



# Actual Wellpath Report

Sandridge Huck 3120-1-9H\_Final Surveys.

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Huck 3120-1-9H SL 200FNL, 1100FEL
Area	Kansas	Well	Subject
Field	Comanche County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Huck 3120-1-9H AWB
Facility	Huck 3120-1-9H Sec 9-31S-20W		

WELLPATH DATA (108 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	12.250	0.00	0.00	0.00	0.00	1711395.00	256322.00	0.00		
18.00	0.000	12.250	18.00	0.00	0.00	0.00	1711395.00	256322.00	0.00		
280.00	0.000	0.000	280.00	0.00	0.00	0.00	1711395.00	256322.00	0.00		
620.00	0.000	0.000	620.00	0.00	0.00	0.00	1711395.00	256322.00	0.00		
896.00	0.000	0.000	896.00	0.00	0.00	0.00	1711395.00	256322.00	0.00		
975.00	0.030	12.250	975.00	-0.02	0.02	0.00	1711395.00	256322.02	0.04		
1251.00	0.030	295.430	1251.00	-0.12	0.12	-0.05	1711394.95	256322.12	0.01		
1725.00	1.180	290.750	1724.97	-2.24	1.90	-4.72	1711390.28	256323.90	0.24		
2201.00	1.090	293.740	2200.87	-6.42	5.46	-13.45	1711381.55	256327.46	0.02		
2678.00	1.550	319.520	2677.75	-13.74	12.20	-21.79	1711373.21	256334.20	0.16		
3154.00	1.030	311.150	3153.63	-21.96	19.91	-29.19	1711365.81	256341.91	0.12		
3631.00	0.590	290.860	3630.58	-26.05	23.60	-34.71	1711360.29	256345.60	0.11		
4108.00	0.220	9.940	4107.57	-27.98	25.38	-36.85	1711358.15	256347.38	0.12		
4185.00	0.340	37.160	4184.57	-28.29	25.71	-36.69	1711358.31	256347.71	0.23		
4234.00	0.860	128.350	4233.57	-28.15	25.60	-36.31	1711358.69	256347.60	1.90		
4266.00	3.040	155.730	4265.55	-27.19	24.67	-35.77	1711359.23	256346.67	7.22		
4298.00	4.590	160.370	4297.47	-25.16	22.69	-35.00	1711360.00	256344.69	4.93		
4329.00	6.050	160.550	4328.34	-22.39	19.99	-34.04	1711360.97	256341.99	4.71		
4361.00	7.670	163.660	4360.11	-18.68	16.35	-32.87	1711362.13	256338.35	5.19		
4393.00	9.580	169.340	4391.75	-13.94	11.68	-31.78	1711363.22	256333.68	6.53		
4425.00	11.880	168.900	4423.18	-8.03	5.83	-30.65	1711364.35	256327.83	7.19		
4457.00	14.570	170.440	4454.33	-0.75	-1.37	-29.35	1711365.65	256320.63	8.48		
4489.00	17.520	171.140	4485.08	8.06	-10.10	-27.94	1711367.06	256311.90	9.24		
4520.00	20.430	170.680	4514.40	18.10	-20.05	-26.34	1711368.66	256301.95	9.40		
4552.00	22.740	169.650	4544.15	29.81	-31.65	-24.33	1711370.67	256290.35	7.31		
4584.00	24.100	170.990	4573.51	42.47	-44.19	-22.19	1711372.81	256277.81	4.56		
4616.00	26.020	171.630	4602.50	55.98	-57.59	-20.15	1711374.85	256264.41	6.06		
4647.00	28.390	172.990	4630.07	70.13	-71.63	-18.26	1711376.74	256250.37	7.90		
4679.00	29.620	172.500	4658.05	85.62	-87.02	-16.30	1711378.70	256234.98	3.91		
4711.00	32.070	172.670	4685.53	102.00	-103.29	-14.18	1711380.82	256218.71	7.66		
4743.00	34.690	172.170	4712.25	119.57	-120.74	-11.86	1711383.14	256201.26	8.23		
4760.00	35.184	171.977	4726.18	129.28	-130.38	-10.51	1711384.49	256191.62	2.98	HardlineCross 4760MD94726TVD) 330FNL,1108FEL	
4775.00	35.620	171.810	4738.41	137.95	-138.99	-9.29	1711385.71	256183.02	2.98		
4806.00	37.120	171.700	4763.37	156.29	-157.18	-6.65	1711388.35	256164.82	4.84		
4838.00	38.120	172.000	4788.71	175.77	-176.52	-3.88	1711391.12	256145.49	3.18		
4870.00	40.370	170.770	4813.50	195.95	-196.53	-0.85	1711394.15	256125.48	7.44		
4902.00	42.540	169.930	4837.48	217.04	-217.41	2.71	1711397.71	256104.59	7.00		
4933.00	44.900	171.230	4859.88	238.37	-238.55	6.21	1711401.21	256083.46	8.15		
4965.00	47.680	171.730	4881.99	261.43	-261.42	9.63	1711404.63	256060.59	8.76		
4997.00	49.710	172.010	4903.11	285.41	-285.22	13.03	1711408.03	256036.79	6.38		
5029.00	50.230	171.770	4923.69	309.86	-309.47	16.49	1711411.49	256012.53	1.72		
5061.00	50.630	171.510	4944.08	334.46	-333.88	20.08	1711415.07	255988.13	1.40		
5092.00	51.170	171.800	4963.63	358.45	-357.68	23.57	1711418.57	255964.33	1.89		
5124.00	51.410	171.040	4983.64	383.34	-382.37	27.29	1711422.29	255939.64	2.00		
5156.00	51.360	170.590	5003.61	408.25	-407.05	31.28	1711426.28	255914.95	1.11		

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Area	Kansas	Well	Subject
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Facility	Huck 3120-1-9H Sec 9-31S-20W		

WELLPATH DATA (108 stations)										
MD [ft]	Inclination [°]	Azimuth [°]	TYD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	DLS [°/100ft]	Log Comment
5188.00	52.110	169.820	5023.43	433.25	-431.81	35.56	1711430.56	255890.20	3.01	
5219.00	54.370	169.750	5041.98	457.95	-456.25	39.96	1711434.96	255865.76	7.29	
5251.00	57.160	170.180	5059.98	484.26	-482.30	44.57	1711439.57	255839.71	8.79	
5283.00	58.430	169.980	5077.04	511.20	-508.97	49.24	1711444.23	255813.04	4.00	
5315.00	59.750	170.790	5093.48	538.53	-536.04	53.82	1711448.82	255785.97	4.66	
5346.00	62.410	170.770	5108.46	565.55	-562.82	58.17	1711453.17	255759.19	8.58	
5378.00	64.760	170.980	5122.70	594.10	-591.12	62.71	1711457.71	255730.90	7.37	
5410.00	67.520	171.940	5135.64	623.28	-620.05	67.05	1711462.05	255701.96	9.05	
5442.00	70.740	172.610	5147.04	653.12	-649.68	71.07	1711466.07	255672.33	10.25	
5473.00	74.060	172.530	5156.41	682.61	-678.98	74.89	1711469.89	255643.04	10.71	
5505.00	76.590	172.860	5164.52	713.52	-709.68	78.83	1711473.82	255612.34	7.97	
5525.00	78.670	172.990	5168.80	733.03	-729.06	81.23	1711476.23	255592.95	10.42	
5569.00	82.280	172.620	5176.08	776.35	-772.11	86.67	1711481.67	255549.91	8.25	
5600.00	82.490	172.410	5180.19	807.03	-802.57	90.67	1711485.67	255519.44	0.95	
5632.00	82.650	173.020	5184.33	838.71	-834.05	94.69	1711489.69	255487.97	1.96	
5664.00	82.790	172.610	5188.38	870.41	-865.54	98.66	1711493.66	255456.48	1.34	
5696.00	83.070	172.180	5192.32	902.10	-897.02	102.87	1711497.86	255425.00	1.59	
5727.00	83.240	172.110	5196.02	932.82	-927.51	107.07	1711502.07	255394.51	0.59	
5759.00	84.020	172.190	5199.57	964.55	-959.01	111.42	1711506.41	255363.01	2.45	
5791.00	87.470	172.990	5201.94	996.41	-990.65	115.53	1711510.53	255331.37	11.07	
5815.00	89.380	173.840	5202.60	1020.38	-1014.48	118.28	1711513.28	255307.54	8.71	
5867.00	90.520	173.700	5202.65	1072.34	-1066.18	123.92	1711518.92	255255.84	2.21	
5959.00	90.770	175.540	5201.61	1164.31	-1157.76	132.55	1711527.55	255164.26	2.02	
6051.00	91.450	175.570	5199.83	1256.29	-1249.47	139.68	1711534.68	255072.56	0.74	
6144.00	91.940	176.570	5197.08	1349.25	-1342.21	146.05	1711541.05	254979.82	1.20	
6235.00	92.310	177.200	5193.70	1440.17	-1433.01	150.99	1711545.99	254889.02	0.80	
6327.00	92.400	178.900	5189.92	1532.02	-1524.87	154.12	1711549.12	254797.16	1.85	
6419.00	91.540	178.650	5186.76	1623.85	-1616.80	156.08	1711551.08	254705.23	0.97	
6510.00	91.510	178.390	5184.34	1714.72	-1707.74	158.43	1711553.43	254614.30	0.29	
6602.00	89.970	178.640	5183.15	1806.61	-1799.69	160.82	1711555.82	254522.34	1.70	
6693.00	89.750	178.980	5183.37	1897.49	-1890.67	162.71	1711557.70	254431.36	0.45	
6785.00	90.310	179.350	5183.33	1989.33	-1982.66	164.05	1711559.05	254339.38	0.73	
6877.00	90.400	179.710	5182.76	2081.14	-2074.66	164.80	1711559.80	254247.38	0.40	
6968.00	90.860	179.730	5181.75	2171.93	-2165.65	165.25	1711560.24	254156.39	0.51	
7060.00	90.760	178.790	5180.45	2263.76	-2257.63	166.44	1711561.43	254064.41	1.03	
7151.00	90.860	178.440	5179.17	2354.64	-2348.60	168.64	1711563.63	253973.45	0.40	
7243.00	89.850	177.590	5178.60	2446.58	-2440.54	171.82	1711566.82	253881.51	1.43	
7338.00	89.510	177.480	5179.13	2541.53	-2535.45	175.91	1711570.90	253786.60	0.38	
7434.00	89.010	176.880	5180.37	2637.50	-2631.32	180.63	1711575.63	253690.73	0.81	
7529.00	90.220	175.750	5181.01	2732.49	-2726.12	186.74	1711581.73	253595.93	1.74	
7625.00	90.340	175.610	5180.54	2828.49	-2821.85	193.97	1711588.96	253500.21	0.19	
7721.00	90.180	175.700	5180.10	2924.49	-2917.57	201.24	1711596.24	253404.49	0.19	
7816.00	89.970	176.130	5179.98	3019.49	-3012.33	208.01	1711603.00	253309.73	0.50	
7912.00	90.650	175.830	5179.46	3115.48	-3108.09	214.74	1711609.73	253213.97	0.77	
8008.00	91.110	176.043	5177.98	3211.47	-3203.84	221.54	1711616.54	253118.23	0.53	

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Sandridge Energy	Slot	Huck 3120-1-9H SL 200FNL, 1100FEL
Area	Kansas	Well	Subject
Field	Comanche County, Kansas (Sandridge Energy) NAD27 / Grid	Wellbore	Huck 3120-1-9H AWB
Facility	Huck 3120-1-9H Sec 9-31S-20W		

WELLPATH DATA (108 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
8103.00	90.620	176.260	5176.55	3306.46	-3298.61	227.92	1711622.91	253023.45	0.56	
8199.00	90.370	175.720	5175.72	3402.46	-3394.37	234.63	1711629.62	252927.69	0.62	
8295.00	90.740	175.310	5174.79	3498.45	-3490.08	242.13	1711637.13	252831.99	0.58	
8390.00	91.630	175.650	5172.83	3593.43	-3584.76	249.62	1711644.61	252737.31	1.00	
8511.00	91.200	174.910	5169.84	3714.38	-3705.31	259.57	1711654.57	252616.76	0.71	
8606.00	90.550	174.230	5168.39	3809.35	-3799.87	268.56	1711663.56	252522.20	0.99	
8702.00	90.340	175.280	5167.64	3905.32	-3895.47	277.34	1711672.33	252426.61	1.12	
8797.00	89.110	175.320	5168.10	4000.32	-3990.14	285.12	1711680.12	252331.94	1.30	
8893.00	89.200	176.200	5169.51	4096.30	-4085.87	292.22	1711687.21	252236.21	0.92	
8988.00	89.010	175.950	5171.00	4191.29	-4180.64	298.72	1711693.71	252141.45	0.33	
9084.00	89.540	177.030	5172.21	4287.28	-4276.45	304.60	1711699.59	252045.64	1.25	
9180.00	88.340	176.410	5173.99	4383.25	-4372.27	310.09	1711705.08	251949.82	1.41	
9275.00	88.270	176.020	5176.80	4478.20	-4467.02	316.36	1711711.35	251855.07	0.42	
9371.00	88.610	175.850	5179.41	4574.17	-4562.74	323.16	1711718.15	251759.35	0.40	
9467.00	88.890	175.530	5181.51	4670.14	-4658.45	330.37	1711725.37	251663.64	0.44	
9534.00	89.320	175.760	5182.55	4737.14	-4725.25	335.46	1711730.45	251596.85	0.73	
9574.00	89.320	175.760	5183.03	4777.13	-4765.14	338.42	1711733.41	251556.96	0.00	HardlineCross 9574MD(5183TVD) 330FSL, 666FEL
9584.00	89.320	175.760	5183.15	4787.13	-4775.11	339.16	1711734.15	251546.99	0.00	BHL 9584MD(5183TVD) 320FSL, 665FEL

TARGETS									
Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Huck 3120-1-9H PBHL		5170.00	-4766.00	345.00	1711739.99	251556.10	37°21'11.972"N	99°29'30.119"W	point

WELLPATH COMPOSITION - Ref Wellbore: Huck 3120-1-9H AWB Ref Wellpath: AWP - Final					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	
18.00	896.00	Drift Indicator (Standard)	Model of inclination only	Huck 3120-1-9H AWB	
896.00	9534.00	Unknown Tool (Standard)	Inteq MWD	Huck 3120-1-9H AWB	
9534.00	9584.00	Blind Drilling (std)	Projection to bit	Huck 3120-1-9H AWB	