

ANADARKO PETROLEUM

# SURVEY REPORT

THRESHER 55-1-12 UNIT A 13H

SCAN DRILL PRIDE

11/11/2017



The **Ultimate Partner** In Wellbore Placement

CUSTOMER **Anadarko Petroleum**  
PROJECT **Thresher 55-1-12 Unit A 13H**  
FIELD **Wolfcamp**

SDI JOB NO. **OP.005762**  
SDI DISTRICT **Midland**  
SDI KIT/UNIT **KIT MUD PULSE**

### SITE INFORMATION

Site Name **Thresher 55-1-12 Unit A 13H**  
Lat/Long **31° 58' 51.476" N, 103° 42' 51.798" W**  
Northing **857,654.69 ft**  
Easting **951,711.56 ft**

Section  
Township  
Range

### MAP INFORMATION

North Reference **Grid North**  
Grid Correction **1.74 deg**  
System **US State Plane 1927**  
Datum **North American Datum 1927 (Clarke 1866)**  
Map Zone **Texas Central: 4203**



### WELL INFORMATION

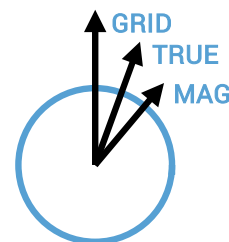
Lat/Long **31° 58' 51.476" N, 103° 42' 51.798" W**  
Northing **857,654.69 ft**  
Easting **951,711.56 ft**  
UWI **42301324240000 UWBI 42-301-32424**

### DEPTH AND ELEVATION REFERENCE

Ground Level **3060.61 ft above Mean Sea Level**  
Reference Datum **RKB**  
Reference Height **26 ft above G.L.**  
Reference Elevation **3086.61 ft**

### VERTICAL SECTION REFERENCE

+N/-S **0 ft**  
+E/-W **0 ft**  
Proposal Direction **182.59°**  
Calculation Method **Minimum Curvature**



### GEOMAGNETIC REFERENCE INFORMATION

Local Gravity: **998.513 mG [computed]**

MD	MODEL	DATE	DECLINATION	TRUE TO GRID	MAG TO GRID
0-20456 ft	HDGM2016	11 Nov 2017	6.99°	add 1.74°	add 8.73°

### WELL NOTES

Survey @ 20,456' is a projection only.

### OPERATORS

Justin Fuller, Douglas Bowling

SDI Operator Name (Printed)

SIGNATURE

DATE

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	CLOSURE DIST ft	CLOSURE DIR deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
155.00	0.52	299.29	155.00	-0.32	0.34	-0.61	0.34	0.70	299.29
186.00	0.77	300.44	186.00	-0.48	0.52	-0.92	0.81	1.05	299.52
218.00	0.78	310.87	217.99	-0.71	0.77	-1.27	0.44	1.48	301.31
311.00	0.87	314.19	310.98	-1.57	1.68	-2.25	0.11	2.81	306.68
433.00	1.95	301.51	432.94	-3.19	3.41	-4.68	0.92	5.79	306.03
556.00	1.93	302.70	555.87	-5.24	5.62	-8.21	0.04	9.95	304.39
653.00	3.72	313.56	652.75	-8.13	8.67	-11.87	1.92	14.70	306.15
805.00	3.10	320.58	804.48	-14.41	15.24	-18.05	0.49	23.63	310.18
898.00	3.61	305.37	897.33	-17.87	18.88	-22.03	1.10	29.02	310.59
991.00	6.05	295.80	989.99	-21.38	22.71	-28.84	2.75	36.70	308.22
1083.00	8.22	298.07	1081.27	-26.12	27.92	-39.00	2.38	47.96	305.59
1272.00	6.87	293.78	1268.63	-36.02	38.83	-61.27	0.77	72.54	302.36
1461.00	5.84	293.90	1456.47	-43.60	47.29	-80.41	0.55	93.28	300.46
1650.00	7.16	284.86	1644.26	-49.60	54.20	-100.58	0.88	114.26	298.32
1838.00	7.13	276.85	1830.80	-52.96	58.60	-123.49	0.53	136.69	295.38
2027.00	6.98	272.55	2018.37	-53.82	60.51	-146.61	0.29	158.61	292.43
2215.00	6.36	269.71	2205.10	-53.29	60.96	-168.44	0.37	179.13	289.90
2404.00	6.71	294.54	2392.91	-56.89	65.50	-188.95	1.49	199.98	289.12
2593.00	7.15	298.36	2580.53	-66.13	75.67	-209.35	0.34	222.60	289.87
2782.00	6.22	296.35	2768.24	-75.37	85.80	-228.87	0.51	244.43	290.55
2969.00	7.74	285.85	2953.86	-82.34	93.74	-250.07	1.06	267.06	290.55
3158.00	5.55	295.94	3141.58	-88.89	101.21	-270.53	1.31	288.85	290.51
3348.00	5.91	289.34	3330.63	-95.35	108.47	-288.03	0.39	307.77	290.64
3537.00	4.65	296.31	3518.83	-101.23	115.09	-304.07	0.75	325.13	290.73
3725.00	3.49	301.45	3706.35	-107.06	121.45	-315.79	0.65	338.34	291.04
3915.00	0.75	264.86	3896.21	-109.69	124.36	-321.96	1.54	345.14	291.12
4056.00	0.41	252.49	4037.20	-109.39	124.13	-323.36	0.26	346.37	291.00
4197.00	0.52	277.26	4178.20	-109.27	124.06	-324.48	0.16	347.38	290.92
4292.00	3.31	298.70	4273.14	-110.51	125.43	-327.31	2.98	350.52	290.97
4385.00	5.26	299.55	4365.87	-113.62	128.82	-333.37	2.10	357.40	291.13
4480.00	7.41	297.07	4460.29	-118.14	133.76	-342.62	2.28	367.80	291.33

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	CLOSURE DIST ft	CLOSURE DIR deg
4574.00	8.40	293.45	4553.39	-123.09	139.25	-354.32	1.18	380.70	291.45
4668.00	8.12	290.73	4646.42	-127.61	144.33	-366.82	0.51	394.20	291.48
4763.00	7.78	290.55	4740.50	-131.68	148.96	-379.12	0.36	407.33	291.45
4857.00	7.55	289.77	4833.66	-135.46	153.28	-390.89	0.27	419.87	291.41
4952.00	7.00	289.19	4927.90	-138.96	157.30	-402.23	0.58	431.89	291.36
5047.00	7.46	295.51	5022.15	-143.02	161.86	-413.26	0.97	443.83	291.39
5141.00	7.27	296.80	5115.37	-147.83	167.17	-424.08	0.27	455.84	291.51
5235.00	8.41	296.69	5208.49	-153.08	172.93	-435.53	1.21	468.61	291.66
5329.00	8.52	296.91	5301.47	-158.75	179.17	-447.88	0.12	482.39	291.80
5423.00	8.19	296.94	5394.47	-164.38	185.36	-460.06	0.35	495.99	291.94
5517.00	8.17	297.26	5487.51	-169.93	191.45	-471.96	0.05	509.32	292.08
5611.00	8.13	298.37	5580.56	-175.61	197.67	-483.75	0.17	522.58	292.23
5706.00	8.58	292.80	5674.56	-180.98	203.61	-496.19	0.97	536.34	292.31
5800.00	8.34	288.79	5767.53	-185.30	208.52	-509.11	0.68	550.16	292.27
5895.00	7.85	288.13	5861.59	-188.96	212.76	-521.80	0.52	563.51	292.18
5989.00	6.90	287.90	5954.81	-192.17	216.49	-533.27	1.01	575.54	292.10
6084.00	6.28	286.59	6049.18	-194.94	219.73	-543.68	0.67	586.41	292.01
6178.00	6.46	289.65	6142.60	-197.73	222.97	-553.59	0.41	596.81	291.94
6273.00	6.93	291.40	6236.95	-201.15	226.86	-563.96	0.54	607.88	291.91
6367.00	6.36	290.22	6330.32	-204.55	230.73	-574.13	0.62	618.75	291.89
6462.00	5.70	289.87	6424.79	-207.55	234.15	-583.50	0.70	628.73	291.87
6556.00	5.47	289.76	6518.35	-210.26	237.26	-592.11	0.24	637.87	291.84
6651.00	5.26	286.83	6612.93	-212.66	240.05	-600.54	0.36	646.73	291.79
6745.00	5.31	283.25	6706.53	-214.53	242.29	-608.89	0.35	655.33	291.70
6839.00	3.91	268.44	6800.23	-215.10	243.20	-616.33	1.94	662.58	291.53
6933.00	2.24	268.32	6894.09	-214.73	243.06	-621.37	1.78	667.22	291.36
7027.00	1.02	310.85	6988.05	-215.11	243.55	-623.84	1.74	669.70	291.33
7121.00	0.73	347.62	7082.04	-216.21	244.69	-624.60	0.66	670.82	291.39
7215.00	0.51	27.76	7176.04	-217.17	245.64	-624.54	0.50	671.11	291.47
7309.00	0.32	65.53	7270.04	-217.67	246.12	-624.10	0.34	670.88	291.52
7499.00	0.80	138.96	7460.03	-216.95	245.34	-622.75	0.41	669.33	291.50
7687.00	1.36	143.00	7647.99	-214.28	242.57	-620.54	0.30	666.27	291.35

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	CLOSURE DIST ft	CLOSURE DIR deg
7876.00	0.47	228.50	7836.97	-212.01	240.26	-619.78	0.74	664.72	291.19
8066.00	0.93	188.41	8026.96	-209.93	238.22	-620.58	0.34	664.74	291.00
8254.00	0.32	183.78	8214.95	-207.89	236.19	-620.84	0.33	664.25	290.83
8443.00	0.56	108.68	8403.94	-207.11	235.36	-620.00	0.30	663.17	290.79
8537.00	0.52	224.78	8497.94	-206.66	234.91	-619.87	0.98	662.89	290.76
8631.00	0.44	187.76	8591.94	-205.99	234.25	-620.22	0.33	662.98	290.69
8820.00	1.41	1.96	8780.92	-207.59	235.86	-620.23	0.98	663.57	290.82
9009.00	2.24	296.17	8969.84	-211.39	239.81	-623.47	1.11	668.00	291.04
9198.00	2.76	236.02	9158.69	-210.16	238.90	-630.56	1.35	674.30	290.75
9387.00	1.76	226.98	9347.54	-205.38	234.38	-636.46	0.56	678.24	290.22
9577.00	1.82	218.38	9537.45	-200.84	230.02	-640.46	0.14	680.51	289.76
9765.00	1.81	191.32	9725.36	-195.49	224.77	-642.90	0.45	681.06	289.27
9954.00	2.43	187.80	9914.23	-188.55	217.87	-644.03	0.34	679.88	288.69
10142.00	1.43	179.16	10102.12	-182.23	211.58	-644.53	0.55	678.37	288.17
10331.00	0.93	222.27	10291.08	-178.70	208.08	-645.53	0.52	678.24	287.87
10520.00	0.60	93.82	10480.08	-177.50	206.88	-645.58	0.73	677.92	287.77
10708.00	0.25	25.63	10668.07	-177.85	207.19	-644.42	0.30	676.90	287.82
10883.00	0.55	277.06	10843.07	-178.27	207.63	-645.08	0.38	677.68	287.84
10981.00	1.49	174.53	10941.06	-177.05	206.42	-645.43	1.73	677.64	287.74
11076.00	8.22	189.04	11035.66	-169.07	198.48	-646.38	7.14	676.17	287.07
11170.00	15.60	177.58	11127.59	-149.77	179.18	-646.90	8.21	671.26	285.48
11264.00	21.58	179.87	11216.64	-119.88	149.24	-646.33	6.41	663.34	283.00
11358.00	28.07	185.64	11301.92	-80.48	109.90	-648.47	7.36	657.71	279.62
11374.00	30.21	185.61	11315.90	-72.70	102.15	-649.23	13.38	657.22	278.94
11516.00	43.22	186.05	11429.49	11.86	17.88	-657.88	9.16	658.12	271.56
11548.00	46.38	184.93	11452.19	34.38	-4.56	-660.03	10.20	660.05	269.60
11580.00	48.72	183.46	11473.79	57.98	-28.11	-661.75	8.04	662.35	267.57
11612.00	52.28	180.79	11494.14	82.66	-52.77	-662.65	12.86	664.75	265.45
11643.00	56.39	177.59	11512.22	107.79	-77.94	-662.28	15.68	666.85	263.29
11675.00	59.72	174.59	11529.15	134.76	-105.02	-660.42	13.09	668.71	260.96
11706.00	60.77	175.33	11544.54	161.43	-131.83	-658.05	3.98	671.13	258.67
11733.00	64.94	176.08	11556.85	185.28	-155.79	-656.26	15.64	674.49	256.65

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	CLOSURE DIST ft	CLOSURE DIR deg
11765.00	68.65	176.45	11569.46	214.51	-185.13	-654.34	11.64	680.03	254.20
11796.00	71.77	178.30	11579.95	243.55	-214.26	-653.01	11.51	687.26	251.83
11828.00	76.52	178.74	11588.69	274.25	-245.03	-652.22	14.90	696.73	249.41
11859.00	80.98	178.51	11594.74	304.57	-275.41	-651.49	14.40	707.31	247.08
11891.00	84.95	178.59	11598.66	336.25	-307.16	-650.68	12.42	719.54	244.73
11922.00	89.46	180.74	11600.18	367.16	-338.11	-650.50	16.12	733.12	242.54
11954.00	90.30	182.83	11600.24	399.15	-370.09	-651.50	7.06	749.28	240.40
11985.00	89.83	184.30	11600.20	430.15	-401.03	-653.43	4.96	766.68	238.46
12080.00	94.68	183.88	11596.47	525.01	-495.69	-660.20	5.12	825.57	233.10
12175.00	94.68	183.56	11588.72	619.68	-590.17	-666.34	0.34	890.12	228.47
12270.00	93.70	182.74	11581.78	714.42	-684.77	-671.54	1.34	959.10	224.44
12365.00	94.14	183.31	11575.29	809.19	-779.42	-676.54	0.76	1032.08	220.96
12460.00	90.27	182.75	11571.63	904.10	-874.20	-681.55	4.12	1108.48	217.94
12554.00	88.99	181.76	11572.24	998.09	-968.12	-685.25	1.72	1186.09	215.29
12649.00	92.52	180.62	11570.99	1093.04	-1063.07	-687.22	3.90	1265.86	212.88
12743.00	91.34	179.88	11567.82	1186.91	-1157.02	-687.63	1.48	1345.93	210.72
12838.00	89.90	179.71	11566.79	1281.79	-1252.01	-687.29	1.53	1428.25	208.76
12932.00	88.52	179.79	11568.09	1375.66	-1345.99	-686.88	1.47	1511.13	207.04
13027.00	95.30	181.99	11564.92	1470.50	-1440.87	-688.35	7.51	1596.85	205.54
13121.00	96.19	182.05	11555.50	1564.02	-1534.34	-691.66	0.94	1683.03	204.27
13215.00	91.94	183.06	11548.84	1657.77	-1627.98	-695.84	4.64	1770.46	203.14
13309.00	88.42	182.10	11548.54	1751.75	-1721.87	-700.06	3.89	1858.75	202.13
13403.00	93.72	183.92	11546.78	1845.69	-1815.69	-705.00	5.97	1947.76	201.22
13497.00	92.55	184.37	11541.64	1939.51	-1909.30	-711.79	1.33	2037.66	200.45
13592.00	92.52	184.77	11537.43	2034.36	-2003.90	-719.36	0.42	2129.11	199.75
13687.00	91.18	184.35	11534.36	2129.26	-2098.55	-726.91	1.48	2220.88	199.11
13781.00	90.57	185.49	11532.93	2223.17	-2192.19	-734.97	1.37	2312.12	198.53
13876.00	90.13	185.37	11532.34	2318.05	-2286.76	-743.96	0.48	2404.74	198.02
13971.00	87.48	182.05	11534.33	2412.99	-2381.52	-750.11	4.48	2496.86	197.48
14065.00	91.14	184.30	11535.46	2506.95	-2475.35	-755.32	4.58	2588.02	196.97
14160.00	89.36	190.58	11535.04	2601.56	-2569.50	-767.61	6.87	2681.71	196.63
14254.00	87.95	191.26	11537.24	2694.54	-2661.77	-785.42	1.67	2775.23	196.44



MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	CLOSURE DIST ft	CLOSURE DIR deg
14349.00	90.13	186.07	11538.83	2788.95	-2755.63	-799.72	5.93	2869.33	196.18
14444.00	88.99	184.45	11539.56	2883.84	-2850.22	-808.43	2.08	2962.66	195.84
14538.00	91.31	184.05	11539.31	2977.80	-2943.96	-815.39	2.50	3054.79	195.48
14633.00	90.00	181.97	11538.23	3072.78	-3038.81	-820.38	2.58	3147.60	195.11
14727.00	89.40	183.69	11538.72	3166.78	-3132.69	-825.02	1.93	3239.51	194.75
14790.00	89.60	179.66	11539.28	3229.75	-3195.65	-826.86	6.40	3300.89	194.51
14821.00	89.50	177.56	11539.52	3260.67	-3226.64	-826.10	6.76	3330.71	194.36
14853.00	89.50	179.52	11539.80	3292.59	-3258.63	-825.29	6.13	3361.51	194.21
14884.00	90.34	179.46	11539.85	3323.55	-3289.63	-825.02	2.72	3391.50	194.08
14915.00	92.69	176.15	11539.03	3354.42	-3320.59	-823.83	13.08	3421.25	193.93
14947.00	94.14	173.01	11537.13	3386.05	-3352.38	-820.81	10.81	3451.40	193.76
14978.00	94.38	172.99	11534.82	3416.53	-3383.07	-817.04	0.76	3480.33	193.58
15010.00	94.41	172.79	11532.37	3447.98	-3414.73	-813.10	0.65	3510.20	193.39
15104.00	93.09	175.84	11526.22	3540.79	-3508.05	-803.81	3.54	3598.96	192.91
15199.00	91.44	178.33	11522.47	3635.27	-3602.84	-798.98	3.13	3690.37	192.50
15293.00	90.84	182.24	11520.59	3729.15	-3696.80	-799.45	4.21	3782.26	192.20
15387.00	89.60	180.22	11520.24	3823.12	-3790.78	-801.46	2.53	3874.57	191.94
15481.00	87.85	181.59	11522.33	3917.05	-3884.73	-802.94	2.36	3966.85	191.68
15576.00	90.30	186.41	11523.86	4011.97	-3979.46	-809.57	5.69	4060.97	191.50
15670.00	89.06	184.63	11524.38	4105.84	-4073.01	-818.60	2.31	4154.46	191.36
15764.00	89.93	181.67	11525.21	4199.82	-4166.86	-823.76	3.28	4247.50	191.18
15859.00	87.82	177.55	11527.07	4294.65	-4261.81	-823.11	4.88	4340.57	190.93
15953.00	90.27	181.19	11528.64	4388.47	-4355.77	-822.07	4.67	4432.67	190.69
16047.00	90.13	182.95	11528.31	4482.46	-4449.70	-825.47	1.88	4525.62	190.51
16141.00	90.00	180.82	11528.20	4576.45	-4543.65	-828.57	2.27	4618.58	190.33
16235.00	89.87	178.12	11528.31	4670.30	-4637.63	-827.70	2.88	4710.92	190.12
16330.00	90.17	176.21	11528.29	4764.87	-4732.51	-823.00	2.03	4803.54	189.87
16424.00	89.63	177.60	11528.45	4858.40	-4826.37	-817.92	1.59	4895.19	189.62
16519.00	90.10	180.32	11528.67	4953.20	-4921.35	-816.19	2.90	4988.57	189.42
16614.00	89.60	177.73	11528.92	5048.01	-5016.32	-814.57	2.78	5082.03	189.22
16708.00	89.83	179.55	11529.39	5141.78	-5110.29	-812.34	1.95	5174.46	189.03
16803.00	90.03	178.98	11529.50	5236.62	-5205.28	-811.12	0.64	5268.10	188.86

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	CLOSURE DIST ft	CLOSURE DIR deg
16897.00	90.23	180.23	11529.28	5330.49	-5299.28	-810.47	1.35	5360.90	188.70
16992.00	90.87	184.74	11528.36	5425.46	-5394.16	-814.59	4.79	5455.32	188.59
17087.00	89.87	185.52	11527.75	5520.36	-5488.78	-823.08	1.34	5550.15	188.53
17181.00	89.46	186.77	11528.30	5614.18	-5582.23	-833.14	1.40	5644.06	188.49
17276.00	89.90	187.68	11528.83	5708.87	-5676.48	-845.08	1.06	5739.04	188.47
17370.00	90.20	185.67	11528.75	5802.62	-5769.83	-856.01	2.16	5832.99	188.44
17464.00	90.00	183.25	11528.58	5896.57	-5863.54	-863.32	2.58	5926.76	188.38
17559.00	89.56	183.08	11528.95	5991.56	-5958.40	-868.57	0.49	6021.37	188.29
17654.00	89.73	182.15	11529.53	6086.56	-6053.30	-872.90	1.00	6115.91	188.21
17748.00	90.27	180.74	11529.53	6180.54	-6147.26	-875.27	1.60	6209.26	188.10
17842.00	89.40	181.44	11529.80	6274.50	-6241.24	-877.05	1.19	6302.57	188.00
17936.00	89.73	184.90	11530.52	6368.48	-6335.08	-882.25	3.70	6396.22	187.93
18031.00	90.40	185.08	11530.41	6463.40	-6429.72	-890.51	0.73	6491.10	187.89
18126.00	90.67	187.11	11529.52	6558.21	-6524.18	-900.60	2.16	6586.04	187.86
18221.00	90.27	183.94	11528.74	6653.07	-6618.72	-909.74	3.36	6680.95	187.83
18315.00	90.24	181.56	11528.33	6747.06	-6712.60	-914.25	2.53	6774.58	187.76
18410.00	90.60	181.39	11527.63	6842.04	-6807.57	-916.69	0.43	6869.01	187.67
18505.00	90.57	180.03	11526.66	6936.98	-6902.55	-917.87	1.43	6963.31	187.57
18600.00	89.97	179.46	11526.21	7031.86	-6997.55	-917.45	0.88	7057.44	187.47
18694.00	89.76	183.20	11526.43	7125.82	-7091.51	-919.63	3.99	7150.89	187.39
18788.00	90.13	182.06	11526.52	7219.82	-7185.41	-923.95	1.28	7244.57	187.33
18883.00	90.37	182.96	11526.10	7314.82	-7280.32	-928.11	0.98	7339.24	187.26
18978.00	90.13	181.29	11525.68	7409.81	-7375.25	-931.63	1.77	7433.85	187.20
19073.00	89.76	182.37	11525.76	7504.80	-7470.20	-934.67	1.20	7528.44	187.13
19168.00	90.57	183.24	11525.49	7599.80	-7565.08	-939.31	1.25	7623.17	187.08
19263.00	90.03	181.01	11524.99	7694.79	-7660.01	-942.83	2.42	7717.81	187.02
19357.00	89.36	181.64	11525.48	7788.76	-7753.98	-945.00	0.98	7811.35	186.95
19452.00	90.03	181.92	11525.98	7883.75	-7848.93	-947.95	0.77	7905.97	186.89
19547.00	89.26	179.89	11526.57	7978.70	-7943.91	-949.45	2.29	8000.45	186.82
19640.00	90.64	181.89	11526.65	8071.65	-8036.89	-950.89	2.62	8092.95	186.75
19735.00	91.24	183.83	11525.09	8166.64	-8131.76	-955.63	2.14	8187.72	186.70
19830.00	90.87	182.37	11523.34	8261.61	-8226.60	-960.77	1.59	8282.51	186.66



MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	CLOSURE DIST ft	CLOSURE DIR deg
19925.00	90.87	181.54	11521.90	8356.59	-8321.53	-964.02	0.87	8377.19	186.61
20019.00	90.23	182.82	11520.99	8450.59	-8415.46	-967.59	1.52	8470.90	186.56
20114.00	90.54	182.22	11520.35	8545.58	-8510.36	-971.77	0.70	8565.67	186.51
20208.00	90.70	181.33	11519.33	8639.57	-8604.31	-974.69	0.96	8659.34	186.46
20303.00	90.50	179.09	11518.33	8734.47	-8699.30	-975.04	2.37	8753.77	186.40
20398.00	89.83	176.93	11518.05	8829.16	-8794.24	-971.75	2.38	8847.76	186.31
20456.00	89.83	176.93	11518.22	8886.88	-8852.15	-968.64	0.00	8904.99	186.24