

# EQT PRODUCTION

Marion County, WV

Elliott Pad

Elliott 12H L-003930 - Slot Elliott 12H SHL

Main

Design: Elliott 12H As Drilled

## Survey Report - Geographic

16 June, 2025



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WV Department of  
Environmental Protection



04/24/2026

Survey Report - Geographic

<b>Company:</b>	EQT PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Elliott 12H L-003930 - Slot Elliott 12H SHL
<b>Project:</b>	Marion County, WV	<b>TVD Reference:</b>	KB@28 @ 1371.0usft
<b>Site:</b>	Elliott Pad	<b>MD Reference:</b>	KB@28 @ 1371.0usft
<b>Well:</b>	Elliott 12H L-003930	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Main	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Elliott 12H As Drilled	<b>Database:</b>	EQT

<b>Project</b>	Marion County, WV		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	West Virginia North 4701		

<b>Site</b>	Elliott Pad				
<b>Site Position:</b>		<b>Northing:</b>	381,889.78 usft	<b>Latitude:</b>	39° 32' 42.563 N
<b>From:</b>	Map	<b>Easting:</b>	1,751,187.95 usft	<b>Longitude:</b>	80° 22' 56.331 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-0.56 °

<b>Well</b>	Elliott 12H L-003930 - Slot Elliott 12H SHL					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	381,987.63 usft	<b>Latitude:</b>	39° 32' 43.534 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	1,751,233.20 usft	<b>Longitude:</b>	80° 22' 55.766 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	1,343.0 usft

<b>Wellbore</b>	Main				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IFR	5/8/2025	-8.96	66.13	51,410.50000000

<b>Design</b>	Elliott 12H As Drilled				
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<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	132.76

**Survey**

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	381,987.63	1,751,233.20	39° 32' 43.534 N	80° 22' 55.766 W
115.0	0.21	196.54	115.0	-0.2	-0.1	381,987.42	1,751,233.14	39° 32' 43.532 N	80° 22' 55.767 W
215.0	0.26	215.88	215.0	-0.6	-0.2	381,987.06	1,751,232.96	39° 32' 43.529 N	80° 22' 55.769 W
315.0	0.35	219.57	315.0	-1.0	-0.6	381,986.65	1,751,232.63	39° 32' 43.525 N	80° 22' 55.773 W
415.0	0.10	262.53	415.0	-1.2	-0.9	381,986.40	1,751,232.35	39° 32' 43.522 N	80° 22' 55.777 W
515.0	0.22	251.24	515.0	-1.3	-1.1	381,986.33	1,751,232.08	39° 32' 43.521 N	80° 22' 55.780 W
606.0	0.34	242.21	606.0	-1.5	-1.5	381,986.14	1,751,231.68	39° 32' 43.520 N	80° 22' 55.785 W
615.0	0.13	265.48	615.0	-1.5	-1.6	381,986.13	1,751,231.64	39° 32' 43.519 N	80° 22' 55.786 W
715.0	0.14	226.59	715.0	-1.6	-1.8	381,986.04	1,751,231.44	39° 32' 43.519 N	80° 22' 55.788 W
815.0	0.18	244.67	815.0	-1.7	-2.0	381,985.89	1,751,231.21	39° 32' 43.517 N	80° 22' 55.791 W
911.0	0.33	255.09	911.0	-1.9	-2.4	381,985.75	1,751,230.81	39° 32' 43.516 N	80° 22' 55.796 W
1,072.0	0.29	115.24	1,072.0	-2.2	-2.5	381,985.46	1,751,230.73	39° 32' 43.513 N	80° 22' 55.797 W
<b>KOP1 at 1072.0 MD_1072.0 TVD</b>									
1,115.0	0.48	99.28	1,115.0	-2.2	-2.2	381,985.38	1,751,231.00	39° 32' 43.512 N	80° 22' 55.794 W
1,158.0	1.17	77.36	1,158.0	-2.2	-1.6	381,985.45	1,751,231.61	39° 32' 43.513 N	80° 22' 55.786 W
1,201.0	2.04	81.04	1,201.0	-2.0	-0.4	381,985.66	1,751,232.79	39° 32' 43.515 N	80° 22' 55.771 W
1,244.0	2.53	80.29	1,243.9	-1.7	1.3	381,985.94	1,751,234.48	39° 32' 43.518 N	80° 22' 55.749 W
1,288.0	3.10	77.54	1,287.9	-1.3	3.4	381,986.36	1,751,236.60	39° 32' 43.522 N	80° 22' 55.722 W
1,331.0	3.62	82.50	1,330.8	-0.8	5.9	381,986.79	1,751,239.08	39° 32' 43.527 N	80° 22' 55.691 W

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<b>Site:</b>	Elliott Pad	<b>MD Reference:</b>	KB@28 @ 1371.0usft
<b>Well:</b>	Elliott 12H L-003930	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Main	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Elliott 12H As Drilled	<b>Database:</b>	EQT

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,374.0	4.22	86.89	1,373.7	-0.6	8.8	381,987.06	1,751,242.01	39° 32' 43.530 N	80° 22' 55.653 W
1,418.0	3.95	89.39	1,417.6	-0.5	11.9	381,987.16	1,751,245.14	39° 32' 43.531 N	80° 22' 55.613 W
1,461.0	2.95	104.77	1,460.5	-0.7	14.5	381,986.89	1,751,247.69	39° 32' 43.529 N	80° 22' 55.581 W
1,504.0	2.07	113.14	1,503.5	-1.3	16.3	381,986.31	1,751,249.48	39° 32' 43.523 N	80° 22' 55.558 W
1,547.0	1.41	137.31	1,546.5	-2.0	17.3	381,985.61	1,751,250.55	39° 32' 43.516 N	80° 22' 55.544 W
1,590.0	0.54	155.74	1,589.5	-2.6	17.8	381,985.04	1,751,250.99	39° 32' 43.511 N	80° 22' 55.538 W
1,633.0	0.29	224.09	1,632.4	-2.9	17.8	381,984.78	1,751,251.00	39° 32' 43.508 N	80° 22' 55.538 W
1,677.0	0.80	268.58	1,676.4	-2.9	17.4	381,984.69	1,751,250.62	39° 32' 43.507 N	80° 22' 55.543 W
1,720.0	0.83	283.31	1,719.4	-2.9	16.8	381,984.75	1,751,250.01	39° 32' 43.508 N	80° 22' 55.551 W
1,763.0	0.86	322.53	1,762.4	-2.5	16.3	381,985.08	1,751,249.51	39° 32' 43.511 N	80° 22' 55.557 W
1,806.0	1.36	357.17	1,805.4	-1.8	16.1	381,985.85	1,751,249.29	39° 32' 43.518 N	80° 22' 55.560 W
1,849.0	1.17	7.93	1,848.4	-0.8	16.1	381,986.79	1,751,249.33	39° 32' 43.528 N	80° 22' 55.560 W
1,893.0	0.30	66.91	1,892.4	-0.3	16.3	381,987.28	1,751,249.49	39° 32' 43.533 N	80° 22' 55.558 W
1,936.0	0.66	146.25	1,935.4	-0.5	16.5	381,987.12	1,751,249.74	39° 32' 43.531 N	80° 22' 55.555 W
1,979.0	1.30	155.18	1,978.4	-1.2	16.9	381,986.47	1,751,250.08	39° 32' 43.525 N	80° 22' 55.550 W
2,022.0	1.08	177.13	2,021.4	-2.0	17.1	381,985.62	1,751,250.30	39° 32' 43.516 N	80° 22' 55.547 W
2,065.0	0.61	255.34	2,064.4	-2.5	16.9	381,985.16	1,751,250.10	39° 32' 43.512 N	80° 22' 55.550 W
2,109.0	1.47	292.47	2,108.4	-2.3	16.2	381,985.32	1,751,249.35	39° 32' 43.513 N	80° 22' 55.559 W
2,152.0	2.37	306.66	2,151.4	-1.6	14.9	381,986.06	1,751,248.13	39° 32' 43.520 N	80° 22' 55.575 W
2,195.0	1.72	327.11	2,194.3	-0.5	13.9	381,987.13	1,751,247.07	39° 32' 43.531 N	80° 22' 55.589 W
2,238.0	1.24	20.85	2,237.3	0.5	13.7	381,988.11	1,751,246.88	39° 32' 43.540 N	80° 22' 55.591 W
2,281.0	1.66	59.91	2,280.3	1.2	14.4	381,988.85	1,751,247.59	39° 32' 43.548 N	80° 22' 55.582 W
2,324.0	2.29	77.15	2,323.3	1.7	15.8	381,989.36	1,751,248.96	39° 32' 43.553 N	80° 22' 55.565 W
2,367.0	1.71	87.59	2,366.3	1.9	17.2	381,989.58	1,751,250.44	39° 32' 43.555 N	80° 22' 55.546 W
2,410.0	1.47	121.89	2,409.2	1.7	18.3	381,989.31	1,751,251.55	39° 32' 43.553 N	80° 22' 55.532 W
2,456.0	1.62	151.16	2,455.2	0.8	19.2	381,988.43	1,751,252.37	39° 32' 43.544 N	80° 22' 55.521 W
2,548.0	2.23	175.18	2,547.2	-2.1	19.9	381,985.51	1,751,253.14	39° 32' 43.515 N	80° 22' 55.511 W
2,591.0	2.19	170.10	2,590.1	-3.8	20.2	381,983.86	1,751,253.36	39° 32' 43.499 N	80° 22' 55.508 W
2,635.0	2.06	145.79	2,634.1	-5.2	20.7	381,982.38	1,751,253.94	39° 32' 43.485 N	80° 22' 55.500 W
2,678.0	2.72	104.12	2,677.1	-6.1	22.2	381,981.49	1,751,255.37	39° 32' 43.476 N	80° 22' 55.482 W
2,721.0	3.75	76.05	2,720.0	-6.0	24.5	381,981.58	1,751,257.72	39° 32' 43.477 N	80° 22' 55.452 W
2,764.0	5.00	53.70	2,762.9	-4.6	27.4	381,983.03	1,751,260.60	39° 32' 43.492 N	80° 22' 55.416 W
2,808.0	6.16	44.13	2,806.7	-1.8	30.6	381,985.86	1,751,263.79	39° 32' 43.520 N	80° 22' 55.375 W
2,851.0	6.68	41.02	2,849.4	1.8	33.8	381,989.40	1,751,267.04	39° 32' 43.555 N	80° 22' 55.334 W
2,894.0	6.85	46.77	2,892.1	5.4	37.3	381,993.05	1,751,270.54	39° 32' 43.592 N	80° 22' 55.290 W
2,937.0	7.04	56.02	2,934.8	8.7	41.4	381,996.28	1,751,274.60	39° 32' 43.624 N	80° 22' 55.239 W
2,980.0	7.20	58.49	2,977.5	11.5	45.9	381,999.16	1,751,279.08	39° 32' 43.653 N	80° 22' 55.182 W
3,024.0	7.67	58.43	3,021.1	14.5	50.7	382,002.14	1,751,283.93	39° 32' 43.683 N	80° 22' 55.120 W
3,067.0	8.40	59.01	3,063.7	17.6	55.9	382,005.26	1,751,289.07	39° 32' 43.714 N	80° 22' 55.055 W
3,110.0	9.73	55.67	3,106.1	21.3	61.6	382,008.92	1,751,294.76	39° 32' 43.751 N	80° 22' 54.983 W
3,153.0	11.44	53.21	3,148.4	25.9	68.0	382,013.53	1,751,301.18	39° 32' 43.797 N	80° 22' 54.901 W
3,196.0	13.06	51.11	3,190.4	31.5	75.2	382,019.13	1,751,308.38	39° 32' 43.853 N	80° 22' 54.810 W
3,240.0	13.62	50.74	3,233.2	37.9	83.1	382,025.53	1,751,316.26	39° 32' 43.917 N	80° 22' 54.710 W
3,326.0	14.56	50.14	3,316.7	51.2	99.2	382,038.87	1,751,332.40	39° 32' 44.050 N	80° 22' 54.506 W
3,413.0	15.80	50.05	3,400.6	65.9	116.7	382,053.48	1,751,349.87	39° 32' 44.197 N	80° 22' 54.285 W
3,499.0	17.37	50.69	3,483.0	81.5	135.6	382,069.13	1,751,368.78	39° 32' 44.353 N	80° 22' 54.045 W
3,585.0	19.02	52.45	3,564.7	98.2	156.6	382,085.81	1,751,389.83	39° 32' 44.520 N	80° 22' 53.779 W
3,672.0	20.95	54.60	3,646.5	115.8	180.5	382,103.46	1,751,413.75	39° 32' 44.697 N	80° 22' 53.476 W
3,758.0	23.07	54.67	3,726.2	134.5	206.8	382,122.11	1,751,440.03	39° 32' 44.884 N	80° 22' 53.143 W
3,844.0	25.21	57.02	3,804.7	154.2	235.9	382,141.83	1,751,469.14	39° 32' 45.081 N	80° 22' 52.773 W
3,931.0	25.64	57.66	3,883.3	174.4	267.4	382,161.98	1,751,500.59	39° 32' 45.284 N	80° 22' 52.374 W
4,017.0	25.68	55.79	3,960.8	194.8	298.5	382,182.41	1,751,531.72	39° 32' 45.489 N	80° 22' 51.980 W
4,104.0	25.67	54.51	4,039.2	216.3	329.4	382,203.95	1,751,562.65	39° 32' 45.704 N	80° 22' 51.587 W
4,190.0	25.43	52.65	4,116.8	238.3	359.3	382,225.97	1,751,592.50	39° 32' 45.925 N	80° 22' 51.209 W
4,277.0	24.55	52.29	4,195.6	260.7	388.4	382,248.36	1,751,621.64	39° 32' 46.149 N	80° 22' 50.840 W

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<b>Well:</b>	Elliott 12H L-003930	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Main	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Elliott 12H As Drilled	<b>Database:</b>	EQT

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,363.0	24.79	52.28	4,273.8	282.7	416.8	382,270.32	1,751,650.04	39° 32' 46.369 N	80° 22' 50.480 W
4,449.0	25.17	53.83	4,351.8	304.5	445.9	382,292.14	1,751,679.07	39° 32' 46.587 N	80° 22' 50.112 W
4,536.0	24.60	53.27	4,430.7	326.3	475.3	382,313.89	1,751,708.51	39° 32' 46.805 N	80° 22' 49.739 W
4,622.0	23.59	50.63	4,509.2	347.9	503.0	382,335.51	1,751,736.17	39° 32' 47.021 N	80° 22' 49.389 W
4,709.0	22.46	49.20	4,589.2	369.8	529.0	382,357.41	1,751,762.20	39° 32' 47.240 N	80° 22' 49.059 W
4,795.0	21.63	49.17	4,669.0	390.9	553.4	382,378.51	1,751,786.63	39° 32' 47.451 N	80° 22' 48.750 W
4,881.0	21.95	51.35	4,748.8	411.3	578.0	382,398.91	1,751,811.18	39° 32' 47.655 N	80° 22' 48.439 W
4,959.0	22.19	50.97	4,821.1	429.7	600.8	382,417.29	1,751,834.01	39° 32' 47.839 N	80° 22' 48.150 W
5,046.0	23.00	49.15	4,901.4	451.1	626.4	382,438.76	1,751,859.63	39° 32' 48.054 N	80° 22' 47.826 W
5,132.0	23.65	51.52	4,980.4	472.9	652.6	382,460.48	1,751,885.84	39° 32' 48.271 N	80° 22' 47.494 W
5,219.0	23.87	55.58	5,060.0	493.7	680.8	382,481.29	1,751,914.02	39° 32' 48.479 N	80° 22' 47.137 W
5,305.0	23.36	54.54	5,138.8	513.4	709.1	382,501.02	1,751,942.27	39° 32' 48.677 N	80° 22' 46.779 W
5,392.0	24.14	52.65	5,218.5	534.2	737.3	382,521.82	1,751,970.46	39° 32' 48.885 N	80° 22' 46.421 W
5,478.0	24.89	52.47	5,296.7	555.9	765.6	382,543.51	1,751,998.79	39° 32' 49.103 N	80° 22' 46.062 W
5,564.0	25.07	54.30	5,374.7	577.5	794.7	382,565.17	1,752,027.94	39° 32' 49.319 N	80° 22' 45.693 W
5,651.0	25.61	55.29	5,453.3	599.0	825.2	382,586.63	1,752,058.36	39° 32' 49.535 N	80° 22' 45.307 W
5,737.0	26.51	55.30	5,530.5	620.5	856.2	382,608.14	1,752,089.42	39° 32' 49.750 N	80° 22' 44.914 W
5,824.0	26.59	57.52	5,608.4	642.0	888.6	382,629.65	1,752,121.81	39° 32' 49.966 N	80° 22' 44.503 W
5,910.0	25.69	57.27	5,685.6	662.4	920.5	382,650.07	1,752,153.73	39° 32' 50.171 N	80° 22' 44.098 W
5,996.0	25.46	54.51	5,763.2	683.3	951.3	382,670.88	1,752,184.46	39° 32' 50.379 N	80° 22' 43.708 W
6,083.0	25.76	54.83	5,841.6	705.0	981.9	382,692.62	1,752,215.14	39° 32' 50.597 N	80° 22' 43.319 W
6,169.0	25.79	56.93	5,919.1	726.0	1,012.9	382,713.60	1,752,246.10	39° 32' 50.808 N	80° 22' 42.927 W
6,255.0	25.15	56.23	5,996.7	746.3	1,043.8	382,733.96	1,752,276.97	39° 32' 51.012 N	80° 22' 42.535 W
6,342.0	23.52	53.34	6,076.0	767.0	1,073.1	382,754.61	1,752,306.26	39° 32' 51.219 N	80° 22' 42.164 W
6,428.0	22.78	53.46	6,155.0	787.1	1,100.2	382,774.76	1,752,333.40	39° 32' 51.421 N	80° 22' 41.820 W
6,505.0	22.93	52.55	6,226.0	805.1	1,124.1	382,792.76	1,752,357.29	39° 32' 51.601 N	80° 22' 41.517 W
6,592.0	22.80	51.58	6,306.2	825.9	1,150.7	382,813.54	1,752,383.95	39° 32' 51.809 N	80° 22' 41.179 W
6,678.0	23.17	50.76	6,385.3	847.0	1,176.9	382,834.60	1,752,410.11	39° 32' 52.019 N	80° 22' 40.848 W
6,765.0	23.74	50.40	6,465.1	869.0	1,203.7	382,856.59	1,752,436.86	39° 32' 52.239 N	80° 22' 40.509 W
6,851.0	23.24	49.18	6,544.0	891.1	1,229.8	382,878.71	1,752,463.04	39° 32' 52.460 N	80° 22' 40.178 W
6,937.0	24.71	51.50	6,622.6	913.4	1,256.7	382,901.00	1,752,489.95	39° 32' 52.683 N	80° 22' 39.837 W
7,023.0	26.30	55.58	6,700.2	935.3	1,286.5	382,922.96	1,752,519.74	39° 32' 52.903 N	80° 22' 39.460 W
7,110.0	27.78	58.33	6,777.7	956.9	1,319.7	382,944.50	1,752,552.89	39° 32' 53.119 N	80° 22' 39.039 W
7,196.0	27.34	56.42	6,854.0	978.3	1,353.2	382,965.95	1,752,586.41	39° 32' 53.335 N	80° 22' 38.614 W
7,282.0	26.22	53.25	6,930.7	1,000.6	1,384.9	382,988.24	1,752,618.08	39° 32' 53.558 N	80° 22' 38.212 W
7,369.0	26.11	53.36	7,008.8	1,023.5	1,415.6	383,011.16	1,752,648.84	39° 32' 53.787 N	80° 22' 37.822 W
7,455.0	26.16	52.98	7,086.0	1,046.2	1,446.0	383,033.87	1,752,679.17	39° 32' 54.015 N	80° 22' 37.438 W
7,482.0	26.21	53.63	7,110.3	1,053.4	1,455.5	383,040.99	1,752,688.72	39° 32' 54.086 N	80° 22' 37.317 W
7,513.0	26.17	51.40	7,138.1	1,061.7	1,466.4	383,049.31	1,752,699.57	39° 32' 54.169 N	80° 22' 37.180 W
<b>KOP2 at 7513.0 MD_7138.1 TVD</b>									
7,607.0	25.72	52.57	7,222.6	1,087.0	1,498.8	383,074.64	1,752,731.97	39° 32' 54.423 N	80° 22' 36.769 W
7,701.0	26.38	74.53	7,307.2	1,105.0	1,535.2	383,092.65	1,752,768.38	39° 32' 54.604 N	80° 22' 36.307 W
7,796.0	27.51	96.62	7,392.1	1,108.1	1,577.4	383,095.76	1,752,810.62	39° 32' 54.639 N	80° 22' 35.768 W
7,890.0	34.21	108.26	7,472.9	1,097.3	1,624.2	383,084.96	1,752,857.38	39° 32' 54.537 N	80° 22' 35.170 W
7,985.0	40.63	121.25	7,548.4	1,072.9	1,676.1	383,060.48	1,752,909.32	39° 32' 54.300 N	80° 22' 34.503 W
8,080.0	46.25	131.81	7,617.4	1,033.8	1,728.2	383,021.48	1,752,961.45	39° 32' 53.920 N	80° 22' 33.833 W
8,174.0	52.33	137.55	7,678.7	983.7	1,778.7	382,971.32	1,753,011.93	39° 32' 53.429 N	80° 22' 33.182 W
8,268.0	60.15	141.09	7,731.0	924.4	1,829.5	382,912.04	1,753,062.74	39° 32' 52.848 N	80° 22' 32.526 W
8,294.1	62.33	142.24	7,743.5	906.5	1,843.7	382,894.10	1,753,076.92	39° 32' 52.672 N	80° 22' 32.343 W
<b>Top of Marcellus at 8294.1 MD_7743.5 TVD</b>									
8,363.0	68.14	145.08	7,772.4	856.1	1,880.7	382,843.71	1,753,113.95	39° 32' 52.177 N	80° 22' 31.864 W
8,457.0	74.95	148.40	7,802.1	781.5	1,929.6	382,769.17	1,753,162.77	39° 32' 51.445 N	80° 22' 31.232 W
8,552.0	79.76	149.64	7,822.9	702.1	1,977.3	382,689.72	1,753,210.46	39° 32' 50.665 N	80° 22' 30.613 W
8,646.0	88.69	150.98	7,832.3	620.9	2,023.5	382,608.56	1,753,256.73	39° 32' 49.867 N	80° 22' 30.012 W
<b>LP at 8646.0 MD_7832.3 TVD - Deepest Point Of Well at 8646.0 MD_7832.3 TVD</b>									

Survey Report - Geographic

<b>Company:</b>	EQT PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Elliott 12H L-003930 - Slot Elliott 12H SHL
<b>Project:</b>	Marion County, WV	<b>TVD Reference:</b>	KB@28 @ 1371.0usft
<b>Site:</b>	Elliott Pad	<b>MD Reference:</b>	KB@28 @ 1371.0usft
<b>Well:</b>	Elliott 12H L-003930	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Main	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Elliott 12H As Drilled	<b>Database:</b>	EQT

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,741.0	91.91	149.64	7,831.9	538.4	2,070.6	382,526.04	1,753,303.77	39° 32' 49.056 N	80° 22' 29.401 W
8,835.0	91.95	153.51	7,828.7	455.8	2,115.3	382,443.44	1,753,348.49	39° 32' 48.244 N	80° 22' 28.820 W
8,930.0	91.41	154.91	7,825.9	370.3	2,156.6	382,357.94	1,753,389.80	39° 32' 47.403 N	80° 22' 28.282 W
9,000.0	93.46	154.30	7,822.9	307.1	2,186.6	382,294.76	1,753,419.79	39° 32' 46.781 N	80° 22' 27.892 W
9,036.0	92.80	154.39	7,821.0	274.7	2,202.1	382,262.36	1,753,435.35	39° 32' 46.463 N	80° 22' 27.689 W
9,131.0	88.93	156.19	7,819.5	188.5	2,241.8	382,176.09	1,753,475.05	39° 32' 45.614 N	80° 22' 27.172 W
9,225.0	88.87	155.24	7,821.3	102.8	2,280.5	382,090.42	1,753,513.70	39° 32' 44.771 N	80° 22' 26.668 W
9,320.0	90.31	155.54	7,822.0	16.4	2,320.1	382,004.06	1,753,553.26	39° 32' 43.921 N	80° 22' 26.152 W
9,414.0	90.04	155.88	7,821.7	-69.2	2,358.7	381,918.38	1,753,591.93	39° 32' 43.078 N	80° 22' 25.648 W
9,509.0	89.41	155.72	7,822.2	-155.9	2,397.7	381,831.73	1,753,630.87	39° 32' 42.225 N	80° 22' 25.140 W
9,603.0	90.65	158.07	7,822.1	-242.3	2,434.6	381,745.28	1,753,667.76	39° 32' 41.374 N	80° 22' 24.658 W
9,698.0	90.65	157.74	7,821.1	-330.4	2,470.3	381,657.26	1,753,703.49	39° 32' 40.508 N	80° 22' 24.191 W
9,792.0	89.91	157.25	7,820.6	-417.2	2,506.3	381,570.42	1,753,739.47	39° 32' 39.653 N	80° 22' 23.721 W
9,886.0	90.85	156.96	7,820.0	-503.8	2,542.8	381,483.83	1,753,776.03	39° 32' 38.801 N	80° 22' 23.244 W
9,980.0	90.41	156.42	7,818.9	-590.1	2,580.0	381,397.51	1,753,813.23	39° 32' 37.951 N	80° 22' 22.758 W
10,075.0	90.41	155.25	7,818.3	-676.8	2,618.9	381,310.84	1,753,852.12	39° 32' 37.098 N	80° 22' 22.251 W
10,168.0	92.39	161.06	7,816.0	-763.0	2,653.5	381,224.58	1,753,886.70	39° 32' 36.249 N	80° 22' 21.799 W
10,263.0	90.45	154.31	7,813.6	-850.8	2,689.5	381,136.78	1,753,922.74	39° 32' 35.385 N	80° 22' 21.328 W
10,358.0	90.14	155.08	7,813.1	-936.7	2,730.1	381,050.90	1,753,963.34	39° 32' 34.540 N	80° 22' 20.799 W
10,452.0	91.66	160.28	7,811.7	-1,023.6	2,765.8	380,963.98	1,753,999.02	39° 32' 33.684 N	80° 22' 20.333 W
10,546.0	91.61	163.11	7,809.0	-1,112.8	2,795.3	380,874.79	1,754,028.53	39° 32' 32.806 N	80° 22' 19.945 W
10,641.0	90.74	154.24	7,807.0	-1,201.2	2,829.8	380,786.40	1,754,063.04	39° 32' 31.935 N	80° 22' 19.493 W
10,736.0	90.37	152.34	7,806.1	-1,286.1	2,872.5	380,701.54	1,754,105.73	39° 32' 31.101 N	80° 22' 18.938 W
10,831.0	91.14	153.94	7,804.9	-1,370.8	2,915.4	380,616.80	1,754,148.65	39° 32' 30.267 N	80° 22' 18.380 W
10,925.0	90.54	153.44	7,803.5	-1,455.1	2,957.1	380,532.55	1,754,190.31	39° 32' 29.439 N	80° 22' 17.837 W
11,019.0	91.28	152.75	7,802.0	-1,538.9	2,999.6	380,448.74	1,754,232.84	39° 32' 28.614 N	80° 22' 17.284 W
11,114.0	90.40	152.88	7,800.6	-1,623.4	3,043.0	380,364.24	1,754,276.24	39° 32' 27.783 N	80° 22' 16.720 W
11,208.0	90.34	151.88	7,800.0	-1,706.7	3,086.6	380,280.96	1,754,319.81	39° 32' 26.964 N	80° 22' 16.153 W
11,303.0	90.77	153.74	7,799.1	-1,791.2	3,130.0	380,196.46	1,754,363.22	39° 32' 26.133 N	80° 22' 15.589 W
11,398.0	90.61	152.04	7,797.9	-1,875.7	3,173.3	380,111.91	1,754,406.51	39° 32' 25.302 N	80° 22' 15.026 W
11,492.0	91.68	154.24	7,796.0	-1,959.6	3,215.8	380,028.07	1,754,448.97	39° 32' 24.477 N	80° 22' 14.473 W
11,587.0	92.55	153.11	7,792.5	-2,044.6	3,257.9	379,942.99	1,754,491.07	39° 32' 23.640 N	80° 22' 13.926 W
11,682.0	91.68	151.64	7,789.0	-2,128.8	3,301.9	379,858.88	1,754,535.08	39° 32' 22.813 N	80° 22' 13.353 W
11,776.0	91.65	153.62	7,786.3	-2,212.2	3,345.1	379,775.44	1,754,578.28	39° 32' 21.993 N	80° 22' 12.792 W
11,871.0	91.44	154.13	7,783.7	-2,297.5	3,386.9	379,690.17	1,754,620.09	39° 32' 21.154 N	80° 22' 12.247 W
11,966.0	92.15	153.87	7,780.8	-2,382.8	3,428.5	379,604.83	1,754,661.72	39° 32' 20.315 N	80° 22' 11.706 W
12,060.0	90.00	152.92	7,779.0	-2,466.8	3,470.6	379,520.81	1,754,703.81	39° 32' 19.488 N	80° 22' 11.158 W
12,155.0	91.14	156.35	7,778.0	-2,552.6	3,511.3	379,434.98	1,754,744.49	39° 32' 18.644 N	80° 22' 10.628 W
12,250.0	91.31	153.07	7,776.0	-2,638.5	3,551.9	379,349.12	1,754,785.06	39° 32' 17.799 N	80° 22' 10.100 W
12,344.0	91.07	153.84	7,774.1	-2,722.6	3,593.9	379,265.05	1,754,827.06	39° 32' 16.972 N	80° 22' 9.553 W
12,438.0	91.18	152.46	7,772.2	-2,806.4	3,636.3	379,181.20	1,754,869.51	39° 32' 16.148 N	80° 22' 9.001 W
12,533.0	90.71	152.96	7,770.7	-2,890.8	3,679.9	379,096.78	1,754,913.06	39° 32' 15.317 N	80° 22' 8.435 W
12,628.0	91.31	153.67	7,769.0	-2,975.7	3,722.5	379,011.92	1,754,955.71	39° 32' 14.483 N	80° 22' 7.880 W
12,723.0	90.74	152.22	7,767.3	-3,060.3	3,765.7	378,927.33	1,754,998.92	39° 32' 13.651 N	80° 22' 7.318 W
12,817.0	91.18	153.91	7,765.7	-3,144.1	3,808.3	378,843.54	1,755,041.49	39° 32' 12.827 N	80° 22' 6.764 W
12,911.0	91.18	156.27	7,763.8	-3,229.3	3,847.9	378,758.31	1,755,081.07	39° 32' 11.988 N	80° 22' 6.248 W
13,007.0	90.40	155.04	7,762.4	-3,316.8	3,887.4	378,670.86	1,755,120.64	39° 32' 11.128 N	80° 22' 5.733 W
13,101.0	89.80	153.81	7,762.3	-3,401.6	3,928.0	378,586.07	1,755,161.22	39° 32' 10.294 N	80° 22' 5.204 W
13,196.0	89.90	153.11	7,762.5	-3,486.5	3,970.5	378,501.08	1,755,203.67	39° 32' 9.458 N	80° 22' 4.652 W
13,291.0	90.94	155.10	7,761.8	-3,572.0	4,011.9	378,415.63	1,755,245.15	39° 32' 8.617 N	80° 22' 4.112 W
13,386.0	89.87	154.14	7,761.2	-3,657.8	4,052.7	378,329.80	1,755,285.87	39° 32' 7.773 N	80° 22' 3.582 W
13,481.0	89.30	154.79	7,761.8	-3,743.5	4,093.6	378,244.08	1,755,326.82	39° 32' 6.929 N	80° 22' 3.048 W
13,541.0	89.30	154.39	7,762.6	-3,797.7	4,119.4	378,189.89	1,755,352.56	39° 32' 6.396 N	80° 22' 2.713 W
13,563.0	89.30	154.39	7,762.8	-3,817.6	4,128.9	378,170.05	1,755,362.07	39° 32' 6.201 N	80° 22' 2.589 W

TD at 13563.0 MD\_7762.8 TVD

Survey Report - Geographic

<b>Company:</b>	EQT PRODUCTION	<b>Local Co-ordinate Reference:</b>	Well Elliott 12H L-003930 - Slot Elliott 12H SHL
<b>Project:</b>	Marion County, WV	<b>TVD Reference:</b>	KB@28 @ 1371.0usft
<b>Site:</b>	Elliott Pad	<b>MD Reference:</b>	KB@28 @ 1371.0usft
<b>Well:</b>	Elliott 12H L-003930	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Main	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Elliott 12H As Drilled	<b>Database:</b>	EQT

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
Elliott_12H_(1)SHL - actual wellpath hits target center - Point	0.00	0.00	0.0	0.0	0.0	381,987.63	1,751,233.20	39° 32' 43.534 N	80° 22' 55.766 W
Elliott_12H_(3)Bottom Hc - actual wellpath hits target center - Point	0.00	0.00	7,762.8	-3,817.6	4,128.9	378,170.05	1,755,362.07	39° 32' 6.201 N	80° 22' 2.589 W
Elliott_12H_(2)Landing P - actual wellpath hits target center - Point	0.00	360.00	7,832.3	620.9	2,023.5	382,608.56	1,753,256.73	39° 32' 49.867 N	80° 22' 30.012 W



Elliott Pad  
 Elliott 12H As Drilled  
 KB@28 @ 1371.0usft  
 Marion County, WV  
 Main

PROJECT DETAILS:  
 Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: West Virginia North 4701  
 System Datum: Mean Sea Level



WELL DETAIL Elliott 12H L-003930					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	381987.63	1751233.20	39° 32' 43.534 N	80° 22' 55.766 W

