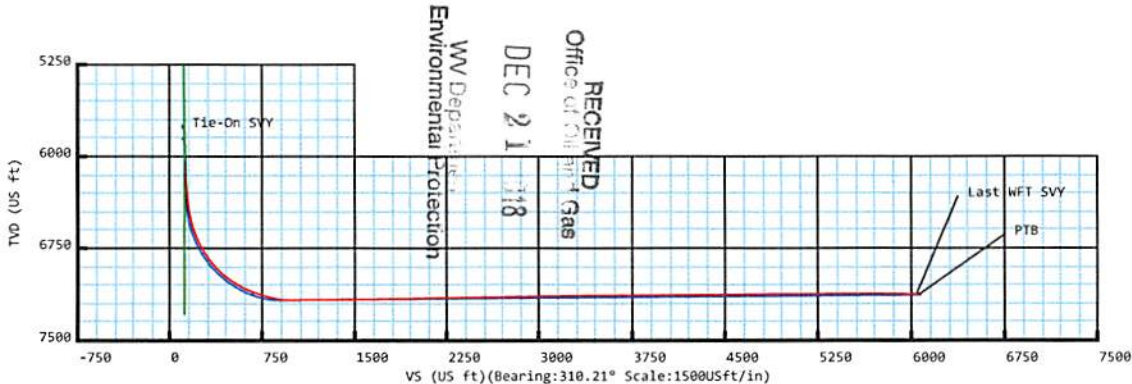
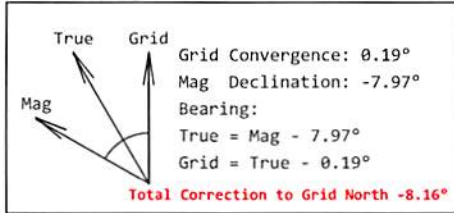




Margaret Sue Kelley WTZ 3H Lateral  
Wetzel Co, WV  
SDC 40  
**Plan vs Actual**



**Weatherford**



**Plan Data for Margaret Sue Kelley WTZ 3H\_Lateral**

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

MD (USft)	Inc (°)	Az (°)	TVD (USft)	+N/-S (USft)	+E/-W (USft)	VSec (USft)	DLS (DLSU)	Toolface (°)	Comments
5767.00	0.10	311.53	5762.31	86.59	-85.01	120.78	0.23	188.7	Tie-On SVY
5779.00	0.12	311.75	5774.31	86.60	-85.03	120.80	0.14	1.5	Interpolated ST KOP
5873.15	2.00	310.10	5868.44	87.73	-86.36	122.54	2.00	358.3	Hold
6399.08	2.00	310.10	6394.05	99.55	-100.40	140.89	0.00	0.0	Curve KOP 7° DLS
7370.51	70.00	310.10	7134.63	446.15	-511.96	678.74	7.00	0.0	Build 9° DLS
7597.78	90.45	310.10	7173.00	589.66	-682.36	901.43	9.00	0.0	Landing Point
12772.65	90.45	310.10	7132.00	3923.05	-4640.40	6074.10	0.00	0.0	PBHL MSK3H

Target Set Information: (Scale Factor = 0.999608)  
Name: Margaret Sue Kelley WTZ 3H  
Position offsets from Slot centre

Name	TVD (USft)	+N/-S (USft)	+E/-W (USft)	Northing (USft)	Easting (USft)	Lat (°)	Long (°)
LP MSK3H	7173.00	439.48	-503.98	14413971.58	1724849.55	39.689938	-80.699862
PBHL MSK3H	7132.00	3923.06	-4640.40	14417453.79	1720714.75	39.699538	-80.714521

**Plan Data for Margaret Sue Kelley WTZ 3H\_Lateral**

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 3H  
Position:  
Offset is from Site centre  
+N/-S: 34.01USft    Northing: 14413532.27USft    Latitude: 39.688727°  
+E/-W: 5.07USft    Easting: 1725353.33USft    Longitude: -80.698077°  
Elevation Above VRD: 1422.40USft

Well: Margaret Sue Kelley WTZ 3H\_Lateral  
Type: Side-Track  
File Number: NE-13141516  
Plan Folder: P1    Plan: P1:V3  
Vertical Section: Position offset of origin from Slot centre:  
+N/-S: 0.00USft    Azimuth: 310.21°  
+E/-W: -0.00USft  
Magnetic Parameters:  
Model: Field Strength: Declination: Dip: Date:  
HDGM 2016 52273(nT)    -7.97°    66.88°    2018-06-05

**Plan Data for Margaret Sue Kelley WTZ 3H\_Lateral**

Formation Point Information:

Name	TVD Elevation (USft)	MD (USft)
Base Fresh Water	N/A	N/A
Top of Salt Water	N/A	N/A
Pittsburgh Coal	N/A	N/A
Maxton	2217.00	-768.60
Big Lime	2335.00	-886.60
Big Injun	2416.00	-967.60
Base Big Injun	2659.00	-1210.60
Berea	3007.00	-1558.60
Gordon Sandstone	3173.00	-1724.60
Onondaga Limestone	7189.00	-5740.60
Upper Rhinestreet	6523.00	-5074.60
Lower Rhinestreet	6589.00	-5140.60
Basal Rhinestreet	6724.00	-5275.60
Cashaqua	6812.00	-5363.60
Middlesex	6922.00	-5473.60
Lower Middlesex	6949.00	-5500.60
Burket	7008.00	-5559.60
Tully	7028.00	-5579.60
Mahantango	7051.00	-5602.60
Levanna	7139.00	-5690.60
Upper Marcellus	7149.00	-5700.60



Drawing By: Vilaphanh (Cot) Sinakone  
Date: 25 June 2018  
Office Name: Weatherford Drilling Services  
Address: 12101 Cutten Road  
Houston, TX 77066  
Phone: 281-701-4760



# Weatherford®

## Margaret Sue Kelley WTZ 3H\_Lateral

<b>Field Name:</b> SOUTHWESTER N_WETZEL CO, WV UTM NAD 83 (17N)	<b>Map Units:</b> US ft	<b>Company Name:</b> SOUTHWESTERN ENERGY	
	<b>Vertical Reference Datum (VRD):</b> Mean Sea Level		
	<b>Projected Coordinate System:</b> NAD83 / UTM zone 17N		
<b>Site:</b> Margaret Sue Kelley WTZ Pad	<b>Comment:</b>		
	<b>Units:</b> US ft	<b>North Reference:</b> Grid	<b>Convergence Angle:</b> 0.19
	<b>Position:</b>	<b>Northing:</b> 14413498.28 US ft	<b>Latitude:</b> 39.688633
		<b>Easting:</b> 1725348.27 US ft	<b>Longitude:</b> -80.698095
	<b>Elevation above MSL:</b> 1422.40 US ft		
	<b>Comment:</b>		
<b>Slot:</b> Margaret Sue Kelley WTZ 3H	<b>Position (Relative to Site Centre)</b>		
	<b>+N/-S:</b> 34.01 US ft	<b>Northing:</b> 14413532.27 US ft	<b>Latitude:</b> 39.688727
	<b>+E/-W:</b> 5.07 US ft	<b>Easting:</b> 1725353.33 US ft	<b>Longitude:</b> -80.698077
	<b>Slot TVD Reference:</b> Ground Elevation		
	<b>Elevation above MSL:</b> 1422.40 US ft		
	<b>Comment:</b>		
<b>Well:</b> Margaret Sue Kelley WTZ 3H_Lateral	<b>Type:</b> Sidetrack	<b>UWI:</b>	
	<b>Parent:</b> Margaret Sue Kelley WTZ 3H_Pilot	<b>Tie Point Method:</b> MD	
	<b>File Number:</b> NE-13141516	<b>Comment:</b>	
	<b>Closure Distance:</b> 6075.55 US ft	<b>Closure Azimuth:</b> 310.15°	
	<b>Vertical Section: Position of Origin (Relative to Slot centre)</b>		
	<b>+N/-S:</b> 0.00 US ft	<b>+E/-W:</b> -0.00 US ft	<b>Az:</b> 310.21°

**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:** 05/Jun/2018 **Survey Tool:** See Survey Tool Ranges below. **Comment:** **Company:**

### Magnetic Model:

**Model Name:** HDGM **Date:** 05/Jun/2018 **Field Strength:** 52273.0nT **Declination:** -7.97° **Dip:** 66.88°  
2016

### Tie Point:

**MD:** 5767.00 US ft **Inclination:** 0.10° **Azimuth:** 311.53° **TVD:** 5762.31 US ft **North Offset:** 86.59 US ft **East Offset:** 85.01 US ft

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## 5D Survey Report

Survey Tool Ranges:			
Name	Start MD(USft)	End MD(USft)	Source Survey
GYRO_GC_WIR+DPIPE_GYD	0.00	600.00	Gyro
MFAC_US_V2	600.00	961.00	MFAC_01
MWD	961.00	2071.00	WFT_MWD_1_01
MWD	2071.00	2530.00	WFT_MWD_2_01
MWD	2530.00	2797.00	WFT_MWD_3_01
MWD	2797.00	5767.00	WFT_MWD_4_02
MWD	5767.00	6513.00	WFT_MWD_07
MWD	6513.00	12743.00	WFT_MWD_11

## 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	39.688727	-80.698077	0.00	
100.00	0.10	141.29	100.00	-0.09	-0.07	0.05	39.688726	-80.698076	0.10	
200.00	0.22	14.62	200.00	-0.09	0.05	0.16	39.688727	-80.698076	0.29	
300.00	0.18	19.85	300.00	0.05	0.38	0.26	39.688728	-80.698076	0.04	
400.00	0.21	52.81	400.00	0.06	0.64	0.46	39.688728	-80.698075	0.11	
500.00	0.13	117.63	500.00	-0.09	0.70	0.71	39.688729	-80.698074	0.19	
600.00	0.15	305.75	600.00	-0.07	0.72	0.70	39.688729	-80.698074	0.28	Gyro Tie-In
779.00	1.69	260.94	778.97	1.89	0.44	-2.10	39.688728	-80.698084	0.89	
872.00	2.57	297.84	871.91	4.82	1.20	-5.30	39.688730	-80.698095	1.70	
961.00	3.84	312.20	960.77	9.75	4.14	-9.27	39.688738	-80.698110	1.68	
1054.00	5.22	308.47	1053.48	17.09	8.86	-14.89	39.688751	-80.698129	1.52	
1147.00	6.23	305.44	1146.01	26.35	14.42	-22.31	39.688766	-80.698156	1.13	
1236.00	6.53	311.67	1234.46	36.22	20.58	-30.03	39.688783	-80.698183	0.85	
1329.00	6.64	316.97	1326.85	46.84	28.03	-37.65	39.688804	-80.698210	0.66	
1422.00	6.07	322.56	1419.28	56.99	35.86	-44.30	39.688826	-80.698234	0.90	
1515.00	5.83	327.85	1511.78	66.29	43.77	-49.81	39.688847	-80.698253	0.64	
1607.00	5.27	331.56	1603.35	74.68	51.44	-54.31	39.688868	-80.698269	0.72	
1700.00	3.60	336.41	1696.07	81.28	57.87	-57.51	39.688886	-80.698280	1.84	
1793.00	2.09	317.31	1788.95	85.58	61.79	-59.83	39.688897	-80.698289	1.90	
1886.00	2.20	268.76	1881.89	88.60	63.00	-62.76	39.688900	-80.698299	1.90	
1978.00	1.44	253.50	1973.85	90.56	62.63	-65.63	39.688899	-80.698309	0.97	
2071.00	0.84	215.81	2066.83	91.15	61.75	-67.15	39.688897	-80.698315	1.00	
2162.00	0.75	175.86	2157.82	90.68	60.61	-67.50	39.688894	-80.698316	0.60	
2252.00	0.39	115.66	2247.82	89.97	59.89	-67.18	39.688892	-80.698315	0.72	
2344.00	0.25	60.79	2339.81	89.60	59.86	-66.73	39.688892	-80.698313	0.35	
2437.00	0.47	91.35	2432.81	89.23	59.95	-66.17	39.688892	-80.698311	0.31	
2530.00	1.17	88.02	2525.80	88.23	59.97	-64.84	39.688892	-80.698306	0.75	
2622.00	2.08	86.89	2617.76	86.32	60.09	-62.23	39.688892	-80.698297	0.99	
2712.00	1.90	81.24	2707.71	84.15	60.41	-59.13	39.688893	-80.698286	0.30	
2797.00	1.28	44.00	2792.68	83.17	61.31	-57.07	39.688895	-80.698279	1.38	
2902.00	1.72	15.72	2897.64	83.74	63.67	-55.83	39.688902	-80.698274	0.81	
2994.00	0.80	302.96	2989.63	84.95	65.35	-56.00	39.688907	-80.698275	1.81	
3087.00	0.81	298.93	3082.62	86.24	66.02	-57.12	39.688908	-80.698279	0.06	
3180.00	0.95	298.28	3175.61	87.64	66.70	-58.37	39.688910	-80.698283	0.15	
3273.00	1.13	303.60	3268.59	89.30	67.57	-59.81	39.688913	-80.698288	0.22	
3365.00	1.14	297.05	3360.57	91.10	68.49	-61.38	39.688915	-80.698294	0.14	
3458.00	1.26	260.51	3453.55	92.66	68.74	-63.22	39.688916	-80.698300	0.82	
3551.00	1.32	266.59	3546.53	94.10	68.51	-65.29	39.688915	-80.698308	0.16	
3644.00	1.29	262.15	3639.51	95.57	68.31	-67.40	39.688915	-80.698315	0.11	
3736.00	1.09	296.44	3731.49	97.11	68.55	-69.21	39.688916	-80.698322	0.79	
3829.00	1.10	300.09	3824.47	98.85	69.39	-70.77	39.688918	-80.698327	0.08	
3922.00	1.05	321.84	3917.45	100.56	70.51	-72.07	39.688921	-80.698332	0.44	
4012.00	1.07	324.34	4007.44	102.19	71.84	-73.07	39.688925	-80.698335	0.06	
4104.00	1.05	324.26	4099.42	103.84	73.23	-74.07	39.688928	-80.698339	0.02	
4197.00	1.04	310.93	4192.41	105.51	74.47	-75.20	39.688932	-80.698343	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
4290.00	1.05	316.02	4285.39	107.20	75.64	-76.43	39.688935	-80.698347	0.10	
4383.00	0.93	306.57	4378.38	108.80	76.70	-77.63	39.688938	-80.698352	0.22	
4475.00	0.95	319.80	4470.37	110.30	77.73	-78.72	39.688941	-80.698355	0.24	
4568.00	0.72	304.79	4563.36	111.64	78.65	-79.70	39.688943	-80.698359	0.34	
4661.00	0.63	314.89	4656.35	112.73	79.34	-80.54	39.688945	-80.698362	0.16	
4754.00	0.72	321.56	4749.34	113.81	80.16	-81.27	39.688947	-80.698364	0.13	
4846.00	0.67	314.88	4841.34	114.92	80.99	-82.01	39.688950	-80.698367	0.10	
4939.00	0.14	351.86	4934.33	115.54	81.49	-82.41	39.688951	-80.698369	0.61	
5029.00	0.09	16.59	5024.33	115.65	81.67	-82.40	39.688952	-80.698368	0.08	
5121.00	0.31	21.21	5116.33	115.76	81.97	-82.29	39.688952	-80.698368	0.24	
5211.00	0.47	345.44	5206.33	116.14	82.55	-82.30	39.688954	-80.698368	0.32	
5304.00	0.37	315.89	5299.33	116.75	83.14	-82.60	39.688956	-80.698369	0.25	
5396.00	0.51	319.86	5391.33	117.45	83.66	-83.07	39.688957	-80.698371	0.16	
5489.00	0.63	325.11	5484.32	118.36	84.40	-83.63	39.688959	-80.698373	0.14	
5582.00	0.93	328.45	5577.31	119.57	85.46	-84.32	39.688962	-80.698375	0.33	
5674.00	0.31	330.78	5669.31	120.51	86.31	-84.83	39.688964	-80.698377	0.67	
5767.00	0.10	311.53	5762.31	120.83	86.59	-85.01	39.688965	-80.698378	0.23	Tie-On SVY
5867.00	0.39	342.32	5862.31	121.20	86.97	-85.18	39.688966	-80.698378	0.31	
5913.00	0.35	317.64	5908.30	121.47	87.22	-85.33	39.688967	-80.698379	0.35	
5959.00	0.43	327.31	5954.30	121.78	87.47	-85.51	39.688968	-80.698379	0.22	
6099.00	3.37	313.21	6094.21	126.39	90.73	-88.80	39.688977	-80.698391	2.11	
6145.00	4.72	300.22	6140.10	129.60	92.61	-91.42	39.688982	-80.698400	3.53	
6235.00	4.88	291.04	6229.78	136.87	95.85	-98.19	39.688991	-80.698424	0.87	
6328.00	6.07	300.51	6322.36	145.45	99.77	-106.12	39.689002	-80.698453	1.60	
6374.00	6.60	298.06	6368.08	150.43	102.24	-110.55	39.689008	-80.698468	1.29	
6420.00	8.85	291.57	6413.66	156.37	104.79	-116.17	39.689015	-80.698488	5.24	
6467.00	10.17	297.16	6460.01	163.84	108.01	-123.23	39.689024	-80.698513	3.42	
6513.00	12.06	297.03	6505.15	172.47	112.05	-131.12	39.689035	-80.698541	4.11	
6570.00	15.58	294.14	6560.49	185.63	117.89	-143.41	39.689052	-80.698585	6.29	
6617.00	18.50	297.94	6605.42	198.99	123.97	-155.77	39.689068	-80.698629	6.65	
6663.00	22.22	302.69	6648.54	214.75	132.09	-169.54	39.689091	-80.698678	8.84	
6710.00	25.26	307.00	6691.56	233.58	142.92	-185.03	39.689121	-80.698732	7.44	
6753.00	27.68	311.29	6730.06	252.73	155.04	-199.87	39.689154	-80.698785	7.17	
6800.00	30.70	316.06	6771.09	275.58	170.89	-216.40	39.689198	-80.698844	8.11	
6846.00	34.03	316.58	6809.94	300.06	188.70	-233.40	39.689247	-80.698904	7.26	
6892.00	37.89	314.21	6847.17	326.96	207.90	-252.38	39.689300	-80.698971	8.92	
6939.00	39.88	312.64	6883.75	356.41	228.18	-273.81	39.689356	-80.699047	4.72	
6985.00	43.01	310.95	6918.23	386.84	248.45	-296.52	39.689411	-80.699127	7.23	
7032.00	46.94	310.68	6951.47	420.06	270.16	-321.65	39.689471	-80.699216	8.37	
7078.00	52.28	310.50	6981.27	455.08	292.95	-348.25	39.689534	-80.699311	11.61	
7124.00	56.24	310.23	7008.13	492.41	317.12	-376.70	39.689601	-80.699411	8.62	
7171.00	57.87	310.63	7033.69	531.85	342.70	-406.72	39.689671	-80.699518	3.54	
7217.00	59.74	311.09	7057.52	571.19	368.44	-436.47	39.689742	-80.699623	4.15	
7264.00	64.99	311.22	7079.31	612.81	395.84	-467.81	39.689818	-80.699734	11.17	
7310.00	68.89	311.51	7097.32	655.12	423.80	-499.57	39.689895	-80.699847	8.50	
7356.00	70.67	311.44	7113.22	698.27	452.39	-531.91	39.689973	-80.699961	3.87	
7403.00	71.84	311.70	7128.32	742.76	481.92	-565.21	39.690055	-80.700079	2.54	
7449.00	74.09	312.06	7141.80	786.72	511.28	-597.95	39.690136	-80.700195	4.95	
7495.00	76.14	312.37	7153.62	831.15	541.15	-630.88	39.690218	-80.700312	4.50	
7542.00	79.91	312.59	7163.37	877.08	572.20	-664.78	39.690304	-80.700432	8.03	
7588.00	85.37	313.24	7169.26	922.64	603.25	-698.18	39.690389	-80.700550	11.95	
7635.00	89.45	313.66	7171.38	969.50	635.53	-732.25	39.690478	-80.700671	8.73	
7681.00	91.05	316.13	7171.18	1015.34	667.99	-764.84	39.690567	-80.700786	6.40	
7774.00	90.68	314.59	7169.77	1107.96	734.16	-830.17	39.690750	-80.701018	1.70	
7864.00	90.00	310.89	7169.24	1197.85	795.23	-896.26	39.690918	-80.701252	4.18	
7956.00	90.18	308.89	7169.10	1289.84	854.22	-966.85	39.691081	-80.701502	2.18	
8049.00	90.12	309.34	7168.85	1382.83	912.90	-1039.00	39.691242	-80.701758	0.49	
8142.00	90.06	308.78	7168.71	1475.81	971.50	-1111.22	39.691404	-80.702014	0.61	
8231.00	90.79	307.94	7168.05	1564.76	1026.73	-1181.00	39.691556	-80.702261	1.25	

## 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
8324.00	91.17	310.27	7166.46	1657.72	1085.38	-1253.15	39.691718	-80.702517	2.54	
8417.00	91.23	312.48	7164.51	1750.67	1146.83	-1322.92	39.691887	-80.702764	2.38	
8510.00	90.86	310.88	7162.81	1843.63	1208.66	-1392.36	39.692057	-80.703010	1.77	
8602.00	91.29	308.46	7161.09	1935.60	1267.37	-1463.16	39.692219	-80.703261	2.67	
8695.00	91.29	308.85	7158.99	2028.54	1325.45	-1535.77	39.692379	-80.703518	0.42	
8788.00	91.17	308.80	7157.00	2121.49	1383.74	-1608.20	39.692540	-80.703775	0.14	
8880.00	90.99	308.60	7155.26	2213.44	1441.25	-1679.99	39.692699	-80.704029	0.29	
8973.00	90.86	307.94	7153.76	2306.38	1498.85	-1753.00	39.692857	-80.704288	0.72	
9066.00	91.05	306.97	7152.21	2399.26	1555.40	-1826.81	39.693013	-80.704550	1.06	
9158.00	90.86	308.49	7150.68	2491.15	1611.68	-1899.56	39.693168	-80.704807	1.66	
9251.00	90.86	309.69	7149.28	2584.12	1670.32	-1971.74	39.693330	-80.705063	1.29	
9344.00	90.62	310.23	7148.08	2677.11	1730.04	-2043.01	39.693495	-80.705316	0.64	
9437.00	90.99	310.44	7146.77	2770.10	1790.23	-2113.90	39.693661	-80.705567	0.46	
9529.00	91.05	310.53	7145.13	2862.09	1849.95	-2183.86	39.693825	-80.705815	0.12	
9622.00	91.29	310.04	7143.24	2955.07	1910.07	-2254.79	39.693991	-80.706066	0.59	
9712.00	90.86	311.32	7141.55	3045.05	1968.73	-2323.03	39.694152	-80.706308	1.50	
9805.00	90.79	311.82	7140.21	3138.01	2030.43	-2392.60	39.694322	-80.706555	0.54	
9894.00	90.55	311.82	7139.17	3226.97	2089.77	-2458.92	39.694486	-80.706790	0.27	
9984.00	90.86	311.16	7138.06	3316.94	2149.39	-2526.33	39.694650	-80.707028	0.81	
10076.00	90.49	310.22	7136.98	3408.93	2209.36	-2596.08	39.694815	-80.707276	1.10	
10169.00	90.55	309.60	7136.13	3501.92	2269.03	-2667.42	39.694980	-80.707528	0.67	
10262.00	90.35	309.70	7135.40	3594.92	2328.37	-2739.02	39.695143	-80.707782	0.24	
10355.00	90.35	310.59	7134.83	3687.91	2388.33	-2810.11	39.695309	-80.708034	0.96	
10447.00	90.31	310.17	7134.30	3779.91	2447.93	-2880.19	39.695473	-80.708282	0.46	
10540.00	90.49	311.95	7133.65	3872.90	2509.01	-2950.31	39.695641	-80.708531	1.92	
10633.00	90.68	311.52	7132.70	3965.86	2570.92	-3019.70	39.695812	-80.708777	0.51	
10726.00	90.25	309.37	7131.95	4058.85	2631.24	-3090.47	39.695978	-80.709028	2.36	
10818.00	90.12	308.41	7131.65	4150.82	2689.00	-3162.08	39.696137	-80.709281	1.05	
10911.00	90.06	308.50	7131.51	4243.78	2746.84	-3234.91	39.696297	-80.709540	0.12	
11004.00	90.62	309.35	7130.95	4336.75	2805.27	-3307.26	39.696458	-80.709796	1.09	
11096.00	90.68	309.56	7129.91	4428.74	2863.73	-3378.29	39.696619	-80.710048	0.24	
11189.00	90.68	309.62	7128.81	4521.73	2922.99	-3449.95	39.696782	-80.710302	0.06	
11282.00	90.62	308.70	7127.75	4614.70	2981.71	-3522.06	39.696944	-80.710557	0.99	
11374.00	90.62	309.98	7126.76	4706.69	3040.03	-3593.20	39.697105	-80.710809	1.39	
11467.00	90.88	310.06	7125.54	4799.68	3099.83	-3664.42	39.697270	-80.711062	0.29	
11560.00	90.92	310.05	7124.08	4892.67	3159.67	-3735.59	39.697434	-80.711314	0.04	
11652.00	90.44	309.35	7122.99	4984.65	3218.43	-3806.37	39.697596	-80.711565	0.92	
11745.00	90.37	310.00	7122.33	5077.65	3277.80	-3877.95	39.697760	-80.711819	0.70	
11838.00	89.94	310.64	7122.08	5170.65	3337.98	-3948.86	39.697926	-80.712070	0.83	
11931.00	90.25	310.38	7121.92	5263.64	3398.39	-4019.56	39.698092	-80.712320	0.44	
12023.00	90.18	310.48	7121.58	5355.64	3458.05	-4089.59	39.698257	-80.712569	0.13	
12116.00	90.31	310.53	7121.18	5448.64	3518.46	-4160.31	39.698423	-80.712819	0.15	
12209.00	90.31	309.40	7120.68	5541.64	3578.19	-4231.58	39.698588	-80.713072	1.22	
12301.00	89.57	308.99	7120.77	5633.62	3636.33	-4302.88	39.698748	-80.713325	0.92	
12394.00	89.57	310.57	7121.47	5726.61	3695.83	-4374.35	39.698912	-80.713578	1.70	
12487.00	89.32	309.87	7122.37	5819.61	3755.88	-4445.36	39.699077	-80.713830	0.80	
12580.00	89.26	309.10	7123.53	5912.59	3815.01	-4517.13	39.699240	-80.714084	0.83	
12672.00	89.63	309.11	7124.42	6004.57	3873.04	-4588.52	39.699400	-80.714337	0.40	
12720.00	89.21	308.65	7124.90	6052.56	3903.17	-4625.88	39.699483	-80.714469	1.30	Last WFT SVY
12743.00	89.21	308.65	7125.22	6075.55	3917.53	-4643.84	39.699523	-80.714533	0.00	PTB

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