



Company: Baker Hughes  
 Customer/Operator: Pioneer Natural Resources USA, Inc.  
 Job Number: 111610575  
 API Number: 42003486660000  
 Date Range: 12/17/2022 - 1/14/2023  
 Rig Name: Ensign T125  
 Rig Elev/Dat: 2993.00 (ft) / MSL  
 Well: University 6-48D 104H  
 Wellbore: University 6-48D 104H

Tie/Proj	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	Temperature (degF)	True Vertical Depth (ft)	Northing (ft)	Easting (ft)	DLS (deg/100ft)	Vertical Section (ft)	Course Length (ft)	Build Rate (deg/100ft)	Turn Rate (deg/100ft)
Tie	0.00	0.00	358.80		0.00	0.00	0.00		0.00	0.00		
	25.00	0.00	358.80		25.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00
	144.00	0.20	358.80		144.00	0.21	0.00	0.17	-0.20	119.00	0.17	0.00
	229.00	0.20	64.70		229.00	0.42	0.13	0.26	-0.38	85.00	0.00	77.53
	311.00	0.20	262.10		311.00	0.46	0.11	0.48	-0.42	82.00	0.00	-198.29
	402.00	0.50	285.70		402.00	0.55	-0.43	0.36	-0.63	91.00	0.33	25.93
	495.00	0.80	165.80		494.99	0.03	-0.66	1.22	-0.19	93.00	0.32	-128.92
	589.00	0.90	161.40		588.98	-1.31	-0.26	0.13	1.21	94.00	0.11	-4.68
	682.00	1.60	173.00		681.96	-3.29	0.13	0.80	3.22	93.00	0.75	12.47
	777.00	1.80	172.80		776.92	-6.09	0.48	0.21	6.02	95.00	0.21	-0.21
	870.00	1.70	160.70		869.88	-8.84	1.12	0.41	8.84	93.00	-0.11	-13.01
	965.00	2.30	169.00		964.82	-12.04	1.95	0.70	12.15	95.00	0.63	8.74
	1059.00	2.80	167.40		1058.72	-16.13	2.81	0.54	16.33	94.00	0.53	-1.70
	1151.00	2.70	173.50		1150.62	-20.48	3.54	0.34	20.72	92.00	-0.11	6.63
	1245.00	2.50	173.00		1244.52	-24.71	4.04	0.21	24.95	94.00	-0.21	-0.53
	1340.00	2.50	177.90		1339.43	-28.84	4.37	0.22	29.03	95.00	0.00	5.16
	1435.00	2.50	173.20		1434.34	-32.97	4.69	0.22	33.12	95.00	0.00	-4.95
	1529.00	2.40	166.30		1528.26	-36.91	5.40	0.33	37.12	94.00	-0.11	-7.34
	1624.00	2.10	162.60		1623.18	-40.51	6.39	0.35	40.84	95.00	-0.32	-3.89
	1717.00	2.30	154.90		1716.11	-43.82	7.70	0.38	44.38	93.00	0.22	-8.28
	1811.00	1.70	156.50		1810.06	-46.81	9.05	0.64	47.60	94.00	-0.64	1.70
	1906.00	1.10	169.10		1905.03	-49.00	9.79	0.71	49.91	95.00	-0.63	13.26
	1944.00	1.30	164.20		1943.02	-49.77	9.97	0.59	50.70	38.00	0.53	-12.89
	2045.00	0.45	172.74	93.25	2044.01	-51.27	10.34	0.85	52.24	101.00	-0.84	8.46
	2135.00	0.93	178.00	104.06	2134.00	-52.35	10.41	0.54	53.30	90.00	0.53	5.84
	2225.00	2.26	177.00	104.06	2223.96	-54.85	10.52	1.48	55.76	90.00	1.48	-1.11
	2315.00	2.94	170.05	112.17	2313.87	-58.90	11.02	0.83	59.80	90.00	0.76	-7.72
	2406.00	5.03	170.05	120.28	2404.65	-65.12	12.11	2.30	66.11	91.00	2.30	0.00
	2496.00	7.08	174.95	120.28	2494.14	-74.54	13.28	2.35	75.52	90.00	2.28	5.44
	2587.00	7.22	175.97	120.28	2584.43	-85.83	14.17	0.21	86.69	91.00	0.15	1.12
	2677.00	7.02	175.86	128.39	2673.74	-96.95	14.97	0.22	97.68	90.00	-0.22	-0.12
	2767.00	6.10	173.74	128.39	2763.15	-107.19	15.89	1.06	107.83	90.00	-1.02	-2.36
	2857.00	4.82	159.15	128.39	2852.74	-115.48	17.75	2.09	116.32	90.00	-1.42	-16.21
	2948.00	3.06	132.04	128.39	2943.53	-120.68	20.92	2.77	122.14	91.00	-1.93	-29.79
	3039.00	2.32	123.42	133.80	3034.43	-123.32	24.26	0.92	125.51	91.00	-0.81	-9.47
	3129.00	0.76	143.42	136.50	3124.39	-124.80	26.14	1.81	127.41	90.00	-1.73	22.22
	3219.00	0.19	109.44	139.20	3214.39	-125.33	26.63	0.68	128.04	90.00	-0.63	-37.76
	3310.00	0.37	137.97	136.50	3305.39	-125.60	26.97	0.24	128.39	91.00	0.20	31.35
	3400.00	0.48	139.50	133.80	3395.39	-126.10	27.41	0.12	128.98	90.00	0.12	1.70
	3490.00	0.57	133.48	133.80	3485.38	-126.70	27.98	0.12	129.70	90.00	0.10	-6.69
	3581.00	0.44	130.80	139.20	3576.38	-127.24	28.57	0.15	130.36	91.00	-0.14	-2.95
	3671.00	0.42	111.05	141.91	3666.38	-127.58	29.14	0.17	130.84	90.00	-0.02	-21.94
	3762.00	0.76	319.29	141.91	3757.38	-127.25	29.06	1.26	130.49	91.00	0.37	-166.77
	3852.00	1.35	315.77	144.61	3847.36	-126.03	27.93	0.66	129.04	90.00	0.66	-3.91
	3943.00	1.07	320.96	144.61	3938.34	-124.60	26.65	0.33	127.34	91.00	-0.31	5.70
	4033.00	0.93	311.74	144.61	4028.33	-123.47	25.58	0.24	125.97	90.00	-0.16	-10.24
	4123.00	0.81	312.56	147.31	4118.32	-122.55	24.56	0.13	124.84	90.00	-0.13	0.91
	4213.00	0.54	313.27	150.02	4208.31	-121.83	23.78	0.30	123.95	90.00	-0.30	0.79
	4304.00	0.48	328.88	152.72	4299.31	-121.21	23.27	0.17	123.22	91.00	-0.07	17.15
	4394.00	0.41	312.99	152.72	4389.30	-120.67	22.84	0.16	122.59	90.00	-0.08	-17.66
	4484.00	0.37	344.00	147.31	4479.30	-120.17	22.53	0.24	122.03	90.00	-0.04	34.46
	4575.00	0.33	314.21	147.31	4570.30	-119.70	22.26	0.20	121.52	91.00	-0.04	-32.74
	4665.00	0.19	298.54	144.61	4660.30	-119.45	21.94	0.17	121.19	90.00	-0.16	-17.41
	4755.00	0.29	323.14	147.31	4750.30	-119.20	21.68	0.16	120.88	90.00	0.11	27.33
	4846.00	0.33	312.41	150.02	4841.30	-118.84	21.34	0.08	120.45	91.00	0.04	-11.79
	4936.00	0.16	268.32	152.72	4931.30	-118.66	21.03	0.27	120.21	90.00	-0.19	-48.99
	5026.00	0.22	279.92	155.42	5021.30	-118.64	20.73	0.08	120.11	90.00	0.07	12.89
	5116.00	0.19	274.52	358.16	5111.29	-118.60	20.41	0.04	119.99	90.00	-0.03	-6.00
	5207.00	0.20	166.14	152.72	5202.29	-118.74	20.30	0.35	120.10	91.00	0.01	-119.10

	5297.00	0.28	175.38	152.72	5292.29	-119.11	20.35	0.10	120.48	90.00	0.09	10.27
	5387.00	0.09	172.76	155.42	5382.29	-119.40	20.38	0.21	120.76	90.00	-0.21	-2.91
	5478.00	0.16	182.34	152.72	5473.29	-119.60	20.39	0.08	120.96	91.00	0.08	10.53
	5568.00	0.12	90.17	155.42	5563.29	-119.72	20.47	0.23	121.10	90.00	-0.04	-102.41
	5659.00	0.37	101.25	155.42	5654.29	-119.78	20.86	0.28	121.25	91.00	0.27	12.18
	5749.00	0.40	117.45	158.12	5744.29	-119.98	21.42	0.12	121.58	90.00	0.03	18.00
	5840.00	0.38	99.32	155.42	5835.29	-120.18	22.00	0.14	121.91	91.00	-0.02	-19.92
	5930.00	0.37	77.32	139.20	5925.29	-120.16	22.58	0.16	122.04	90.00	-0.01	-24.44
	6021.00	0.37	114.09	144.61	6016.28	-120.22	23.13	0.26	122.23	91.00	0.00	40.41
	6111.00	0.31	69.87	144.61	6106.28	-120.25	23.63	0.29	122.38	90.00	-0.07	-49.13
	6201.00	0.22	57.77	144.61	6196.28	-120.08	24.00	0.12	122.30	90.00	-0.10	-13.44
	6292.00	0.31	74.75	147.31	6287.28	-119.92	24.39	0.13	122.25	91.00	0.10	18.66
	6382.00	0.22	74.31	147.31	6377.28	-119.81	24.79	0.10	122.24	90.00	-0.10	-0.49
	6472.00	0.28	57.08	150.02	6467.28	-119.64	25.14	0.11	122.16	90.00	0.07	-19.14
	6563.00	0.29	60.86	152.72	6558.28	-119.41	25.53	0.02	122.03	91.00	0.01	4.15
	6653.00	0.31	51.50	155.42	6648.28	-119.15	25.92	0.06	121.87	90.00	0.02	-10.40
	6744.00	0.38	52.56	155.42	6739.27	-118.81	26.35	0.08	121.65	91.00	0.08	1.16
	6802.00	0.35	69.65	158.12	6797.27	-118.63	26.67	0.19	121.55	58.00	-0.05	29.47
	6962.00	0.17	325.08	112.17	6957.27	-118.27	26.99	0.27	121.28	160.00	-0.11	-65.36
	7052.00	0.03	93.32	114.87	7047.27	-118.16	26.94	0.21	121.16	90.00	-0.16	142.49
	7142.00	0.04	32.81	117.58	7137.27	-118.13	26.98	0.04	121.15	90.00	0.01	-67.23
	7232.00	0.11	145.73	120.28	7227.27	-118.18	27.04	0.15	121.21	90.00	0.08	125.47
	7323.00	0.17	127.58	120.28	7318.27	-118.33	27.20	0.08	121.39	91.00	0.07	-19.95
	7413.00	0.04	153.10	120.28	7408.27	-118.44	27.32	0.15	121.53	90.00	-0.14	28.36
	7503.00	0.19	41.45	122.98	7498.27	-118.36	27.43	0.23	121.48	90.00	0.17	-124.06
	7594.00	0.06	10.28	128.39	7589.27	-118.20	27.54	0.16	121.35	91.00	-0.14	-34.25
	7684.00	0.03	155.99	125.69	7679.27	-118.17	27.56	0.10	121.33	90.00	-0.03	161.90
	7774.00	0.15	108.58	128.39	7769.27	-118.23	27.68	0.15	121.41	90.00	0.13	-52.68
	7865.00	0.12	31.58	128.39	7860.27	-118.19	27.84	0.19	121.41	91.00	-0.03	-84.62
	7955.00	0.61	21.73	131.09	7950.27	-117.66	28.07	0.55	120.96	90.00	0.54	-10.94
	8045.00	0.62	192.36	131.09	8040.27	-117.69	28.14	1.36	121.00	90.00	0.01	189.59
	8136.00	0.48	262.32	133.80	8131.26	-118.23	27.66	0.70	121.40	91.00	-0.15	76.88
	8226.00	0.41	265.59	133.80	8221.26	-118.30	26.97	0.08	121.31	90.00	-0.08	3.63
	8317.00	0.09	172.56	131.09	8312.26	-118.40	26.65	0.47	121.32	91.00	-0.35	-102.23
	8407.00	9.76	181.92	131.09	8401.82	-126.11	26.40	10.75	128.74	90.00	10.74	10.40
	8498.00	20.30	194.88	133.80	8489.61	-149.15	22.08	12.09	150.03	91.00	11.58	14.24
	8588.00	29.01	175.97	136.50	8571.45	-186.13	19.59	12.95	185.29	90.00	9.68	-21.01
	8678.00	34.43	161.81	136.50	8648.08	-232.17	29.09	10.20	232.25	90.00	6.02	-15.73
	8769.00	43.82	162.86	136.50	8718.60	-286.84	46.45	10.34	289.50	91.00	10.32	1.15
	8859.00	49.48	168.66	139.20	8808.38	-350.23	62.37	7.84	354.87	90.00	6.29	6.44
	8950.00	58.21	163.19	139.20	8834.05	-421.34	80.40	10.75	428.23	91.00	9.59	-6.01
	9040.00	67.78	162.35	141.91	8874.87	-497.83	104.15	10.67	508.20	90.00	10.63	-0.93
	9131.00	76.30	165.39	144.61	8902.91	-580.92	128.12	9.89	594.62	91.00	9.36	3.34
	9221.00	84.62	168.01	144.61	8917.81	-667.21	148.50	9.68	683.28	90.00	9.24	2.91
	9312.00	89.77	163.06	147.31	8922.27	-755.16	171.19	7.84	774.11	91.00	5.66	-5.44
	9402.00	87.98	166.16	147.31	8924.03	-841.91	195.07	3.98	864.06	90.00	-1.99	3.44
	9492.00	89.43	165.28	150.02	8926.07	-929.10	217.26	1.88	954.03	90.00	1.61	-0.98
	9583.00	89.86	167.09	152.72	8926.63	-1017.46	238.99	2.04	1045.02	91.00	0.47	1.99
	9673.00	89.58	165.61	152.72	8927.07	-1104.92	260.23	1.67	1135.02	90.00	-0.31	-1.64
	9763.00	89.06	166.00	155.42	8928.14	-1192.16	282.30	0.72	1225.01	90.00	-0.58	0.43
	9854.00	89.09	165.38	155.42	8929.61	-1280.33	304.79	0.68	1316.00	91.00	0.03	-0.68
	9944.00	88.90	166.32	155.42	8931.19	-1367.58	326.79	1.07	1405.98	90.00	-0.21	1.04
	10035.00	89.00	166.10	155.42	8932.85	-1455.94	348.47	0.27	1496.97	91.00	0.11	-0.24
	10125.00	89.49	165.82	155.42	8934.04	-1543.25	370.31	0.63	1586.96	90.00	0.54	-0.31
	10215.00	90.04	164.88	152.72	8934.41	-1630.32	393.07	1.21	1676.95	90.00	0.61	-1.04
	10306.00	92.04	165.36	155.42	8932.76	-1718.25	416.43	2.26	1767.92	91.00	2.20	0.53
	10396.00	89.83	165.08	158.12	8931.29	-1805.25	439.39	2.48	1857.90	90.00	-2.46	-0.31
	10486.00	89.67	164.53	160.83	8931.68	-1892.10	462.98	0.64	1947.88	90.00	-0.18	-0.61
	10577.00	89.52	163.67	160.83	8932.32	-1979.62	487.90	0.96	2038.84	91.00	-0.16	-0.95
	10667.00	88.38	165.61	160.83	8933.97	-2066.39	511.74	2.50	2128.79	90.00	-1.27	2.16
	10758.00	90.35	163.87	163.53	8934.98	-2154.16	535.69	2.89	2219.76	91.00	2.16	-1.91
	10848.00	90.13	167.00	163.53	8934.61	-2241.26	558.32	3.49	2309.75	90.00	-0.24	3.48
	10938.00	88.53	162.72	163.53	8935.66	-2328.11	581.81	5.08	2399.70	90.00	-1.78	-4.76
	11029.00	90.13	165.45	166.23	8936.72	-2415.60	606.76	3.48	2490.64	91.00	1.76	3.00
	11119.00	88.96	163.70	166.23	8937.44	-2502.35	630.70	2.34	2580.61	90.00	-1.30	-1.94
	11210.00	88.66	169.44	163.53	8939.33	-2590.81	651.82	6.31	2671.55	91.00	-0.33	6.31
	11300.00	89.55	168.14	166.23	8940.73	-2679.08	669.31	1.75	2761.42	90.00	0.99	-1.44
	11390.00	90.32	169.39	166.23	8940.84	-2767.35	686.85	1.63	2851.30	90.00	0.86	1.39
	11480.00	89.64	167.85	166.23	8940.87	-2855.58	704.61	1.87	2941.19	90.00	-0.76	-1.71
	11571.00	89.36	166.46	166.23	8941.66	-2944.29	724.84	1.56	3032.16	91.00	-0.31	-1.53
	11661.00	89.64	165.73	166.23	8942.45	-3031.65	746.46	0.87	3122.16	90.00	0.31	-0.81
	11752.00	88.19	165.46	166.23	8944.17	-3119.77	769.10	1.62	3213.14	91.00	-1.59	-0.30
	11842.00	89.64	166.45	168.94	8945.88	-3207.06	790.93	1.95	3303.12	90.00	1.61	1.10
	11933.00	89.73	165.89	171.64	8946.38	-3295.42	812.69	0.62	3394.12	91.00	0.10	-0.62

	12023.00	89.70	166.05	171.64	8946.82	-3382.74	834.50	0.18	3484.12	90.00	-0.03	0.18
	12114.00	90.07	165.07	171.64	8947.01	-3470.86	857.20	1.15	3575.11	91.00	0.41	-1.08
	12203.00	88.72	164.63	171.64	8947.95	-3556.76	880.45	1.60	3664.09	89.00	-1.52	-0.49
	12294.00	89.21	164.86	171.64	8949.59	-3644.54	904.39	0.59	3755.06	91.00	0.54	0.25
	12384.00	89.52	164.46	174.34	8950.59	-3731.33	928.20	0.56	3845.03	90.00	0.34	-0.44
	12475.00	88.66	165.96	174.34	8952.03	-3819.30	951.43	1.90	3936.01	91.00	-0.95	1.65
	12565.00	89.80	166.06	168.94	8953.24	-3906.62	973.18	1.27	4026.00	90.00	1.27	0.11
	12656.00	89.00	166.18	174.34	8954.19	-3994.96	995.01	0.89	4116.99	91.00	-0.88	0.13
	12746.00	89.30	166.08	174.34	8955.53	-4082.32	1016.58	0.35	4206.98	90.00	0.33	-0.11
	12836.00	88.47	166.13	174.34	8957.28	-4169.67	1038.19	0.92	4296.97	90.00	-0.92	0.06
	12927.00	89.09	166.23	177.05	8959.22	-4258.02	1059.92	0.69	4387.94	91.00	0.68	0.11
	13017.00	88.56	165.82	177.05	8961.06	-4345.34	1081.66	0.74	4477.92	90.00	-0.59	-0.46
	13107.00	89.67	165.83	177.05	8962.45	-4432.58	1103.69	1.23	4567.91	90.00	1.23	0.01
	13198.00	90.41	166.29	177.05	8962.39	-4520.90	1125.61	0.96	4658.91	91.00	0.81	0.51
	13288.00	89.12	165.97	177.05	8962.76	-4608.28	1147.19	1.48	4748.91	90.00	-1.43	-0.36
	13379.00	89.36	166.32	179.75	8963.97	-4696.62	1168.98	0.47	4839.90	91.00	0.26	0.38
	13469.00	89.64	166.28	177.05	8964.75	-4784.06	1190.29	0.31	4929.89	90.00	0.31	-0.04
	13560.00	89.61	165.80	179.75	8965.35	-4872.37	1212.24	0.53	5020.89	91.00	-0.03	-0.53
	13650.00	89.43	166.24	179.75	8966.10	-4959.70	1233.99	0.53	5110.88	90.00	-0.20	0.49
	13741.00	89.70	166.05	179.75	8966.79	-5048.05	1255.78	0.36	5201.88	91.00	0.30	-0.21
	13831.00	89.98	165.83	179.75	8967.04	-5135.35	1277.64	0.40	5291.88	90.00	0.31	-0.24
	13921.00	90.04	165.79	179.75	8967.03	-5222.60	1299.70	0.08	5381.88	90.00	0.07	-0.04
	14012.00	89.77	166.05	177.05	8967.18	-5310.87	1321.84	0.41	5472.88	91.00	-0.30	0.29
	14102.00	90.29	165.72	179.75	8967.13	-5398.15	1343.79	0.68	5562.88	90.00	0.58	-0.37
	14193.00	89.98	166.16	177.05	8966.92	-5486.43	1365.90	0.59	5653.88	91.00	-0.34	0.48
	14283.00	90.13	166.01	179.75	8966.83	-5573.78	1387.54	0.24	5743.88	90.00	0.17	-0.17
	14374.00	89.46	166.24	179.75	8967.16	-5662.13	1409.36	0.78	5834.88	91.00	-0.74	0.25
	14464.00	90.10	165.92	177.05	8967.50	-5749.48	1431.01	0.80	5924.87	90.00	0.71	-0.36
	14554.00	90.44	165.70	179.75	8967.08	-5836.74	1453.08	0.45	6014.87	90.00	0.38	-0.24
	14645.00	90.81	165.49	179.75	8966.09	-5924.87	1475.71	0.47	6105.87	91.00	0.41	-0.23
	14735.00	90.47	165.93	179.75	8965.08	-6012.08	1497.93	0.62	6195.86	90.00	-0.38	0.49
	14826.00	89.55	165.72	179.75	8965.06	-6100.31	1520.21	1.04	6286.86	91.00	-1.01	-0.23
	14916.00	89.77	165.65	182.45	8965.60	-6187.51	1542.46	0.26	6376.86	90.00	0.24	-0.08
	15006.00	89.33	165.44	182.45	8966.31	-6274.66	1564.93	0.54	6466.85	90.00	-0.49	-0.23
	15097.00	89.89	165.45	182.45	8966.92	-6362.74	1587.80	0.62	6557.85	91.00	0.62	0.01
	15187.00	90.04	165.77	182.45	8966.98	-6449.91	1610.16	0.39	6647.85	90.00	0.17	0.36
	15277.00	89.30	165.32	185.16	8967.50	-6537.06	1632.63	0.96	6737.84	90.00	-0.82	-0.50
	15368.00	89.80	165.65	185.16	8968.21	-6625.15	1655.43	0.66	6828.84	91.00	0.55	0.36
	15458.00	89.43	165.09	185.16	8968.82	-6712.23	1678.17	0.75	6918.83	90.00	-0.41	-0.62
	15548.00	89.80	165.67	185.16	8969.42	-6799.32	1700.88	0.76	7008.82	90.00	0.41	0.64
	15639.00	90.26	166.10	185.16	8969.37	-6887.57	1723.07	0.69	7099.82	91.00	0.51	0.47
	15729.00	89.70	165.56	187.86	8969.41	-6974.83	1745.11	0.86	7189.82	90.00	-0.62	-0.60
	15820.00	89.98	165.43	187.86	8969.66	-7062.93	1767.90	0.34	7280.82	91.00	0.31	-0.14
	15910.00	91.00	166.15	187.86	8968.89	-7150.17	1789.99	1.39	7370.82	90.00	1.13	0.80
	16001.00	91.43	165.57	187.86	8966.96	-7238.39	1812.21	0.79	7461.79	91.00	0.47	-0.64
	16091.00	91.46	166.20	190.56	8964.69	-7325.65	1834.16	0.70	7551.77	90.00	0.03	0.70
	16181.00	90.41	165.86	187.86	8963.22	-7412.97	1855.88	1.23	7641.75	90.00	-1.17	-0.38
	16272.00	89.55	165.56	190.56	8963.25	-7501.16	1878.34	1.00	7732.75	91.00	-0.95	-0.33
	16362.00	89.77	165.61	190.56	8963.79	-7588.32	1900.75	0.25	7822.75	90.00	0.24	0.06
	16453.00	89.95	165.52	190.56	8964.01	-7676.45	1923.43	0.22	7913.75	91.00	0.20	-0.10
	16543.00	90.20	166.15	185.16	8963.89	-7763.71	1945.45	0.75	8003.75	90.00	0.28	0.70
	16633.00	90.69	165.74	187.86	8963.19	-7851.01	1967.31	0.71	8093.74	90.00	0.54	-0.46
	16724.00	90.29	165.31	190.56	8962.42	-7939.12	1990.06	0.65	8184.74	91.00	-0.44	-0.47
	16814.00	89.86	165.77	190.56	8962.30	-8026.27	2012.53	0.70	8274.73	90.00	-0.48	0.51
	16904.00	89.89	165.58	190.56	8962.49	-8113.47	2034.80	0.21	8364.73	90.00	0.03	-0.21
	16995.00	90.32	165.73	190.56	8962.33	-8201.63	2057.34	0.50	8455.73	91.00	0.47	0.16
	17085.00	89.46	165.46	193.27	8962.50	-8288.80	2079.73	1.00	8545.73	90.00	-0.96	-0.30
	17175.00	90.41	165.52	193.27	8962.60	-8375.93	2102.28	1.06	8635.73	90.00	1.06	0.07
	17265.00	89.52	165.56	193.27	8962.66	-8463.08	2124.75	0.99	8725.72	90.00	-0.99	0.04
	17356.00	91.18	166.18	190.56	8962.10	-8551.32	2146.97	1.95	8816.72	91.00	1.82	0.68
	17446.00	90.38	165.72	190.56	8960.88	-8638.62	2168.82	1.03	8906.71	90.00	-0.89	-0.51
	17536.00	89.80	165.77	190.56	8960.74	-8725.85	2190.98	0.65	8996.71	90.00	-0.64	0.06
	17626.00	89.86	165.43	193.27	8961.00	-8813.02	2213.36	0.38	9086.71	90.00	0.07	-0.38
	17716.00	89.95	165.47	190.56	8961.15	-8900.13	2235.97	0.11	9176.70	90.00	0.10	0.04
	17806.00	90.17	165.97	190.56	8961.06	-8987.35	2258.17	0.61	9266.70	90.00	0.24	0.56
	17897.00	90.17	165.91	193.27	8960.79	-9075.62	2280.28	0.07	9357.70	91.00	0.00	-0.07
	17987.00	90.69	165.86	193.27	8960.11	-9162.90	2302.22	0.58	9447.70	90.00	0.58	-0.06
	18077.00	90.20	165.59	193.27	8959.41	-9250.12	2324.41	0.62	9537.70	90.00	-0.54	-0.30
	18168.00	90.57	165.71	193.27	8958.80	-9338.28	2346.97	0.43	9628.69	91.00	0.41	0.13
	18258.00	90.04	165.76	193.27	8958.32	-9425.51	2369.14	0.59	9718.69	90.00	-0.59	0.06
	18348.00	89.30	165.61	193.27	8958.84	-9512.71	2391.40	0.84	9808.69	90.00	-0.82	-0.17
	18438.00	89.86	165.52	190.56	8959.50	-9599.86	2413.83	0.63	9898.69	90.00	0.62	-0.10
	18528.00	89.61	166.08	193.27	8959.92	-9687.11	2435.91	0.68	9988.68	90.00	-0.28	0.62
	18619.00	89.77	166.31	193.27	8960.41	-9775.48	2457.62	0.31	10079.68	91.00	0.18	0.25

	18709.00	90.17	166.63	193.27	8960.46	-9862.99	2478.68	0.57	10169.68	90.00	0.44	0.36
	18800.00	90.47	167.00	193.27	8959.95	-9951.58	2499.43	0.52	10260.66	91.00	0.33	0.41
	18890.00	90.69	166.57	193.27	8959.04	-10039.20	2520.01	0.54	10350.65	90.00	0.24	-0.48
	18980.00	90.66	166.65	193.27	8957.98	-10126.74	2540.85	0.09	10440.63	90.00	-0.03	0.09
	19071.00	90.32	166.98	193.27	8957.20	-10215.34	2561.60	0.52	10531.62	91.00	-0.37	0.36
	19161.00	90.17	166.88	193.27	8956.81	-10303.01	2581.96	0.20	10621.60	90.00	-0.17	-0.11
	19252.00	91.06	167.09	193.27	8955.84	-10391.67	2602.45	1.00	10712.58	91.00	0.98	0.23
	19342.00	90.90	166.43	193.27	8954.30	-10479.26	2623.06	0.75	10802.55	90.00	-0.18	-0.73
	19432.00	90.41	166.75	193.27	8953.27	-10566.80	2643.93	0.65	10892.54	90.00	-0.54	0.36
	19485.00	91.27	166.47	193.27	8952.49	-10618.35	2656.20	1.71	10945.53	53.00	1.62	-0.53
Proj	19510.00	91.27	166.47		8951.94	-10642.65	2662.05	0.00	10970.52		0.00	0.00