



Actual Wellpath Report

Curry 8H AWP Proj: 11720'
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REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #08
Area	Marshall County, WV	Well	Curry 8H Pilot
Field	Marshall County	Wellbore	Curry 8H AWP
Facility	Curry Pad		

REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert West Virginia SP, Northern Zone (4701), US feet	Software System	WellArchitect® 4.0.1
North Reference	True	User	Edsaryar
Scale	0.999953	Report Generated	02/Mar/2016 at 14:52
Convergence at slot	n/a	Database/Source file	WA_MPL_EASTERNS_Defn/Curry_8H_AWP.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North(ft)	East(ft)	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	17.65	-20.33	1641330.56	515665.66	39°54'35.730"N	80°39'58.821"W
Facility Reference Pt			1641350.66	515647.75	39°54'35.555"N	80°39'58.560"W
Field Reference Pt			1644569.15	516963.83	39°54'48.972"N	80°39'17.476"W

WELLPATH DATUM

Calculation method	Minimum curvature	Nabors X07 (RKB) to Facility Vertical Datum	32.00ft
Horizontal Reference Pt	Slot	Nabors X07 (RKB) to Mean Sea Level	1352.00ft
Vertical Reference Pt	Nabors X07 (RKB)	Nabors X07 (RKB) to Mud Line at Slot (Slot #08)	32.00ft
MD Reference Pt	Nabors X07 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	317.96°



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WELLPATH DATA (125 stations) * = interpolated/extrapolated station

MID	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[ft S ft]	[ft S ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]
0.00±	0.000	153.830	0.00	0.00	0.00	0.00	1641330.56	515665.66	39°54'35.730"N	80°39'58.821"W	0.00	0.000	0.00	0.00	0.00
32.00	0.000	153.830	32.00	0.00	0.00	0.00	1641330.56	515665.66	39°54'35.730"N	80°39'58.821"W	0.00	0.000	0.00	0.00	0.00
132.00	0.120	153.830	132.00	-0.10	-0.09	0.05	1641330.60	515665.57	39°54'35.729"N	80°39'58.820"W	0.10	153.830	0.12	0.12	0.00
232.00	0.190	259.570	232.00	-0.11	-0.22	-0.07	1641330.49	515665.44	39°54'35.728"N	80°39'58.821"W	0.23	197.969	0.25	0.07	105.74
332.00	0.200	285.480	332.00	0.12	-0.20	-0.40	1641330.16	515665.46	39°54'35.728"N	80°39'58.826"W	0.45	243.385	0.09	0.01	25.91
432.00	0.140	292.380	432.00	0.38	-0.11	-0.68	1641329.88	515665.56	39°54'35.729"N	80°39'58.829"W	0.69	260.990	0.06	-0.06	6.90
532.00	0.210	318.360	532.00	0.67	0.08	-0.92	1641329.64	515665.75	39°54'35.731"N	80°39'58.832"W	0.92	274.681	0.10	0.07	25.99
632.00	0.080	335.450	632.00	0.92	0.28	-1.07	1641329.50	515665.95	39°54'35.733"N	80°39'58.834"W	1.10	284.462	0.14	-0.13	17.09
732.00	0.140	27.690	732.00	1.03	0.45	-1.04	1641329.53	515666.12	39°54'35.734"N	80°39'58.834"W	1.13	293.255	0.11	0.06	52.24
832.00	0.150	24.980	832.00	1.12	0.67	-0.93	1641329.64	515666.35	39°54'35.737"N	80°39'58.833"W	1.15	305.972	0.01	0.01	-2.71
932.00	0.370	224.360	932.00	1.15	0.56	-1.10	1641329.47	515666.24	39°54'35.735"N	80°39'58.835"W	1.23	297.075	0.51	0.22	-160.62
1032.00	1.050	233.480	1031.99	1.22	-0.21	-2.06	1641328.50	515665.47	39°54'35.728"N	80°39'58.847"W	2.07	264.068	0.69	0.68	9.12
1132.00	2.160	233.080	1131.95	1.48	-1.89	-4.30	1641326.23	515665.82	39°54'35.711"N	80°39'58.876"W	4.70	246.278	1.11	1.11	-0.40
1232.00	3.570	233.100	1231.82	1.92	-4.89	-8.30	1641322.20	515666.88	39°54'35.682"N	80°39'58.876"W	9.64	239.483	1.41	1.41	0.02
1332.00	3.580	232.320	1331.63	2.44	-8.67	-13.26	1641317.19	515657.16	39°54'35.644"N	80°39'58.991"W	15.84	236.822	0.05	0.01	-0.78
1432.00	3.710	231.050	1431.42	2.85	-12.61	-18.25	1641312.15	515653.29	39°54'35.605"N	80°39'59.055"W	22.18	235.349	0.15	0.13	-1.27
1532.00	3.330	228.410	1531.23	3.05	-16.57	-22.94	1641307.41	515649.39	39°54'35.566"N	80°39'59.115"W	28.30	234.147	0.41	-0.38	-2.64
1632.00	3.030	225.530	1631.08	2.96	-20.35	-27.00	1641303.30	515645.66	39°54'35.529"N	80°39'59.167"W	33.81	232.984	0.34	-0.30	-2.88
1732.00	2.390	221.960	1730.97	2.63	-23.76	-30.28	1641299.98	515642.30	39°54'35.495"N	80°39'59.209"W	38.48	231.880	0.66	-0.64	-3.57
1832.00	2.640	213.070	1830.87	1.82	-27.24	-32.93	1641297.28	515638.85	39°54'35.461"N	80°39'59.243"W	42.73	230.402	0.46	0.25	-8.89
1932.00	3.060	212.410	1930.75	0.51	-31.42	-35.61	1641294.54	515634.71	39°54'35.419"N	80°39'59.278"W	47.49	228.580	0.42	0.42	-0.66
2032.00	2.670	216.250	2030.62	-0.67	-35.55	-38.42	1641291.68	515630.61	39°54'35.379"N	80°39'59.314"W	52.35	227.222	0.43	-0.39	3.84
2132.00	2.280	210.610	2130.53	-1.74	-39.14	-40.81	1641289.25	515627.05	39°54'35.343"N	80°39'59.344"W	56.93	226.196	0.46	-0.39	-5.64
2142.00	2.240	209.940	2140.52	-1.86	-39.48	-41.01	1641289.04	515626.72	39°54'35.340"N	80°39'59.347"W	56.93	226.087	0.48	-0.40	-6.70
2261.00	1.140	200.460	2259.47	-3.13	-42.61	-42.58	1641287.43	515623.61	39°54'35.309"N	80°39'59.367"W	60.24	224.985	0.95	-0.92	-7.97
2356.00	0.800	185.830	2354.46	-4.01	-44.15	-42.98	1641287.01	515622.07	39°54'35.294"N	80°39'59.372"W	61.62	224.231	0.44	-0.36	-15.40
2451.00	0.550	209.050	2449.45	-4.60	-45.21	-43.27	1641286.71	515621.02	39°54'35.283"N	80°39'59.376"W	62.58	223.744	0.39	-0.26	24.44
2545.00	0.390	211.500	2543.45	-4.84	-45.88	-43.66	1641286.31	515620.36	39°54'35.276"N	80°39'59.381"W	63.33	223.580	0.17	-0.17	2.61
2640.00	0.400	237.560	2638.44	-4.87	-46.33	-44.11	1641285.86	515619.91	39°54'35.272"N	80°39'59.387"W	63.97	223.591	0.19	0.01	27.43
2734.00	0.230	242.290	2732.44	-4.77	-46.59	-44.55	1641285.41	515619.65	39°54'35.269"N	80°39'59.392"W	64.47	223.715	0.18	-0.18	5.03



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Facility	Curry Pad		

WELLPATH DATA (125 stations)

MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Closure Dist	Closure Dir	DLS	Build Rate	Turn Rate
[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[ft S ft]	[ft S ft]			[ft]	[°]	[°/100ft]	[°/100ft]	[°/100ft]
2828.00	0.580	291.410	2826.44	-4.30	-46.51	-45.16	1641284.80	515619.74	39°54'35.270"N	80°39'59.400"W	64.83	224.157	0.49	0.37	52.26
2923.00	0.670	293.430	2921.43	-3.36	-46.11	-46.12	1641283.85	515620.15	39°54'35.274"N	80°39'59.412"W	65.22	225.003	0.10	0.09	2.13
3018.00	0.730	267.740	3016.43	-2.47	-45.92	-47.23	1641282.74	515620.36	39°54'35.276"N	80°39'59.427"W	65.87	225.810	0.33	0.06	-27.04
3112.00	0.850	286.410	3110.42	-1.49	-45.74	-48.50	1641281.47	515620.55	39°54'35.278"N	80°39'59.443"W	66.67	226.676	0.30	0.13	19.86
3207.00	0.590	286.640	3205.41	-0.48	-45.40	-49.64	1641280.33	515620.91	39°54'35.281"N	80°39'59.458"W	67.28	227.555	0.27	-0.27	0.24
3301.00	0.740	285.400	3299.40	0.45	-45.10	-50.69	1641279.29	515621.22	39°54'35.284"N	80°39'59.471"W	67.85	228.339	0.16	0.16	-1.32
3396.00	0.730	291.190	3394.40	1.51	-44.72	-51.85	1641278.14	515621.62	39°54'35.288"N	80°39'59.486"W	68.47	229.221	0.08	-0.01	6.09
3491.00	0.910	293.340	3489.39	2.73	-44.20	-53.11	1641276.89	515622.15	39°54'35.293"N	80°39'59.502"W	69.10	230.226	0.19	0.19	2.26
3586.00	1.220	301.920	3584.37	4.39	-43.37	-54.66	1641275.35	515623.00	39°54'35.301"N	80°39'59.522"W	69.77	231.568	0.37	0.33	9.03
3681.00	1.330	297.000	3679.35	6.39	-42.34	-56.50	1641273.52	515624.06	39°54'35.311"N	80°39'59.546"W	70.60	233.154	0.16	0.12	-5.18
3775.00	1.580	302.230	3773.32	8.66	-41.15	-58.57	1641271.47	515625.28	39°54'35.323"N	80°39'59.572"W	71.58	234.908	0.30	0.27	5.56
3870.00	1.560	304.560	3868.28	11.18	-39.72	-60.74	1641269.31	515626.74	39°54'35.337"N	80°39'59.600"W	72.57	236.819	0.07	-0.02	2.45
3964.00	1.220	301.960	3962.25	13.38	-38.46	-62.64	1641267.43	515628.02	39°54'35.350"N	80°39'59.624"W	73.51	238.450	0.37	-0.36	-2.77
4059.00	1.090	300.050	4057.23	15.22	-37.47	-64.28	1641265.80	515629.03	39°54'35.360"N	80°39'59.645"W	74.41	239.759	0.14	-0.14	-2.01
4153.00	0.940	310.650	4151.22	16.83	-36.52	-65.64	1641264.45	515629.99	39°54'35.380"N	80°39'59.663"W	75.12	240.908	0.26	-0.16	11.28
4247.00	0.930	321.780	4245.21	18.36	-35.42	-67.00	1641263.41	515631.11	39°54'35.380"N	80°39'59.676"W	75.52	242.028	0.19	-0.01	11.84
4341.00	1.070	318.460	4339.19	20.00	-34.17	-67.75	1641262.37	515632.38	39°54'35.392"N	80°39'59.690"W	75.88	243.239	0.16	0.15	-3.53
4436.00	1.110	317.580	4434.18	21.80	-32.82	-68.96	1641261.18	515633.74	39°54'35.405"N	80°39'59.706"W	76.37	244.547	0.05	0.04	-0.93
4530.00	1.300	312.560	4528.15	23.77	-31.43	-70.36	1641259.80	515635.15	39°54'35.419"N	80°39'59.723"W	77.06	245.930	0.23	0.20	-5.34
4625.00	1.690	298.460	4623.12	26.17	-30.03	-72.38	1641257.80	515636.57	39°54'35.433"N	80°39'59.749"W	78.37	247.466	0.56	0.41	-14.84
4718.00	1.960	292.490	4716.07	28.90	-28.77	-75.06	1641255.14	515637.87	39°54'35.446"N	80°39'59.784"W	80.38	249.028	0.35	0.29	-6.42
4812.00	2.140	300.960	4810.01	32.03	-27.25	-78.05	1641252.17	515639.42	39°54'35.461"N	80°39'59.822"W	82.67	250.752	0.37	0.37	9.01
4910.00	2.010	302.040	4907.95	35.43	-25.40	-81.08	1641249.17	515641.32	39°54'35.479"N	80°39'59.863"W	84.96	252.605	0.14	-0.13	1.10
5005.00	1.630	307.910	5002.90	38.36	-23.69	-83.55	1641246.71	515643.06	39°54'35.496"N	80°39'59.893"W	86.85	254.173	0.45	-0.40	6.18
5099.00	1.420	310.380	5096.87	40.83	-22.11	-85.50	1641244.79	515644.66	39°54'35.511"N	80°39'59.918"W	88.31	255.501	0.23	-0.22	2.63
5194.00	1.060	294.370	5191.85	42.80	-20.98	-87.19	1641243.11	515645.81	39°54'35.522"N	80°39'59.940"W	89.68	256.468	0.52	-0.38	-16.85
5268.00	0.900	177.450	5265.84	42.98	-21.28	-87.79	1641242.50	515645.52	39°54'35.520"N	80°39'59.941"W	90.16	255.648	2.04	1.60	-59.08
5320.00	1.730	146.730	5317.83	41.89	-22.35	-87.34	1641242.94	515644.45	39°54'35.509"N	80°39'59.915"W	88.84	253.776	0.60	0.45	-11.92
5415.00	2.160	135.410	5412.77	38.69	-24.82	-85.30	1641244.95	515641.95	39°54'35.485"N	80°39'59.915"W	88.84	253.776	0.60	0.45	-11.92
5509.00	2.160	130.230	5506.71	35.16	-27.23	-82.70	1641247.51	515639.51	39°54'35.461"N	80°39'59.882"W	87.07	251.778	0.21	0.00	-5.51



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WELLPATH DATA (125 stations)

MD	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [ft S ft]	Grid North [ft S ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
5604.00	3.370	125.110	5601.59	30.60	-29.99	-79.05	1641251.13	515636.70	39°54'35.433"N	80°39'59.835"W	84.55	249.225	1.30	1.27	-5.39
5699.00	3.450	120.900	5696.43	25.21	-33.06	-74.31	1641255.83	515633.57	39°54'35.403"N	80°39'59.774"W	81.34	246.016	0.28	0.08	-4.43
5794.00	3.180	112.460	5791.27	20.10	-35.54	-69.43	1641260.68	515631.03	39°54'35.379"N	80°39'59.712"W	77.90	242.893	0.59	-0.28	-8.88
5888.00	2.710	104.040	5885.14	15.90	-37.07	-64.86	1641265.23	515629.43	39°54'35.363"N	80°39'59.653"W	74.71	240.249	0.68	-0.50	-8.96
5983.00	2.520	101.690	5980.04	12.35	-38.04	-60.64	1641269.44	515628.41	39°54'35.354"N	80°39'59.599"W	71.58	237.898	0.23	-0.20	-2.47
6078.00	2.120	87.270	6074.97	9.56	-38.38	-56.84	1641273.23	515628.02	39°54'35.351"N	80°39'59.550"W	68.58	235.970	0.74	-0.42	-15.18
6172.00	1.880	85.660	6168.91	7.51	-38.18	-53.56	1641276.51	515628.18	39°54'35.353"N	80°39'59.508"W	65.78	234.518	0.26	-0.26	-1.71
6267.00	1.680	78.560	6263.86	5.85	-37.79	-50.64	1641279.43	515628.54	39°54'35.356"N	80°39'59.470"W	63.19	233.273	0.31	-0.21	-7.47
6362.00	1.520	80.600	6358.83	4.46	-37.30	-48.04	1641282.05	515628.98	39°54'35.361"N	80°39'59.437"W	60.82	232.167	0.18	-0.17	2.15
6455.00	1.270	80.610	6451.80	3.24	-36.93	-45.80	1641284.28	515629.32	39°54'35.365"N	80°39'59.408"W	58.84	231.118	0.27	-0.27	0.01
6550.00	1.110	75.120	6546.78	2.25	-36.53	-43.87	1641286.22	515629.71	39°54'35.369"N	80°39'59.384"W	57.09	230.222	0.21	-0.17	-5.78
6643.00	1.120	65.200	6639.76	1.57	-35.91	-42.18	1641287.92	515630.30	39°54'35.375"N	80°39'59.362"W	55.40	229.586	0.21	0.01	-10.67
6738.00	1.180	71.480	6734.74	0.91	-35.21	-40.41	1641289.70	515630.98	39°54'35.382"N	80°39'59.339"W	53.60	228.929	0.15	0.06	6.61
6832.00	1.280	84.070	6828.72	-0.10	-34.80	-38.45	1641291.67	515631.37	39°54'35.386"N	80°39'59.314"W	51.86	227.852	0.31	0.11	13.39
6927.00	1.230	92.010	6923.70	-1.43	-34.72	-36.37	1641293.74	515631.41	39°54'35.387"N	80°39'59.287"W	50.29	226.328	0.19	-0.05	8.36
7022.00	1.160	89.990	7018.68	-2.79	-34.76	-34.39	1641295.72	515631.35	39°54'35.386"N	80°39'59.262"W	48.90	224.695	0.09	-0.07	-2.13
7116.00	1.610	93.160	7112.65	-4.36	-34.83	-32.12	1641297.99	515631.25	39°54'35.385"N	80°39'59.233"W	47.38	222.681	0.49	0.48	3.37
7211.00	1.800	91.160	7207.61	-6.33	-34.94	-29.30	1641300.81	515631.11	39°54'35.385"N	80°39'59.197"W	45.59	219.983	0.21	0.20	-2.11
7305.00	1.860	87.390	7301.56	-8.31	-34.90	-26.30	1641303.81	515631.11	39°54'35.385"N	80°39'59.158"W	43.70	217.001	0.14	0.06	-4.01
7400.00	1.240	116.790	7396.53	-10.24	-35.29	-23.84	1641306.27	515630.68	39°54'35.381"N	80°39'59.127"W	42.59	214.040	1.04	-0.65	30.95
7494.00	1.270	124.480	7490.50	-12.21	-36.34	-22.07	1641308.02	515629.61	39°54'35.371"N	80°39'59.104"W	42.52	211.276	0.18	0.03	8.18
7589.00	1.850	133.640	7585.47	-14.76	-37.99	-20.10	1641309.97	515627.93	39°54'35.354"N	80°39'59.078"W	42.98	207.876	0.66	0.61	9.64
7683.00	1.540	126.490	7679.43	-17.51	-39.79	-17.98	1641312.06	515626.11	39°54'35.337"N	80°39'59.051"W	43.67	204.319	0.40	-0.33	-7.61
7778.00	1.540	155.630	7774.39	-19.98	-41.71	-16.43	1641313.59	515624.17	39°54'35.318"N	80°39'59.031"W	44.83	201.497	0.82	0.00	30.67
7873.00	1.790	154.340	7869.35	-22.62	-44.21	-15.26	1641314.73	515621.65	39°54'35.292"N	80°39'59.016"W	46.77	199.041	0.27	0.26	-1.36
7968.00	1.780	160.280	7964.31	-25.41	-46.94	-14.12	1641315.83	515618.91	39°54'35.266"N	80°39'59.002"W	49.02	196.741	0.19	-0.01	6.25
8062.00	1.600	178.720	8058.27	-27.75	-49.63	-13.60	1641316.32	515616.22	39°54'35.239"N	80°39'58.995"W	51.45	195.323	0.61	-0.19	19.62
8156.00	1.890	195.270	8152.22	-29.58	-52.43	-13.98	1641315.91	515613.42	39°54'35.212"N	80°39'59.000"W	54.26	194.925	0.62	0.31	17.61
8251.00	2.080	200.860	8247.17	-31.21	-55.56	-15.00	1641314.84	515610.31	39°54'35.181"N	80°39'59.013"W	57.55	195.112	0.29	0.20	5.88
8346.00	1.940	208.550	8342.11	-32.53	-58.58	-16.39	1641313.42	515607.30	39°54'35.151"N	80°39'59.031"W	60.83	195.627	0.32	-0.15	8.09



Actual Wellpath Report

Curry 8H AWP Proj: 11720'

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REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #08
Area	Marshall County, WV	Well	Curry 8H Pilot
Field	Marshall County	Wellbore	Curry 8H AWB
Facility	Curry Pad		

WELLPATH DATA (125 stations)

MDI	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	Chore Dist	Chore Dir	DLS	Build Rate	Turn Rate
ft	°	°	ft	ft	ft	ft	ft S ft	ft S ft			ft	°	ft/100ft	ft/100ft	ft/100ft
8441.00	2.110	213.100	8437.05	-33.52	-61.46	-18.11	1641311.66	515604.45	39°54'35.123"N	80°39'59.053"W	64.07	196.418	0.25	0.18	4.79
8535.00	2.120	223.620	8530.99	-34.09	-64.16	-20.25	1641309.48	515601.77	39°54'35.096"N	80°39'59.080"W	67.28	197.518	0.41	0.01	11.19
8630.00	2.430	227.390	8625.91	-34.24	-66.80	-22.95	1641306.75	515599.17	39°54'35.070"N	80°39'59.115"W	70.63	198.959	0.36	0.33	3.97
8726.00	2.600	227.040	8721.82	-34.30	-69.66	-26.04	1641303.62	515596.35	39°54'35.041"N	80°39'59.155"W	74.37	200.495	0.18	0.18	-0.36
8945.00	1.160	264.800	8940.70	-33.05	-73.25	-31.88	1641297.73	515592.84	39°54'35.006"N	80°39'59.230"W	79.89	203.522	0.83	-0.66	17.24
9015.00	0.770	297.160	9010.69	-32.19	-73.10	-33.01	1641296.61	515593.00	39°54'35.007"N	80°39'59.244"W	80.20	204.301	0.94	-0.56	46.23
9101.00	0.830	304.840	9104.68	-30.93	-72.42	-34.13	1641295.50	515593.69	39°54'35.014"N	80°39'59.259"W	80.06	205.232	0.13	0.06	8.17
9204.00	0.890	303.510	9199.67	-29.55	-71.62	-35.31	1641294.33	515594.51	39°54'35.022"N	80°39'59.274"W	79.85	206.242	0.07	0.06	-1.40
9299.00	0.910	301.600	9294.66	-28.11	-70.82	-36.56	1641293.08	515595.33	39°54'35.030"N	80°39'59.290"W	79.70	207.308	0.04	0.02	-2.01
9392.00	1.070	296.530	9387.65	-26.59	-70.04	-37.97	1641291.69	515596.12	39°54'35.038"N	80°39'59.308"W	79.67	208.463	0.20	0.17	-5.45
9487.00	1.060	295.370	9482.63	-24.95	-69.27	-39.56	1641290.11	515596.91	39°54'35.045"N	80°39'59.328"W	79.92	209.730	0.03	-0.01	-1.22
9582.00	0.760	292.990	9577.62	-23.57	-68.65	-40.93	1641288.74	515597.55	39°54'35.051"N	80°39'59.346"W	79.92	210.806	0.32	-0.32	-2.51
9676.00	0.650	293.580	9671.61	-22.52	-68.19	-41.99	1641287.69	515598.02	39°54'35.056"N	80°39'59.360"W	80.08	211.627	0.12	-0.12	0.63
9771.00	0.640	293.210	9766.61	-21.55	-67.77	-42.98	1641286.71	515598.46	39°54'35.060"N	80°39'59.372"W	80.24	212.382	0.01	-0.01	-0.39
9866.00	0.470	285.600	9861.60	-20.74	-67.45	-43.84	1641285.85	515598.79	39°54'35.063"N	80°39'59.383"W	80.45	213.021	0.19	-0.18	-8.01
9961.00	0.380	281.430	9956.60	-20.16	-67.28	-44.52	1641285.17	515598.96	39°54'35.065"N	80°39'59.392"W	80.68	213.493	0.10	-0.09	-4.39
10055.00	0.440	281.850	10050.60	-19.61	-67.15	-45.18	1641284.51	515599.11	39°54'35.066"N	80°39'59.400"W	80.93	213.935	0.06	0.06	0.45
10150.00	0.500	281.660	10145.59	-18.98	-66.99	-45.94	1641283.75	515599.28	39°54'35.068"N	80°39'59.410"W	81.23	214.444	0.06	0.06	-0.20
10244.00	0.620	267.110	10239.59	-18.33	-66.93	-46.85	1641282.84	515599.34	39°54'35.068"N	80°39'59.422"W	81.70	214.993	0.20	0.13	-15.48
10339.00	0.760	277.810	10334.58	-17.53	-66.87	-47.99	1641281.71	515599.42	39°54'35.069"N	80°39'59.436"W	82.31	215.665	0.20	0.15	11.26
10432.00	0.980	284.450	10427.57	-16.39	-66.59	-49.37	1641280.33	515599.72	39°54'35.072"N	80°39'59.454"W	82.90	216.555	0.26	0.24	7.14
10527.00	1.090	287.550	10522.56	-14.94	-66.12	-51.02	1641278.69	515600.22	39°54'35.076"N	80°39'59.475"W	83.51	217.657	0.13	0.12	3.26
10621.00	1.250	287.870	10616.54	-13.28	-65.53	-52.85	1641276.87	515600.82	39°54'35.082"N	80°39'59.499"W	84.19	218.886	0.17	0.17	0.34
10716.00	1.200	290.960	10711.51	-11.49	-64.86	-54.76	1641274.96	515601.52	39°54'35.089"N	80°39'59.523"W	84.89	220.177	0.09	-0.05	3.25
10811.00	1.310	286.820	10806.49	-9.68	-64.19	-56.73	1641273.00	515602.22	39°54'35.096"N	80°39'59.549"W	85.67	221.473	0.15	0.12	-4.36
10906.00	1.260	290.920	10901.47	-7.82	-63.50	-58.75	1641270.99	515603.95	39°54'35.102"N	80°39'59.574"W	86.51	222.774	0.11	-0.05	4.32
11000.00	1.190	289.350	10995.45	-6.04	-62.81	-60.63	1641269.12	515605.65	39°54'35.109"N	80°39'59.599"W	87.30	223.992	0.08	-0.07	-1.67
11095.00	1.320	293.690	11090.42	-4.18	-62.04	-62.57	1641267.20	515604.44	39°54'35.117"N	80°39'59.624"W	88.11	225.242	0.17	0.14	4.57
11190.00	1.420	305.230	11185.40	-2.03	-60.92	-64.53	1641265.25	515605.58	39°54'35.128"N	80°39'59.649"W	88.75	226.648	0.31	0.11	12.15
11284.00	1.460	308.640	11279.37	0.29	-59.50	-66.42	1641263.38	515607.03	39°54'35.142"N	80°39'59.673"W	89.17	228.143	0.10	0.04	3.63



Actual Wellpath Report

Curry 8H AWP Proj: 11720'
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REFERENCE WELLPATH IDENTIFICATION

Operator	CHEVRON APPALACHIA, LLC	Slot	Slot #08
Area	Marshall County, WV	Well	Curry 8H Pilot
Field	Marshall County	Wellbore	Curry 8H AWB
Facility	Curry Pad		

WELLPATH DATA (125 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TYD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [ft]	Grid North [ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [ft/100ft]	Build Rate [ft/100ft]	Turn Rate [ft/100ft]
11379.00	1.420	309.120	11374.34	2.64	-58.00	-68.28	1641261.54	515608.55	39°54'35.157"N	80°39'59.697"W	89.59	229.650	0.04	-0.04	0.51
11473.00	1.370	309.660	11468.31	4.91	-56.55	-70.05	1641259.79	515610.02	39°54'35.171"N	80°39'59.719"W	90.03	231.084	0.05	-0.05	0.57
11567.00	1.490	305.490	11562.28	7.21	-55.13	-71.91	1641257.95	515611.47	39°54'35.185"N	80°39'59.743"W	90.60	232.525	0.17	0.13	-4.44
11648.00	1.610	299.290	11643.25	9.32	-53.96	-73.76	1641256.11	515612.67	39°54'35.197"N	80°39'59.767"W	91.39	233.812	0.25	0.15	-7.65
11720.00	1.610	299.290	11715.22	11.23	-52.97	-75.52	1641254.36	515613.68	39°54'35.206"N	80°39'59.790"W	92.24	234.955	0.00	0.00	0.00

SOLE & CASING SECTIONS - Ref Wellbore: Curry 8H AWB Ref Wellpath: Curry 8H AWP Proj: 11720'

String/Diameter	Start MID [ft]	End MID [ft]	Interval [ft]	Start TYD [ft]	End TYD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
30in Conductor	32.00	112.00	80.00	32.00	112.00	0.00	0.00	0.00	0.00
20in Casing Surface	32.00	907.00	875.00	32.00	907.00	0.00	0.00	0.66	-1.00

TARGETS

Name	MID [ft]	TYD [ft]	North [ft]	East [ft]	Grid East [ft]	Grid North [ft]	Latitude	Longitude	Shape
Curry Pad Revised Buffer		6900.00	-17.65	20.33	1641350.66	515647.75	39°54'35.555"N	80°39'58.560"W	polygon
Curry Pad Revised LL		7000.00	-17.65	20.33	1641350.66	515647.75	39°54'35.555"N	80°39'58.560"W	polygon

WELLPATH COMPOSITION - Ref Wellbore: Curry 8H AWB Ref Wellpath: Curry 8H AWP Proj: 11720'

Start MID [ft]	End MID [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
32.00	2142.00	Generic gyro - northseeking (Standard)	03 Gyrodatta MS Gyro <17-1/2"> (100-21110)	Curry 8H AWB
2142.00	8726.00	NavitTrak (MagCort)	04 BHM MWD <12-1/4"> (2142N, 2261E, 8726) Proj: 8945'	Curry 8H AWB
8726.00	11648.00	NavitTrak (MagCort)	05 BHM MWD <8-1/2"> (8726N, 8945E, 11648)	Curry 8H AWB
11648.00	11720.00	Blind Drilling (std)	Projection to bit	Curry 8H AWB