25	
4381.00	12.570	26.220	4379.17	-5.25	-4.11	-36.30	1733923.71	256578.89	9.39	
4413.00	15.500	23.540	4410.21	1.89	2.94	-33.05	1733926.95	256585.94	9.38	
4444.00	16.990	20.620	4439.98	10.03	10.97	-29.80	1733930.20	256593.97	5.48	
4476.00	18.630	16.850	4470.44	19.39	20.24	-26.67	1733933.33	256603.24	6.26	
4508.00	21.430	12.980	4500.51	30.06	30.83	-23.88	1733936.13	256613.83	9.68	
4539.00	24.000	11.160	4529.10	41.84	42.54	-21.38	1733938.62	256625.54	8.59	
4571.00	26.040	9.680	4558.10	55.22	55.85	-18.94	1733941.06	256638.85	6.67	
4603.00	28.490	7.430	4586.54	69.78	70.34	-16.77	1733943.23	256653.34	8.30	
4635.00	30.460	4.460	4614.40	85.48	86.00	-15.16	1733944.84	256669.00	7.66	
4666.00	33.240	2.900	4640.73	101.83	102.32	-14.11	1733945.89	256685.32	9.35	
4698.00	35.800	2.630	4667.09	119.96	120.44	-13.24	1733946.76	256703.43	8.01	
4714.00	36.471	2.284	4680.01	129.39	129.86	-12.84	1733947.16	256712.86	4.38	Hardline Cross 4714MD(4680TVD) 330FSL,643FWL
4729.00	37.100	1.970	4692.03	138.37	138.84	-12.50	1733947.50	256721.83	4.38	
4761.00	39.000	1.570	4717.22	158.10	158.55	-11.90	1733948.10	256741.55	5.99	
4793.00	41.540	1.180	4741.64	178.78	179.23	-11.40	1733948.60	256762.22	7.98	
4824.00	44.160	1.200	4764.36	199.86	200.30	-10.96	1733949.04	256783.30	8.45	
4856.00	45.830	1.120	4786.99	222.48	222.92	-10.51	1733949.49	256805.92	5.22	
4888.00	47.640	1.390	4808.92	245.78	246.22	-9.99	1733950.01	256829.21	5.69	
4919.00	49.590	0.970	4829.42	269.04	269.47	-9.52	1733950.48	256852.47	6.37	
4951.00	50.520	0.940	4849.96	293.57	294.00	-9.11	1733950.89	256877.00	2.91	
4983.00	50.730	1.080	4870.26	318.30	318.73	-8.67	1733951.33	256901.73	0.74	
5014.00	51.280	0.570	4889.77	342.39	342.82	-8.33	1733951.67	256925.82	2.19	
5046.00	51.430	359.720	4909.75	367.37	367.82	-8.26	1733951.74	256950.81	2.13	
5078.00	51.810	359.590	4929.62	392.44	392.90	-8.41	1733951.59	256975.89	1.23	

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Area	Kansas	Well	Subject
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Facility	Leroy 3119 1-5H Sec5-31S-19W		

WELLPATH DATA (102 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
5109.00	52.050	0.030	4948.74	416.83	417.31	-8.49	1733951.51	257000.30	1.36	
5141.00	52.930	0.130	4968.22	442.20	442.69	-8.46	1733951.54	257025.68	2.76	
5173.00	55.510	0.820	4986.93	468.15	468.65	-8.24	1733951.76	257051.64	8.25	
5204.00	57.210	0.070	5004.10	493.95	494.45	-8.04	1733951.96	257077.44	5.84	
5236.00	59.030	359.530	5021.00	521.11	521.62	-8.14	1733951.86	257104.61	5.87	
5268.00	61.460	0.020	5036.88	548.87	549.40	-8.25	1733951.75	257132.39	7.71	
5299.00	64.100	1.340	5051.06	576.43	576.97	-7.92	1733952.09	257159.95	9.32	
5331.00	67.590	2.530	5064.15	605.62	606.14	-6.93	1733953.07	257189.13	11.42	
5363.00	72.280	3.960	5075.13	635.66	636.14	-5.22	1733954.78	257219.13	15.25	
5394.00	76.790	5.390	5083.39	665.49	665.91	-2.78	1733957.22	257248.90	15.21	
5426.00	80.620	5.290	5089.66	696.80	697.15	0.14	1733960.14	257280.13	11.97	
5450.00	84.700	5.770	5092.73	720.55	720.84	2.43	1733962.43	257303.82	17.12	
5519.00	88.240	6.610	5096.97	789.21	789.29	9.86	1733969.86	257372.28	5.27	
5581.00	88.800	6.150	5098.58	850.99	850.89	16.75	1733976.75	257433.87	1.17	
5642.00	89.780	5.610	5099.33	911.83	911.56	22.99	1733982.99	257494.54	1.83	
5734.00	90.590	3.980	5099.03	1003.70	1003.23	30.68	1733990.68	257586.21	1.98	
5826.00	90.520	4.170	5098.14	1095.63	1095.00	37.22	1733997.22	257677.97	0.22	
5918.00	90.490	2.350	5097.33	1187.59	1186.84	42.45	1734002.45	257769.82	1.98	
6010.00	90.490	3.000	5096.55	1279.58	1278.74	46.75	1734006.75	257861.71	0.71	
6102.00	90.220	1.720	5095.98	1371.57	1370.66	50.54	1734010.53	257953.63	1.42	
6194.00	90.890	2.480	5095.08	1463.56	1462.59	53.91	1734013.91	258045.56	1.10	
6286.00	90.520	1.590	5093.95	1555.55	1554.52	57.17	1734017.17	258137.49	1.05	
6378.00	90.550	2.020	5093.09	1647.55	1646.47	60.07	1734020.07	258229.44	0.47	
6469.00	90.990	2.370	5091.87	1738.54	1737.40	63.56	1734023.55	258320.36	0.62	
6561.00	90.950	0.950	5090.31	1830.52	1829.34	66.22	1734026.22	258412.31	1.54	
6656.00	90.490	0.740	5089.12	1925.50	1924.32	67.62	1734027.62	258507.29	0.53	
6751.00	90.830	0.620	5088.03	2020.48	2019.31	68.75	1734028.75	258602.27	0.38	
6846.00	89.780	1.770	5087.52	2115.47	2114.29	70.73	1734030.73	258697.24	1.64	
6941.00	89.290	0.970	5088.29	2210.46	2209.25	73.00	1734033.00	258792.21	0.99	
7036.00	89.720	0.730	5089.11	2305.44	2304.24	74.41	1734034.41	258887.19	0.52	
7131.00	90.340	2.620	5089.06	2400.44	2399.20	77.19	1734037.19	258982.15	2.09	
7226.00	89.720	2.740	5089.01	2495.42	2494.09	81.63	1734041.63	259077.04	0.66	
7321.00	90.030	1.840	5089.22	2590.42	2589.01	85.42	1734045.42	259171.96	1.00	
7416.00	90.550	1.700	5088.74	2685.42	2683.97	88.36	1734048.36	259266.91	0.57	
7511.00	91.260	0.720	5087.24	2780.40	2778.93	90.36	1734050.36	259361.88	1.27	
7606.00	91.450	359.990	5084.99	2875.34	2873.90	90.95	1734050.95	259456.84	0.79	
7701.00	90.550	1.130	5083.33	2970.30	2968.88	91.88	1734051.88	259551.82	1.53	
7796.00	91.020	2.400	5082.03	3065.29	3063.82	94.81	1734054.81	259646.76	1.43	
7891.00	92.250	2.650	5079.32	3160.24	3158.69	98.99	1734058.99	259741.63	1.32	
7986.00	91.660	2.580	5076.08	3255.18	3253.54	103.32	1734063.32	259836.47	0.63	
8081.00	90.650	1.910	5074.17	3350.15	3348.44	107.04	1734067.04	259931.38	1.28	
8176.00	89.290	1.820	5074.21	3445.15	3443.39	110.13	1734070.13	260026.32	1.43	
8271.00	89.850	1.900	5074.93	3540.15	3538.34	113.22	1734073.22	260121.27	0.60	
8366.00	88.740	1.620	5076.10	3635.14	3633.28	116.14	1734076.13	260216.21	1.21	
8461.00	89.200	1.410	5077.80	3730.12	3728.24	118.65	1734078.64	260311.16	0.53	

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Leroy 3119 1-5H SL 200FSL,660FWL
Area	Kansas	Well	Subject
Field	Comanche County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Leroy 3119 1-5H SL 200FSL,660FWL Actual
Facility	Leroy 3119 1-5H Sec5-31S-19W		

WELLPATH DATA (102 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
8556.00	89.840	1.980	5078.60	3825.12	3823.19	121.46	1734081.45	260406.11	0.90	
8651.00	90.250	1.240	5078.53	3920.12	3918.15	124.13	1734084.12	260501.07	0.89	
8746.00	90.180	1.600	5078.17	4015.11	4013.12	126.48	1734086.48	260596.04	0.39	
8841.00	90.860	1.670	5077.31	4110.11	4108.08	129.19	1734089.19	260690.99	0.72	
8936.00	90.590	0.320	5076.10	4205.09	4203.05	130.84	1734090.84	260785.97	1.45	
9031.00	90.990	359.410	5074.80	4300.02	4298.04	130.62	1734090.61	260880.96	1.05	
9126.00	91.050	359.570	5073.10	4394.93	4393.02	129.77	1734089.77	260975.94	0.18	
9221.00	91.140	0.040	5071.29	4489.86	4488.01	129.45	1734089.44	261070.92	0.50	
9316.00	90.430	0.040	5069.99	4584.80	4583.00	129.51	1734089.51	261165.90	0.75	
9411.00	90.680	0.090	5069.07	4679.75	4677.99	129.62	1734089.62	261260.90	0.27	
9450.00	90.990	0.210	5068.50	4718.73	4716.99	129.72	1734089.72	261299.89	0.85	
9509.00	90.990	0.210	5067.48	4777.70	4775.98	129.94	1734089.94	261358.88	0.00	BHL 9509MD(5067TVD) 330FNL,639FWL

TARGETS										
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape	
Leroy 3119 1-5H PBHL		5074.87	4776.00	151.00	1734111.00	261358.90	37°22'51.151"N	99°24'54.262"W	point	

WELLPATH COMPOSITION - Ref Wellbore: Leroy 3119 1-5H SL 200FSL,660FWL Actual						Ref Wellpath: AWP-Final
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment		Wellbore	
19.60	9450.00	OnTrak (Standard)	Inteq OnTrak		Leroy 3119 1-5H SL 200FSL,660FWL Actual	
9450.00	9509.00	Blind Drilling (std)	Projection to bit		Leroy 3119 1-5H SL 200FSL,660FWL Actual	