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Actual Wellpath Report

Conline 03-20S-35E RN #121H AWP 167'-15032' Proj to TD: 15119'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Conline 03-20S-35E RN #121H
Area	Lea County, NM	Well	Conline 03-20S-35E RN #121H
Field	Conline 03-20S-35E RN #121H	Wellbore	Conline 03-20S-35E RN #121H AWP
Facility	Conline 03-20S-35E RN #121H		

WELLPATH DATA (180 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]	Toolface [°]
0.00†	0.000	297.500	0.00	0.00	0.00	0.00	771289.00	586051.00	32°36'29.048"N	103°27'08.437"W	0.00	0.000	0.00	0.00
28.50	0.000	297.500	28.50	0.00	0.00	0.00	771289.00	586051.00	32°36'29.048"N	103°27'08.437"W	0.00	0.000	0.00	0.00
167.00	0.000	223.300	167.00	0.00	0.00	0.00	771289.00	586051.00	32°36'29.048"N	103°27'08.437"W	0.00	0.000	0.00	-62.50
266.00	0.100	297.500	266.00	-0.10	0.05	-0.10	771288.90	586051.05	32°36'29.049"N	103°27'08.438"W	0.11	297.500	0.08	119.58
484.00	0.200	31.300	484.00	-0.07	0.41	-0.07	771288.93	586051.41	32°36'29.052"N	103°27'08.438"W	0.41	349.598	0.12	24.36
668.00	0.300	39.700	668.00	0.40	1.05	0.40	771289.40	586052.05	32°36'29.056"N	103°27'08.432"W	1.13	20.780	0.06	-92.30
859.00	0.300	35.100	859.00	1.02	1.85	1.01	771290.01	586052.85	32°36'29.066"N	103°27'08.425"W	2.10	28.589	0.01	-90.90
940.00	0.300	33.300	939.99	1.26	2.20	1.24	771290.24	586053.20	32°36'29.070"N	103°27'08.422"W	2.53	29.530	0.01	39.77
1031.00	0.400	44.400	1030.99	1.61	2.62	1.60	771290.60	586054.24	32°36'29.074"N	103°27'08.418"W	3.07	31.343	0.13	-14.82
1125.00	0.600	39.400	1124.99	2.16	3.24	2.14	771291.14	586054.62	32°36'29.080"N	103°27'08.412"W	3.88	33.456	0.22	90.15
1219.00	0.600	39.700	1218.98	2.79	4.00	2.77	771291.77	586055.00	32°36'29.087"N	103°27'08.404"W	4.86	34.687	0.00	-67.42
1312.00	0.700	24.600	1311.98	3.34	4.89	3.31	771292.31	586055.89	32°36'29.096"N	103°27'08.398"W	5.91	34.135	0.21	33.37
1406.00	0.800	29.200	1405.97	3.90	5.98	3.87	771292.87	586056.98	32°36'29.107"N	103°27'08.391"W	7.13	32.916	0.12	25.97
1499.00	1.100	36.600	1498.96	4.76	7.27	4.72	771293.72	586058.27	32°36'29.134"N	103°27'08.381"W	8.67	33.017	0.35	-91.70
1593.00	1.100	33.200	1592.94	5.80	8.75	5.75	771294.75	586059.75	32°36'29.142"N	103°27'08.369"W	10.47	33.342	0.07	-94.85
1686.00	1.100	23.500	1685.92	6.65	10.31	6.60	771295.60	586061.31	32°36'29.150"N	103°27'08.359"W	12.24	32.617	0.20	93.85
1747.00	1.100	31.200	1746.91	7.19	11.35	7.14	771296.14	586062.35	32°36'29.160"N	103°27'08.353"W	13.41	32.159	0.24	158.63
1869.00	0.800	39.900	1868.89	8.35	13.00	8.29	771297.29	586064.00	32°36'29.176"N	103°27'08.339"W	15.42	32.512	0.27	-93.89
1963.00	1.200	34.700	1962.88	8.57	14.47	8.50	771297.50	586065.47	32°36'29.190"N	103°27'08.336"W	16.78	30.431	1.01	-31.65
2066.00	2.000	334.400	2055.84	7.67	16.89	7.59	771296.59	586067.88	32°36'29.214"N	103°27'08.347"W	18.51	24.209	0.94	-29.85
2150.00	3.300	322.100	2149.74	5.32	20.50	5.22	771294.22	586071.50	32°36'29.250"N	103°27'08.374"W	21.15	14.288	1.50	-37.51
2243.00	4.500	311.100	2244.53	0.94	25.01	0.83	771289.83	586076.01	32°36'29.295"N	103°27'08.425"W	25.02	1.894	1.51	-22.81
2337.00	4.800	309.600	2336.22	-4.84	29.94	-4.98	771284.02	586080.94	32°36'29.345"N	103°27'08.492"W	30.35	350.552	0.34	-21.47
2431.00	5.000	308.700	2429.87	-11.04	35.01	-11.21	771277.79	586086.01	32°36'29.395"N	103°27'08.565"W	36.76	342.246	0.23	28.14
2524.00	5.100	309.300	2522.51	-17.38	40.16	-17.57	771271.43	586091.16	32°36'29.447"N	103°27'08.639"W	43.84	336.370	0.12	171.80
2618.00	4.600	310.200	2616.18	-23.47	45.24	-23.68	771265.32	586096.24	32°36'29.498"N	103°27'08.710"W	51.06	332.368	0.54	-117.85
2711.00	4.200	296.800	2708.90	-29.34	49.18	-29.57	771259.43	586100.18	32°36'29.537"N	103°27'08.778"W	57.39	328.983	1.18	172.46
2805.00	3.800	297.600	2802.68	-35.16	52.18	-35.40	771253.60	586103.18	32°36'29.567"N	103°27'08.846"W	63.06	325.842	0.43	139.26
2898.00	3.400	303.700	2895.49	-40.17	55.14	-40.43	771248.57	586106.14	32°36'29.597"N	103°27'08.904"W	68.37	323.748	0.59	42.75
3085.00	4.100	312.200	3082.09	-49.70	62.70	-50.00	771239.00	586113.70	32°36'29.673"N	103°27'09.015"W	80.20	321.433	0.48	-22.31

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Operator	Matador Resources	Slot	Conine 03-20S-35E RN #121H
Area	Lea County, NM	Well	Conine 03-20S-35E RN #121H
Field	Conine 03-20S-35E RN #121H	Wellbore	Conine 03-20S-35E RN #121H AWP
Facility	Conine 03-20S-35E RN #121H		

WELLPATH DATA (180 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]	Tooface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
3179.00	5.200	307.300	3175.78	-55.55	67.54	-55.87	771233.13	586118.54	32°36'29.721"N	103°27'09.084"W	87.66	320.401	1.24	93.64	1.17	-5.21	
3273.00	5.200	314.600	3269.40	-61.95	73.11	-62.30	771226.71	586124.11	32°36'29.777"N	103°27'09.158"W	96.05	319.568	0.70	140.76	0.00	7.77	
3366.00	5.000	316.500	3362.03	-67.71	79.01	-68.09	771220.91	586130.01	32°36'29.835"N	103°27'09.225"W	104.30	319.249	0.28	-160.58	-0.22	2.04	
3460.00	4.200	312.600	3455.72	-73.04	84.32	-73.44	771215.56	586135.31	32°36'29.888"N	103°27'09.287"W	111.81	318.944	0.91	-166.09	-0.85	-4.15	
3554.00	3.800	311.100	3549.49	-77.90	88.69	-78.32	771210.68	586139.69	32°36'29.982"N	103°27'09.344"W	118.32	318.554	0.44	123.69	-0.43	-1.60	
3647.00	3.700	313.500	3642.30	-82.38	92.78	-82.82	771206.18	586143.78	32°36'29.973"N	103°27'09.396"W	124.37	318.248	0.20	-20.92	-0.11	2.58	
3741.00	4.700	308.900	3736.04	-87.56	97.29	-88.02	771200.98	586148.29	32°36'30.018"N	103°27'09.457"W	131.20	317.865	1.12	125.16	1.06	-4.89	
3834.00	4.500	312.700	3828.74	-93.18	102.16	-93.66	771195.34	586153.16	32°36'30.066"N	103°27'09.522"W	138.60	317.484	0.39	-127.16	-0.22	4.09	
3928.00	4.200	306.900	3922.47	-98.62	106.72	-99.13	771189.87	586157.72	32°36'30.112"N	103°27'09.585"W	145.66	317.114	0.57	139.46	-0.32	-6.17	
4021.00	4.000	309.400	4015.23	-103.83	110.83	-104.36	771184.64	586161.83	32°36'30.153"N	103°27'09.646"W	152.23	316.723	0.29	-135.88	-0.22	2.69	
4114.00	3.700	304.700	4108.02	-108.79	114.60	-109.33	771179.67	586165.59	32°36'30.191"N	103°27'09.704"W	158.38	316.347	0.47	90.20	-0.32	-5.05	
4208.00	3.700	305.100	4201.83	-113.75	118.07	-114.30	771174.70	586169.07	32°36'30.226"N	103°27'09.762"W	164.33	315.927	0.03	-90.75	0.00	0.43	
4301.00	3.700	303.600	4294.64	-118.69	121.45	-119.26	771169.74	586172.45	32°36'30.260"N	103°27'09.819"W	170.22	315.522	0.10	2.15	0.00	-1.61	
4395.00	4.300	303.900	4388.41	-124.12	125.10	-124.71	771164.29	586176.10	32°36'30.296"N	103°27'09.883"W	176.64	315.089	0.64	38.32	0.64	0.32	
4488.00	4.600	306.800	4481.13	-129.98	129.27	-130.59	771158.41	586180.27	32°36'30.338"N	103°27'09.951"W	183.75	314.710	0.40	-18.17	0.32	3.12	
4582.00	4.700	306.400	4574.81	-136.08	133.82	-136.71	771152.29	586184.82	32°36'30.383"N	103°27'10.022"W	191.30	314.388	0.11	-113.24	0.11	-0.43	
4675.00	4.600	303.300	4667.51	-142.24	138.13	-142.89	771146.11	586189.13	32°36'30.426"N	103°27'10.094"W	198.74	314.028	0.29	-168.64	-0.11	-3.33	
4769.00	4.200	302.200	4761.23	-148.28	142.03	-148.96	771140.05	586193.03	32°36'30.466"N	103°27'10.165"W	205.82	313.637	0.43	0.00	-0.43	-1.17	
4840.00	4.200	302.200	4832.04	-152.67	144.80	-153.36	771135.65	586195.80	32°36'30.493"N	103°27'10.216"W	210.92	313.357	0.00	-140.56	0.00	0.00	
4863.00	4.000	299.800	4854.98	-154.08	145.65	-154.76	771134.24	586196.65	32°36'30.502"N	103°27'10.232"W	212.52	313.262	1.15	2.10	-0.87	-10.43	
4956.00	4.200	299.900	4947.75	-159.83	148.96	-160.53	771128.47	586199.96	32°36'30.535"N	103°27'10.299"W	219.00	312.858	0.22	-46.75	0.22	0.11	
5050.00	4.300	298.500	5041.49	-165.89	152.36	-166.61	771122.39	586203.35	32°36'30.569"N	103°27'10.370"W	225.77	312.441	0.15	-90.95	0.11	-1.49	
5143.00	4.300	296.600	5134.23	-172.06	155.58	-172.79	771116.21	586206.58	32°36'30.602"N	103°27'10.442"W	232.51	311.999	0.15	170.76	0.00	-2.04	
5237.00	4.000	297.300	5227.98	-178.11	158.66	-178.86	771110.14	586209.66	32°36'30.633"N	103°27'10.512"W	239.09	311.576	0.32	-35.14	-0.32	0.74	
5331.00	4.200	295.400	5321.74	-184.12	161.64	-184.88	771104.12	586212.64	32°36'30.663"N	103°27'10.583"W	245.58	311.163	0.26	156.30	0.21	-2.02	
5424.00	3.100	304.700	5414.55	-189.25	164.53	-190.02	771098.98	586215.53	32°36'30.692"N	103°27'10.647"W	251.36	310.888	1.34	156.99	-1.18	10.00	
5518.00	1.800	324.000	5508.46	-192.19	167.18	-192.98	771096.02	586218.17	32°36'30.718"N	103°27'10.677"W	255.32	310.902	1.62	172.53	-1.38	20.53	
5612.00	1.300	326.900	5602.43	-193.63	169.26	-194.43	771094.57	586220.26	32°36'30.739"N	103°27'10.694"W	257.79	311.041	0.54	123.26	-0.53	3.09	
5705.00	1.200	335.100	5695.41	-194.61	171.03	-195.42	771093.58	586222.03	32°36'30.756"N	103°27'10.705"W	259.69	311.192	0.22	5.19	-0.11	8.82	
5748.00	1.300	335.500	5738.40	-195.00	171.88	-195.81	771093.19	586222.88	32°36'30.765"N	103°27'10.709"W	260.55	311.277	0.23	174.44	0.23	0.93	



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Area	Lea County, NM	Well	Conline 03-20S-35E RN #121H
Field	Conline 03-20S-35E RN #121H	Wellbore	Conline 03-20S-35E RN #121H AWP
Facility	Conline 03-20S-35E RN #121H		

WELLPATH DATA (180 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]	Toolface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
5863.00	0.800	339.000	5853.38	-195.82	173.82	-196.64	771092.36	586224.82	32°36'30.784"N	103°27'10.719"W	262.45	311.475	0.44	96.75	-0.43	3.04	
5956.00	0.800	352.500	5946.37	-196.13	175.07	-196.96	771092.05	586226.07	32°36'30.796"N	103°27'10.722"W	263.52	311.633	0.20	120.90	0.00	14.52	
6050.00	0.700	12.100	6040.36	-196.09	176.28	-196.92	771092.08	586227.28	32°36'30.808"N	103°27'10.722"W	264.30	311.834	0.29	136.14	-0.11	20.85	
6143.00	0.500	44.200	6133.35	-195.68	177.13	-196.52	771092.48	586228.13	32°36'30.817"N	103°27'10.717"W	264.56	312.029	0.41	-162.38	-0.22	34.52	
6237.00	0.700	254.300	6227.35	-195.95	177.27	-196.79	771092.21	586228.26	32°36'30.818"N	103°27'10.720"W	264.86	312.013	1.23	-157.30	0.21	-159.47	
6331.00	0.500	244.300	6321.35	-196.87	176.93	-197.71	771091.29	586227.93	32°36'30.815"N	103°27'10.731"W	265.32	311.826	0.24	-140.78	-0.21	-10.64	
6424.00	0.400	231.300	6414.34	-197.49	176.55	-198.33	771090.67	586227.55	32°36'30.811"N	103°27'10.738"W	265.53	311.676	0.15	-94.55	-0.11	-13.98	
6518.00	0.400	222.200	6508.34	-197.97	176.11	-198.80	771090.20	586227.10	32°36'30.807"N	103°27'10.744"W	265.59	311.535	0.07	-97.60	0.00	-9.68	
6611.00	0.400	207.000	6601.34	-198.34	175.58	-199.17	771089.83	586226.57	32°36'30.802"N	103°27'10.748"W	265.51	311.397	0.11	-102.65	0.00	-16.34	
6705.00	0.400	181.700	6696.34	-198.50	174.96	-199.33	771089.67	586225.95	32°36'30.795"N	103°27'10.750"W	265.22	311.274	0.19	29.73	0.00	-26.91	
6798.00	0.900	198.700	6788.33	-198.75	173.94	-199.57	771089.43	586224.94	32°36'30.785"N	103°27'10.753"W	264.73	311.074	0.57	104.33	0.54	18.28	
6892.00	1.100	250.600	6882.32	-199.84	172.94	-200.66	771088.34	586223.94	32°36'30.776"N	103°27'10.766"W	264.90	310.757	0.95	59.30	0.21	55.21	
6985.00	1.400	267.400	6975.30	-201.82	172.59	-202.64	771086.36	586223.59	32°36'30.772"N	103°27'10.789"W	266.18	310.422	0.51	129.94	0.32	18.06	
7079.00	1.300	273.000	7069.27	-204.03	172.60	-204.85	771084.15	586223.59	32°36'30.773"N	103°27'10.815"W	267.87	310.116	0.18	53.40	-0.11	5.96	
7172.00	1.400	278.200	7162.24	-206.21	172.81	-207.03	771081.97	586223.81	32°36'30.778"N	103°27'10.840"W	269.68	309.853	0.17	176.11	0.11	5.59	
7266.00	1.300	278.500	7256.22	-208.40	173.13	-209.22	771079.78	586224.13	32°36'30.778"N	103°27'10.866"W	271.57	309.609	0.11	-146.68	-0.11	0.32	
7360.00	1.200	275.300	7350.20	-210.43	173.38	-211.25	771077.75	586224.38	32°36'30.781"N	103°27'10.890"W	273.29	309.377	0.13	-147.38	-0.11	-3.40	
7453.00	1.100	271.900	7443.18	-212.29	173.50	-213.11	771075.89	586224.50	32°36'30.782"N	103°27'10.911"W	274.81	309.150	0.13	169.37	-0.11	-3.66	
7547.00	0.900	274.300	7537.16	-213.93	173.59	-214.75	771074.25	586224.59	32°36'30.783"N	103°27'10.931"W	276.14	308.949	0.22	175.81	-0.21	2.55	
7641.00	0.600	276.400	7631.15	-215.16	173.70	-215.98	771073.02	586224.70	32°36'30.784"N	103°27'10.945"W	277.16	308.808	0.32	-162.52	-0.32	2.23	
7734.00	0.400	267.100	7724.15	-215.97	173.74	-216.79	771072.22	586224.73	32°36'30.785"N	103°27'10.954"W	277.81	308.709	0.23	156.77	-0.22	-10.00	
7828.00	0.300	275.600	7818.15	-216.54	173.74	-217.36	771071.64	586224.74	32°36'30.785"N	103°27'10.961"W	278.27	308.637	0.12	-157.69	-0.11	9.04	
7922.00	0.200	263.200	7912.15	-216.95	173.75	-217.77	771071.24	586224.75	32°36'30.785"N	103°27'10.966"W	278.59	308.585	0.12	98.85	-0.11	-13.19	
8015.00	0.200	280.900	8005.15	-217.27	173.76	-218.09	771070.91	586224.76	32°36'30.785"N	103°27'10.970"W	278.85	308.546	0.07	-168.24	0.00	19.03	
8109.00	0.100	268.600	8099.15	-217.51	173.79	-218.33	771070.67	586224.79	32°36'30.785"N	103°27'10.972"W	279.05	308.519	0.11	45.18	-0.11	-13.09	
8203.00	0.300	300.100	8193.15	-217.80	173.91	-218.63	771070.38	586224.91	32°36'30.787"N	103°27'10.976"W	279.36	308.501	0.24	76.53	0.21	33.51	
8296.00	0.400	329.800	8286.15	-218.18	174.31	-219.00	771070.00	586225.31	32°36'30.791"N	103°27'10.980"W	279.90	308.518	0.22	16.18	0.11	31.94	
8390.00	0.500	333.100	8380.14	-218.52	174.96	-219.74	771069.65	586225.96	32°36'30.797"N	103°27'10.984"W	280.58	308.577	0.11	22.45	0.11	3.51	
8483.00	0.900	343.300	8473.14	-218.91	176.02	-219.35	771069.26	586227.02	32°36'30.808"N	103°27'10.989"W	281.55	308.696	0.45	-21.80	0.43	10.97	
8577.00	1.800	332.200	8567.11	-219.80	178.04	-220.64	771068.36	586229.04	32°36'30.828"N	103°27'10.999"W	283.52	308.900	0.99	177.55	0.96	-11.81	



Actual Wellpath Report

Conline 03-20S-35E RN #121H AWP 167'-15032' Proj to TD: 15119'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Conline 03-20S-35E RN #121H
Area	Lea County, NM	Well	Conline 03-20S-35E RN #121H
Field	Conline 03-20S-35E RN #121H	Wellbore	Conline 03-20S-35E RN #121H AWP
Facility	Conline 03-20S-35E RN #121H		

WELLPATH DATA (180 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sec [ft]	North [ft]	East [ft]	Grid East [us ft]	Grid North [us ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Tooface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8671.00	1.400	332.900	8661.07	-221.00	180.37	-221.86	771067.15	586231.36	32°36'30.851"N	103°27'11.013"W	285.92	309.111	0.43	90.05	-0.43	0.74	
8764.00	1.400	333.000	8754.04	-222.03	182.39	-222.89	771066.11	586233.39	32°36'30.871"N	103°27'11.025"W	288.00	309.293	0.00	-15.69	0.00	0.11	
8858.00	3.200	324.100	8847.96	-224.07	185.54	-224.95	771064.05	586236.54	32°36'30.902"N	103°27'11.049"W	291.59	309.516	1.95	-158.03	1.91	-9.47	
8951.00	2.300	314.700	8940.86	-226.90	188.95	-227.80	771061.20	586239.95	32°36'30.936"N	103°27'11.082"W	295.96	309.675	1.08	152.03	-0.97	-10.11	
9045.00	1.100	5.400	9034.82	-228.15	191.18	-229.05	771059.95	586242.18	32°36'30.968"N	103°27'11.096"W	298.35	309.850	1.93	-37.06	-1.28	53.94	
9138.00	1.300	359.000	9127.80	-228.08	193.12	-228.99	771060.01	586244.12	32°36'30.978"N	103°27'11.095"W	299.55	310.143	0.26	-38.00	0.22	-6.88	
9232.00	1.800	347.400	9221.76	-228.40	195.63	-229.33	771059.67	586246.63	32°36'31.002"N	103°27'11.099"W	301.43	310.466	0.63	-97.14	0.53	-12.34	
9325.00	1.900	320.300	9314.72	-229.70	198.24	-230.63	771058.37	586249.24	32°36'31.028"N	103°27'11.114"W	304.12	310.681	0.94	-172.16	0.11	-29.14	
9418.00	0.900	311.400	9407.69	-231.22	199.91	-232.16	771056.84	586250.91	32°36'31.045"N	103°27'11.132"W	306.37	310.731	1.10	-138.30	-1.08	-9.57	
9512.00	0.600	266.800	9501.68	-232.26	200.37	-233.21	771055.79	586251.37	32°36'31.050"N	103°27'11.144"W	307.47	310.669	0.67	-43.32	-0.32	-47.45	
9541.00	0.700	259.500	9530.68	-232.59	200.33	-233.54	771055.47	586251.33	32°36'31.049"N	103°27'11.148"W	307.69	310.623	0.45	-71.26	0.34	-25.17	Last Phoenix MWD survey (the on)
9612.00	0.850	239.490	9601.67	-233.47	199.98	-234.42	771054.59	586250.98	32°36'31.046"N	103°27'11.158"W	308.13	310.468	0.43	-145.74	0.21	-28.18	
9706.00	2.010	107.510	9695.65	-232.50	199.13	-233.44	771055.56	586252.33	32°36'31.037"N	103°27'11.147"W	306.84	310.465	2.82	-34.41	1.23	-140.40	
9737.00	4.680	87.130	9726.60	-230.72	199.03	-231.66	771057.34	586250.03	32°36'31.036"N	103°27'11.126"W	305.42	310.668	9.30	-16.79	8.61	-65.74	
9768.00	7.780	80.330	9757.41	-227.39	199.45	-228.33	771060.67	586250.45	32°36'31.040"N	103°27'11.087"W	303.17	311.138	10.26	-0.96	10.00	-21.94	
9799.00	10.340	80.090	9788.02	-222.57	200.28	-223.52	771065.48	586251.28	32°36'31.048"N	103°27'11.031"W	300.12	311.861	8.26	31.48	8.26	-0.77	
9831.00	12.690	86.440	9819.38	-216.23	200.99	-217.18	771071.82	586251.99	32°36'31.055"N	103°27'10.956"W	295.92	312.783	8.33	16.03	7.34	19.84	
9862.00	14.000	87.990	9849.54	-209.08	201.34	-210.04	771078.97	586252.33	32°36'31.057"N	103°27'10.873"W	290.95	313.788	4.38	69.01	4.23	5.00	
9893.00	15.170	97.640	9879.55	-201.32	200.93	-202.27	771095.03	586250.93	32°36'31.053"N	103°27'10.782"W	285.10	314.810	8.69	-26.68	3.77	31.13	
9924.00	16.110	95.950	9809.40	-193.02	199.94	-193.97	771095.03	586250.94	32°36'31.042"N	103°27'10.685"W	278.57	315.869	3.37	-11.74	3.03	-5.45	
9955.00	19.420	93.890	9938.92	-183.61	199.15	-184.55	771104.46	586250.14	32°36'31.034"N	103°27'10.575"W	271.51	317.179	10.87	-15.07	10.68	-6.65	
9986.00	21.880	92.120	9967.92	-172.69	198.58	-173.63	771115.37	586249.58	32°36'31.027"N	103°27'10.448"W	263.79	318.835	8.19	6.26	7.94	-5.71	
10018.00	24.960	92.920	9997.28	-159.99	198.02	-160.93	771128.08	586249.02	32°36'31.021"N	103°27'10.299"W	255.16	320.900	9.68	10.85	9.62	2.50	
10049.00	27.440	93.950	10025.10	-146.33	197.19	-147.27	771141.74	586248.19	32°36'31.011"N	103°27'10.139"W	246.11	323.247	8.75	-15.75	8.00	3.32	
10080.00	30.060	92.480	10052.27	-131.45	196.37	-132.38	771156.62	586247.36	32°36'31.002"N	103°27'09.966"W	236.82	326.014	8.75	-5.54	8.45	-4.74	
10111.00	32.980	91.960	10078.70	-115.26	195.74	-116.19	771172.81	586246.74	32°36'30.984"N	103°27'09.776"W	227.63	329.307	9.46	-7.88	9.42	-1.68	
10174.00	39.480	90.550	10129.49	-78.06	194.96	-78.98	7711210.02	586245.96	32°36'30.984"N	103°27'09.341"W	210.35	337.946	10.40	64.22	10.32	-2.24	
10197.00	40.070	92.400	10147.17	-63.36	194.58	-64.27	7711224.73	586245.58	32°36'30.979"N	103°27'09.170"W	204.92	341.720	5.75	20.74	2.57	8.04	
10291.00	45.230	95.130	10216.29	0.13	190.33	-0.76	771288.24	586241.33	32°36'30.931"N	103°27'08.428"W	190.33	359.770	5.83	7.96	5.49	2.90	
10322.00	47.280	95.520	10237.72	22.42	188.25	21.53	771310.53	586239.25	32°36'30.909"N	103°27'08.167"W	189.47	6.525	6.68	-5.58	6.61	1.26	



Actual Wellpath Report
Conine 03-20S-35E RN #121H AWP 167°-15032' Proj to TD: 15119'
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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Conine 03-20S-35E RN #121H
Area	Lea County, NM	Well	Conine 03-20S-35E RN #121H
Field	Conine 03-20S-35E RN #121H	Wellbore	Conine 03-20S-35E RN #121H AWP
Facility	Conine 03-20S-35E RN #121H		

WELLPATH DATA (180 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 (ft/100ft)	Tooface [°]	Build Rate (ft/100ft)	Turn Rate (ft/100ft)	Comments
10386.00	55.690	94.530	10277.54	72.24	183.89	71.37	771360.37	586234.89	32°36'30.862"N	103°27'07.585"W	197.26	21.213	13.20	-7.27	13.14	-1.55	
10417.00	61.490	93.690	10293.69	98.61	182.00	97.75	771386.75	586233.00	32°36'30.841"N	103°27'07.277"W	206.59	28.240	18.85	-21.16	18.71	-2.71	
10448.00	66.810	91.460	10307.20	126.46	180.76	125.61	771414.61	586231.76	32°36'30.826"N	103°27'06.951"W	220.12	34.795	18.34	-18.20	17.16	-7.19	
10479.00	70.990	90.010	10318.36	155.37	180.39	154.52	771443.52	586231.39	32°36'30.820"N	103°27'06.613"W	237.53	40.582	14.17	44.05	13.48	-4.68	
10485.00	71.540	90.570	10320.29	161.05	180.37	160.20	771449.20	586231.36	32°36'30.820"N	103°27'06.547"W	241.24	41.612	12.73	32.91	9.17	9.33	
10516.00	74.120	92.300	10329.44	190.65	179.62	189.81	771478.81	586230.62	32°36'30.810"N	103°27'06.201"W	261.33	46.580	9.88	3.68	8.32	5.58	
10548.00	75.930	92.420	10337.71	221.53	178.35	220.69	771509.69	586229.35	32°36'30.795"N	103°27'05.840"W	283.75	51.058	5.67	22.99	5.66	0.37	
10579.00	77.010	92.890	10344.96	251.63	176.95	250.80	771539.80	586227.95	32°36'30.778"N	103°27'05.488"W	306.94	54.795	3.78	75.93	3.48	1.52	
10594.00	77.140	93.420	10346.31	266.23	176.15	265.40	771554.40	586227.15	32°36'30.769"N	103°27'05.318"W	318.53	56.427	3.55	4.74	0.87	3.53	
10670.00	81.560	93.790	10362.36	340.73	171.45	339.92	771628.92	586222.45	32°36'30.717"N	103°27'04.447"W	380.71	63.235	5.84	-14.68	5.82	0.49	
10704.00	84.450	93.030	10366.50	374.40	169.44	373.61	771662.60	586220.44	32°36'30.694"N	103°27'04.053"W	410.24	65.604	8.78	-11.58	8.50	-2.24	
10762.00	89.780	91.940	10369.41	432.24	166.93	431.46	771720.45	586217.93	32°36'30.664"N	103°27'03.377"W	462.62	68.848	9.38	-14.07	9.19	-1.88	
10860.00	92.890	91.160	10367.13	530.15	164.28	529.38	771818.38	586215.28	32°36'30.630"N	103°27'02.233"W	554.29	72.759	3.27	-107.16	3.17	-0.80	
10953.00	92.680	90.480	10362.61	623.02	162.95	622.26	771911.26	586213.95	32°36'30.609"N	103°27'01.147"W	643.24	75.325	0.76	-28.74	-0.23	-0.73	
11047.00	93.390	90.090	10357.64	716.89	162.49	716.13	772005.12	586213.49	32°36'30.597"N	103°27'00.050"W	734.33	77.216	0.86	-174.66	0.76	-0.41	
11109.00	90.180	89.790	10355.70	778.85	162.55	778.09	772067.08	586213.55	32°36'30.593"N	103°26'59.326"W	794.89	78.200	5.20	-170.91	-5.18	-0.48	
11140.00	88.430	89.510	10356.08	809.84	162.74	809.09	772098.08	586213.74	32°36'30.592"N	103°26'58.964"W	825.29	78.627	5.72	-166.74	-5.65	-0.90	
11234.00	86.270	89.000	10360.43	903.73	163.96	902.97	772191.96	586214.96	32°36'30.596"N	103°26'57.866"W	917.74	79.708	2.36	-171.42	-2.30	-0.54	
11328.00	84.160	88.680	10366.27	997.39	165.86	996.62	772285.61	586216.86	32°36'30.607"N	103°26'56.771"W	1010.33	80.551	2.27	4.75	-2.24	-0.34	
11421.00	84.880	88.740	10377.15	1089.95	167.94	1089.17	772378.16	586218.94	32°36'30.620"N	103°26'55.689"W	1102.04	81.234	0.78	-28.44	0.77	0.06	
11515.00	86.170	88.040	10384.48	1183.63	170.58	1182.84	772471.83	586221.57	32°36'30.639"N	103°26'54.594"W	1195.08	81.794	1.56	-175.73	1.37	-0.74	
11609.00	83.240	87.820	10393.16	1277.18	173.96	1276.37	772565.36	586224.95	32°36'30.664"N	103°26'53.500"W	1288.17	82.239	3.13	17.23	-3.12	-0.23	
11702.00	85.620	88.560	10402.18	1369.70	176.88	1368.88	772657.87	586227.88	32°36'30.686"N	103°26'52.418"W	1380.26	82.637	2.68	20.45	2.56	0.80	
11796.00	86.450	88.870	10408.68	1463.46	178.98	1462.63	772751.62	586229.98	32°36'30.699"N	103°26'51.322"W	1473.54	83.023	0.94	121.04	0.88	0.33	
11889.00	86.060	89.520	10414.76	1556.25	180.28	1555.42	772844.41	586231.28	32°36'30.704"N	103°26'50.238"W	1565.83	83.388	0.81	26.04	-0.42	0.70	
11993.00	86.530	89.750	10420.83	1650.06	180.88	1649.22	772938.21	586231.88	32°36'30.702"N	103°26'49.141"W	1659.11	83.741	0.56	-20.95	0.50	0.24	
12077.00	87.130	89.520	10426.33	1743.91	181.48	1743.08	773032.06	586232.48	32°36'30.700"N	103°26'48.044"W	1752.50	84.056	0.68	-154.38	0.64	-0.24	
12170.00	86.360	89.150	10431.31	1836.76	182.56	1835.92	773124.90	586235.56	32°36'30.703"N	103°26'46.958"W	1844.97	84.321	0.92	-29.61	-0.83	-0.40	
12264.00	86.940	88.820	10436.80	1930.59	184.22	1929.74	773218.73	586235.22	32°36'30.712"N	103°26'45.862"W	1938.52	84.547	0.71	89.17	0.62	-0.35	
12357.00	86.950	89.500	10441.76	2023.45	185.58	2022.60	773311.58	586236.58	32°36'30.718"N	103°26'44.776"W	2031.10	84.758	0.73	30.68	0.01	0.73	



Actual Wellpath Report

Conline 03-20S-35E RN #121H AWP 167'-15032' Proj to TD: 15119'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Conline 03-20S-35E RN #121H
Area	Lea County, NM	Well	Conline 03-20S-35E RN #121H
Field	Conline 03-20S-35E RN #121H	Wellbore	Conline 03-20S-35E RN #121H AWP
Facility	Conline 03-20S-35E RN #121H		

WELLPATH DATA (180 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vent Sect [ft]	North [ft]	East [ft]	Grid East [us ft]	Grid North [us ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Toolface [°]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12451.00	87.590	89.880	10446.24	2117.34	186.09	2116.49	773405.47	586237.09	32°36'30.715"N	103°26'43.678"W	2124.66	84.975	0.79	-14.04	0.68	0.40	
12545.00	88.950	89.540	10449.07	2211.30	186.57	2210.44	773439.43	586237.56	32°36'30.712"N	103°26'42.580"W	2218.30	85.176	1.49	0.00	1.45	-0.36	
12638.00	90.150	89.540	10449.80	2304.29	187.31	2303.44	773592.42	586238.31	32°36'30.712"N	103°26'41.493"W	2311.04	85.351	1.29	-38.09	1.29	0.00	
12732.00	90.890	88.960	10448.95	2398.29	188.54	2397.42	773686.40	586239.54	32°36'30.716"N	103°26'40.394"W	2404.83	85.503	1.00	-2.29	0.79	-0.62	
12826.00	91.140	88.960	10447.29	2492.26	190.26	2491.39	773780.37	586241.25	32°36'30.725"N	103°26'39.296"W	2498.65	85.633	0.27	41.72	0.27	-0.01	
12919.00	91.510	89.280	10445.14	2585.23	191.69	2584.36	773873.34	586242.69	32°36'30.732"N	103°26'38.209"W	2591.46	85.758	0.53	89.99	0.40	0.35	
13013.00	91.510	89.740	10442.66	2679.20	192.50	2678.32	773967.30	586243.49	32°36'30.732"N	103°26'37.110"W	2685.23	85.889	0.49	95.41	0.00	0.49	
13107.00	91.360	91.320	10440.30	2772.16	191.63	2772.28	774061.26	586242.62	32°36'30.716"N	103°26'36.012"W	2778.90	86.046	1.69	-8.30	-0.16	1.68	
13201.00	92.250	91.190	10437.34	2867.08	189.57	2866.21	774155.19	586240.57	32°36'30.687"N	103°26'34.914"W	2872.48	86.216	0.96	-167.80	0.95	-0.14	
13295.00	91.510	91.030	10434.26	2961.00	187.75	2960.15	774249.12	586238.75	32°36'30.662"N	103°26'33.816"W	2966.09	86.371	0.81	30.72	-0.79	-0.17	
13388.00	91.880	91.250	10431.51	3053.93	185.90	3053.09	774342.06	586236.90	32°36'30.636"N	103°26'32.730"W	3058.74	86.516	0.46	-37.70	0.40	0.24	
13482.00	92.410	90.840	10427.99	3147.84	184.19	3147.00	774435.98	586235.18	32°36'30.611"N	103°26'31.632"W	3152.39	86.650	0.71	10.84	0.56	-0.44	
13576.00	93.140	90.980	10423.44	3241.71	182.70	3240.88	774529.85	586233.69	32°36'30.588"N	103°26'30.535"W	3246.03	86.774	0.79	-62.57	0.78	0.15	
13669.00	93.430	90.420	10418.11	3334.54	181.56	3333.72	774622.69	586232.56	32°36'30.569"N	103°26'29.450"W	3338.66	86.883	0.68	159.69	0.31	-0.60	
13763.00	90.890	91.360	10414.57	3428.45	180.10	3427.63	774716.60	586231.10	32°36'30.547"N	103°26'28.352"W	3432.36	86.992	2.88	71.02	-2.70	1.00	
13857.00	91.110	92.000	10412.93	3522.38	177.35	3521.58	774810.55	586228.34	32°36'30.512"N	103°26'27.255"W	3526.04	87.117	0.72	-19.81	0.23	0.68	
13950.00	91.970	91.690	10410.43	3615.28	174.35	3614.50	774903.47	586225.35	32°36'30.475"N	103°26'26.169"W	3618.70	87.238	0.98	161.96	0.92	-0.33	
14043.00	90.220	92.260	10408.65	3708.19	171.15	3707.42	774996.39	586222.15	32°36'30.435"N	103°26'25.083"W	3711.37	87.357	1.98	-102.75	-1.88	0.61	
14137.00	89.910	90.890	10408.54	3802.13	168.56	3801.38	775090.35	586219.56	32°36'30.402"N	103°26'23.985"W	3805.12	87.461	1.49	-92.84	-0.33	-1.46	
14231.00	89.850	89.680	10408.74	3896.13	168.10	3895.38	775184.35	586219.10	32°36'30.390"N	103°26'22.886"W	3899.00	87.529	1.29	173.29	-0.06	-1.29	
14325.00	89.510	89.720	10409.27	3990.13	168.59	3989.38	775278.34	586219.59	32°36'30.387"N	103°26'21.787"W	3992.94	87.560	0.36	9.19	-0.36	0.04	
14418.00	90.190	89.830	10409.51	4083.13	168.95	4082.37	775371.34	586219.95	32°36'30.382"N	103°26'20.700"W	4085.87	87.630	0.74	-63.43	0.73	0.12	
14512.00	90.340	89.530	10409.08	4177.12	169.48	4176.37	775465.34	586220.48	32°36'30.380"N	103°26'19.601"W	4179.81	87.676	0.36	-74.31	0.16	-0.32	
14606.00	90.590	88.640	10408.31	4271.11	170.98	4270.36	775559.32	586221.98	32°36'30.387"N	103°26'18.502"W	4273.78	87.707	0.98	165.96	0.27	-0.95	
14700.00	90.150	88.750	10407.71	4365.10	173.12	4364.33	775653.29	586224.12	32°36'30.400"N	103°26'17.404"W	4367.76	87.728	0.48	23.20	-0.47	0.12	
14793.00	90.220	88.780	10407.41	4458.08	175.13	4457.31	775746.27	586226.12	32°36'30.412"N	103°26'16.317"W	4460.75	87.750	0.08	7.67	0.08	0.03	
14887.00	91.260	88.920	10406.19	4552.06	177.01	4551.28	775840.24	586228.01	32°36'30.423"N	103°26'15.218"W	4554.72	87.773	1.12	-5.04	1.11	0.15	
14981.00	92.280	88.830	10403.29	4646.01	178.86	4645.21	775934.17	586229.86	32°36'30.434"N	103°26'14.120"W	4648.66	87.795	1.09	-16.05	1.09	-0.10	
15032.00	92.870	88.660	10401.09	4696.95	179.97	4696.15	775985.11	586230.97	32°36'30.440"N	103°26'13.524"W	4699.60	87.805	1.20	0.00	1.16	-0.33	Last BHI MWD survey
15119.00	92.870	88.660	10396.64	4783.82	182.00	4783.02	776071.98	586233.00	32°36'30.453"N	103°26'12.509"W	4786.48	87.821	0.00		0.00	0.00	Projection to TD

TARGETS

Name	TVDD [ft]	North [ft]	East [ft]	Grid East [us ft]	Grid North [us ft]	Latitude	Longitude	Shape
Conline 03-20S-35E RN #121H FPP	10363.80	185.00	68.00	771357.00	586236.00	32°36'30.873"N	103°27'07.624"W	point

Conine 03-20S-35E RN #121H PBHL Rev-2	10394.00	207.00	4783.04	776072.00	586258.00	32°36'30.701"N	103°26'12.506"W	point
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WELLPATH COMPOSITION - Ref Wellbore: Conine 03-20S-35E RN #121H AWB Ref Wellpath: Conine 03-20S-35E RN #121H AWP 167'-15032' Proj to TD: 15119'								
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore				
28.50	9541.00	ISCWSA MWLD, Rev. 3 (Standard)	01_Phoenix MWLD <167'-9541'>	Conine 03-20S-35E RN #121H AWB				
9541.00	15032.00	NavITrak (Standard)	02_8-3/4" BHI NavITrak MWLD <9612'-15032'>	Conine 03-20S-35E RN #121H AWB				
15032.00	15119.00	Blind Drilling (std)	Projection to bit	Conine 03-20S-35E RN #121H AWB				



Actual Wellpath Report

Conine 03-20S-35E RN #121H AWP 167'-15032' Proj to TD: 15119'
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REFERENCE WELLPATH IDENTIFICATION

Operator	Matador Resources	Slot	Conine 03-20S-35E RN #121H
Area	Lea County, NM	Well	Conine 03-20S-35E RN #121H
Field	Conine 03-20S-35E RN #121H	Wellbore	Conine 03-20S-35E RN #121H AWP
Facility	Conine 03-20S-35E RN #121H		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
9541.00	0.700	259.500	9530.68	Last Phoenix MWD survey (tie on)
15032.00	92.870	88.660	10401.00	Last BHI MWD survey
15119.00	92.870	88.660	10396.64	Projection to TD