



Margaret Sue Kelley WTZ 5H
Wetzel Co, WV
SDC 40
Plan vs Actual

Plan Data for Margaret Sue Kelley WTZ 5H

Plan Point Information: (Scale Factor = 0.999608)
DogLeg Severity Unit: %/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Toolface	Comments
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(DLSU)	(°)	(°)
0.00	0.00	0.00	-0.00	-0.00	0.00	-0.00	0.00	0.0	
26.00	0.00	0.00	26.00	-0.00	0.00	-0.00	0.00	0.0	KB Offset
800.00	0.00	0.00	800.00	-0.00	0.00	-0.00	0.00	0.0	Nudge KOP
1125.00	6.50	45.00	1124.30	13.02	13.02	1.08	2.00	45.0	Build/Turn
1252.70	8.50	32.70	1250.91	26.08	23.23	4.06	2.00	315.0	Hold
6439.02	8.50	32.70	6380.27	671.17	437.37	211.07	0.00	0.0	Curve KOP 7° DLS
7426.34	70.00	310.26	7130.61	1083.63	78.14	757.79	7.00	274.4	Build/Turn 9° DLS
7651.91	90.30	310.05	7169.00	1226.19	-90.83	976.51	9.00	359.4	Landing Point
12813.05	90.30	310.05	7142.00	4547.46	-4041.26	6081.30	0.00	0.0	PBHL MSK5H

Target Set Information: (Scale Factor = 0.999608)
Name: Margaret Sue Kelley WTZ 5H
Position offsets from Slot centre

Name	TVD	+N/-S	+E/-W	Northing	Easting	Lat	Long
	(USft)	(USft)	(USft)	(USft)	(USft)	(°)	(°)
LP MSK5H	7169.00	1118.84	36.96	14414625.73	1725403.02	39.691729	-80.697887
PBHL MSK5H	7142.00	4547.46	-4041.26	14418053.01	1721326.40	39.701178	-80.712339

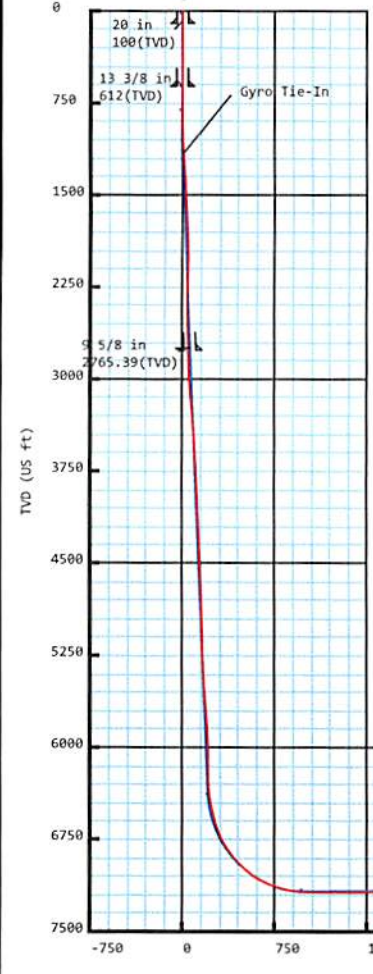


Plan Data for Margaret Sue Kelley WTZ 5H

Formation Point Information:

Name	TVD	Elevation	MD
	(USft)	(USft)	(USft)
Onondaga	7189.00	0.00	-1.00
Base Fresh Water	512.00	936.40	512.00
Upper Rhinestreet	623.00	825.40	623.00
Top of Salt Water	962.00	486.40	962.00
Pittsburgh Coal	1242.00	206.40	1243.69
Maxton	2217.00	-768.60	2229.52
Big Lime	2335.00	-886.60	2348.83
Big Injun	2416.00	-967.60	2430.73
Base Big Injun	2659.00	-1210.60	2676.42
Berea	3008.00	-1559.60	3029.30
Gordon Sandstone	3173.00	-1724.60	3196.13
Lower Rhinestreet	6589.00	-5140.60	6652.81
Basal Rhinestreet	6724.00	-5275.60	6798.95
Cashaqua	6812.00	-5363.60	6901.17
Middlesex	6922.00	-5473.60	7042.38
Lower Middlesex	6949.00	-5500.60	7080.48
Burket	7008.00	-5559.60	7170.95
Tully	7028.00	-5579.60	7204.61
Mahantango	7051.00	-5602.60	7245.87
Levanna	7139.00	-5690.60	7452.32
Upper Marcellus	7149.00	-5700.60	7488.53

KB: 1448.4'
GL: 1422.4'



Plan Data for Margaret Sue Kelley WTZ 5H

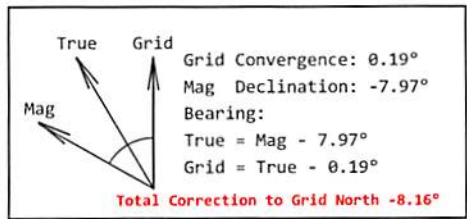
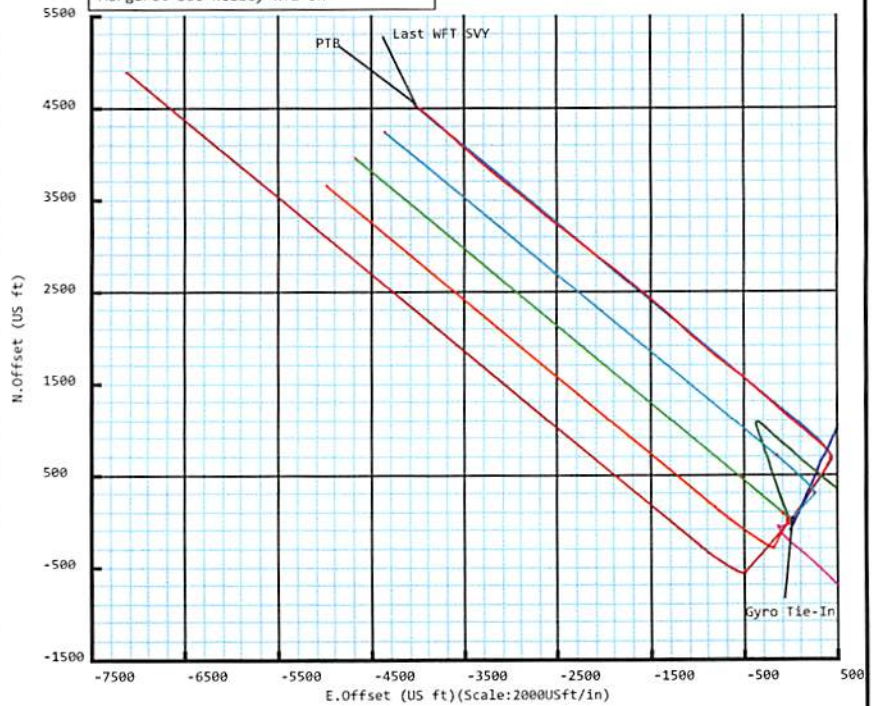
Field: SOUTHWESTERN WETZEL CO, WV UTM NAD 83 (17N)
Map Unit: USft Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / UTM zone 17N

Site: Margaret Sue Kelley WTZ Pad
Unit: USFeet TVD Reference:
Company Name: SOUTHWESTERN ENERGY

Position: Northing: 14413498.28USft Latitude: 39.688633°
Easting: 1725348.27USft Longitude: -80.698095°
North Reference: Grid Grid Convergence: 0.19°
Elevation Above VRD: 1422.40USft

Slot: Margaret Sue Kelley WTZ 5H
Position:
Offset is from Site centre
+N/-S: 9.06USft Northing: 14413507.33USft Latitude: 39.688658°
+E/-W: 17.82USft Easting: 1725366.08USft Longitude: -80.698032°
Elevation Above VRD: 1422.40USft

Well: Margaret Sue Kelley WTZ 5H
Type: Main-Well
File Number: NE-13141544
Plan Folder: P1 Plan: P1:V4
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft Azimuth: 318.37°
+E/-W: 0.00USft
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
HDGM 2016 52282(nT) -7.97° 66.88° 2018-05-11



Drawing By: Vilaphanh (Cot) Sinakone
Date: 10 May 2018
Office Name: Weatherford Drilling Services
Address: 12101 Cutten Road
Houston, TX 77066
Phone: 281-701-4760



Weatherford®

Margaret Sue Kelley WTZ 5H

Field Name: SOUTHWESTER N_WETZEL CO, WV UTM NAD 83 (17N)	Map Units: US ft	Company Name: SOUTHWESTERN ENERGY		
	Vertical Reference Datum (VRD): Mean Sea Level	Projected Coordinate System: NAD83 / UTM zone 17N		
	Comment:			
Site: Margaret Sue Kelley WTZ Pad	Units: US ft	North Reference: Grid	Convergence Angle: 0.19	
	Position:	Northing: 14413498.28 US ft	Latitude: 39.688633	
		Easting: 1725348.27 US ft	Longitude: -80.698095	
Elevation above MSL: 1422.40 US ft	Comment:			
Slot: Margaret Sue Kelley WTZ 5H	Position (Relative to Site Centre)			
	+N/-S: 9.06 US ft	Northing: 14413507.33 US ft	Latitude: 39.688658	
	+E/-W: 17.82 US ft	Easting: 1725366.08 US ft	Longitude: -80.698032	
	Slot TVD Reference: Ground Elevation			
Elevation above MSL: 1422.40 US ft	Comment:			
Well: Margaret Sue Kelley WTZ 5H	Type: Main well	UWI:		
	File Number: NE-13141544	Comment:		
	Closure Distance: 6085.82 US ft	Closure Azimuth: 318.43°		
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: -0.00 US ft	+E/-W: 0.00 US ft	Az: 318.37°	
Drill floor: Survey Name: Definitive Survey				
Rig Height (Drill Floor): 26.00 US ft	Elevation above MSL: 1448.40 US ft	Inclination: 0.00°	Azimuth: 0.00°	
Survey Name: Definitive Survey				
Date: 29/Mar/2018	Survey Tool: See Survey Tool Ranges below.	Comment:	Company:	
Magnetic Model:				
Model Name: HDGM 2016	Date: 11/May/2018	Field Strength: 52282.0 nT	Declination: -7.97°	Dip: 66.88°
Tie Point:				
MD: 0.00 US ft	Inclination: 0.00°	Azimuth: 0.00°	TVD: -0.00 US ft	North Offset: -0.00 US ft
				East Offset: 0.00 US ft

5D Survey Report

Survey Tool Ranges:

Name	Start MD(USft)	End MD(USft)	Source Survey
GYRO_GC_WIR+DPIPE_GYD	0.00	1179.00	Gyro
MWD	1179.00	2776.00	WFT MWD_01
MWD	2776.00	7444.00	WFT MWD_02
MWD	7444.00	12812.00	WFT MWD_03

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor) (Scale factor 0.999608)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100US ft)	Comment
0.00	0.00	0.00	-0.00	0.00	-0.00	0.00	39.688658	-80.698032	0.00	
26.00	0.00	0.00	26.00	0.00	-0.00	0.00	39.688658	-80.698032	0.00	
100.00	0.16	226.62	100.00	-0.00	-0.07	-0.08	39.688658	-80.698032	0.22	
200.00	0.18	125.25	200.00	-0.16	-0.26	-0.05	39.688657	-80.698032	0.26	
300.00	0.28	185.30	300.00	-0.48	-0.59	0.06	39.688656	-80.698031	0.25	
400.00	0.11	27.20	400.00	-0.61	-0.75	0.08	39.688656	-80.698031	0.38	
500.00	0.03	107.17	500.00	-0.60	-0.67	0.15	39.688656	-80.698031	0.11	
539.00	0.24	156.47	539.00	-0.69	-0.75	0.19	39.688656	-80.698031	0.57	
630.00	0.08	68.40	630.00	-0.89	-0.90	0.33	39.688656	-80.698031	0.28	
723.00	2.04	49.27	722.98	-0.94	0.20	1.64	39.688659	-80.698026	2.11	
815.00	4.30	38.33	814.83	-0.36	3.98	5.02	39.688669	-80.698014	2.53	
900.00	5.81	34.29	899.50	1.24	10.03	9.42	39.688686	-80.697998	1.82	
1000.00	6.96	31.45	998.88	4.24	19.38	15.43	39.688711	-80.697977	1.19	
1100.00	7.79	26.04	1098.05	8.58	30.64	21.57	39.688742	-80.697955	1.08	
1179.00	8.33	26.38	1176.27	12.75	40.58	26.46	39.688769	-80.697937	0.69	Gyro Tie-In
1237.00	8.88	25.09	1233.62	16.10	48.40	30.23	39.688791	-80.697924	1.00	
1330.00	8.48	28.82	1325.55	21.23	60.91	36.58	39.688825	-80.697901	0.74	
1422.00	8.62	31.36	1416.53	25.52	72.74	43.44	39.688857	-80.697876	0.44	
1515.00	8.15	32.09	1508.54	29.40	84.27	50.56	39.688889	-80.697851	0.52	
1608.00	8.08	35.56	1600.60	32.70	95.17	57.87	39.688919	-80.697825	0.53	
1701.00	8.88	33.76	1692.59	35.96	106.46	65.66	39.688950	-80.697797	0.91	
1793.00	8.22	31.17	1783.56	39.70	117.99	73.01	39.688981	-80.697771	0.83	
1886.00	8.37	31.31	1875.59	43.65	129.46	79.97	39.689013	-80.697746	0.16	
1979.00	4.85	45.43	1967.96	45.84	138.01	86.29	39.689036	-80.697723	4.14	
2072.00	3.45	59.79	2060.72	45.49	142.17	91.51	39.689048	-80.697705	1.86	
2164.00	2.74	64.95	2152.59	44.31	144.50	95.89	39.689054	-80.697689	0.83	
2254.00	2.05	68.73	2242.51	43.14	145.99	99.34	39.689058	-80.697677	0.79	
2347.00	2.22	55.41	2335.44	42.34	147.62	102.37	39.689062	-80.697666	0.56	
2440.00	3.88	42.67	2428.31	42.43	150.95	105.99	39.689071	-80.697653	1.92	
2532.00	4.61	39.72	2520.06	43.30	156.09	110.46	39.689086	-80.697637	0.83	
2625.00	5.27	39.95	2612.71	44.48	162.24	115.59	39.689102	-80.697619	0.71	
2715.00	5.05	34.33	2702.35	46.05	168.68	120.48	39.689120	-80.697602	0.61	
2776.00	4.75	31.17	2763.12	47.45	173.05	123.30	39.689132	-80.697591	0.66	
2902.00	4.49	23.90	2888.72	51.04	182.03	128.00	39.689157	-80.697575	0.51	
2995.00	7.18	17.82	2981.23	55.50	190.89	131.25	39.689181	-80.697563	2.96	
3088.00	10.42	21.01	3073.12	62.32	204.28	136.05	39.689218	-80.697546	3.52	
3180.00	11.14	22.96	3163.50	69.96	220.23	142.50	39.689261	-80.697523	0.88	
3273.00	11.14	23.04	3254.74	77.66	236.77	149.52	39.689307	-80.697498	0.02	
3366.00	11.70	27.33	3345.90	84.89	253.41	157.37	39.689352	-80.697469	1.09	
3459.00	11.54	27.16	3437.00	91.64	270.07	165.94	39.689398	-80.697439	0.18	
3551.00	12.00	31.62	3527.06	97.73	286.40	175.16	39.689443	-80.697406	1.11	
3644.00	11.99	31.44	3618.03	103.33	302.87	185.26	39.689488	-80.697370	0.04	
3737.00	11.87	33.74	3709.03	108.56	319.07	195.61	39.689532	-80.697333	0.53	
3830.00	11.24	31.47	3800.14	113.61	334.75	205.66	39.689575	-80.697297	0.84	
3922.00	10.74	31.85	3890.45	118.65	349.68	214.86	39.689616	-80.697264	0.55	
4012.00	12.72	39.04	3978.57	122.65	364.50	225.53	39.689657	-80.697226	2.73	
4105.00	11.87	37.10	4069.44	126.18	380.09	237.75	39.689699	-80.697182	1.02	
4197.00	10.95	37.45	4159.62	129.68	394.57	248.77	39.689739	-80.697143	1.00	
4290.00	10.35	35.38	4251.02	133.23	408.39	258.98	39.689777	-80.697107	0.77	

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5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor) (Scale factor 0.999608)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (%/100US ft)	Comment	
4383.00	9.43	33.21	4342.64	137.10	421.58	267.99	39.689813	-80.697074	1.07		
4476.00	8.65	33.01	4434.48	140.95	433.82	275.97	39.689846	-80.697046	0.84		
4569.00	7.97	30.90	4526.50	144.74	445.21	283.09	39.689878	-80.697020	0.80		
4661.00	8.03	33.19	4617.61	148.34	456.07	289.89	39.689907	-80.696996	0.35		
4754.00	9.00	38.78	4709.58	151.25	467.17	298.00	39.689938	-80.696967	1.37		
4847.00	8.06	36.32	4801.55	153.82	478.10	306.42	39.689968	-80.696937	1.08		
4939.00	8.28	37.99	4892.62	156.36	488.51	314.31	39.689996	-80.696909	0.35		
5029.00	10.23	42.10	4981.45	158.41	499.55	323.66	39.690026	-80.696876	2.29		
5122.00	9.91	39.14	5073.01	160.59	511.89	334.25	39.690060	-80.696838	0.65		
5212.00	9.60	38.46	5161.71	163.13	523.77	343.81	39.690093	-80.696804	0.37		
5304.00	9.59	35.46	5252.43	166.16	536.02	353.02	39.690126	-80.696771	0.54		
5397.00	9.53	31.85	5344.14	170.08	548.87	361.58	39.690161	-80.696740	0.65		
5490.00	9.53	28.56	5435.85	174.88	562.17	369.32	39.690198	-80.696713	0.59		
5582.00	9.10	23.81	5526.64	180.49	575.52	375.90	39.690234	-80.696689	0.96		
5675.00	9.06	19.98	5618.48	187.03	589.13	381.37	39.690272	-80.696669	0.65		
5768.00	9.27	18.28	5710.29	194.26	603.12	386.22	39.690310	-80.696652	0.37		
5860.00	8.68	22.86	5801.16	200.97	616.55	391.25	39.690347	-80.696634	1.01		
5953.00	7.90	30.82	5893.19	205.92	628.51	397.25	39.690380	-80.696613	1.49		
6046.00	7.76	30.83	5985.33	209.74	639.39	403.74	39.690410	-80.696589	0.15		
6139.00	7.24	43.17	6077.54	212.16	649.06	410.97	39.690436	-80.696564	1.82		
6228.00	7.82	48.02	6165.77	212.71	657.20	419.30	39.690458	-80.696534	0.97		
6275.00	8.33	46.30	6212.30	212.85	661.69	424.14	39.690471	-80.696517	1.20		
6321.00	8.42	39.80	6257.81	213.47	666.58	428.71	39.690484	-80.696500	2.07		
6368.00	7.99	23.58	6304.34	215.36	672.21	432.22	39.690499	-80.696488	4.99		
6414.00	8.53	8.17	6349.87	218.90	678.52	433.98	39.690517	-80.696481	4.94		
6460.00	9.53	356.00	6395.30	224.12	685.70	434.20	39.690536	-80.696481	4.67		
6507.00	11.57	348.22	6441.51	231.29	694.19	432.97	39.690560	-80.696485	5.28		
6553.00	13.26	341.83	6486.43	240.13	703.72	430.38	39.690586	-80.696494	4.73		
6599.00	14.37	336.53	6531.10	250.40	713.97	426.46	39.690614	-80.696508	3.66		
6646.00	15.71	330.64	6576.49	262.16	724.87	421.02	39.690644	-80.696527	4.32		
6692.00	17.26	327.61	6620.60	274.98	736.06	414.31	39.690675	-80.696551	3.85		
6752.00	21.07	326.28	6677.27	294.45	752.55	403.55	39.690720	-80.696589	6.39		
6798.00	23.54	325.16	6719.82	311.77	766.97	393.71	39.690760	-80.696624	5.45		
6845.00	27.39	322.07	6762.25	331.89	783.21	381.70	39.690805	-80.696666	8.66		
6891.00	31.90	318.36	6802.22	354.61	800.65	367.11	39.690853	-80.696718	10.58		
6937.00	35.76	315.23	6840.43	380.20	819.28	349.56	39.690904	-80.696780	9.20		
6984.00	37.93	312.50	6878.04	408.29	838.80	329.23	39.690958	-80.696852	5.78		
7030.00	41.32	310.78	6913.47	437.41	858.27	307.30	39.691011	-80.696929	7.75		
7077.00	45.69	309.93	6947.55	469.44	879.21	282.65	39.691069	-80.697017	9.38		
7120.00	48.49	309.91	6976.82	500.59	899.42	258.49	39.691125	-80.697102	6.51		
7166.00	49.79	310.19	7006.92	535.01	921.81	231.86	39.691186	-80.697197	2.86		
7213.00	53.62	310.90	7036.04	571.55	945.78	203.84	39.691253	-80.697296	8.23		
7259.00	58.80	312.00	7061.61	609.49	971.09	175.21	39.691322	-80.697397	11.43		
7305.00	63.11	311.82	7083.94	649.44	997.95	145.28	39.691396	-80.697503	9.38		
7351.00	67.07	311.53	7103.31	690.87	1025.68	114.13	39.691473	-80.697614	8.63		
7398.00	70.13	311.21	7120.46	734.30	1054.60	81.29	39.691552	-80.697730	6.54		
7444.00	72.68	311.05	7135.13	777.54	1083.27	48.45	39.691631	-80.697847	5.55		
7491.00	74.33	311.51	7148.47	822.26	1113.00	14.59	39.691713	-80.697967	3.63		
7537.00	77.13	311.74	7159.81	866.53	1142.61	-18.73	39.691795	-80.698085	6.11		
7583.00	81.63	312.17	7168.28	911.45	1172.83	-52.35	39.691878	-80.698204	9.83		
7630.00	85.74	312.95	7173.45	957.91	1204.42	-86.75	39.691965	-80.698326	8.90		
7676.00	89.32	313.15	7175.43	1003.66	1235.79	-120.32	39.692052	-80.698444	7.79		
7769.00	88.95	312.19	7176.84	1096.19	1298.81	-188.69	39.692225	-80.698687	1.11		
7862.00	89.01	309.15	7178.49	1188.33	1359.41	-259.21	39.692392	-80.698937	3.27		
7952.00	90.86	312.05	7178.60	1277.48	1417.97	-327.54	39.692554	-80.699179	3.82		
8044.00	90.00	311.52	7177.91	1368.87	1479.27	-396.13	39.692723	-80.699422	1.10		
8137.00	91.11	311.42	7177.00	1461.19	1540.85	-465.82	39.692892	-80.699668	1.20		
8230.00	90.80	307.68	7175.45	1553.06	1600.05	-537.50	39.693056	-80.699923	4.03		
8323.00	90.80	307.44	7174.16	1644.40	1656.74	-611.22	39.693212	-80.700184	0.26		

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5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor) (Scale factor 0.999608)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (%/100US ft)	Comment
8415.00	90.99	308.42	7172.72	1734.87	1713.28	-683.77	39.693368	-80.700441	1.08	
8508.00	91.05	307.72	7171.06	1826.35	1770.62	-756.98	39.693526	-80.700700	0.76	
8601.00	90.99	311.05	7169.41	1918.18	1829.61	-828.84	39.693688	-80.700955	3.58	
8694.00	91.05	310.96	7167.75	2010.40	1890.62	-899.01	39.693856	-80.701204	0.12	
8786.00	91.11	310.20	7166.02	2101.53	1950.46	-968.87	39.694021	-80.701451	0.83	
8879.00	91.23	309.97	7164.12	2193.54	2010.33	-1040.01	39.694186	-80.701703	0.28	
8972.00	91.17	313.62	7162.17	2285.90	2072.29	-1109.31	39.694357	-80.701949	3.92	
9065.00	90.43	313.97	7160.87	2378.59	2136.64	-1176.44	39.694534	-80.702187	0.88	
9158.00	90.43	312.77	7160.17	2471.23	2200.50	-1244.04	39.694710	-80.702426	1.29	
9248.00	90.88	312.35	7159.14	2560.76	2261.37	-1310.32	39.694878	-80.702661	0.68	
9340.00	90.25	310.75	7158.24	2652.10	2322.39	-1379.17	39.695046	-80.702905	1.87	
9433.00	90.18	310.76	7157.89	2744.28	2383.10	-1449.62	39.695213	-80.703154	0.08	
9526.00	90.37	311.63	7157.44	2836.55	2444.35	-1519.60	39.695382	-80.703402	0.96	
9619.00	90.68	309.97	7156.59	2928.73	2505.11	-1589.99	39.695550	-80.703652	1.82	
9711.00	90.62	309.38	7155.55	3019.67	2563.85	-1660.80	39.695712	-80.703903	0.64	
9804.00	90.55	310.18	7154.60	3111.62	2623.35	-1732.26	39.695876	-80.704156	0.86	
9897.00	90.80	310.08	7153.50	3203.65	2683.28	-1803.36	39.696041	-80.704408	0.29	
9990.00	90.74	308.95	7152.25	3295.53	2742.45	-1875.10	39.696204	-80.704662	1.22	
10083.00	90.49	306.90	7151.25	3386.98	2799.61	-1948.45	39.696361	-80.704922	2.22	
10175.00	90.68	306.97	7150.31	3477.15	2854.89	-2021.99	39.696514	-80.705183	0.22	
10268.00	90.55	308.03	7149.32	3568.47	2911.50	-2095.76	39.696670	-80.705444	1.15	
10358.00	90.71	309.00	7148.33	3657.14	2967.54	-2166.18	39.696824	-80.705694	1.09	
10451.00	90.62	310.20	7147.25	3749.04	3026.81	-2237.83	39.696988	-80.705948	1.29	
10543.00	90.88	309.00	7146.04	3839.95	3085.45	-2308.71	39.697149	-80.706199	1.33	
10636.00	90.62	308.65	7144.82	3931.66	3143.75	-2381.16	39.697310	-80.706456	0.47	
10726.00	90.86	308.29	7143.66	4020.31	3199.74	-2451.61	39.697464	-80.706706	0.48	
10818.00	90.56	307.93	7142.52	4110.83	3256.51	-2524.00	39.697621	-80.706962	0.51	
10911.00	90.55	309.55	7141.62	4202.51	3314.70	-2596.53	39.697781	-80.707219	1.74	
11004.00	90.62	310.14	7140.67	4294.48	3374.29	-2667.93	39.697946	-80.707472	0.64	
11097.00	90.74	310.54	7139.57	4386.56	3434.48	-2738.81	39.698111	-80.707724	0.45	
11189.00	90.92	310.18	7138.24	4477.65	3494.06	-2808.91	39.698276	-80.707972	0.44	
11282.00	90.80	309.14	7136.84	4569.57	3553.40	-2880.49	39.698439	-80.708226	1.13	
11375.00	90.43	308.19	7135.84	4661.23	3611.50	-2953.10	39.698599	-80.708483	1.10	
11467.00	90.80	309.09	7134.85	4751.90	3668.95	-3024.96	39.698758	-80.708738	1.06	
11560.00	90.62	309.77	7133.70	4843.76	3728.01	-3096.79	39.698920	-80.708992	0.76	
11653.00	90.80	310.17	7132.55	4935.75	3787.75	-3168.05	39.699085	-80.709245	0.47	
11745.00	90.43	310.66	7131.56	5026.86	3847.39	-3238.09	39.699249	-80.709493	0.67	
11838.00	90.68	310.24	7130.66	5118.97	3907.72	-3308.86	39.699416	-80.709744	0.53	
11931.00	90.86	312.21	7129.41	5211.23	3969.00	-3378.80	39.699584	-80.709992	2.13	
12024.00	90.12	312.21	7128.62	5303.69	4031.48	-3447.68	39.699757	-80.710236	0.80	
12117.00	89.45	312.50	7128.96	5396.18	4094.14	-3516.41	39.699929	-80.710479	0.79	
12206.00	89.82	312.69	7129.53	5484.72	4154.37	-3581.92	39.700095	-80.710712	0.47	
12299.00	89.57	312.41	7130.03	5577.24	4217.26	-3650.43	39.700268	-80.710954	0.40	
12389.00	90.18	312.53	7130.22	5666.76	4278.03	-3716.82	39.700436	-80.711190	0.69	
12478.00	89.38	311.20	7130.56	5755.19	4337.42	-3783.10	39.700599	-80.711424	1.74	
12571.00	89.81	310.17	7131.22	5847.35	4398.05	-3853.62	39.700766	-80.711674	1.20	
12663.00	89.82	309.77	7131.52	5938.36	4457.14	-3924.12	39.700929	-80.711924	0.43	
12756.00	89.82	310.23	7131.81	6030.37	4516.92	-3995.36	39.701094	-80.712177	0.49	
12789.00	89.69	310.38	7131.95	6063.04	4538.27	-4020.53	39.701153	-80.712266	0.60	
12812.00	89.69	310.38	7132.08	6085.82	4553.17	-4038.05	39.701194	-80.712328	0.00	Last WFT SVY PTB

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