



Actual Wellpath Report

Breckenridge S-9HM AWP Proj: 15122'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-9HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02430-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-9HM AWB
Slot	Slot #09		

REPORT SETUP INFORMATION

Projection System	NAD83 / UTM Zone 17 North, US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Edsaryar
Scale	0.999613	Report Generated	11/18/2024 at 1:03:30 PM
Convergence at slot	0.24° East	Database	WA_MPL_EASTERNUS_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	13.56	-58.46	1745149.95	14465166.02	39°49'49.1578"N	80°37'36.9941"W
Facility Reference Pt			1745208.39	14465152.47	39°49'49.0215"N	80°37'36.2455"W
Field Reference Pt			1640416.67	14526733.48	40°00'0.0000"N	81°00'0.0000"W

WELLPATH DATUM

Calculation method	Minimum curvature	Patterson 294 (RKB) to Facility Vertical Datum	1398.00ft
Horizontal Reference Pt	Slot	Patterson 294 (RKB) to Mean Sea Level	1398.00ft
Vertical Reference Pt	Patterson 294 (RKB)	Patterson 294 (RKB) to Ground Level at Slot (Slot #09)	28.00ft
MD Reference Pt	Patterson 294 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	166.70°

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Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02430-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-9HM AWB
Slot	Slot #09		

WELLPATH DATA (222 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)	Latitude	Longitude	Closure Dist (ft)	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Flag [°/100ft]
0.00†	0.000	238.330	0.00	0.00	0.00	0.00	1745149.95	14465166.02	39°49'49.1578"N	80°37'36.9941"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	238.330	28.00	0.00	0.00	0.00	1745149.95	14465166.02	39°49'49.1578"N	80°37'36.9941"W	0.00	0.000	0.00	0.00	0.00
206.00	0.240	238.330	206.00	0.12	-0.20	-0.32	1745149.63	14465165.82	39°49'49.1559"N	80°37'36.9982"W	0.37	238.330	0.13	-0.13	0.00
234.00	0.370	273.130	234.00	0.11	-0.22	-0.48	1745149.49	14465165.80	39°49'49.1557"N	80°37'37.0000"W	0.51	244.158	0.79	0.46	124.29
263.00	0.460	267.860	263.00	0.06	-0.22	-0.67	1745149.28	14465165.80	39°49'49.1557"N	80°37'37.0027"W	0.70	251.690	0.34	0.31	-16.17
292.00	0.410	237.050	292.00	0.07	-0.28	-0.87	1745149.08	14465165.74	39°49'49.1551"N	80°37'37.0053"W	0.92	252.078	0.81	-0.17	-105.27
322.00	0.650	299.860	322.00	-0.01	-0.26	-1.11	1745148.84	14465165.76	39°49'49.1553"N	80°37'37.0084"W	1.14	257.031	1.96	0.80	209.37
353.00	0.510	278.600	352.99	-0.18	-0.15	-1.40	1745148.55	14465165.87	39°49'49.1564"N	80°37'37.0121"W	1.40	263.991	0.82	-0.45	-68.58
365.00	0.710	295.140	364.99	-0.35	-0.04	-1.72	1745148.23	14465165.98	39°49'49.1575"N	80°37'37.0162"W	1.72	268.614	0.83	0.63	51.69
416.00	0.680	283.800	415.99	-0.56	0.08	-2.06	1745147.89	14465166.10	39°49'49.1587"N	80°37'37.0208"W	2.07	272.292	0.47	-0.16	-36.20
448.00	0.440	292.310	447.99	-0.71	0.17	-2.36	1745147.59	14465166.19	39°49'49.1596"N	80°37'37.0244"W	2.36	274.203	0.73	-0.69	20.58
479.00	0.560	316.030	478.99	-0.91	0.33	-2.57	1745147.38	14465166.35	39°49'49.1612"N	80°37'37.0271"W	2.59	277.253	0.76	0.39	76.52
511.00	0.260	280.890	510.99	-1.07	0.45	-2.75	1745147.20	14465166.47	39°49'49.1624"N	80°37'37.0294"W	2.79	279.360	1.18	-0.94	-109.61
542.00	0.280	278.040	541.99	-1.13	0.48	-2.90	1745147.05	14465166.50	39°49'49.1627"N	80°37'37.0313"W	2.94	279.362	0.08	0.06	-9.11
574.00	0.090	278.590	573.99	-1.17	0.49	-3.00	1745146.95	14465166.51	39°49'49.1628"N	80°37'37.0326"W	3.04	279.306	0.59	-0.59	-4.50
606.00	0.070	306.010	605.99	-1.19	0.51	-3.04	1745146.91	14465166.53	39°49'49.1629"N	80°37'37.0331"W	3.08	279.447	0.14	-0.06	81.94
637.00	0.200	36.260	636.99	-1.24	0.56	-3.02	1745146.93	14465166.58	39°49'49.1635"N	80°37'37.0329"W	3.07	280.504	0.68	0.42	291.10
669.00	0.540	20.590	668.99	-1.40	0.75	-2.94	1745147.01	14465166.77	39°49'49.1653"N	80°37'37.0318"W	3.03	284.265	1.10	1.06	-48.07
701.00	0.640	20.710	700.98	-1.68	1.06	-2.82	1745147.13	14465167.07	39°49'49.1684"N	80°37'37.0302"W	3.01	290.507	0.31	0.31	0.37
733.00	0.740	12.410	732.98	-2.01	1.42	-2.71	1745147.24	14465167.44	39°49'49.1720"N	80°37'37.0289"W	3.08	297.693	0.44	0.31	-25.94
765.00	0.750	19.420	764.98	-2.36	1.81	-2.60	1745147.35	14465167.83	39°49'49.1758"N	80°37'37.0274"W	3.17	304.856	0.29	-0.09	21.91
796.00	0.830	22.220	795.98	-2.71	2.20	-2.45	1745147.50	14465168.22	39°49'49.1797"N	80°37'37.0255"W	3.30	311.898	0.41	0.39	9.00
827.00	0.850	5.360	826.97	-3.11	2.64	-2.35	1745147.60	14465168.66	39°49'49.1840"N	80°37'37.0241"W	3.53	318.338	0.80	0.06	-54.31
859.00	0.570	19.230	858.97	-3.47	3.03	-2.27	1745147.68	14465169.04	39°49'49.1878"N	80°37'37.0231"W	3.78	323.078	1.02	-0.87	43.34
891.00	0.530	6.280	890.97	-3.74	3.32	-2.20	1745147.75	14465169.34	39°49'49.1907"N	80°37'37.0222"W	3.99	326.436	0.41	-0.12	-40.47
923.00	0.320	17.300	922.97	-3.96	3.56	-2.16	1745147.79	14465169.57	39°49'49.1930"N	80°37'37.0217"W	4.16	328.696	0.70	-0.66	34.44
954.00	0.380	13.150	953.97	-4.12	3.74	-2.11	1745147.84	14465169.76	39°49'49.1948"N	80°37'37.0210"W	4.29	330.524	0.21	0.19	-13.39
986.00	0.260	9.090	985.97	-4.29	3.91	-2.08	1745147.87	14465169.93	39°49'49.1966"N	80°37'37.0206"W	4.43	332.039	0.38	-0.37	-12.69
1017.00	0.230	9.170	1016.97	-4.41	4.04	-2.06	1745147.89	14465170.06	39°49'49.1979"N	80°37'37.0203"W	4.54	333.049	0.10	-0.10	0.26
1049.00	0.280	31.730	1048.97	-4.52	4.17	-2.00	1745147.95	14465170.19	39°49'49.1992"N	80°37'37.0196"W	4.63	334.344	0.35	0.16	70.50

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Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-9HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02430-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-9HM AWB
Slot	Slot #09		

WELLPATH DATA (222 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
1080.00	0.370	65.680	1079.97	-4.60	4.28	-1.87	1745148.08	14465170.30	39°49'49.2002"N	80°37'37.0179"W	4.67	336.354	0.67	0.29	109.62
1112.00	0.560	47.650	1111.97	-4.69	4.43	-1.66	1745148.29	14465170.45	39°49'49.2016"N	80°37'37.0152"W	4.73	339.402	0.74	0.59	-56.34
1144.00	0.530	47.090	1143.96	-4.84	4.63	-1.44	1745148.51	14465170.65	39°49'49.2037"N	80°37'37.0124"W	4.85	342.736	0.10	-0.09	-1.75
1207.00	0.670	32.960	1206.96	-5.24	5.14	-1.03	1745148.92	14465171.16	39°49'49.2087"N	80°37'37.0070"W	5.24	348.712	0.32	0.22	-2.47
1239.00	0.520	49.440	1238.96	-5.43	5.39	-0.81	1745149.14	14465171.41	39°49'49.2111"N	80°37'37.0043"W	5.45	351.415	0.71	-0.47	-61.80
1270.00	0.510	105.670	1269.96	-5.43	5.45	-0.57	1745149.38	14465171.46	39°49'49.2117"N	80°37'37.0012"W	5.48	353.980	1.57	-0.03	101.29
1302.00	0.740	151.360	1301.96	-5.16	5.23	-0.34	1745149.61	14465171.24	39°49'49.2095"N	80°37'36.9982"W	5.24	356.298	1.65	0.72	142.76
1334.00	0.870	154.960	1333.95	-4.73	4.83	-0.14	1745149.81	14465170.84	39°49'49.2055"N	80°37'36.9956"W	4.83	358.382	0.44	0.41	11.25
1365.00	1.050	170.300	1364.95	-4.21	4.33	0.01	1745149.96	14465170.35	39°49'49.2006"N	80°37'36.9938"W	4.33	0.148	1.01	0.58	40.48
1397.00	1.110	168.030	1396.94	-3.61	3.74	0.12	1745150.07	14465169.76	39°49'49.1948"N	80°37'36.9923"W	3.74	1.912	0.23	0.19	-7.09
1428.00	0.950	157.630	1427.94	-3.06	3.21	0.28	1745150.23	14465169.23	39°49'49.1895"N	80°37'36.9903"W	3.22	5.075	0.79	-0.52	-33.53
1460.00	0.520	122.160	1459.94	-2.69	2.89	0.51	1745150.46	14465168.90	39°49'49.1863"N	80°37'36.9875"W	2.93	10.000	1.90	-1.34	-110.84
1492.00	0.510	102.890	1491.93	-2.52	2.78	0.77	1745150.72	14465168.80	39°49'49.1852"N	80°37'36.9841"W	2.88	15.511	0.54	-0.03	-0.22
1523.00	0.660	97.880	1522.93	-2.40	2.72	1.08	1745151.03	14465168.74	39°49'49.1847"N	80°37'36.9801"W	2.93	21.582	0.51	0.48	-16.16
1555.00	0.650	87.630	1554.93	-2.30	2.70	1.45	1745151.40	14465168.72	39°49'49.1845"N	80°37'36.9755"W	3.07	28.138	0.37	-0.03	-32.08
1586.00	0.400	129.660	1585.93	-2.18	2.64	1.70	1745151.65	14465168.66	39°49'49.1839"N	80°37'36.9722"W	3.14	32.836	1.43	-0.81	135.28
1618.00	0.690	185.820	1617.93	-1.91	2.38	1.77	1745151.72	14465168.40	39°49'49.1813"N	80°37'36.9713"W	2.97	38.672	1.79	0.91	175.50
1650.00	1.290	208.100	1649.92	-1.46	1.87	1.58	1745151.53	14465167.89	39°49'49.1762"N	80°37'36.9738"W	2.45	40.242	2.19	1.87	69.67
1681.00	2.260	218.300	1680.91	-0.81	1.08	1.04	1745150.99	14465167.10	39°49'49.1685"N	80°37'36.9808"W	1.50	43.840	3.28	3.13	32.00
1713.00	2.710	224.540	1712.88	-0.02	0.05	0.12	1745150.07	14465166.07	39°49'49.1583"N	80°37'36.9926"W	0.13	67.944	1.64	1.41	19.50
1744.00	3.160	223.610	1743.84	0.84	-1.09	-0.99	1745148.96	14465164.93	39°49'49.1471"N	80°37'37.0068"W	1.47	222.044	1.46	1.45	-3.00
1776.00	3.690	226.430	1775.78	1.84	-2.44	-2.34	1745147.61	14465163.58	39°49'49.1338"N	80°37'37.0243"W	3.38	223.787	1.74	1.60	8.61
1807.00	4.310	229.280	1806.70	2.88	-3.89	-3.95	1745146.01	14465162.13	39°49'49.1195"N	80°37'37.0449"W	5.54	225.416	2.10	2.00	6.11
1839.00	4.540	229.110	1838.61	4.02	-5.50	-5.81	1745144.14	14465160.52	39°49'49.1037"N	80°37'37.0690"W	8.01	226.580	0.72	0.72	-0.53
1870.00	5.060	226.640	1869.50	5.27	-7.24	-7.74	1745142.22	14465158.78	39°49'49.0865"N	80°37'37.0937"W	10.60	226.880	1.50	1.68	-7.97
1902.00	5.250	224.030	1901.37	6.77	-9.27	-9.78	1745140.17	14465156.76	39°49'49.0667"N	80°37'37.1200"W	13.47	226.546	0.94	0.59	-8.16
1934.00	5.650	219.130	1933.23	8.52	-11.54	-11.79	1745138.16	14465154.48	39°49'49.0443"N	80°37'37.1459"W	16.50	225.616	1.92	1.25	-15.31
1966.00	5.870	216.620	1965.06	10.53	-14.08	-13.76	1745136.19	14465151.95	39°49'49.0193"N	80°37'37.1713"W	19.69	224.354	1.05	0.69	-7.04
1997.00	6.070	216.540	1995.90	12.61	-16.67	-15.68	1745134.27	14465149.36	39°49'48.9938"N	80°37'37.1961"W	22.88	223.262	0.65	0.65	-0.27
2029.00	6.210	214.570	2027.71	14.86	-19.45	-17.67	1745132.28	14465146.58	39°49'48.9663"N	80°37'37.2217"W	26.28	222.260	0.79	0.44	-6.16

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Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02430-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-9HM AWE
Slot	Slot #09		

WELLPATH DATA (222 stations)

MD (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2080.00	6.500	214.700	2058.52	17.16	-22.27	-19.62	1745130.33	14465143.76	39°49'48.9385"N	80°37'37.2469"W	29.68	221.381	0.94	0.94	0.00
2092.00	6.790	212.380	2090.31	19.69	-25.36	-21.67	1745128.29	14465140.67	39°49'48.9081"N	80°37'37.2732"W	33.36	220.511	1.23	0.91	-3.20
2124.00	7.000	213.550	2122.07	22.36	-28.60	-23.77	1745126.19	14465137.44	39°49'48.6762"N	80°37'37.3003"W	37.18	219.731	0.95	0.84	-3.60
2155.00	7.090	214.200	2152.84	24.96	-31.77	-25.90	1745124.06	14465134.27	39°49'48.6450"N	80°37'37.3278"W	40.98	219.186	0.28	0.10	-2.00
2187.00	6.500	216.530	2184.61	27.45	-34.85	-28.09	1745121.87	14465131.18	39°49'48.8146"N	80°37'37.3561"W	44.78	218.871	2.08	-1.64	-6.22
2218.00	6.420	216.030	2215.42	29.71	-37.66	-30.17	1745119.79	14465128.37	39°49'48.7869"N	80°37'37.3828"W	48.25	218.695	0.33	-0.16	-2.58
2250.00	6.410	219.060	2247.21	31.97	-40.50	-32.35	1745117.61	14465125.53	39°49'48.7589"N	80°37'37.4110"W	51.84	218.615	1.07	-0.13	-9.47
2282.00	6.600	218.760	2279.00	34.23	-43.37	-34.66	1745115.30	14465122.67	39°49'48.7307"N	80°37'37.4408"W	55.52	218.634	1.22	1.22	-0.04
2312.00	6.900	218.930	2308.79	36.43	-46.15	-36.91	1745113.06	14465119.88	39°49'48.7032"N	80°37'37.4697"W	59.09	218.647	0.34	0.33	-0.07
2344.00	7.450	217.760	2340.54	38.91	-49.29	-39.38	1745110.58	14465116.75	39°49'48.6723"N	80°37'37.5016"W	63.09	218.626	1.78	1.72	-3.00
2376.00	7.800	218.240	2372.25	41.56	-52.63	-42.00	1745107.97	14465113.41	39°49'48.6394"N	80°37'37.5353"W	67.34	218.587	1.11	1.08	-1.00
2407.00	7.450	219.860	2402.98	44.07	-55.83	-44.59	1745105.38	14465110.21	39°49'48.6079"N	80°37'37.5687"W	71.45	218.613	1.32	-1.13	-6.23
2439.00	5.920	219.730	2434.76	46.31	-58.69	-46.97	1745103.00	14465107.35	39°49'48.5797"N	80°37'37.5994"W	75.17	218.672	4.78	-4.78	-0.43
2471.00	5.260	219.700	2466.61	48.19	-61.09	-48.98	1745101.00	14465104.95	39°49'48.5561"N	80°37'37.6250"W	78.29	218.713	2.06	-2.06	-0.09
2503.00	3.900	220.860	2498.51	49.71	-63.04	-50.61	1745099.36	14465103.00	39°49'48.5369"N	80°37'37.6463"W	80.84	218.760	4.26	-4.26	-3.80
2534.00	3.580	216.260	2529.44	50.94	-64.60	-51.86	1745098.11	14465101.44	39°49'48.5215"N	80°37'37.6624"W	82.84	218.758	1.61	-1.29	-10.84
2566.00	3.640	220.690	2561.38	52.17	-66.16	-53.10	1745096.87	14465099.89	39°49'48.5062"N	80°37'37.6784"W	84.83	218.753	0.97	0.44	-1.04
2598.00	3.960	226.000	2593.31	53.33	-67.70	-54.56	1745095.41	14465098.35	39°49'48.4911"N	80°37'37.6971"W	86.95	218.867	1.49	1.00	-16.50
2630.00	4.710	230.690	2625.22	54.47	-69.30	-56.37	1745093.60	14465096.75	39°49'48.4753"N	80°37'37.7204"W	89.33	219.128	2.59	2.34	-14.06
2661.00	5.160	231.490	2656.10	55.62	-70.97	-58.45	1745091.53	14465095.08	39°49'48.4589"N	80°37'37.7471"W	91.94	219.473	1.47	1.45	-2.50
2693.00	5.390	232.350	2687.97	56.85	-72.78	-60.76	1745089.21	14465093.26	39°49'48.4410"N	80°37'37.7769"W	94.81	219.856	0.76	0.72	-3.68
2725.00	5.560	234.680	2719.82	58.06	-74.60	-63.22	1745086.76	14465091.45	39°49'48.4232"N	80°37'37.8085"W	97.78	220.279	0.87	0.53	-7.20
2755.00	5.570	232.120	2749.68	59.21	-76.33	-65.55	1745084.42	14465089.72	39°49'48.4062"N	80°37'37.8385"W	100.82	220.655	0.83	0.03	-3.00
2787.00	5.620	224.780	2781.53	60.68	-78.40	-67.88	1745082.09	14465087.65	39°49'48.3858"N	80°37'37.8684"W	103.70	220.888	2.24	0.16	-22.04
2819.00	5.840	224.710	2813.37	62.37	-80.67	-70.13	1745079.85	14465085.38	39°49'48.3635"N	80°37'37.8974"W	106.89	221.003	0.69	0.69	-0.22
2851.00	5.970	222.790	2845.20	64.16	-83.05	-72.41	1745077.57	14465083.01	39°49'48.3401"N	80°37'37.9267"W	110.18	221.085	0.74	0.41	-6.00
2882.00	5.960	223.720	2876.03	65.94	-85.39	-74.61	1745075.36	14465080.66	39°49'48.3170"N	80°37'37.9551"W	113.40	221.146	0.31	-0.03	-3.00
2914.00	5.970	221.680	2907.86	67.80	-87.84	-76.87	1745073.11	14465078.22	39°49'48.2929"N	80°37'37.9841"W	116.72	221.191	0.66	0.03	-0.37
2946.00	6.250	223.580	2939.67	69.70	-90.34	-79.18	1745070.80	14465075.71	39°49'48.2683"N	80°37'38.0138"W	120.13	221.232	1.08	0.87	-5.87
2977.00	6.320	223.580	2970.49	71.56	-92.80	-81.52	1745068.47	14465073.26	39°49'48.2441"N	80°37'38.0440"W	123.52	221.296	0.23	0.23	0.06

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Breckenridge S-9HM AWP Proj: 15122'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-9HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02430-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-9HM AWB
Slot	Slot #09		

WELLPATH DATA (222 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Toro Rate ["/100ft]
2999.00	6.140	222.370	2992.36	72.88	-94.55	-83.14	1745066.84	14465071.51	39°49'48.2269"N	80°37'38.0649"W	125.90	221.328	1.01	-0.82	-3.60
3111.00	6.140	224.400	3103.72	79.46	-103.25	-91.37	1745058.61	14465062.81	39°49'48.1412"N	80°37'38.1708"W	137.87	221.507	0.19	0.00	1.00
3187.00	5.940	221.370	3189.24	84.49	-109.88	-97.53	1745052.46	14465056.19	39°49'48.0760"N	80°37'38.2501"W	146.92	221.593	0.44	-0.23	5.50
3284.00	5.510	221.390	3275.80	89.51	-116.39	-103.27	1745046.72	14465049.68	39°49'48.0119"N	80°37'38.3240"W	155.60	221.581	0.49	-0.48	0.00
3370.00	6.010	220.920	3361.37	94.53	-122.89	-108.95	1745041.05	14465043.18	39°49'47.9479"N	80°37'38.3972"W	164.23	221.558	0.58	0.58	-0.55
3456.00	7.380	226.150	3448.78	99.97	-130.12	-115.88	1745034.12	14465035.95	39°49'47.8767"N	80°37'38.4864"W	174.24	221.687	1.74	1.50	6.00
3543.00	7.550	233.560	3533.05	105.06	-137.38	-124.51	1745025.49	14465028.69	39°49'47.8053"N	80°37'38.5974"W	185.41	222.185	1.12	0.20	8.52
3629.00	7.460	242.780	3618.31	108.62	-143.29	-134.02	1745015.99	14465022.78	39°49'47.7472"N	80°37'38.7196"W	196.20	223.084	1.40	-0.10	10.72
3715.00	7.430	251.120	3703.59	110.51	-147.66	-144.28	1745005.72	14465018.42	39°49'47.7045"N	80°37'38.8514"W	206.45	224.337	1.26	0.03	9.70
3801.00	8.790	261.080	3788.72	110.55	-150.49	-156.08	1744993.93	14465015.59	39°49'47.6770"N	80°37'39.0028"W	216.82	226.044	2.22	1.51	11.50
3888.00	11.110	269.620	3874.41	108.17	-151.58	-171.03	1744978.98	14465014.50	39°49'47.6669"N	80°37'39.1945"W	228.54	228.451	3.15	2.67	9.00
3974.00	12.290	278.140	3958.63	102.97	-150.34	-188.38	1744961.64	14465015.74	39°49'47.6799"N	80°37'39.4168"W	241.02	231.408	2.43	1.37	9.00
4059.00	13.750	290.540	4041.46	94.04	-145.51	-206.80	1744943.23	14465020.56	39°49'47.7283"N	80°37'39.6526"W	252.86	234.868	3.70	1.72	10.00
4146.00	14.440	296.900	4125.84	81.28	-136.98	-226.16	1744923.88	14465029.10	39°49'47.8135"N	80°37'39.9003"W	264.40	238.798	1.95	0.79	8.00
4233.00	13.820	297.400	4210.21	67.50	-127.29	-245.06	1744904.99	14465038.78	39°49'47.9100"N	80°37'40.1420"W	276.14	242.552	0.73	-0.71	0.50
4319.00	14.720	300.530	4293.56	53.23	-117.01	-263.59	1744886.46	14465049.06	39°49'48.0123"N	80°37'40.3790"W	288.39	246.063	1.38	1.05	3.64
4405.00	15.900	306.860	4376.51	36.62	-104.39	-282.43	1744867.63	14465061.67	39°49'48.1378"N	80°37'40.6198"W	301.10	249.715	2.38	1.37	7.36
4491.00	17.010	307.670	4458.99	17.80	-89.64	-301.81	1744848.26	14465076.42	39°49'48.2844"N	80°37'40.8675"W	314.84	253.459	1.32	1.29	0.00
4578.00	17.820	305.080	4542.00	-2.04	-74.21	-322.78	1744827.30	14465091.84	39°49'48.4377"N	80°37'41.1354"W	331.20	257.052	1.29	0.93	-2.00
4665.00	18.050	302.670	4624.77	-21.68	-59.28	-345.02	1744805.07	14465106.76	39°49'48.5862"N	80°37'41.4197"W	350.07	260.250	0.89	0.26	-2.70
4751.00	18.760	301.280	4706.38	-40.96	-44.91	-368.05	1744782.05	14465121.12	39°49'48.7291"N	80°37'41.7141"W	370.78	263.043	0.96	0.81	-1.00
4838.00	20.460	301.960	4788.32	-61.59	-29.60	-392.91	1744757.19	14465136.44	39°49'48.8815"N	80°37'42.0320"W	394.02	265.692	2.01	1.88	0.70
4924.00	21.150	300.900	4868.71	-83.09	-13.66	-418.99	1744731.12	14465152.36	39°49'49.0400"N	80°37'42.3654"W	419.21	268.132	0.89	0.78	-1.20
5002.00	21.090	299.340	4941.47	-102.41	0.44	-443.30	1744706.83	14465166.46	39°49'49.1804"N	80°37'42.6762"W	443.30	270.057	0.72	-0.08	-2.00
5088.00	20.800	298.000	5021.79	-122.97	15.19	-470.27	1744679.87	14465181.20	39°49'49.3273"N	80°37'43.0212"W	470.51	271.850	0.65	-0.34	-1.50
5175.00	20.300	297.030	5103.25	-142.93	29.30	-497.35	1744652.79	14465195.31	39°49'49.4678"N	80°37'43.3675"W	498.21	273.371	0.70	-0.57	-1.10
5262.00	19.520	295.770	5185.05	-161.86	42.48	-523.88	1744626.27	14465208.48	39°49'49.5991"N	80°37'43.7069"W	525.60	274.636	1.02	-0.90	-1.40
5348.00	19.450	295.310	5266.12	-179.87	54.86	-549.79	1744600.37	14465220.86	39°49'49.7226"N	80°37'44.0384"W	552.52	275.608	0.18	-0.03	-0.50
5435.00	19.150	294.290	5348.22	-197.63	66.93	-575.92	1744574.26	14465232.93	39°49'49.8430"N	80°37'44.3726"W	579.79	276.629	0.55	-0.39	-1.10
5521.00	20.140	295.330	5429.21	-215.48	79.07	-602.16	1744548.03	14465245.06	39°49'49.9640"N	80°37'44.7083"W	607.33	277.481	1.22	1.19	1.20

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Breckenridge S-9HM AWP Proj: 15122'

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Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-9HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02430-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-9HM AWB
Slot	Slot #09		

WELLPATH DATA (222 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
5607.00	20.540	296.590	5509.85	-234.39	92.16	-629.03	1744521.16	14465258.14	39°49'50.0944"N	80°37'45.0521"W	635.75	278.335	0.69	0.47	1.47
5694.00	20.710	296.950	5591.27	-254.12	105.96	-656.39	1744493.81	14465271.94	39°49'50.2319"N	80°37'45.4021"W	664.89	279.170	0.24	0.20	0.11
5780.00	19.180	298.450	5672.11	-272.98	119.15	-682.60	1744467.62	14465285.12	39°49'50.3633"N	80°37'45.7373"W	692.92	279.901	1.79	-1.78	-0.50
5867.00	18.010	298.360	5754.57	-290.70	131.48	-707.44	1744442.78	14465297.45	39°49'50.4863"N	80°37'46.0551"W	719.56	280.529	1.35	-1.34	-0.10
5953.00	17.030	295.360	5836.58	-307.06	142.78	-730.74	1744419.50	14465308.74	39°49'50.5989"N	80°37'46.3531"W	744.56	281.056	1.19	-1.14	-1.16
6039.00	17.280	294.880	5918.75	-322.82	153.55	-753.70	1744396.54	14465319.51	39°49'50.7062"N	80°37'46.6469"W	769.19	281.515	0.33	0.29	-0.00
6125.00	18.340	294.980	6000.63	-339.10	164.64	-777.56	1744372.70	14465330.59	39°49'50.8168"N	80°37'46.9520"W	794.80	281.955	1.23	1.23	0.17
6212.00	18.410	294.090	6083.20	-356.09	176.22	-802.42	1744347.85	14465342.17	39°49'50.9323"N	80°37'47.2701"W	821.54	282.386	0.08	0.08	0.01
6300.00	18.580	294.230	6166.65	-373.24	187.84	-827.80	1744322.48	14465353.79	39°49'51.0482"N	80°37'47.5948"W	848.84	282.785	0.34	0.19	-0.86
6380.00	18.770	290.550	6242.44	-388.17	197.59	-851.47	1744298.81	14465363.54	39°49'51.1455"N	80°37'47.8977"W	874.10	283.065	1.49	0.24	-6.60
6476.00	15.000	257.870	6334.49	-397.05	200.41	-878.15	1744272.14	14465366.35	39°49'51.1744"N	80°37'48.2395"W	900.73	282.856	10.47	-3.93	-34.04
6571.00	14.960	231.560	6426.37	-392.09	190.19	-899.80	1744250.50	14465356.14	39°49'51.0743"N	80°37'48.5175"W	919.68	281.935	7.10	-0.04	-27.05
6666.00	18.790	216.320	6517.30	-376.96	170.23	-918.48	1744231.83	14465336.18	39°49'50.8778"N	80°37'48.7581"W	934.12	280.500	6.13	4.03	-16.04
6760.00	23.200	201.360	6605.08	-351.83	140.68	-934.23	1744216.08	14465306.65	39°49'50.5865"N	80°37'48.9616"W	944.77	278.564	7.42	4.79	-16.87
6855.00	29.040	196.120	6690.32	-316.26	101.00	-947.49	1744202.83	14465266.98	39°49'50.1949"N	80°37'49.1336"W	952.86	276.085	6.52	6.05	-5.50
6950.00	38.750	186.650	6769.12	-268.06	49.14	-957.37	1744192.98	14465215.14	39°49'49.6827"N	80°37'49.2629"W	958.63	272.938	11.65	10.26	-9.97
7045.00	49.070	181.250	6837.47	-205.16	-16.50	-961.61	1744188.72	14465149.53	39°49'49.0342"N	80°37'49.3208"W	961.75	269.017	11.51	10.82	-6.00
7139.00	56.750	174.320	6894.16	-131.67	-91.28	-958.49	1744191.84	14465074.77	39°49'48.2950"N	80°37'49.2847"W	982.82	264.560	10.06	8.17	-7.30
7235.00	65.250	188.690	6940.68	-48.11	-174.17	-945.93	1744204.39	14464991.91	39°49'47.4753"N	80°37'49.1282"W	961.84	259.567	10.23	8.85	-5.88
7329.00	72.770	166.330	6974.33	39.57	-259.78	-926.92	1744223.39	14464906.34	39°49'48.6286"N	80°37'48.8891"W	962.64	254.344	8.34	8.00	-2.51
7424.00	80.530	167.200	6996.25	131.94	-349.69	-905.79	1744244.51	14464816.46	39°49'45.7392"N	80°37'48.6230"W	970.95	248.890	8.22	8.17	-0.62
7519.00	86.610	165.880	7006.89	226.29	-441.45	-883.80	1744266.49	14464724.74	39°49'44.8314"N	80°37'48.3460"W	987.92	243.458	6.55	6.40	-1.41
7614.00	88.030	167.490	7011.33	321.18	-533.79	-861.93	1744288.35	14464632.44	39°49'43.9180"N	80°37'48.0706"W	1013.83	238.231	2.27	1.49	1.19
7709.00	88.960	167.040	7013.83	416.14	-626.42	-841.00	1744309.28	14464539.85	39°49'43.0018"N	80°37'47.8072"W	1048.66	233.320	1.09	0.98	-0.47
7803.00	89.910	166.850	7014.75	510.14	-717.94	-819.61	1744330.88	14464448.36	39°49'42.0964"N	80°37'47.5378"W	1089.59	228.783	1.09	1.01	-0.41
7897.00	90.160	167.310	7014.70	604.14	-809.53	-798.43	1744351.83	14464356.81	39°49'41.1904"N	80°37'47.2713"W	1137.02	224.605	0.75	0.27	-0.70
7992.00	89.950	165.960	7014.89	699.13	-901.95	-776.47	1744373.78	14464264.42	39°49'40.2761"N	80°37'46.9947"W	1190.14	220.725	1.46	-0.33	-1.42
8087.00	89.700	166.220	7015.06	794.13	-994.16	-753.63	1744396.81	14464172.24	39°49'39.3639"N	80°37'46.7069"W	1247.53	217.164	0.32	-0.16	-0.27
8181.00	89.480	165.400	7015.73	888.11	-1085.29	-730.59	1744419.64	14464081.15	39°49'38.4624"N	80°37'46.4164"W	1308.29	213.947	0.90	-0.23	-0.87
8275.00	89.360	166.370	7016.88	982.10	-1176.45	-707.67	1744442.56	14463990.03	39°49'37.5606"N	80°37'46.1274"W	1372.89	211.028	1.04	-0.13	1.03

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Facility	Breckenridge Pad	Wellbore	Breckenridge S-9HM AWP
Slot	Slot #00		

WELLPATH DATA (222 stations)

MB (ft)	Inclination (°)	Azimuth (°)	TVD (ft)	Vert Sect (ft)	North (ft)	East (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude	Closure Dist (ft)	Closure Dir (°)	DLS (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8370.00	87.700	163.170	7019.07	1077.00	-1268.07	-682.73	1744467.49	14463898.44	39°49'36.6541"N	80°37'45.8126"W	1440.18	208.298	3.76	-1.68	-2.37
8464.00	86.400	164.380	7023.79	1170.75	-1358.21	-656.50	1744493.71	14463808.34	39°49'35.7623"N	80°37'45.4812"W	1508.55	205.797	1.86	-1.35	1.20
8559.00	87.300	167.180	7028.86	1265.59	-1450.16	-633.20	1744517.00	14463716.43	39°49'34.8526"N	80°37'45.1874"W	1582.37	203.588	3.09	0.95	2.55
8653.00	88.077	167.250	7032.58	1359.52	-1541.75	-612.41	1744537.78	14463624.87	39°49'33.9466"N	80°37'44.9259"W	1658.93	201.664	0.73	0.72	0.07
8748.00	87.420	163.250	7036.32	1454.39	-1633.53	-588.25	1744561.93	14463533.12	39°49'33.0386"N	80°37'44.6211"W	1736.22	199.804	4.26	-0.68	-4.21
8842.00	86.090	164.340	7040.91	1548.16	-1723.69	-562.05	1744588.12	14463443.00	39°49'32.1465"N	80°37'44.2900"W	1813.01	198.060	1.25	-0.46	0.10
8936.00	87.420	167.280	7045.49	1642.02	-1814.70	-539.03	1744611.13	14463352.02	39°49'31.2461"N	80°37'43.9999"W	1893.07	196.543	3.16	0.46	-1.10
9031.00	87.080	166.920	7050.05	1736.91	-1907.20	-517.85	1744632.30	14463259.57	39°49'30.3312"N	80°37'43.7333"W	1976.25	195.191	0.52	-0.36	-0.30
9125.00	88.650	166.890	7053.55	1830.84	-1998.65	-496.41	1744653.73	14463168.15	39°49'29.4265"N	80°37'43.4634"W	2059.37	193.948	1.69	1.67	-0.24
9219.00	88.650	166.910	7055.76	1924.82	-2090.14	-474.85	1744675.19	14463076.69	39°49'28.5215"N	80°37'43.1932"W	2143.42	192.802	0.23	0.00	0.23
9314.00	88.500	165.420	7058.08	2019.78	-2182.35	-452.24	1744697.89	14462984.52	39°49'27.6092"N	80°37'42.9070"W	2228.72	191.707	1.57	-0.09	-1.50
9409.00	88.900	166.730	7060.22	2114.75	-2274.54	-429.38	1744720.73	14462892.37	39°49'26.6973"N	80°37'42.6190"W	2314.71	190.690	1.41	0.32	1.30
9504.00	88.060	167.180	7062.77	2209.72	-2367.05	-407.95	1744742.16	14462799.89	39°49'25.7821"N	80°37'42.3492"W	2401.95	189.779	0.97	-0.84	0.67
9599.00	88.000	166.500	7066.04	2304.66	-2459.50	-386.33	1744763.77	14462707.48	39°49'24.8676"N	80°37'42.0771"W	2489.66	188.927	0.72	-0.06	-0.72
9694.00	88.310	166.690	7068.09	2399.61	-2551.86	-364.32	1744785.77	14462615.15	39°49'23.9539"N	80°37'41.7959"W	2577.74	188.125	0.38	0.33	0.20
9789.00	88.770	167.970	7071.51	2494.57	-2644.52	-343.49	1744806.59	14462522.53	39°49'23.0374"N	80°37'41.5379"W	2666.73	187.401	1.43	0.48	1.35
9884.00	89.630	167.970	7072.84	2589.54	-2737.42	-323.69	1744826.38	14462429.66	39°49'22.1185"N	80°37'41.2891"W	2756.49	186.744	0.91	0.91	0.00
9979.00	89.790	166.920	7073.32	2684.53	-2830.15	-303.04	1744847.02	14462336.97	39°49'21.2013"N	80°37'41.0293"W	2846.33	186.112	1.12	0.17	-1.11
10074.00	88.800	166.210	7074.49	2779.52	-2922.54	-280.97	1744869.09	14462244.62	39°49'20.2873"N	80°37'40.7514"W	2936.02	185.492	1.28	-1.04	-0.70
10168.00	88.680	166.940	7076.56	2873.49	-3013.95	-259.15	1744890.90	14462153.25	39°49'19.3830"N	80°37'40.4766"W	3025.07	184.914	0.79	-0.13	0.70
10263.00	88.180	168.960	7079.16	2968.43	-3106.82	-239.33	1744910.71	14462060.41	39°49'18.4645"N	80°37'40.2275"W	3116.02	184.405	2.19	-0.53	0.30
10358.00	88.310	166.880	7082.07	3063.36	-3199.66	-219.46	1744930.58	14461967.60	39°49'17.5461"N	80°37'39.9778"W	3207.18	183.924	2.19	0.14	-0.08
10452.00	88.210	165.580	7084.92	3157.31	-3290.92	-197.10	1744952.93	14461876.38	39°49'16.6433"N	80°37'39.6960"W	3296.81	183.427	1.39	-0.11	-1.00
10547.00	88.460	167.240	7087.69	3252.26	-3383.22	-174.78	1744975.23	14461784.12	39°49'15.7303"N	80°37'39.4150"W	3387.73	182.957	1.77	0.26	1.70
10641.00	88.180	165.970	7090.44	3346.22	-3474.62	-153.02	1744996.99	14461692.76	39°49'14.8261"N	80°37'39.1409"W	3477.98	182.522	1.38	-0.30	-1.35
10735.00	88.030	165.080	7093.55	3440.15	-3565.58	-129.53	1745020.47	14461601.83	39°49'13.9262"N	80°37'38.8448"W	3567.93	182.081	0.96	-0.16	-0.82
10829.00	88.020	167.990	7096.05	3534.11	-3656.96	-107.66	1745042.34	14461510.49	39°49'13.0223"N	80°37'38.5693"W	3658.54	181.686	3.24	0.95	3.10
10924.00	88.640	166.890	7098.07	3629.07	-3749.66	-87.00	1745062.98	14461417.82	39°49'12.1053"N	80°37'38.3096"W	3750.67	181.329	1.19	-0.29	-1.00
11018.00	89.410	167.850	7099.67	3723.05	-3841.37	-66.45	1745083.52	14461326.15	39°49'11.1981"N	80°37'38.0511"W	3841.94	180.991	1.31	0.82	1.02
11113.00	88.830	164.450	7101.13	3818.02	-3933.58	-43.72	1745106.25	14461233.97	39°49'10.2858"N	80°37'37.7647"W	3933.83	180.637	3.63	-0.61	-3.56

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Breckenridge S-9HM AWP Proj: 15122'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-9HM
Field	Markinall (NAD83 / UTM / Grid)	API	47-051-02430-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-9HM AWB
Slot	Slot #07		

WELLPATH DATA (222 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS ["/100ft]	Build Rate ["/100ft]	Tam Rate ["/100ft]
11208.00	88.051	160.360	7103.06	3912.97	-4025.49	-19.79	1745130.17	14461142.09	39°49'9.3765"N	80°37'37.4628"W	4025.54	180.282	2.01	0.02	0.00
11302.00	90.631	165.710	7103.48	4006.96	-4116.71	2.90	1745152.85	14461050.91	39°49'8.4742"N	80°37'37.1770"W	4116.71	179.960	2.02	1.89	-0.14
11397.00	89.490	165.560	7103.38	4101.94	-4208.74	26.47	1745176.41	14460958.92	39°49'7.5637"N	80°37'36.8799"W	4208.82	179.640	1.21	-1.20	0.10
11492.00	89.581	165.500	7104.15	4196.92	-4300.72	50.20	1745200.13	14460866.97	39°49'6.6537"N	80°37'36.5806"W	4301.02	179.331	0.11	0.09	-0.06
11586.00	89.591	165.020	7104.87	4290.89	-4391.63	74.12	1745224.04	14460776.10	39°49'5.7544"N	80°37'36.2789"W	4392.25	179.033	0.51	-0.03	-0.51
11681.00	88.581	162.750	7106.12	4385.76	-4482.88	100.48	1745250.40	14460684.89	39°49'4.8515"N	80°37'35.9459"W	4484.00	178.716	2.47	-0.64	0.00
11776.00	85.581	160.270	7107.07	4480.36	-4572.96	130.61	1745280.51	14460584.84	39°49'3.9600"N	80°37'35.5647"W	4574.83	178.364	2.81	1.03	0.00
11871.00	98.577	157.640	7108.32	4574.47	-4661.61	164.72	1745314.60	14460506.23	39°49'3.0825"N	80°37'35.1323"W	4664.52	177.978	3.11	-1.42	0.00
11966.00	89.100	154.560	7109.98	4667.82	-4748.44	203.19	1745353.07	14460419.43	39°49'2.2228"N	80°37'34.5439"W	4752.78	177.550	3.37	0.91	0.00
12061.00	86.540	152.800	7111.68	4760.36	-4833.57	245.31	1745395.16	14460334.33	39°49'1.3798"N	80°37'34.1087"W	4839.79	177.095	2.09	-0.97	0.00
12156.00	89.250	150.850	7113.54	4852.16	-4917.29	290.15	1745439.99	14460250.64	39°49'0.5505"N	80°37'33.5385"W	4925.85	176.623	2.20	0.78	0.00
12250.00	89.710	149.500	7114.39	4942.27	-4998.84	336.90	1745486.72	14460169.13	39°48'59.7427"N	80°37'32.9438"W	5010.18	176.144	1.52	0.49	0.00
12345.00	88.770	149.770	7115.65	5033.08	-5080.80	384.92	1745534.72	14460087.20	39°48'58.9308"N	80°37'32.3328"W	5095.36	175.668	1.02	-0.98	0.00
12439.00	88.070	149.210	7117.49	5122.85	-5161.77	432.63	1745582.41	14460006.26	39°48'58.1286"N	80°37'31.7257"W	5179.87	175.209	0.63	0.20	0.00
12533.00	88.290	149.000	7119.74	5212.43	-5242.41	480.88	1745630.65	14459925.66	39°48'57.3297"N	80°37'31.1117"W	5264.42	174.759	0.76	-0.72	0.00
12628.00	89.180	149.200	7121.60	5302.96	-5323.90	529.66	1745679.40	14459844.19	39°48'56.5223"N	80°37'30.4910"W	5350.19	174.319	1.25	1.23	0.00
12722.00	89.100	148.580	7122.87	5392.40	-5404.29	578.36	1745728.09	14459763.83	39°48'55.7258"N	80°37'29.8712"W	5435.15	173.892	1.00	-0.49	0.00
12817.00	89.400	149.230	7124.19	5482.79	-5485.55	627.56	1745777.27	14459682.61	39°48'54.9208"N	80°37'29.2450"W	5521.33	173.474	0.99	0.42	0.00
12912.00	89.090	148.510	7125.11	5573.22	-5566.86	676.67	1745826.36	14459601.33	39°48'54.1151"N	80°37'28.6200"W	5607.84	173.069	0.76	0.09	0.00
13007.00	89.370	146.260	7126.06	5662.86	-5648.87	727.87	1745877.54	14459521.35	39°48'53.3223"N	80°37'27.9682"W	5693.59	172.655	2.37	-0.13	0.00
13101.00	89.650	151.210	7126.89	5752.25	-5727.19	776.64	1745926.29	14459441.06	39°48'52.5265"N	80°37'27.3475"W	5779.61	172.277	5.27	0.27	0.00
13196.00	89.740	150.290	7127.42	5843.59	-5810.08	823.06	1745972.69	14459358.20	39°48'51.7054"N	80°37'26.7572"W	5868.09	171.937	0.96	0.13	0.00
13291.00	89.560	150.710	7128.03	5934.82	-5892.76	869.84	1746019.45	14459275.55	39°48'50.8864"N	80°37'26.1622"W	5956.61	171.603	0.50	-0.23	0.00
13385.00	90.200	150.590	7128.19	6025.15	-5974.69	915.91	1746065.50	14459193.65	39°48'50.0748"N	80°37'25.5762"W	6044.49	171.285	0.83	0.82	-0.13
13574.00	90.200	150.060	7127.23	6206.48	-6138.90	1009.48	1746159.04	14459029.51	39°48'48.4481"N	80°37'24.3860"W	6221.35	170.662	0.28	0.00	-0.20
13669.00	90.110	149.600	7126.90	6297.39	-6221.03	1057.22	1746206.76	14458947.41	39°48'47.6344"N	80°37'23.7786"W	6310.23	170.355	0.52	-0.19	-0.36
13764.00	90.660	150.320	7126.26	6388.36	-6303.27	1104.78	1746254.30	14458865.20	39°48'46.8197"N	80°37'23.1736"W	6399.36	170.059	0.95	0.50	0.00
13859.00	90.200	149.760	7125.55	6479.37	-6385.57	1152.22	1746301.72	14458782.93	39°48'46.0044"N	80°37'22.5701"W	6488.69	169.772	0.78	-0.48	-0.10
13954.00	89.740	149.560	7125.60	6570.20	-6467.56	1200.21	1746349.69	14458700.98	39°48'45.1922"N	80°37'21.9596"W	6577.98	169.487	0.53	-0.48	-0.21
14049.00	89.610	150.230	7126.14	6661.14	-6549.75	1247.86	1746397.32	14458618.83	39°48'44.3780"N	80°37'21.3535"W	6667.56	169.213	0.72	-0.14	0.73

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Breckenridge S-9HM AWP Proj: 15122'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-9HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02430-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-9HM AWB
Slot	Slot #09		

WELLPATH DATA (222 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]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]
14144.00	90.010	150.240	7126.45	6752.25	-6632.21	1295.02	1746444.46	14458536.39	39°48'43.5610"N	80°37'20.7536"W	6757.46	168.951	0.42	0.42	0.01
14239.00	90.170	150.660	7126.30	6843.45	-6714.85	1341.87	1746491.30	14458453.78	39°48'42.7424"N	80°37'20.1576"W	6847.62	168.699	0.47	0.17	0.44
14333.00	89.860	149.660	7126.28	6933.56	-6796.39	1388.64	1746538.05	14458372.28	39°48'41.9346"N	80°37'19.5627"W	6936.80	168.452	1.11	-0.33	-1.06
14429.00	90.170	150.500	7126.25	7025.55	-6879.59	1436.53	1746585.92	14458289.10	39°48'41.1104"N	80°37'18.9536"W	7027.97	168.206	0.93	0.32	0.66
14524.00	90.540	150.600	7125.66	7116.80	-6962.32	1483.23	1746632.60	14458206.41	39°48'40.2909"N	80°37'18.3596"W	7118.56	167.974	0.40	0.39	0.11
14619.00	90.260	150.570	7125.00	7208.06	-7045.07	1529.89	1746679.24	14458123.69	39°48'39.4712"N	80°37'17.7662"W	7209.27	167.748	0.30	-0.29	-0.03
14713.00	90.040	148.520	7124.76	7297.88	-7126.09	1577.53	1746726.87	14458042.70	39°48'38.6684"N	80°37'17.1601"W	7298.62	167.518	2.19	-0.23	-2.18
14808.00	90.480	148.120	7124.32	7388.03	-7206.94	1627.42	1746776.74	14457961.89	39°48'37.8674"N	80°37'16.5252"W	7388.40	167.275	0.63	0.46	-0.42
14903.00	90.780	148.730	7123.28	7478.23	-7287.87	1677.16	1746826.46	14457880.99	39°48'37.0655"N	80°37'15.8922"W	7478.36	167.040	0.72	0.32	0.64
14998.00	91.520	150.540	7121.37	7569.02	-7369.82	1725.17	1746874.45	14457799.07	39°48'36.2537"N	80°37'15.2814"W	7569.04	166.825	2.06	0.78	1.91
15093.00	91.090	148.950	7119.21	7659.87	-7451.85	1773.03	1746922.28	14457717.07	39°48'35.4409"N	80°37'14.6727"W	7659.88	166.616	1.73	-0.45	-1.67
15122.00†	91.090	148.950	7118.66	7687.48	-7476.69	1787.98	1746937.23	14457692.24	39°48'35.1948"N	80°37'14.4824"W	7687.51	166.551	0.00	0.00	0.00

HOLE & CASING SECTIONS - Ref Wellbore: Breckenridge S-9HM AWB Ref Wellpath: Breckenridge S-9HM AWP Proj: 15122'

String/Diameter	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 Conductor	28.00	148.00	120.00	28.00	148.00	0.00	0.00	-0.09	-0.14
17.5in Open Hole	148.00	1185.00	1037.00	148.00	1184.96	-0.09	-0.14	4.94	-1.17
13.375in Casing Surface	28.00	1185.00	1157.00	28.00	1184.96	0.00	0.00	4.94	-1.17
12.25in Open Hole	1185.00	3023.00	1838.00	1184.96	3016.22	4.94	-1.17	-96.44	-84.88
9.625in Casing Intermediate	28.00	3023.00	2995.00	28.00	3016.22	0.00	0.00	-96.44	-84.88
8.75in Open Hole	3023.00	6378.00	3355.00	3016.22	6240.55	-96.44	-84.88	197.37	-850.87
8.5in Open Hole	6378.00	15122.00	8744.00	6240.55	7118.66	197.37	-850.87	-7476.69	1787.98
5.5in Casing Production	28.00	15122.00	15094.00	28.00	7118.66	0.00	0.00	-7476.69	1787.98

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Breckenridge S-9HM AWP Proj: 15122'

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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-9HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02430-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-9HM AWB
Slot	Slot #09		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Breckenridge S-9HM LP Rev-2	7006.00	-457.11	-886.44	1744263.85	14464709.09	39°49'44.6768"N	80°37'48.3807"W	point
Breckenridge S-9HM BHL Rev-2	7138.40	-7486.74	1770.17	1746919.43	14457682.20	39°48'35.0963"N	80°37'14.7111"W	point

WELLPATH COMPOSITION - Ref Wellbore: Breckenridge S-9HM AWB Ref Wellpath: Breckenridge S-9HM AWP Proj: 15122'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
28.00	1144.00	OWSG MWD rev2 - Standard	01 MWD <17-1/2"> (206'-1144')	Breckenridge S-9HM AWB	10/25/2024
1144.00	2999.00	OWSG MWD rev2 - Standard	02 MWD <12-1/4"> (1144')(1207'-2999')	Breckenridge S-9HM AWB	10/25/2024
2999.00	6300.00	OWSG MWD rev2 + HRGM	03 SDI MWD <8-3/4"> (2999')(3111'-6300')	Breckenridge S-9HM AWB	10/25/2024
6300.00	15122.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	04 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (6300')(6380'-15093')	Breckenridge S-9HM AWB	11/12/2024

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Actual Wellpath Report

Breckenridge S-9HM AWP Proj: 15122'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-9HM
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02430-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-9HM AWB
Slot	Slot #09		

COMMENTS
Wellpath general comments API: 47-051-02430-0000 BH Job #: 112450799 Rig: Patterson 294 Duration: 11/13/2024-11/15/2024 MWD <17-1/2"> (206'-1144') MWD <12-1/4"> (1144')(1207'-2999') SDI MWD <8-3/4"> (2999')(3111'-6300') BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (6300')(6380'-15093') Projected MD at TD: 15122'

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EQT PRODUCTION COMPANY

Location: Marshall County, WV
Field: Marshall (MAC83 / UTM / Grid)
Facility: Breckenridge Pad

Slot: Slot #09
Well: Breckenridge S-9HM
Wellbore: Breckenridge S-9HM AWB

Baker Hughes

