

ACTUAL WELLPATH REPORT (CSV version)

Prepared by Baker Hughes

Software System: WellArchitect® 4.0.1

REFERENCE WELLPATH IDENTIFICATION

Operator CHEVRON APPALACHIA, LLC

Area Marshall County, WV

Field Marshall County

Facility Curry Pad

Slot Slot #05

Well Curry 5H

Wellbore Curry 5H AWB

Wellpath Curry 5H AWP Proj: 2223'

Sidetrack (none)

REPORT SETUP INFORMATION

Projection: NAD83 / Lambert West Virginia SP, Northern Zone (4701), US feet

North Refe TRUE

Scale 0.999953

Convergence n/a

Software System WellArchitect® 4.0.1

User Edsaryar

Report Generated 05/Jan/2016 at 16:56

Database Path WA_MPL_EASTERNUS_Defn/ev248249.xml

WELLPATH	Local North [ft]	Local East [ft]	Easting [US ft]	Northing [US ft]	Latitude	Longitude
Slot Location	18.31	35.57	1641386	515665.6	39°54'35.7"	80°39'58.103"W
Facility Reference			1641351	515647.8	39°54'35.5"	80°39'58.560"W
Field Reference			1644569	516963.8	39°54'48.9"	80°39'17.476"W

WELLPATH DATUM

Calculation Minimum curvature

Horizontal Slot

Vertical Reference Nabors X07 (RKB)

MD Reference Nabors X07 (RKB)

Field Vertical Mean Sea Level

Nabors X07 32.00ft

Nabors X07 1352.00ft

Nabors X07 32.00ft

Section Orientation N 0.00, E 0.00 ft

Section Azimuth 144.98°

RECEIVED
Office of Oil and Gas

JAN 08 2016

WV Department of
Environmental Protection

WELLPATH DATA † = interpolated/extrapolated station

	MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure [ft]	Dis [°]	Closure Dir [°/100ft]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
†	0	0	170.54	0	0	0	0	1641386	515665.6	39°54'35.7" 80°39'58.1"		0	0	0	0	0	0
	32	0	170.54	32	0	0	0	1641386	515665.6	39°54'35.7" 80°39'58.1"		0	0	0	0	0	0
	132	0.61	170.54	132	0.48	-0.53	0.09	1641387	515665.1	39°54'35.7" 80°39'58.1"		0.53	170.54	0.61	0.61	0.61	0
	232	0.63	165.08	231.99	1.48	-1.58	0.32	1641387	515664	39°54'35.7" 80°39'58.0"		1.61	168.681	0.06	0.02	-5.46	
	332	0.45	194.18	331.99	2.25	-2.49	0.36	1641387	515663.1	39°54'35.7" 80°39'58.0"		2.52	171.742	0.32	-0.18	29.1	
	432	0.32	226.19	431.99	2.55	-3.07	0.06	1641386	515662.5	39°54'35.7" 80°39'58.1"		3.07	178.802	0.25	-0.13	32.01	
	532	0.36	259.23	531.98	2.46	-3.32	-0.45	1641386	515662.3	39°54'35.7" 80°39'58.1"		3.35	187.652	0.2	0.04	33.04	
	632	0.21	229.06	631.98	2.35	-3.5	-0.89	1641386	515662.1	39°54'35.7" 80°39'58.1"		3.61	194.321	0.21	-0.15	-30.17	
	732	0.21	216.29	731.98	2.43	-3.77	-1.14	1641385	515661.9	39°54'35.6" 80°39'58.1"		3.93	196.841	0.05	0	-12.77	
	832	0.18	164.32	831.98	2.64	-4.06	-1.21	1641385	515661.6	39°54'35.6" 80°39'58.1"		4.24	196.524	0.17	-0.03	-51.97	
	845	0.11	150.62	844.98	2.67	-4.1	-1.19	1641385	515661.5	39°54'35.6" 80°39'58.1"		4.27	196.257	0.6	-0.54	-105.38	
	919	0.32	143.81	918.98	2.95	-4.32	-1.04	1641385	515661.3	39°54'35.6" 80°39'58.1"		4.45	193.491	0.29	0.28	-9.2	
	958	0.41	150.24	957.98	3.19	-4.53	-0.9	1641386	515661.1	39°54'35.6" 80°39'58.1"		4.62	191.276	0.25	0.23	16.49	
	1051	2.42	135.64	1050.95	5.46	-6.23	0.63	1641387	515659.4	39°54'35.6" 80°39'58.0"		6.26	174.184	2.18	2.16	-15.7	
	1146	5.17	132.23	1145.73	11.62	-10.54	5.21	1641392	515655	39°54'35.6" 80°39'58.0"		11.75	153.706	2.9	2.89	-3.59	
	1240	6.39	130.53	1239.25	20.81	-16.78	12.32	1641399	515648.7	39°54'35.5" 80°39'57.9"		20.82	143.722	1.31	1.3	-1.81	
	1335	4.65	135.55	1333.81	29.73	-22.97	19.03	1641405	515642.4	39°54'35.5" 80°39'57.8"		29.83	140.351	1.9	-1.83	5.28	
	1430	3.78	145.31	1428.55	36.66	-28.29	23.51	1641410	515637	39°54'35.4" 80°39'57.8"		36.79	140.271	1.18	-0.92	10.27	
	1524	2.74	146.5	1522.4	42.01	-32.71	26.52	1641413	515632.6	39°54'35.4" 80°39'57.7"		42.11	140.973	1.11	-1.11	1.27	
	1618	0.98	146.09	1616.34	45.06	-35.25	28.21	1641414	515630	39°54'35.3" 80°39'57.7"		45.15	141.339	1.87	-1.87	-0.44	
	1714	0.25	163.18	1712.34	46.08	-36.14	28.72	1641415	515629.1	39°54'35.3" 80°39'57.7"		46.16	141.52	0.78	-0.76	17.8	
	1809	0.47	201.59	1807.34	46.49	-36.7	28.64	1641415	515628.5	39°54'35.3" 80°39'57.7"		46.55	142.029	0.33	0.23	40.43	
	1903	0.71	191.95	1901.33	47.1	-37.63	28.38	1641414	515627.6	39°54'35.3" 80°39'57.7"		47.13	142.975	0.28	0.26	-10.26	
	1998	0.91	192.77	1996.32	48.01	-38.94	28.09	1641414	515626.3	39°54'35.3" 80°39'57.7"		48.01	144.193	0.21	0.21	0.86	
	2093	1.02	176.98	2091.31	49.23	-40.52	27.97	1641414	515624.7	39°54'35.3" 80°39'57.7"		49.23	145.384	0.3	0.12	-16.62	
	2160	1.07	164.91	2158.3	50.32	-41.72	28.16	1641414	515623.5	39°54'35.3" 80°39'57.7"		50.33	145.978	0.34	0.07	-18.01	
	2223	1.07	164.91	2221.29	51.43	-42.85	28.47	1641414	515622.4	39°54'35.3" 80°39'57.7"		51.45	146.403	0	0	0	

HOLE AND CASING SECTIONS Ref Wellbore: Curry SH AWB Ref Wellpath: Curry SH AWP Proj: 2223'

String/Dian	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
30in Condu	32	112	80	32	112	0	0	-0.34	0.06
20in Casing	32	442	410	32	441.99	0	0	-3.1	0.02
13.375in Ci	32	903	871	32	902.98	0	0	-4.26	-1.09

T A R G E T S

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape	Comment
Curry SH LP Rev-2		6575	-30.14	1148.82	1642535	515620.6	39°54'35.4" 80°39'43.3"		point	
Curry SH LP Plat		6579	136.31	1032.14	1642420	515788.5	39°54'37.0" 80°39'44.8"		point	
Curry SH LP Rev-1		6579	31.75	1105.45	1642492	515683	39°54'36.0" 80°39'43.9"		point	

Curry 5H WP1 Rev-1	6594.02	-849.01	1722.6	1643098	514794.3	39°54'27.3"	80°39'35.9"	point
Curry 5H WP2 Rev-1	6609.38	-1749.79	2353.78	1643717	513885.5	39°54'18.4"	80°39'27.9"	point
Curry 5H WP3 Rev-1	6611.74	-2159.23	2640.67	1643999	513472.4	39°54'14.3"	80°39'24.2"	point
Curry 5H WP4 Rev-1	6631.22	-2732.44	3042.32	1644393	512894	39°54'08.7"	80°39'19.0"	point
Curry 5H BHL Rev-1	6633.98	-5127.51	4720.55	1646040	510477.5	39°53'45.0"	80°38'57.5"	point
Curry 5H WP5 Rev-1	6641.94	-3223.78	3386.6	1644731	512398.3	39°54'03.8"	80°39'14.6"	point
Curry 5H WP6 Rev-1	6653.44	-4206.44	4075.15	1645406	511406.8	39°53'54.1"	80°39'05.8"	point
Curry 5H BHL Rev-3	6666.41	-5094.76	4697.6	1646017	510510.6	39°53'45.3"	80°38'57.8"	point
Curry Pad Revised Buff	6900	-18.31	-35.57	1641351	515647.8	39°54'35.5"	80°39'58.5"	polygon
Curry Pad Revised LL	7000	-18.31	-35.57	1641351	515647.8	39°54'35.5"	80°39'58.5"	polygon

WELLPATH COMPOSITION Ref Wellbore: Curry 5H AWB Ref Wellpath: Curry 5H AWP Proj: 2223'

Log Name/	Start MD	End MD	Pos Unc	Model
	[ft]	[ft]		
01_Gyroda	32	845		Generic gyro - northseeking (Standard)
02_BHI MV	845	2160		NaviTrak (MagCorr)
Projection	2160	2223		Blind Drilling (std)

RECEIVED
Office of Oil and Gas

JAN 08 2016

WV Department of
Environmental Protection