

American Energy Partners  
 Reagan County, TX.  
 Blk 9, Sec 6  
 University 09B #0613H

Original Wellpath

**Final MWD Survey**

Vertical Section Dir.: (0.76°)

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.53	200.81	100.00	-0.43	-0.16	-0.43	0.53	
200.00	0.23	233.02	200.00	-0.99	-0.49	-0.99	0.36	
300.00	0.18	235.56	300.00	-1.19	-0.78	-1.21	0.05	
400.00	0.50	242.57	399.99	-1.48	-1.30	-1.50	0.32	
500.00	0.55	254.68	499.99	-1.81	-2.15	-1.84	0.12	
600.00	0.80	267.37	599.98	-1.97	-3.31	-2.02	0.29	Tie On Point
698.00	1.20	255.70	697.97	-2.26	-4.98	-2.32	0.46	
793.00	0.90	274.00	792.95	-2.45	-6.69	-2.54	0.47	
887.00	0.90	272.70	886.94	-2.36	-8.17	-2.47	0.02	
982.00	2.00	331.60	981.91	-0.87	-9.70	-1.00	1.81	
1077.00	5.10	331.20	1076.72	4.29	-12.52	4.12	3.26	
1172.00	5.30	331.80	1171.33	11.86	-16.63	11.63	0.22	
1266.00	5.00	333.60	1264.95	19.35	-20.50	19.08	0.36	
1360.00	5.00	339.00	1358.59	26.85	-23.79	26.53	0.50	
1454.00	4.50	337.60	1452.27	34.08	-26.67	33.72	0.55	
1549.00	3.30	333.20	1547.05	39.97	-29.32	39.57	1.30	
1643.00	2.50	340.50	1640.93	44.31	-31.22	43.89	0.94	
1737.00	1.80	346.00	1734.86	47.68	-32.27	47.24	0.78	
1832.00	0.60	40.50	1829.84	49.50	-32.30	49.07	1.61	
1926.00	0.70	73.90	1923.83	50.04	-31.43	49.61	0.41	
2020.00	0.80	32.10	2017.83	50.75	-30.53	50.34	0.58	
2114.00	0.70	62.70	2111.82	51.57	-29.67	51.17	0.43	
2208.00	0.60	89.60	2205.81	51.84	-28.67	51.45	0.34	
2302.00	0.90	115.50	2299.80	51.52	-27.51	51.15	0.47	
2397.00	0.60	94.20	2394.80	51.17	-26.34	50.81	0.43	
2491.00	0.60	102.60	2488.79	51.02	-25.37	50.68	0.09	
2585.00	0.90	105.10	2582.78	50.72	-24.18	50.40	0.32	
2680.00	0.80	163.30	2677.77	49.89	-23.27	49.58	0.88	
2772.00	0.70	143.30	2769.77	48.83	-22.75	48.52	0.30	
2866.00	1.00	176.00	2863.76	47.55	-22.35	47.25	0.59	
2960.00	0.70	166.80	2957.75	46.17	-22.16	45.87	0.35	
3054.00	0.90	157.50	3051.74	44.93	-21.74	44.64	0.25	
3148.00	1.10	198.10	3145.72	43.39	-21.74	43.10	0.76	
3242.00	0.90	225.20	3239.71	42.01	-22.55	41.71	0.54	
3336.00	0.20	166.40	3333.70	41.33	-23.03	41.02	0.87	
3431.00	0.40	154.60	3428.70	40.87	-22.85	40.56	0.22	

3524.00	0.60	125.10	3521.70	40.30	-22.31	40.00	0.34
3619.00	0.80	115.30	3616.69	39.73	-21.31	39.44	0.24
3713.00	0.80	137.00	3710.68	38.97	-20.27	38.70	0.32
3807.00	1.20	199.40	3804.67	37.56	-20.14	37.29	1.16
3901.00	1.10	203.30	3898.65	35.80	-20.83	35.52	0.14
3995.00	0.90	226.90	3992.64	34.47	-21.72	34.18	0.48
4089.00	1.00	219.10	4086.63	33.33	-22.78	33.02	0.17
4183.00	0.80	232.90	4180.61	32.30	-23.82	31.98	0.31
4277.00	0.60	212.70	4274.61	31.49	-24.61	31.16	0.33
4371.00	0.80	213.60	4368.60	30.53	-25.24	30.19	0.21
4465.00	0.30	186.50	4462.60	29.74	-25.63	29.39	0.59
4560.00	0.50	173.30	4557.59	29.08	-25.61	28.73	0.23
4654.00	0.10	192.10	4651.59	28.59	-25.58	28.25	0.43
4748.00	0.20	115.30	4745.59	28.44	-25.45	28.10	0.22
4843.00	0.10	81.80	4840.59	28.38	-25.22	28.04	0.14
4937.00	0.40	109.50	4934.59	28.28	-24.83	27.95	0.34
5031.00	0.50	106.50	5028.59	28.06	-24.12	27.73	0.11
5125.00	0.60	160.80	5122.58	27.48	-23.57	27.16	0.54
5219.00	0.40	102.30	5216.58	26.94	-23.09	26.63	0.55
5314.00	0.30	142.80	5311.58	26.67	-22.61	26.37	0.27
5408.00	0.20	292.60	5405.58	26.54	-22.61	26.23	0.51
5502.00	1.30	70.10	5499.57	26.96	-21.76	26.67	1.55
5596.00	1.50	77.90	5593.54	27.59	-19.56	27.32	0.29
5691.00	0.70	70.30	5688.53	28.04	-17.80	27.80	0.85
5785.00	0.50	67.90	5782.52	28.39	-16.87	28.16	0.21
5877.00	0.70	71.60	5874.52	28.72	-15.97	28.50	0.22
5971.00	0.90	98.50	5968.51	28.79	-14.69	28.59	0.45
6065.00	0.50	210.00	6062.50	28.33	-14.17	28.13	1.25
6159.00	0.70	123.30	6156.50	27.66	-13.89	27.47	0.89
6253.00	0.50	60.80	6250.49	27.54	-13.06	27.36	0.69
6362.00	0.80	80.80	6359.49	27.89	-11.89	27.73	0.34
6451.00	0.60	83.60	6448.48	28.05	-10.81	27.90	0.23
6545.00	0.50	0.40	6542.48	28.51	-10.32	28.37	0.78
6639.00	1.50	298.90	6636.46	29.52	-11.40	29.36	1.42
6733.00	0.70	298.10	6730.45	30.38	-12.98	30.20	0.85
6828.00	0.40	305.90	6825.44	30.85	-13.76	30.66	0.32
6922.00	1.10	304.60	6919.43	31.55	-14.77	31.35	0.74
7017.00	0.60	300.80	7014.42	32.33	-15.95	32.11	0.53
7112.00	0.40	302.40	7109.42	32.76	-16.65	32.53	0.21
7206.00	0.30	21.00	7203.42	33.16	-16.84	32.94	0.48
7300.00	0.40	58.80	7297.42	33.56	-16.47	33.34	0.26
7394.00	2.00	15.50	7391.39	35.31	-15.76	35.10	1.84
7425.00	4.50	12.00	7422.34	37.02	-15.36	36.82	8.09
7457.00	6.10	10.20	7454.20	39.93	-14.80	39.73	5.03
7488.00	8.00	1.90	7484.97	43.70	-14.43	43.51	6.94
7519.00	9.10	358.30	7515.62	48.31	-14.43	48.11	3.94
7551.00	12.10	357.90	7547.07	54.19	-14.63	53.99	9.38
7582.00	14.30	358.10	7577.25	61.27	-14.88	61.06	7.10
7613.00	16.40	359.30	7607.14	69.47	-15.06	69.26	6.85
7645.00	18.20	359.30	7637.70	78.98	-15.17	78.78	5.62
7675.00	19.80	358.50	7666.06	88.75	-15.36	88.54	5.40

7706.00	22.20	358.70	7695.00	99.85	-15.63	99.64	7.75
7738.00	25.50	359.40	7724.26	112.79	-15.84	112.57	10.35
7769.00	28.00	357.70	7751.94	126.74	-16.21	126.51	8.43
7800.00	30.90	358.60	7778.93	141.97	-16.69	141.73	9.46
7832.00	33.60	358.10	7806.00	159.03	-17.19	158.79	8.48
7863.00	37.10	357.70	7831.28	176.96	-17.85	176.70	11.31
7894.00	40.60	357.60	7855.42	196.38	-18.64	196.12	11.29
7926.00	44.30	357.70	7879.02	217.96	-19.53	217.68	11.56
7957.00	47.90	358.00	7900.51	240.28	-20.37	239.98	11.63
7989.00	51.20	358.30	7921.27	264.61	-21.15	264.31	10.34
8020.00	55.00	358.40	7939.88	289.39	-21.86	289.07	12.26
8052.00	59.10	358.50	7957.28	316.22	-22.59	315.89	12.82
8083.00	63.30	358.90	7972.22	343.38	-23.20	343.04	13.60
8115.00	67.60	358.90	7985.51	372.47	-23.76	372.12	13.44
8147.00	71.60	358.60	7996.66	402.45	-24.42	402.09	12.53
8178.00	76.00	357.90	8005.31	432.20	-25.33	431.82	14.36
8241.00	81.60	358.50	8017.54	493.94	-27.27	493.54	8.94
8332.00	86.80	1.10	8026.73	584.44	-27.57	584.02	6.38
8426.00	90.50	2.30	8028.95	678.35	-24.78	677.96	4.14
8520.00	92.40	2.30	8026.57	772.24	-21.01	771.89	2.02
8621.00	91.50	1.90	8023.13	873.11	-17.31	872.81	0.98
8715.00	90.50	0.30	8021.49	967.08	-15.51	966.79	2.01
8809.00	89.20	359.70	8021.74	1061.08	-15.51	1060.77	1.52
8904.00	91.70	2.10	8020.99	1156.05	-14.02	1155.76	3.65
8998.00	90.70	3.30	8019.02	1249.92	-9.59	1249.68	1.66
9092.00	90.40	1.80	8018.12	1343.82	-5.41	1343.63	1.63
9186.00	88.50	1.40	8019.02	1437.77	-2.78	1437.61	2.07
9280.00	89.30	1.40	8020.83	1531.73	-0.49	1531.58	0.85
9374.00	89.80	0.50	8021.57	1625.71	1.07	1625.58	1.10
9469.00	90.60	359.60	8021.23	1720.71	1.15	1720.57	1.27
9563.00	90.80	358.80	8020.09	1814.69	-0.16	1814.53	0.88
9657.00	90.00	0.50	8019.43	1908.68	-0.73	1908.50	2.00
9751.00	88.50	0.60	8020.66	2002.67	0.17	2002.49	1.60
9845.00	89.30	0.40	8022.46	2096.65	0.99	2096.47	0.88
9940.00	90.10	1.30	8022.96	2191.63	2.40	2191.47	1.27
10034.00	89.90	0.70	8022.96	2285.62	4.04	2285.47	0.67
10128.00	88.60	0.50	8024.19	2379.60	5.02	2379.46	1.40
10223.00	89.20	0.50	8026.02	2474.58	5.85	2474.44	0.63
10317.00	91.10	1.80	8025.77	2568.55	7.74	2568.43	2.45
10411.00	89.50	1.20	8025.28	2662.52	10.20	2662.42	1.82
10505.00	89.00	1.30	8026.51	2756.49	12.25	2756.41	0.54
10599.00	89.80	1.50	8027.49	2850.45	14.55	2850.39	0.88
10693.00	89.90	0.80	8027.74	2944.43	16.43	2944.39	0.75
10787.00	90.40	0.60	8027.49	3038.43	17.58	3038.39	0.57
10882.00	90.90	0.00	8026.41	3133.42	18.08	3133.38	0.82
10977.00	92.00	0.00	8024.01	3228.39	18.08	3228.34	1.16
11070.00	90.00	0.10	8022.39	3321.37	18.16	3321.31	2.15
11165.00	88.70	0.80	8023.47	3416.36	18.90	3416.30	1.55
11259.00	90.20	1.40	8024.37	3510.33	20.71	3510.29	1.72
11354.00	91.30	1.50	8023.12	3605.29	23.11	3605.28	1.16
11448.00	89.50	0.70	8022.47	3699.27	24.92	3699.27	2.10

11542.00	91.40	2.10	8021.73	3793.23	27.21	3793.25	2.51
11636.00	89.30	1.00	8021.16	3887.19	29.76	3887.24	2.52
11731.00	87.00	0.60	8024.22	3982.12	31.08	3982.18	2.46
11825.00	87.30	0.60	8028.90	4076.00	32.06	4076.06	0.32
11920.00	88.30	0.80	8032.54	4170.92	33.22	4170.99	1.07
12014.00	90.60	2.10	8033.44	4264.88	35.60	4264.97	2.81
12108.00	92.20	2.70	8031.15	4358.76	39.54	4358.90	1.82
12202.00	91.20	1.40	8028.36	4452.66	42.90	4452.84	1.74
12297.00	91.60	1.30	8026.04	4547.60	45.14	4547.80	0.43
12391.00	90.30	0.70	8024.48	4641.57	46.78	4641.79	1.52
12485.00	90.20	1.60	8024.07	4735.55	48.66	4735.78	0.96
12579.00	87.30	1.30	8026.12	4829.49	51.04	4829.74	3.10
12673.00	87.30	1.30	8030.55	4923.36	53.17	4923.63	0.00
12767.00	88.00	1.40	8034.40	5017.26	55.38	5017.55	0.75
12862.00	89.00	1.70	8036.89	5112.19	57.95	5112.51	1.10
12956.00	89.90	2.10	8037.79	5206.13	61.07	5206.48	1.05
13051.00	90.80	2.20	8037.21	5301.06	64.63	5301.45	0.95
13145.00	92.00	2.90	8034.91	5394.94	68.81	5395.38	1.48
13239.00	89.90	2.60	8033.36	5488.81	73.32	5489.30	2.26
13334.00	89.60	2.50	8033.77	5583.72	77.55	5584.25	0.33
13427.00	90.80	2.40	8033.45	5676.63	81.52	5677.21	1.29
13522.00	90.40	1.70	8032.45	5771.56	84.92	5772.18	0.85
13616.00	90.80	0.90	8031.47	5865.53	87.06	5866.17	0.95
13694.00	90.30	359.80	8030.72	5943.53	87.53	5944.16	1.55
13747.00	90.30	359.80	8030.44	5996.52	87.35	5997.16	0.00 PTB - TD







