



Actual Wellpath Report

Breckenridge S-25HM ST01 AWP Proj: 18631'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-25HM ST01
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02432-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-25HM ST01 AWB
Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

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	12/9/2024 at 4:21:22 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	5.28	-23.63	1745184.77	14465157.75	39°49'49.0746"N	80°37'36.5481"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 #25)	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	131.54°

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Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

WELLPATH DATA (264 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]
0.00†	0.000	123.230	0.00	0.00	0.00	0.00	1745184.77	14465157.75	39°49'49.0746"N	80°37'36.5481"W	0.00	0.000	0.00	0.00	0.00
28.00	0.000	123.230	28.00	0.00	0.00	0.00	1745184.77	14465157.75	39°49'49.0746"N	80°37'36.5481"W	0.00	0.000	0.00	0.00	0.00
177.00	0.320	123.230	177.00	0.41	-0.23	0.35	1745185.12	14465157.52	39°49'49.0724"N	80°37'36.5436"W	0.42	123.230	0.21	0.21	0.00
205.00	0.430	109.520	205.00	0.59	-0.31	0.51	1745185.28	14465157.44	39°49'49.0716"N	80°37'36.5415"W	0.60	120.839	0.50	0.39	-48.96
236.00	0.340	112.030	236.00	0.78	-0.38	0.71	1745185.48	14465157.37	39°49'49.0708"N	80°37'36.5391"W	0.80	118.203	0.30	-0.29	8.10
263.00	0.340	119.120	263.00	0.93	-0.45	0.85	1745185.62	14465157.30	39°49'49.0702"N	80°37'36.5372"W	0.96	117.766	0.16	0.00	26.26
292.00	0.380	109.900	292.00	1.11	-0.52	1.02	1745185.79	14465157.23	39°49'49.0694"N	80°37'36.5351"W	1.14	117.209	0.24	0.14	-31.79
321.00	0.280	116.270	321.00	1.27	-0.59	1.17	1745185.94	14465157.16	39°49'49.0688"N	80°37'36.5331"W	1.31	116.623	0.37	-0.34	21.97
353.00	0.300	112.370	353.00	1.42	-0.65	1.32	1745186.09	14465157.10	39°49'49.0681"N	80°37'36.5312"W	1.47	116.362	0.09	0.06	-12.19
385.00	0.210	97.000	385.00	1.55	-0.69	1.45	1745186.22	14465157.06	39°49'49.0677"N	80°37'36.5295"W	1.61	115.463	0.35	-0.28	-48.03
417.00	0.060	120.450	417.00	1.61	-0.71	1.53	1745186.30	14465157.04	39°49'49.0676"N	80°37'36.5286"W	1.68	114.881	0.49	-0.47	73.28
449.00	0.140	318.240	449.00	1.59	-0.69	1.52	1745186.28	14465157.06	39°49'49.0678"N	80°37'36.5287"W	1.66	114.403	0.62	0.25	-506.91
480.00	0.100	8.430	480.00	1.54	-0.63	1.49	1745186.26	14465157.12	39°49'49.0683"N	80°37'36.5290"W	1.62	112.944	0.35	-0.13	161.90
512.00	0.210	333.130	512.00	1.47	-0.55	1.47	1745186.24	14465157.20	39°49'49.0691"N	80°37'36.5293"W	1.57	110.579	0.44	0.34	-110.31
544.00	0.230	326.030	544.00	1.35	-0.45	1.41	1745186.18	14465157.30	39°49'49.0701"N	80°37'36.5301"W	1.48	107.598	0.11	0.06	-22.19
576.00	0.510	306.960	575.99	1.15	-0.31	1.26	1745186.03	14465157.44	39°49'49.0715"N	80°37'36.5320"W	1.30	103.745	0.94	0.88	-59.59
608.00	0.460	311.420	607.99	0.88	-0.14	1.05	1745185.82	14465157.61	39°49'49.0732"N	80°37'36.5347"W	1.06	97.465	0.20	-0.16	13.94
638.00	0.580	310.400	637.99	0.60	0.04	0.84	1745185.61	14465157.79	39°49'49.0750"N	80°37'36.5373"W	0.84	87.248	0.40	0.40	-3.40
670.00	0.750	321.640	669.99	0.24	0.31	0.59	1745185.36	14465158.06	39°49'49.0777"N	80°37'36.5405"W	0.67	62.316	0.67	0.53	35.13
701.00	0.770	321.230	700.99	-0.17	0.63	0.33	1745185.10	14465158.38	39°49'49.0808"N	80°37'36.5438"W	0.71	27.886	0.07	0.06	-1.32
733.00	0.700	321.130	732.98	-0.57	0.95	0.08	1745184.85	14465158.70	39°49'49.0840"N	80°37'36.5471"W	0.95	4.612	0.22	-0.22	-0.31
765.00	0.900	326.370	764.98	-1.01	1.31	-0.19	1745184.58	14465159.06	39°49'49.0876"N	80°37'36.5504"W	1.33	351.971	0.66	0.63	16.38
796.00	1.030	326.320	795.98	-1.51	1.75	-0.47	1745184.30	14465159.50	39°49'49.0919"N	80°37'36.5541"W	1.81	344.806	0.42	0.42	-0.16
828.00	0.840	332.340	827.97	-2.01	2.19	-0.74	1745184.03	14465159.94	39°49'49.0963"N	80°37'36.5575"W	2.32	341.296	0.67	-0.59	18.81
860.00	0.860	339.600	859.97	-2.44	2.63	-0.94	1745183.83	14465160.38	39°49'49.1006"N	80°37'36.5599"W	2.79	340.399	0.34	0.06	22.69
891.00	0.970	340.790	890.97	-2.88	3.09	-1.10	1745183.67	14465160.84	39°49'49.1052"N	80°37'36.5621"W	3.28	340.374	0.36	0.35	3.84
923.00	0.800	339.890	922.96	-3.31	3.56	-1.27	1745183.50	14465161.31	39°49'49.1098"N	80°37'36.5642"W	3.78	340.375	0.53	-0.53	-2.81
959.00	0.890	347.300	958.96	-3.76	4.07	-1.42	1745183.35	14465161.82	39°49'49.1149"N	80°37'36.5660"W	4.31	340.795	0.39	0.25	20.58
986.00	0.880	0.720	985.95	-4.06	4.48	-1.46	1745183.31	14465162.23	39°49'49.1189"N	80°37'36.5666"W	4.71	341.944	0.77	-0.04	49.70
1017.00	0.890	351.440	1016.95	-4.40	4.96	-1.49	1745183.28	14465162.70	39°49'49.1237"N	80°37'36.5670"W	5.18	343.232	0.46	0.03	-29.94

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Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02432-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-25HM ST01 AWB
Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

WELLPATH DATA (264 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]
1049.00	0.690	354.620	1048.95	-4.73	5.39	-1.55	1745183.22	14465163.14	39°49'49.1280"N	80°37'36.5677"W	5.61	343.983	0.64	-0.62	9.94
1081.00	0.760	352.000	1080.95	-5.04	5.79	-1.60	1745183.17	14465163.54	39°49'49.1320"N	80°37'36.5682"W	6.01	344.604	0.24	0.22	-6.19
1113.00	0.700	346.010	1112.94	-5.36	6.19	-1.67	1745183.10	14465163.94	39°49'49.1359"N	80°37'36.5692"W	6.42	344.891	0.30	-0.19	-18.72
1144.00	0.920	350.900	1143.94	-5.71	6.62	-1.76	1745183.01	14465164.37	39°49'49.1402"N	80°37'36.5703"W	6.85	345.139	0.74	0.71	15.77
1173.00	0.680	344.510	1172.94	-6.03	7.02	-1.84	1745182.93	14465164.77	39°49'49.1441"N	80°37'36.5713"W	7.26	345.309	0.88	-0.83	-22.03
1205.00	0.720	330.260	1204.93	-6.38	7.38	-1.99	1745182.78	14465165.12	39°49'49.1476"N	80°37'36.5732"W	7.64	344.898	0.56	0.12	-44.53
1237.00	0.640	326.960	1236.93	-6.75	7.70	-2.19	1745182.58	14465165.45	39°49'49.1508"N	80°37'36.5757"W	8.01	344.140	0.28	-0.25	-10.31
1269.00	0.480	13.820	1268.93	-6.98	7.98	-2.25	1745182.52	14465165.73	39°49'49.1536"N	80°37'36.5766"W	8.29	344.234	1.47	-0.50	146.44
1300.00	1.040	49.040	1299.93	-7.00	8.29	-2.01	1745182.76	14465166.04	39°49'49.1567"N	80°37'36.5734"W	8.53	346.375	2.27	1.81	113.61
1332.00	1.920	56.950	1331.92	-6.82	8.77	-1.34	1745183.43	14465166.52	39°49'49.1614"N	80°37'36.5648"W	8.88	351.309	2.82	2.75	24.72
1363.00	2.980	55.250	1362.89	-6.49	9.52	-0.24	1745184.53	14465167.26	39°49'49.1687"N	80°37'36.5507"W	9.52	358.532	3.43	3.42	-5.48
1394.00	3.850	57.920	1393.83	-6.01	10.53	1.30	1745186.07	14465168.28	39°49'49.1786"N	80°37'36.5309"W	10.61	7.038	2.85	2.81	8.61
1426.00	4.580	59.600	1425.75	-5.31	11.75	3.31	1745188.08	14465169.49	39°49'49.1906"N	80°37'36.5050"W	12.20	15.747	2.31	2.28	5.25
1458.00	5.380	59.720	1457.62	-4.45	13.15	5.71	1745190.48	14465170.89	39°49'49.2043"N	80°37'36.4742"W	14.34	23.471	2.50	2.50	0.37
1489.00	6.140	59.460	1488.47	-3.48	14.72	8.39	1745193.16	14465172.47	39°49'49.2198"N	80°37'36.4397"W	16.95	29.682	2.45	2.45	-0.84
1521.00	6.540	59.790	1520.27	-2.39	16.51	11.44	1745196.21	14465174.26	39°49'49.2373"N	80°37'36.4006"W	20.09	34.720	1.26	1.25	1.03
1552.00	6.720	58.890	1551.07	-1.29	18.34	14.52	1745199.28	14465176.08	39°49'49.2552"N	80°37'36.3610"W	23.39	38.374	0.67	0.58	-2.90
1583.00	6.800	57.410	1581.85	-0.25	20.26	17.62	1745202.38	14465178.00	39°49'49.2741"N	80°37'36.3212"W	26.85	41.008	0.62	0.26	-4.77
1615.00	7.350	58.220	1613.61	0.86	22.36	20.96	1745205.72	14465180.10	39°49'49.2947"N	80°37'36.2783"W	30.65	43.141	1.75	1.72	2.53
1647.00	8.060	60.050	1645.32	2.16	24.56	24.64	1745209.40	14465182.30	39°49'49.3163"N	80°37'36.2310"W	34.79	45.093	2.35	2.22	5.72
1678.00	9.040	60.930	1675.97	3.65	26.83	28.65	1745213.41	14465184.57	39°49'49.3386"N	80°37'36.1794"W	39.25	46.883	3.19	3.16	2.84
1710.00	9.780	60.890	1707.54	5.39	29.37	33.22	1745217.98	14465187.11	39°49'49.3635"N	80°37'36.1207"W	44.34	48.521	2.31	2.31	-0.13
1741.00	10.600	60.770	1738.05	7.20	32.04	38.01	1745222.77	14465189.78	39°49'49.3897"N	80°37'36.0592"W	49.72	49.869	2.65	2.65	-0.39
1773.00	11.150	60.200	1769.48	9.16	35.02	43.26	1745228.02	14465192.76	39°49'49.4189"N	80°37'35.9917"W	55.66	51.013	1.75	1.72	-1.78
1804.00	11.120	58.660	1799.89	11.00	38.06	48.42	1745233.17	14465195.80	39°49'49.4488"N	80°37'35.9254"W	61.59	51.828	0.96	-0.10	-4.97
1836.00	11.170	59.640	1831.29	12.87	41.24	53.73	1745238.48	14465198.97	39°49'49.4799"N	80°37'35.8572"W	67.73	52.495	0.61	0.16	3.06
1868.00	11.620	60.330	1862.66	14.87	44.40	59.20	1745243.95	14465202.13	39°49'49.5109"N	80°37'35.7869"W	74.00	53.134	1.47	1.41	2.16
1899.00	11.950	61.320	1893.01	16.96	47.48	64.73	1745249.48	14465205.21	39°49'49.5412"N	80°37'35.7158"W	80.28	53.739	1.25	1.06	3.19
1931.00	12.720	62.630	1924.27	19.35	50.69	70.77	1745255.51	14465208.42	39°49'49.5727"N	80°37'35.6383"W	87.05	54.385	2.56	2.41	4.09
1963.00	14.230	62.610	1955.39	22.03	54.12	77.39	1745262.13	14465211.85	39°49'49.6063"N	80°37'35.5532"W	94.44	55.033	4.72	4.72	-0.06

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1995.00	15.430	62.800	1986.32	24.99	57.88	84.67	1745269.40	14465215.60	39°49'49.6431"N	80°37'35.4597"W	102.56	55.644	3.75	3.75	0.59
2026.00	15.870	62.200	2016.17	27.98	61.74	92.08	1745276.82	14465219.46	39°49'49.6810"N	80°37'35.3645"W	110.87	56.160	1.51	1.42	-1.94
2058.00	16.020	60.660	2046.94	30.97	65.94	99.80	1745284.54	14465223.67	39°49'49.7222"N	80°37'35.2653"W	119.62	56.546	1.40	0.47	-4.81
2122.00	15.510	59.670	2108.53	36.53	74.59	114.89	1745299.61	14465232.31	39°49'49.8070"N	80°37'35.0715"W	136.98	57.006	0.90	-0.80	-1.55
2153.00	14.950	62.680	2138.44	39.26	78.52	122.02	1745306.74	14465236.24	39°49'49.8456"N	80°37'34.9799"W	145.10	57.238	3.13	-1.81	9.71
2185.00	14.690	63.040	2169.38	42.24	82.25	129.30	1745314.02	14465239.97	39°49'49.8822"N	80°37'34.8863"W	153.25	57.538	0.86	-0.81	1.12
2216.00	15.340	65.090	2199.32	45.31	85.76	136.52	1745321.24	14465243.48	39°49'49.9165"N	80°37'34.7935"W	161.23	57.864	2.71	2.10	6.61
2248.00	17.140	66.190	2230.04	48.97	89.45	144.68	1745329.39	14465247.16	39°49'49.9526"N	80°37'34.6888"W	170.10	58.273	5.71	5.63	3.44
2279.00	18.720	68.180	2259.54	53.11	93.14	153.48	1745338.19	14465250.86	39°49'49.9888"N	80°37'34.5759"W	179.53	58.747	5.47	5.10	6.42
2311.00	19.670	67.340	2289.76	57.76	97.13	163.21	1745347.92	14465254.84	39°49'50.0277"N	80°37'34.4508"W	189.93	59.244	3.09	2.97	-2.62
2343.00	19.620	67.420	2319.89	62.44	101.26	173.14	1745357.85	14465258.98	39°49'50.0682"N	80°37'34.3233"W	200.58	59.679	0.18	-0.16	0.25
2375.00	19.690	68.610	2350.03	67.24	105.29	183.12	1745367.82	14465263.00	39°49'50.1076"N	80°37'34.1952"W	211.24	60.102	1.27	0.22	3.72
2405.00	19.890	68.190	2378.26	71.83	109.03	192.57	1745377.26	14465266.74	39°49'50.1442"N	80°37'34.0739"W	221.29	60.481	0.82	0.67	-1.40
2436.00	20.090	66.680	2407.39	76.46	113.10	202.35	1745387.05	14465270.81	39°49'50.1840"N	80°37'33.9483"W	231.82	60.798	1.79	0.65	-4.87
2468.00	19.650	66.200	2437.48	81.04	117.45	212.32	1745397.01	14465275.15	39°49'50.2265"N	80°37'33.8203"W	242.64	61.051	1.47	-1.38	-1.50
2500.00	18.870	64.940	2467.69	85.34	121.81	221.93	1745406.62	14465279.51	39°49'50.2693"N	80°37'33.6969"W	253.16	61.240	2.76	-2.44	-3.94
2531.00	18.200	63.820	2497.09	89.17	126.07	230.82	1745415.50	14465283.77	39°49'50.3110"N	80°37'33.5827"W	263.00	61.358	2.45	-2.16	-3.61
2564.00	18.130	61.950	2528.44	92.91	130.76	239.98	1745424.65	14465288.46	39°49'50.3569"N	80°37'33.4651"W	273.29	61.415	1.78	-0.21	-5.67
2596.00	17.420	62.180	2558.91	96.33	135.33	248.61	1745433.28	14465293.03	39°49'50.4018"N	80°37'33.3542"W	283.06	61.437	2.23	-2.22	0.72
2628.00	17.690	60.490	2589.42	99.60	139.96	257.07	1745441.74	14465297.66	39°49'50.4472"N	80°37'33.2455"W	292.71	61.434	1.80	0.84	-5.28
2659.00	17.400	60.950	2618.98	102.67	144.53	265.23	1745449.89	14465302.23	39°49'50.4920"N	80°37'33.1407"W	302.05	61.412	1.04	-0.94	1.48
2685.00	16.790	62.090	2643.83	105.28	148.18	271.94	1745456.61	14465305.87	39°49'50.5278"N	80°37'33.0544"W	309.69	61.414	2.68	-2.35	4.38
2728.00	15.340	69.220	2685.16	110.11	153.11	282.75	1745467.41	14465310.80	39°49'50.5760"N	80°37'32.9156"W	321.54	61.565	5.69	-3.37	16.58
2771.00	16.300	76.460	2726.53	116.20	156.54	293.94	1745478.59	14465314.23	39°49'50.6095"N	80°37'32.7721"W	333.02	61.962	5.10	2.23	16.84
2814.00	17.770	82.080	2767.65	123.92	158.85	306.30	1745490.95	14465316.54	39°49'50.6319"N	80°37'32.6134"W	345.05	62.588	5.13	3.42	13.07
2857.00	19.350	82.560	2808.41	132.86	160.68	319.87	1745504.51	14465318.37	39°49'50.6494"N	80°37'32.4395"W	357.96	63.328	3.69	3.67	1.12
2901.00	21.210	82.250	2849.68	142.84	162.70	334.98	1745519.62	14465320.39	39°49'50.6687"N	80°37'32.2456"W	372.40	64.094	4.23	4.23	-0.70
2944.00	21.430	79.660	2889.74	152.76	165.16	350.42	1745535.05	14465322.84	39°49'50.6923"N	80°37'32.0476"W	387.39	64.765	2.25	0.51	-6.02
2987.00	22.400	74.250	2929.63	162.04	168.79	366.03	1745550.66	14465326.48	39°49'50.7276"N	80°37'31.8473"W	403.08	65.244	5.21	2.26	-12.58
3030.00	23.670	68.520	2969.21	170.39	174.18	381.95	1745566.57	14465331.86	39°49'50.7802"N	80°37'31.6429"W	419.79	65.486	5.99	2.95	-13.33

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Actual Wellpath Report

Breckenridge S-25HM ST01 AWP Proj: 18631'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-25HM ST01
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02432-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-25HM ST01 AWB
Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

WELLPATH DATA (264 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]
3073.00	24.920	65.640	3008.40	178.00	181.08	398.24	1745582.85	14465338.75	39°49'50.8477"N	80°37'31.4338"W	437.47	65.549	4.00	2.91	-6.70
3117.00	25.980	63.970	3048.13	185.46	189.13	415.34	1745599.95	14465346.80	39°49'50.9265"N	80°37'31.2141"W	456.38	65.518	2.91	2.41	-3.80
3160.00	27.190	62.170	3086.59	192.52	197.85	432.50	1745617.10	14465355.52	39°49'51.0120"N	80°37'30.9938"W	475.60	65.418	3.38	2.81	-4.19
3203.00	28.680	61.370	3124.57	199.48	207.38	450.24	1745634.84	14465365.05	39°49'51.1055"N	80°37'30.7658"W	495.71	65.269	3.57	3.47	-1.86
3246.00	30.040	61.790	3162.05	206.71	217.41	468.78	1745653.37	14465375.08	39°49'51.2038"N	80°37'30.5276"W	516.75	65.119	3.20	3.16	0.98
3290.00	31.620	62.400	3199.83	214.63	227.96	488.71	1745673.29	14465385.62	39°49'51.3073"N	80°37'30.2716"W	539.26	64.993	3.66	3.59	1.39
3333.00	33.320	64.940	3236.11	223.33	238.19	509.40	1745693.97	14465395.85	39°49'51.4075"N	80°37'30.0059"W	562.34	64.940	5.07	3.95	5.91
3376.00	35.010	67.350	3271.69	233.39	247.94	531.49	1745716.05	14465405.60	39°49'51.5029"N	80°37'29.7223"W	586.48	64.991	5.03	3.93	5.60
3462.00	37.840	70.660	3340.89	256.98	266.18	579.16	1745763.70	14465423.83	39°49'51.6812"N	80°37'29.1102"W	637.40	65.316	4.01	3.29	3.85
3549.00	39.490	72.170	3408.82	284.06	283.49	630.68	1745815.20	14465441.13	39°49'51.8502"N	80°37'28.4489"W	691.46	65.796	2.18	1.90	1.74
3635.00	41.210	73.410	3474.36	312.95	299.96	683.87	1745868.37	14465457.59	39°49'52.0107"N	80°37'27.7663"W	746.76	66.317	2.21	2.00	1.44
3721.00	41.640	73.900	3538.84	343.20	315.97	738.47	1745922.95	14465473.60	39°49'52.1666"N	80°37'27.0655"W	803.22	66.835	0.63	0.50	0.57
3807.00	41.120	76.670	3603.38	374.77	330.41	793.44	1745977.90	14465488.03	39°49'52.3071"N	80°37'26.3601"W	859.49	67.392	2.21	-0.60	3.22
3893.00	41.670	78.500	3667.89	408.23	342.63	848.97	1746033.41	14465500.25	39°49'52.4256"N	80°37'25.6476"W	915.51	68.022	1.55	0.64	2.13
3980.00	43.010	80.990	3732.20	444.48	353.05	906.62	1746091.04	14465510.66	39°49'52.5261"N	80°37'24.9081"W	972.94	68.724	2.47	1.54	2.86
4066.00	44.130	81.710	3794.51	482.43	361.96	965.22	1746149.62	14465519.57	39°49'52.6117"N	80°37'24.1565"W	1030.86	69.444	1.42	1.30	0.84
4151.00	44.760	80.370	3855.20	520.29	371.23	1024.01	1746208.38	14465528.84	39°49'52.7009"N	80°37'23.4024"W	1089.23	70.073	1.33	0.74	-1.58
4238.00	43.970	80.120	3917.39	558.33	381.54	1083.97	1746268.31	14465539.14	39°49'52.8002"N	80°37'22.6334"W	1149.15	70.609	0.93	-0.91	-0.29
4324.00	42.770	80.980	3979.91	595.50	391.24	1142.22	1746326.54	14465548.84	39°49'52.8937"N	80°37'21.8862"W	1207.36	71.092	1.56	-1.40	1.00
4410.00	42.560	80.270	4043.15	632.24	400.73	1199.72	1746384.02	14465558.32	39°49'52.9851"N	80°37'21.1486"W	1264.88	71.530	0.61	-0.24	-0.83
4496.00	42.950	79.780	4106.29	668.57	410.84	1257.22	1746441.50	14465568.43	39°49'53.0827"N	80°37'20.4110"W	1322.65	71.903	0.60	0.45	-0.57
4583.00	43.390	79.990	4169.75	705.50	421.30	1315.82	1746500.08	14465578.88	39°49'53.1835"N	80°37'19.6593"W	1381.62	72.246	0.53	0.51	0.24
4669.00	43.210	79.320	4232.33	741.91	431.89	1373.84	1746558.07	14465589.47	39°49'53.2858"N	80°37'18.9150"W	1440.13	72.549	0.57	-0.21	-0.78
4756.00	42.350	79.060	4296.19	778.00	442.97	1431.88	1746616.09	14465600.55	39°49'53.3928"N	80°37'18.1705"W	1498.83	72.810	1.01	-0.99	-0.30
4842.00	41.110	79.600	4360.37	813.07	453.57	1488.13	1746672.32	14465611.14	39°49'53.4953"N	80°37'17.4489"W	1555.72	73.049	1.50	-1.44	0.63
4929.00	41.230	79.810	4425.86	848.46	463.81	1544.48	1746728.65	14465621.38	39°49'53.5941"N	80°37'16.7260"W	1612.62	73.285	0.21	0.14	0.24
5006.00	41.780	80.190	4483.52	880.20	472.67	1594.73	1746778.88	14465630.23	39°49'53.6795"N	80°37'16.0814"W	1663.31	73.491	0.79	0.71	0.49
5092.00	41.130	80.860	4547.98	916.02	482.04	1650.89	1746835.02	14465639.60	39°49'53.7698"N	80°37'15.3611"W	1719.82	73.723	0.92	-0.76	0.76
5179.00	41.010	79.980	4613.57	951.89	491.55	1707.25	1746891.35	14465649.11	39°49'53.8614"N	80°37'14.6381"W	1776.60	73.938	0.68	-0.14	-1.01
5265.00	42.410	80.820	4677.77	987.80	501.09	1763.67	1746947.75	14465658.64	39°49'53.9533"N	80°37'13.9145"W	1833.47	74.139	1.75	1.63	0.98

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Breckenridge S-25HM ST01 AWP Proj: 18631'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-25HM ST01
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02432-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-25HM ST01 AWB
Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

WELLPATH DATA (264 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]
5352.00	41.910	81.440	4742.26	1025.01	510.09	1821.36	1747005.42	14465667.65	39°49'54.0399"N	80°37'13.1744"W	1891.44	74.354	0.75	-0.57	0.71
5438.00	41.240	82.560	4806.60	1062.04	518.04	1877.87	1747061.91	14465675.59	39°49'54.1160"N	80°37'12.4496"W	1948.02	74.578	1.16	-0.78	1.30
5525.00	43.070	82.250	4871.09	1100.24	525.76	1935.75	1747119.76	14465683.30	39°49'54.1899"N	80°37'11.7074"W	2005.88	74.805	2.12	2.10	-0.36
5611.00	44.800	81.010	4933.02	1138.66	534.45	1994.78	1747178.77	14465692.00	39°49'54.2734"N	80°37'10.9503"W	2065.13	75.001	2.25	2.01	-1.44
5697.00	43.210	79.320	4994.88	1175.96	544.65	2053.64	1747237.61	14465702.18	39°49'54.3716"N	80°37'10.1952"W	2124.64	75.147	2.30	-1.85	-1.97
5783.00	40.900	76.950	5058.73	1210.31	556.46	2110.01	1747293.96	14465714.00	39°49'54.4860"N	80°37'9.4720"W	2182.15	75.226	3.26	-2.69	-2.76
5870.00	40.520	74.550	5124.68	1242.21	570.42	2165.00	1747348.93	14465727.95	39°49'54.6217"N	80°37'8.7664"W	2238.88	75.239	1.85	-0.44	-2.76
5956.00	41.180	74.260	5189.74	1272.74	585.55	2219.18	1747403.08	14465743.07	39°49'54.7688"N	80°37'8.0710"W	2295.13	75.219	0.80	0.77	-0.34
6043.00	44.800	73.200	5253.36	1304.32	602.18	2276.11	1747459.99	14465759.70	39°49'54.9308"N	80°37'7.3404"W	2354.42	75.181	4.24	4.16	-1.22
6129.00	46.140	73.850	5313.67	1336.80	619.56	2334.90	1747518.76	14465777.07	39°49'55.1001"N	80°37'6.5859"W	2415.70	75.139	1.65	1.56	0.76
6215.00	45.150	76.600	5373.80	1370.88	635.25	2394.34	1747578.18	14465792.76	39°49'55.2527"N	80°37'5.8230"W	2477.18	75.141	2.56	-1.15	3.20
6293.00	44.830	78.820	5428.97	1403.42	646.99	2448.22	1747632.03	14465804.49	39°49'55.3664"N	80°37'5.1318"W	2532.26	75.197	2.05	-0.41	2.85
6379.00	44.480	79.630	5490.15	1440.37	658.30	2507.59	1747691.39	14465815.79	39°49'55.4756"N	80°37'4.3701"W	2592.56	75.291	0.78	-0.41	0.94
6465.00	43.280	79.390	5552.13	1477.05	669.15	2566.21	1747749.98	14465826.64	39°49'55.5804"N	80°37'3.6182"W	2652.01	75.385	1.41	-1.40	-0.28
6552.00	42.730	79.140	5615.75	1513.36	680.20	2624.51	1747808.26	14465837.68	39°49'55.6871"N	80°37'2.8703"W	2711.22	75.470	0.66	-0.63	-0.29
6638.00	43.100	79.400	5678.74	1549.19	691.10	2682.04	1747865.77	14465848.58	39°49'55.7924"N	80°37'2.1322"W	2769.65	75.551	0.48	0.43	0.30
6725.00	43.430	79.440	5742.09	1585.80	702.05	2740.66	1747924.36	14465859.53	39°49'55.8982"N	80°37'1.3803"W	2829.15	75.632	0.38	0.38	0.05
6811.00	43.780	78.850	5804.36	1622.00	713.22	2798.91	1747982.59	14465870.69	39°49'56.0061"N	80°37'0.6330"W	2888.35	75.704	0.62	0.41	-0.69
6897.00	43.710	78.790	5866.49	1658.01	724.75	2857.24	1748040.90	14465882.22	39°49'56.1176"N	80°36'59.8846"W	2947.73	75.767	0.09	-0.08	-0.07
6984.00	42.830	80.440	5929.84	1694.78	735.50	2915.89	1748099.53	14465892.97	39°49'56.2214"N	80°36'59.1322"W	3007.22	75.843	1.65	-1.01	1.90
7071.00	41.890	80.520	5994.13	1731.62	745.20	2973.70	1748157.32	14465902.66	39°49'56.3147"N	80°36'58.3907"W	3065.65	75.932	1.08	-1.08	0.09
7157.00	41.190	79.200	6058.50	1766.99	755.24	3029.84	1748213.43	14465912.69	39°49'56.4115"N	80°36'57.6705"W	3122.55	76.003	1.30	-0.81	-1.53
7243.00	38.830	79.180	6124.36	1800.76	765.60	3084.15	1748267.72	14465923.06	39°49'56.5117"N	80°36'56.9738"W	3177.75	76.059	2.74	-2.74	-0.02
7330.00	36.920	77.300	6193.04	1832.69	776.47	3136.44	1748319.98	14465933.92	39°49'56.6169"N	80°36'56.3030"W	3231.12	76.095	2.56	-2.20	-2.16
7425.00	36.040	76.930	6269.42	1865.55	789.06	3191.49	1748375.02	14465946.51	39°49'56.7390"N	80°36'55.5966"W	3287.59	76.113	0.95	-0.93	-0.39
7520.00	39.790	80.180	6344.36	1900.73	800.57	3248.70	1748432.20	14465958.01	39°49'56.8503"N	80°36'54.8627"W	3345.89	76.156	4.47	3.95	3.42
7614.00	41.000	81.790	6415.96	1939.44	810.11	3308.86	1748492.34	14465967.54	39°49'56.9420"N	80°36'54.0910"W	3406.58	76.243	1.70	1.29	1.71
7709.00	42.840	82.600	6486.64	1980.79	818.72	3371.74	1748555.19	14465976.15	39°49'57.0244"N	80°36'53.2845"W	3469.71	76.352	2.02	1.94	0.85
7804.00	44.390	83.910	6555.42	2024.40	826.40	3436.81	1748620.24	14465983.83	39°49'57.0976"N	80°36'52.4500"W	3534.77	76.480	1.89	1.63	1.38
7898.00	45.820	83.860	6621.76	2069.26	833.50	3503.02	1748686.42	14465990.92	39°49'57.1648"N	80°36'51.6009"W	3600.81	76.616	1.52	1.52	-0.05

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Breckenridge S-25HM ST01 AWP Proj: 18631'
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Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-25HM ST01
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02432-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-25HM ST01 AWP
Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

WELLPATH DATA (264 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]
7993.00	47.360	84.030	6687.05	2115.80	840.78	3571.65	1748755.02	14465998.20	39°49'57.2338"N	80°36'50.7208"W	3669.27	76.754	1.63	1.62	0.18
8087.00	49.530	92.020	6749.45	2166.78	843.11	3641.84	1748825.19	14466000.54	39°49'57.2540"N	80°36'49.8210"W	3738.16	76.965	6.76	2.31	8.50
8183.00	54.500	102.090	6808.61	2229.12	833.62	3716.71	1748900.03	14465991.05	39°49'57.1569"N	80°36'48.8618"W	3809.05	77.358	9.75	5.18	10.49
8276.00	60.090	109.830	6858.90	2299.66	811.98	3791.78	1748975.07	14465969.41	39°49'56.9399"N	80°36'47.9007"W	3877.75	77.913	9.22	6.01	8.32
8370.00	59.700	118.910	6906.12	2377.23	778.49	3865.74	1749049.01	14465935.93	39°49'56.6057"N	80°36'46.9545"W	3943.35	78.614	8.36	-0.41	9.66
8465.00	64.980	127.470	6950.27	2460.37	732.38	3935.96	1749119.20	14465889.84	39°49'56.1470"N	80°36'46.0570"W	4003.52	79.459	9.72	5.56	9.01
8559.00	69.880	135.190	6986.38	2547.06	675.05	4000.99	1749184.20	14465832.54	39°49'55.5777"N	80°36'45.2266"W	4057.53	80.423	9.20	5.21	8.21
8654.00	75.460	143.140	7014.71	2636.81	606.47	4060.13	1749243.32	14465763.98	39°49'54.8974"N	80°36'44.4723"W	4105.18	81.504	9.91	5.87	8.37
8748.00	81.960	145.380	7033.11	2726.67	531.68	4113.93	1749297.10	14465689.22	39°49'54.1560"N	80°36'43.7869"W	4148.14	82.636	7.30	6.91	2.38
8843.00	86.020	148.590	7043.05	2817.70	452.48	4165.38	1749348.53	14465610.05	39°49'53.3711"N	80°36'43.1318"W	4189.88	83.800	5.44	4.27	3.38
8937.00	86.360	148.830	7049.30	2907.31	372.33	4214.09	1749397.22	14465529.93	39°49'52.5769"N	80°36'42.5119"W	4230.51	84.951	0.44	0.36	0.26
9031.00	87.900	149.700	7054.01	2996.73	291.63	4262.07	1749445.18	14465449.27	39°49'51.7774"N	80°36'41.9014"W	4272.04	86.086	1.88	1.64	0.93
9125.00	87.900	149.900	7057.45	3085.94	210.45	4309.32	1749492.41	14465368.12	39°49'50.9731"N	80°36'41.3002"W	4314.46	87.204	0.21	0.00	0.21
9220.00	88.240	150.030	7060.65	3176.02	128.25	4356.84	1749539.92	14465285.95	39°49'50.1587"N	80°36'40.6956"W	4358.73	88.314	0.38	0.36	0.14
9315.00	88.700	149.590	7063.19	3266.20	46.17	4404.60	1749587.65	14465203.90	39°49'49.3455"N	80°36'40.0881"W	4404.84	89.399	0.67	0.48	-0.46
9409.00	89.160	149.860	7064.94	3355.49	-35.00	4451.98	1749635.02	14465122.76	39°49'48.5413"N	80°36'39.4853"W	4452.12	90.450	0.57	0.49	0.29
9504.00	90.980	149.140	7064.83	3445.85	-116.85	4500.20	1749683.21	14465040.95	39°49'47.7303"N	80°36'38.8719"W	4501.71	91.487	2.06	1.92	-0.76
9600.00	90.850	149.450	7063.29	3537.27	-199.38	4549.21	1749732.21	14464958.45	39°49'46.9126"N	80°36'38.2482"W	4553.58	92.510	0.35	-0.14	0.32
9705.00	90.850	148.740	7061.74	3637.37	-289.46	4603.13	1749786.11	14464868.40	39°49'46.0201"N	80°36'37.5621"W	4612.22	93.598	0.68	0.00	-0.68
9790.00	89.650	148.500	7061.36	3718.62	-362.03	4647.39	1749830.35	14464795.86	39°49'45.3010"N	80°36'36.9988"W	4661.47	94.454	1.44	-1.41	-0.28
9885.00	88.480	149.340	7062.91	3809.26	-443.38	4696.43	1749879.37	14464714.55	39°49'44.4950"N	80°36'36.3749"W	4717.31	95.393	1.52	-1.23	0.88
9980.00	88.630	149.460	7065.31	3899.66	-525.12	4744.77	1749927.69	14464632.83	39°49'43.6851"N	80°36'35.7598"W	4773.74	96.315	0.20	0.16	0.13
10075.00	89.430	149.080	7066.92	3990.13	-606.77	4793.31	1749976.21	14464551.22	39°49'42.8761"N	80°36'35.1422"W	4831.56	97.215	0.93	0.84	-0.40
10169.00	89.250	148.710	7068.00	4079.85	-687.25	4841.86	1750024.75	14464470.77	39°49'42.0786"N	80°36'34.5243"W	4890.39	98.079	0.44	-0.19	-0.39
10264.00	88.940	149.210	7069.50	4170.48	-768.64	4890.84	1750073.71	14464389.41	39°49'41.2722"N	80°36'33.9011"W	4950.87	98.931	0.62	-0.33	0.53
10358.00	88.660	149.500	7071.47	4259.95	-849.49	4938.75	1750121.59	14464308.59	39°49'40.4711"N	80°36'33.2916"W	5011.27	99.760	0.43	-0.30	0.31
10453.00	88.910	149.810	7073.49	4350.22	-931.46	4986.73	1750169.56	14464226.66	39°49'39.6590"N	80°36'32.6812"W	5072.98	100.580	0.42	0.26	0.33
10547.00	87.800	149.410	7076.18	4439.55	-1012.51	5034.26	1750217.07	14464145.64	39°49'38.8560"N	80°36'32.0765"W	5135.07	101.372	1.26	-1.18	-0.43
10641.00	87.860	150.060	7079.74	4528.78	-1093.64	5081.60	1750264.39	14464064.54	39°49'38.0522"N	80°36'31.4743"W	5197.95	102.146	0.69	0.06	0.69
10736.00	87.120	150.050	7083.90	4618.78	-1175.87	5128.98	1750311.75	14463982.33	39°49'37.2374"N	80°36'30.8717"W	5262.04	102.913	0.78	-0.78	-0.01

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Breckenridge S-25HM ST01 AWP Proj: 18631'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-25HM ST01
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02432-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-25HM ST01 AWB
Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

WELLPATH DATA (264 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]
10830.00	87.340	150.370	7088.45	4707.73	-1257.36	5175.63	1750358.38	14463900.88	39°49'36.4301"N	80°36'30.2784"W	5326.17	103.655	0.41	0.23	0.34
10924.00	87.430	150.600	7092.73	4796.54	-1339.07	5221.89	1750404.62	14463819.20	39°49'35.6206"N	80°36'29.6900"W	5390.85	104.383	0.26	0.10	0.24
11019.00	87.460	150.490	7096.97	4886.27	-1421.71	5268.56	1750451.27	14463736.59	39°49'34.8019"N	80°36'29.0965"W	5457.01	105.101	0.12	0.03	-0.12
11113.00	87.670	150.780	7100.96	4975.02	-1503.56	5314.61	1750497.31	14463654.78	39°49'33.9910"N	80°36'28.5108"W	5523.20	105.797	0.38	0.22	0.31
11208.00	87.830	150.390	7104.69	5064.75	-1586.25	5361.23	1750543.91	14463572.12	39°49'33.1718"N	80°36'27.9179"W	5590.97	106.482	0.44	0.17	-0.41
11303.00	87.980	154.200	7108.17	5153.51	-1670.28	5405.36	1750588.02	14463488.12	39°49'32.3394"N	80°36'27.3570"W	5657.54	107.171	4.01	0.16	4.01
11398.00	87.860	154.870	7111.62	5240.90	-1756.00	5446.18	1750628.83	14463402.44	39°49'31.4906"N	80°36'26.8387"W	5722.27	107.871	0.72	-0.13	0.71
11492.00	86.930	150.730	7115.89	5328.40	-1839.50	5489.09	1750671.72	14463318.97	39°49'30.6635"N	80°36'26.2934"W	5789.12	108.527	4.51	-0.99	-4.40
11587.00	87.210	150.500	7120.75	5418.06	-1922.17	5535.64	1750718.26	14463236.33	39°49'29.8445"N	80°36'25.7014"W	5859.87	109.149	0.38	0.29	-0.24
11682.00	86.810	150.350	7125.70	5507.83	-2004.68	5582.47	1750765.06	14463153.85	39°49'29.0271"N	80°36'25.1059"W	5931.50	109.753	0.45	-0.42	-0.16
11777.00	86.840	150.550	7130.96	5597.56	-2087.19	5629.25	1750811.83	14463071.37	39°49'28.2096"N	80°36'24.5109"W	6003.73	110.344	0.21	0.03	0.21
11872.00	87.340	150.510	7135.79	5687.27	-2169.79	5675.93	1750858.48	14462988.80	39°49'27.3913"N	80°36'23.9174"W	6076.52	110.921	0.53	0.53	-0.04
11967.00	89.120	150.520	7138.72	5777.06	-2252.45	5722.66	1750905.20	14462906.18	39°49'26.5724"N	80°36'23.3230"W	6149.99	111.485	1.87	1.87	0.01
12062.00	89.030	149.740	7140.25	5867.10	-2334.82	5769.97	1750952.49	14462823.84	39°49'25.7563"N	80°36'22.7214"W	6224.46	112.031	0.83	-0.09	-0.82
12156.00	89.020	148.690	7141.85	5956.64	-2415.56	5818.07	1751000.57	14462743.13	39°49'24.9563"N	80°36'22.1094"W	6299.59	112.547	1.12	-0.01	-1.12
12251.00	89.050	150.280	7143.45	6047.01	-2497.39	5866.30	1751048.78	14462661.34	39°49'24.1456"N	80°36'21.4959"W	6375.77	113.060	1.67	0.03	1.67
12345.00	88.960	149.590	7145.09	6136.19	-2578.73	5913.38	1751095.85	14462580.03	39°49'23.3397"N	80°36'20.8970"W	6451.20	113.561	0.74	-0.10	-0.73
12440.00	89.210	150.530	7146.60	6226.26	-2661.04	5960.79	1751143.24	14462497.75	39°49'22.5242"N	80°36'20.2941"W	6527.80	114.057	1.02	0.26	0.99
12534.00	88.900	152.280	7148.15	6314.65	-2743.56	6005.77	1751188.20	14462415.26	39°49'21.7067"N	80°36'19.7222"W	6602.76	114.552	1.89	-0.33	1.86
12628.00	88.930	152.950	7149.93	6402.34	-2827.01	6049.00	1751231.42	14462331.84	39°49'20.8801"N	80°36'19.1729"W	6677.00	115.049	0.71	0.03	0.71
12723.00	88.780	150.050	7151.83	6491.61	-2910.47	6094.32	1751276.71	14462248.41	39°49'20.0533"N	80°36'18.5968"W	6753.63	115.528	3.06	-0.16	-3.05
12818.00	88.840	149.640	7153.80	6581.78	-2992.60	6142.03	1751324.41	14462166.32	39°49'19.2396"N	80°36'17.9900"W	6832.29	115.977	0.44	0.06	-0.43
12912.00	88.810	150.110	7155.73	6670.99	-3073.88	6189.20	1751371.56	14462085.07	39°49'18.4343"N	80°36'17.3901"W	6910.49	116.411	0.50	-0.03	0.50
13007.00	88.930	150.010	7157.61	6761.06	-3156.19	6236.60	1751418.94	14462002.79	39°49'17.6188"N	80°36'16.7872"W	6989.76	116.843	0.16	0.13	-0.11
13102.00	88.650	147.760	7159.61	6851.71	-3237.50	6285.68	1751468.00	14461921.51	39°49'16.8131"N	80°36'16.1628"W	7070.44	117.251	2.39	-0.29	-2.37
13197.00	88.560	148.930	7161.92	6942.62	-3318.34	6335.52	1751517.82	14461840.70	39°49'16.0120"N	80°36'15.5286"W	7151.94	117.644	1.23	-0.09	1.23
13291.00	89.330	149.280	7163.66	7032.22	-3398.99	6383.78	1751566.06	14461760.09	39°49'15.2129"N	80°36'14.9147"W	7232.27	118.033	0.90	0.82	0.37
13386.00	89.140	149.000	7164.92	7122.77	-3480.53	6432.50	1751614.77	14461678.58	39°49'14.4049"N	80°36'14.2949"W	7313.77	118.417	0.36	-0.20	-0.29
13480.00	89.200	148.790	7166.29	7212.48	-3561.00	6481.06	1751663.30	14461598.13	39°49'13.6075"N	80°36'13.6772"W	7394.92	118.787	0.23	0.06	-0.22
13575.00	89.300	149.100	7167.53	7303.12	-3642.38	6530.06	1751712.29	14461516.79	39°49'12.8011"N	80°36'13.0538"W	7477.21	119.152	0.34	0.11	0.33

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Breckenridge S-25HM ST01 AWP Proj: 18631'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-25HM ST01
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02432-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-25HM ST01 AWB
Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

WELLPATH DATA (264 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]
13670.00	89.200	148.150	7168.77	7393.92	-3723.48	6579.52	1751761.72	14461435.72	39°49'11.9975"N	80°36'12.4246"W	7560.05	119.506	1.01	-0.11	-1.00
13765.00	89.260	149.220	7170.05	7484.69	-3804.63	6628.89	1751811.08	14461354.60	39°49'11.1933"N	80°36'11.7964"W	7643.13	119.854	1.13	0.06	1.13
13859.00	89.110	149.080	7171.39	7574.28	-3885.33	6677.08	1751859.25	14461273.94	39°49'10.3938"N	80°36'11.1833"W	7725.23	120.195	0.22	-0.16	-0.15
13955.00	89.200	148.750	7172.80	7665.89	-3967.53	6726.64	1751908.80	14461191.76	39°49'9.5792"N	80°36'10.5529"W	7809.55	120.533	0.36	0.09	-0.34
14049.00	89.390	149.870	7173.96	7755.39	-4048.36	6774.62	1751956.75	14461110.97	39°49'8.7783"N	80°36'9.9427"W	7892.06	120.862	1.21	0.20	1.19
14144.00	89.260	149.130	7175.08	7845.76	-4130.21	6822.83	1752004.94	14461029.15	39°49'7.9674"N	80°36'9.3294"W	7975.56	121.189	0.79	-0.14	-0.78
14239.00	89.320	149.780	7176.25	7936.14	-4212.02	6871.11	1752053.20	14460947.37	39°49'7.1567"N	80°36'8.7154"W	8059.35	121.508	0.69	0.06	0.68
14334.00	89.320	149.500	7177.38	8026.44	-4293.98	6919.12	1752101.19	14460865.44	39°49'6.3446"N	80°36'8.1048"W	8143.25	121.824	0.29	0.00	-0.29
14429.00	89.140	148.400	7178.66	8117.07	-4375.36	6968.11	1752150.17	14460784.09	39°49'5.5382"N	80°36'7.4815"W	8227.90	122.125	1.17	-0.19	-1.16
14524.00	89.260	149.050	7179.99	8207.82	-4456.55	7017.43	1752199.46	14460702.93	39°49'4.7337"N	80°36'6.8541"W	8312.95	122.418	0.70	0.13	0.68
14619.00	89.450	149.420	7181.05	8298.32	-4538.18	7066.02	1752248.04	14460621.34	39°49'3.9249"N	80°36'6.2361"W	8397.84	122.711	0.44	0.20	0.39
14714.00	89.570	149.170	7181.87	8388.80	-4619.86	7114.52	1752296.52	14460539.69	39°49'3.1156"N	80°36'5.6191"W	8482.90	122.998	0.29	0.13	-0.26
14808.00	89.510	150.130	7182.62	8478.13	-4700.97	7162.02	1752344.00	14460458.61	39°49'2.3119"N	80°36'5.0151"W	8567.01	123.280	1.02	-0.06	1.02
14903.00	89.380	148.200	7183.54	8568.67	-4782.53	7210.71	1752392.67	14460377.08	39°49'1.5037"N	80°36'4.3958"W	8652.57	123.554	2.04	-0.14	-2.03
14998.00	89.320	149.310	7184.62	8659.40	-4863.75	7259.98	1752441.92	14460295.90	39°49'0.6989"N	80°36'3.7690"W	8738.61	123.820	1.17	-0.06	1.17
15093.00	89.450	150.410	7185.64	8749.58	-4945.90	7307.68	1752489.60	14460213.78	39°48'59.8850"N	80°36'3.1624"W	8824.06	124.090	1.17	0.14	1.16
15188.00	89.440	149.690	7186.56	8839.66	-5028.21	7355.10	1752537.01	14460131.50	39°48'59.0694"N	80°36'2.5593"W	8909.57	124.358	0.76	-0.01	-0.76
15283.00	89.690	151.960	7187.28	8929.32	-5111.15	7401.41	1752583.30	14460048.59	39°48'58.2478"N	80°36'1.9707"W	8994.70	124.628	2.40	0.26	2.39
15377.00	89.510	151.240	7187.94	9017.62	-5193.83	7446.12	1752627.99	14459965.94	39°48'57.4286"N	80°36'1.4025"W	9078.58	124.897	0.79	-0.19	-0.77
15472.00	89.600	150.510	7188.68	9107.26	-5276.82	7492.35	1752674.21	14459882.99	39°48'56.6065"N	80°36'0.8147"W	9164.07	125.157	0.77	0.09	-0.77
15566.00	89.440	149.740	7189.46	9196.35	-5358.32	7539.17	1752721.01	14459801.52	39°48'55.7990"N	80°36'0.2193"W	9249.37	125.403	0.84	-0.17	-0.82
15661.00	89.350	149.500	7190.47	9286.65	-5440.27	7587.22	1752769.03	14459719.60	39°48'54.9870"N	80°35'59.6084"W	9336.08	125.642	0.27	-0.09	-0.25
15756.00	89.470	149.940	7191.44	9376.91	-5522.31	7635.11	1752816.91	14459637.59	39°48'54.1741"N	80°35'58.9993"W	9422.89	125.877	0.48	0.13	0.46
15851.00	89.540	150.110	7192.27	9467.00	-5604.60	7682.58	1752864.36	14459555.34	39°48'53.3588"N	80°35'58.3957"W	9509.65	126.112	0.19	0.07	0.18
15946.00	89.470	150.750	7193.09	9556.88	-5687.22	7729.46	1752911.22	14459472.74	39°48'52.5402"N	80°35'57.7997"W	9596.30	126.345	0.68	-0.07	0.67
16041.00	89.380	149.950	7194.04	9646.80	-5769.78	7776.45	1752958.19	14459390.22	39°48'51.7223"N	80°35'57.2022"W	9683.16	126.574	0.85	-0.09	-0.84
16135.00	89.560	152.220	7194.91	9735.38	-5852.05	7821.90	1753003.62	14459307.98	39°48'50.9072"N	80°35'56.6246"W	9768.75	126.802	2.42	0.19	2.41
16230.00	89.560	151.960	7195.64	9824.33	-5936.00	7866.36	1753048.07	14459224.06	39°48'50.0756"N	80°35'56.0596"W	9854.73	127.038	0.27	0.00	-0.27
16325.00	89.410	149.700	7196.49	9913.99	-6018.94	7912.66	1753094.35	14459141.15	39°48'49.2539"N	80°35'55.4711"W	9941.72	127.259	2.38	-0.16	-2.38
16420.00	89.130	149.720	7197.70	10004.24	-6100.96	7960.57	1753142.24	14459059.16	39°48'48.4411"N	80°35'54.8618"W	10029.58	127.466	0.30	-0.29	0.02

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Breckenridge S-25HM ST01 AWP Proj: 18631'
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REFERENCE WELLPATH IDENTIFICATION

Operator	EQT PRODUCTION COMPANY	Well	Breckenridge S-25HM ST01
Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02432-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-25HM ST01 AWB
Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

WELLPATH DATA (264 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]
16516.00	90.550	150.150	7197.97	10095.33	-6184.05	8008.66	1753190.32	14458976.11	39°48'47.6179"N	80°35'54.2503"W	10118.36	127.674	1.55	1.48	0.45
16611.00	89.160	148.580	7198.21	10185.77	-6265.78	8057.07	1753238.70	14458894.41	39°48'46.8080"N	80°35'53.6347"W	10206.68	127.871	2.21	-1.46	-1.65
16705.00	89.870	149.680	7199.01	10275.37	-6346.46	8105.30	1753286.91	14458813.76	39°48'46.0086"N	80°35'53.0213"W	10294.34	128.061	1.39	0.76	1.17
16801.00	89.960	146.930	7199.15	10367.28	-6428.13	8155.73	1753337.33	14458732.12	39°48'45.1992"N	80°35'52.3797"W	10384.45	128.244	2.87	0.09	-2.86
16895.00	90.150	143.460	7199.06	10458.61	-6505.31	8209.38	1753390.95	14458654.98	39°48'44.4342"N	80°35'51.6967"W	10474.39	128.394	3.70	0.20	-3.69
16990.00	90.270	148.670	7198.71	10550.54	-6584.10	8262.39	1753443.94	14458576.22	39°48'43.6532"N	80°35'51.0219"W	10564.92	128.550	5.49	0.13	5.48
17134.00	89.500	150.720	7199.00	10687.36	-6708.41	8335.05	1753516.57	14458451.95	39°48'42.4214"N	80°35'50.0980"W	10699.34	128.829	1.52	-0.53	1.42
17179.00	90.240	151.320	7199.10	10729.79	-6747.78	8356.85	1753538.37	14458412.60	39°48'42.0314"N	80°35'49.8209"W	10741.02	128.919	2.12	1.64	1.33
17273.00	90.180	151.130	7198.76	10818.29	-6830.17	8402.10	1753583.60	14458330.24	39°48'41.2151"N	80°35'49.2458"W	10828.04	129.108	0.21	-0.06	-0.20
17368.00	90.670	151.040	7198.05	10907.81	-6913.32	8448.03	1753629.51	14458247.12	39°48'40.3913"N	80°35'48.6620"W	10916.20	129.295	0.52	0.52	-0.09
17462.00	90.820	151.170	7196.83	10996.38	-6995.61	8493.45	1753674.91	14458164.86	39°48'39.5761"N	80°35'48.0848"W	11003.51	129.477	0.21	0.16	0.14
17557.00	90.950	151.140	7195.36	11085.86	-7078.82	8539.28	1753720.72	14458081.69	39°48'38.7518"N	80°35'47.5024"W	11091.84	129.658	0.14	0.14	-0.03
17651.00	89.680	151.220	7194.85	11174.38	-7161.17	8584.59	1753766.02	14457999.37	39°48'37.9359"N	80°35'46.9265"W	11179.34	129.834	1.35	-1.35	0.09
17745.00	89.590	150.780	7195.45	11263.01	-7243.38	8630.16	1753811.57	14457917.19	39°48'37.1214"N	80°35'46.3473"W	11267.04	130.007	0.48	-0.10	-0.47
17840.00	89.620	150.770	7196.10	11352.71	-7326.29	8676.54	1753857.93	14457834.31	39°48'36.3000"N	80°35'45.7577"W	11355.92	130.177	0.03	0.03	-0.01
17934.00	90.170	151.480	7196.27	11441.27	-7408.60	8721.93	1753903.31	14457752.03	39°48'35.4845"N	80°35'45.1808"W	11443.76	130.345	0.96	0.59	0.76
18029.00	89.840	151.010	7196.26	11530.70	-7491.89	8767.64	1753948.99	14457668.78	39°48'34.6594"N	80°35'44.6001"W	11532.55	130.514	0.60	-0.35	-0.49
18123.00	89.740	150.840	7196.61	11619.37	-7574.04	8813.32	1753994.65	14457586.66	39°48'33.8455"N	80°35'44.0195"W	11620.70	130.675	0.21	-0.11	-0.18
18218.00	89.560	150.530	7197.19	11709.12	-7656.87	8859.83	1754041.15	14457503.86	39°48'33.0248"N	80°35'43.4283"W	11710.01	130.834	0.38	-0.19	-0.33
18313.00	89.770	150.370	7197.74	11798.99	-7739.51	8906.68	1754087.98	14457421.25	39°48'32.2060"N	80°35'42.8327"W	11799.53	130.989	0.28	0.22	-0.17
18407.00	90.050	151.370	7197.89	11887.69	-7821.62	8952.44	1754133.72	14457339.17	39°48'31.3925"N	80°35'42.2511"W	11887.97	131.143	1.10	0.30	1.06
18501.00	89.930	151.050	7197.91	11976.20	-7904.00	8997.71	1754178.97	14457256.82	39°48'30.5764"N	80°35'41.6758"W	11976.31	131.298	0.36	-0.13	-0.34
18596.00	89.840	151.050	7198.10	12065.75	-7987.13	9043.69	1754224.94	14457173.73	39°48'29.7528"N	80°35'41.0914"W	12065.76	131.450	0.09	-0.09	0.00
18631.00†	89.840	151.050	7198.20	12098.74	-8017.76	9060.63	1754241.87	14457143.11	39°48'29.4493"N	80°35'40.8761"W	12098.74	131.506	0.00	0.00	0.00

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Field	Marshall (NAD83 / UTM / Grid)	API	47-051-02432-0000
Facility	Breckenridge Pad	Wellbore	Breckenridge S-25HM ST01 AWB
Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

HOLE & CASING SECTIONS - Ref Wellbore: Breckenridge S-25HM ST01 AWB Ref Wellpath: Breckenridge S-25HM ST01 AWP Proj: 18631'

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	-0.15	0.23
17.5in Open Hole	148.00	1165.00	1017.00	148.00	1164.94	-0.15	0.23	6.92	-1.82
13.375in Casing Surface	28.00	1165.00	1137.00	28.00	1164.94	0.00	0.00	6.92	-1.82
12.25in Open Hole	1165.00	2637.00	1472.00	1164.94	2598.00	6.92	-1.82	141.31	259.45
9.625in Casing Intermediate	28.00	2637.00	2609.00	28.00	2598.00	0.00	0.00	141.31	259.45
8.75in Open Hole	2637.00	2659.00	22.00	2598.00	2618.98	141.31	259.45	144.53	265.23
8.75in Open Hole	2659.00	7410.00	4751.00	2618.98	6257.30	144.53	265.23	787.07	3182.88
8.5in Open Hole	7410.00	18631.00	11221.00	6257.30	7198.20	787.07	3182.88	-8017.76	9060.63
5.5in Casing Production	28.00	18631.00	18603.00	28.00	7198.20	0.00	0.00	-8017.76	9060.63

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Breckenridge S-25HM LP Rev-2	7022.00	491.64	4148.39	1749331.54	14465649.20	39°49'53.7589"N	80°36'43.3474"W	point
Breckenridge S-25HM BHL Rev-2	7365.11	-8024.36	9056.69	1754237.93	14457136.52	39°48'29.3843"N	80°35'40.9271"W	point

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Facility	Breckenridge Pad	Wellbore	Breckenridge S-25HM ST01 AWB
Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

WELLPATH COMPOSITION - Ref Wellbore: Breckenridge S-25HM ST01 AWB Ref Wellpath: Breckenridge S-25HM ST01 AWP Proj: 18631'

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"> (162'-1129')	Breckenridge S-25HM AWB	10/24/2024
1144.00	2659.00	OWSG MWD rev2 - Standard	02 MWD <12-1/4"> (1129')(1158'-2834')	Breckenridge S-25HM AWB	10/24/2024
2659.00	7330.00	OWSG MWD rev2 + HRGM	03 SDI MWD <8-3/4"> (2659')(2685'-7330')	Breckenridge S-25HM ST01 AWB	10/25/2024
7330.00	18631.00	OWSG MWD rev2 + IFR1 + Sag + Multi-Station Correction	04 BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (7330')(7425'-18596')	Breckenridge S-25HM ST01 AWB	11/30/2024

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Facility	Breckenridge Pad	Wellbore	Breckenridge S-25HM ST01 AWB
Slot	Slot #25	Sidetrack from	Breckenridge S-25HM AWP Proj: 2908' at 2659.00 MD

COMMENTS

Wellpath general comments

API: 47-051-02432-0000

BH Job #: 112450802

Rig: Patterson 294

Duration: 12/2/2024-12/3/2024

MWD <17-1/2"> (162'-1129')

MWD <12-1/4"> (1129')(1158'-2644')

SDI MWD <8-3/4"> (2659')(2685'-7330')

BH Lucida+SuperiorQC IFR1+Sag+FDIR <8-1/2"> (7330')(7425'-18596')

Projected MD at TD: 18631'

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