



Directional Survey Report

Company Name: DEVON ENERGY CORPORATION
Well Name: RIO BLANCO 4-33 FED COM 39H ST01
Field: BONE SPRING
Rig ID: H&P 540

State/Prov: NM
County: LEA COUNTY
Location: Sec 4, T 23 S, R 34 E
API/UWI: 30-025-44830

Survey Company: Legacy Directional
Job Number: LF181034
Latitude: 32° 20' 1.881" N
Longitude: 103° 28' 15.446" W

Proposed Azimuth: 355.59°
Declination: 6.34°
North Reference: GRID
KB: 3427 FT

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	CD	CA	Temp
Tie-In	0	0	0	0.00	0	0	0.00	0	0	0.00	355.59	0
1	196	0.12	115.63	196.00	-0.09	0.19	-0.10	0.06	196	0.21	115.63	85
2	315	0.15	154.84	315.00	-0.28	0.36	-0.31	0.08	119	0.46	127.96	85
3	403	0.17	165.81	403.00	-0.51	0.44	-0.55	0.04	88	0.68	139.17	92
4	503	0.12	294.48	503.00	-0.61	0.39	-0.64	0.26	100	0.73	147.91	92
5	593	0.26	317.43	593.00	-0.43	0.16	-0.44	0.17	90	0.46	159.19	92
6	683	0.56	314.58	683.00	0.03	-0.29	0.06	0.33	90	0.29	278.62	92
7	775	0.83	312.9	774.99	0.80	-1.10	0.88	0.29	92	1.36	308.17	92
8	865	0.91	311.68	864.98	1.72	-2.11	1.88	0.09	90	2.72	309.22	92
9	955	0.42	288.19	954.97	2.30	-2.96	2.52	0.61	90	3.75	307.88	99
10	1045	0.25	307.51	1044.97	2.52	-3.43	2.78	0.22	90	4.25	306.37	106
11	1137	0.42	352.27	1136.97	2.98	-3.63	3.25	0.33	92	4.70	309.37	106
12	1226	0.85	25.25	1225.96	3.90	-3.39	4.15	0.62	89	5.17	318.98	106
13	1318	1.39	34.86	1317.95	5.43	-2.46	5.61	0.62	92	5.96	335.60	106
14	1409	1.85	39.29	1408.91	7.47	-0.90	7.52	0.52	91	7.53	353.12	113
15	1499	1.66	36.26	1498.87	9.65	0.79	9.56	0.23	90	9.68	4.67	113
16	1592	1.52	31.35	1591.83	11.79	2.23	11.58	0.21	93	12.00	10.70	113
17	1686	1.36	43.34	1685.80	13.67	3.64	13.35	0.36	94	14.14	14.92	113
18	1779	1.37	56.52	1778.78	15.08	5.33	14.63	0.34	93	15.99	19.45	113
19	1842	1.41	50.45	1841.76	15.99	6.55	15.44	0.24	63	17.28	22.28	106
20	1942	1.58	29.84	1941.72	17.97	8.19	17.29	0.56	100	19.75	24.49	92
21	2036	1.82	28.65	2035.68	20.40	9.55	19.61	0.26	94	22.53	25.07	99
22	2131	1.85	28.23	2130.63	23.08	11.00	22.16	0.03	95	25.56	25.47	99
23	2225	1.97	29.63	2224.58	25.82	12.51	24.78	0.14	94	28.69	25.85	99
24	2319	1.9	29.96	2318.53	28.57	14.09	27.41	0.08	94	31.86	26.25	106
25	2413	1.56	3.37	2412.49	31.20	14.94	29.96	0.92	94	34.60	25.59	106
26	2508	2.55	318.84	2507.43	34.08	13.63	32.94	1.90	95	36.71	21.79	113
27	2602	3.68	307.73	2601.29	37.50	9.87	36.63	1.36	94	38.78	14.74	113
28	2696	4.11	297.76	2695.07	40.92	4.50	40.45	0.85	94	41.17	6.27	113
29	2790	4.13	286.23	2788.83	43.43	-1.73	43.44	0.88	94	43.47	357.72	121
30	2884	3.78	276.3	2882.61	44.72	-8.06	45.21	0.82	94	45.44	349.78	121
31	2979	4.27	269.05	2977.38	45.01	-14.71	46.00	0.74	95	47.35	341.90	121
32	3073	5.4	264.53	3071.04	44.53	-22.81	46.13	1.27	94	49.94	333.08	121
33	3167	5.46	264.65	3164.62	43.69	-31.47	45.98	0.06	94	53.84	324.23	121
34	3261	4.61	269.81	3258.26	43.26	-39.70	46.18	1.02	94	58.71	317.46	121

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	CD	CA	Temp
35	3355	4.64	268.44	3351.95	43.14	-47.28	46.65	0.12	94	64.00	312.38	128
36	3400	4.74	265.1	3396.80	42.93	-50.95	46.72	0.65	45	66.63	310.12	128
37	3555	4.48	262.3	3551.30	41.58	-63.33	46.32	0.22	155	75.76	303.28	106
38	3649	4.88	263.89	3644.98	40.66	-70.94	45.99	0.45	94	81.77	299.82	106
39	3744	4.84	264.37	3739.64	39.83	-78.95	45.79	0.06	95	88.43	296.77	106
40	3838	4.7	264.95	3833.32	39.11	-86.73	45.66	0.16	94	95.14	294.27	106
41	3933	4.58	264.71	3928.01	38.41	-94.39	45.56	0.13	95	101.90	292.15	106
42	4027	3.97	264.26	4021.74	37.74	-101.36	45.43	0.65	94	108.16	290.42	92
43	4121	5.16	277.47	4115.45	37.97	-108.79	46.22	1.68	94	115.22	289.24	85
44	4215	5.67	278.69	4209.03	39.22	-117.57	48.14	0.56	94	123.94	288.45	85
45	4310	6.67	277.08	4303.47	40.61	-127.69	50.31	1.07	95	133.99	287.64	85
46	4404	7.13	274.78	4396.79	41.77	-138.92	52.32	0.57	94	145.06	286.73	92
47	4498	6.32	261.76	4490.15	41.51	-149.85	52.91	1.83	94	155.49	285.48	92
48	4592	6.09	258.68	4583.60	39.79	-159.86	51.97	0.43	94	164.74	283.98	92
49	4686	5.74	258.76	4677.10	37.90	-169.36	50.81	0.37	94	173.55	282.61	92
50	4781	5.5	259.16	4771.64	36.11	-178.49	49.73	0.26	95	182.11	281.44	99
51	4875	5.32	258.16	4865.23	34.37	-187.18	48.66	0.22	94	190.31	280.41	99
52	4970	5.26	259.48	4959.82	32.67	-195.77	47.63	0.14	95	198.48	279.48	99
53	5064	6.33	264.01	5053.34	31.35	-205.16	47.03	1.24	94	207.54	278.69	99
54	5158	6.46	264.9	5146.75	30.34	-215.58	46.82	0.17	94	217.71	278.01	99
55	5206	6.37	264.72	5194.45	29.85	-220.93	46.75	0.19	48	222.93	277.69	99
56	5344	6.31	262.89	5331.61	28.21	-236.07	46.28	0.15	138	237.75	276.81	99
57	5438	6.08	264.28	5425.06	27.07	-246.15	45.92	0.29	94	247.64	276.28	106
58	5532	6.26	264.68	5518.52	26.10	-256.21	45.72	0.20	94	257.53	275.82	106
59	5626	6.23	263.15	5611.96	25.02	-266.38	45.42	0.18	94	267.55	275.37	113
60	5721	6.11	263.18	5706.41	23.80	-276.51	44.99	0.13	95	277.54	274.92	113
61	5815	6.15	261.89	5799.87	22.50	-286.47	44.46	0.15	94	287.35	274.49	113
62	5909	5.35	249.24	5893.40	20.23	-295.55	42.90	1.59	94	296.24	273.92	113
63	6003	5.51	248.55	5986.98	17.03	-303.85	40.34	0.18	94	304.32	273.21	121
64	6097	5.4	249.21	6080.55	13.81	-312.18	37.77	0.13	94	312.49	272.53	121
65	6192	3.67	240.09	6175.25	10.71	-319.00	35.20	1.97	95	319.18	271.92	121
66	6286	3.63	238.69	6269.06	7.66	-324.15	32.56	0.10	94	324.24	271.35	121
67	6380	3.67	237.61	6362.87	4.50	-329.23	29.80	0.08	94	329.26	270.78	121
68	6474	3.6	237.12	6456.68	1.29	-334.25	26.99	0.08	94	334.25	270.22	121
69	6568	3.38	265.44	6550.52	-0.53	-339.47	25.57	1.83	94	339.47	269.91	121
70	6663	3.34	267.92	6645.35	-0.85	-345.01	25.68	0.15	95	345.02	269.86	128
71	6757	3.33	263.49	6739.20	-1.26	-350.46	25.69	0.27	94	350.47	269.79	128
72	6851	3.35	265.62	6833.04	-1.78	-355.91	25.59	0.13	94	355.92	269.71	128
73	6945	3.28	263.35	6926.88	-2.30	-361.32	25.49	0.16	94	361.33	269.63	128
74	7039	3.41	258.29	7020.72	-3.18	-366.73	25.03	0.34	94	366.75	269.50	128

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75	7133	3.28	261.18	7114.56	-4.16	-372.13	24.46	0.23	94	372.15	269.36	128
76	7228	3.13	260.92	7209.41	-4.99	-377.37	24.04	0.16	95	377.41	269.24	128
77	7322	2.87	257.86	7303.28	-5.89	-382.21	23.52	0.32	94	382.25	269.12	127.7
78	7416	3.07	256.32	7397.16	-6.98	-386.95	22.80	0.23	94	387.02	268.97	134.9
79	7510	2.96	255.23	7491.02	-8.19	-391.75	21.95	0.13	94	391.83	268.80	134.9
80	7605	3.14	271.01	7585.89	-8.77	-396.72	21.76	0.90	95	396.82	268.73	134.9
81	7699	2.97	269.66	7679.76	-8.74	-401.73	22.17	0.20	94	401.83	268.75	134.9
82	7793	2.79	268.95	7773.64	-8.80	-406.45	22.48	0.20	94	406.55	268.76	134.9
83	7887	3.3	280.47	7867.51	-8.35	-411.40	23.31	0.84	94	411.49	268.84	134.9
84	7981	4.31	288.73	7961.30	-6.72	-417.41	25.39	1.22	94	417.46	269.08	134.9
85	8076	4	288.93	8056.05	-4.50	-423.92	28.11	0.33	95	423.95	269.39	134.9
86	8170	5.15	290.23	8149.75	-1.98	-430.98	31.17	1.23	94	430.99	269.74	134.9
87	8264	4.86	289.54	8243.39	0.81	-438.69	34.54	0.32	94	438.69	270.11	134.9
88	8358	4.27	289.64	8337.09	3.32	-445.74	37.58	0.63	94	445.75	270.43	134.9
89	8452	3.7	294.29	8430.86	5.74	-451.80	40.47	0.70	94	451.84	270.73	134.9
90	8547	4.61	280.42	8525.62	7.70	-458.35	42.92	1.42	95	458.42	270.96	134.9
91	8641	3.87	277.16	8619.36	8.77	-465.21	44.52	0.83	94	465.30	271.08	134.9
92	8735	3.92	262.43	8713.14	8.75	-471.55	44.98	1.06	94	471.63	271.06	134.9
93	8830	3.24	264.14	8807.96	8.04	-477.44	44.73	0.72	95	477.50	270.97	134.9
94	8924	2.46	259.55	8901.84	7.41	-482.06	44.45	0.86	94	482.12	270.88	127.7
95	9018	1.97	253.35	8995.77	6.58	-485.59	43.90	0.58	94	485.64	270.78	127.7
96	9112	1.81	235.34	9089.72	5.27	-488.36	42.81	0.65	94	488.39	270.62	134.9
97	9206	2.26	252.63	9183.66	3.87	-491.35	41.64	0.80	94	491.37	270.45	134.9
98	9300	2.09	251.26	9277.59	2.77	-494.74	40.80	0.19	94	494.75	270.32	134.9
99	9394	1.9	263.19	9371.54	2.03	-497.92	40.31	0.48	94	497.92	270.23	134.9
100	9488	0.99	233.76	9465.51	1.37	-500.12	39.82	1.22	94	500.12	270.16	134.9
101	9583	0.36	321.92	9560.50	1.12	-500.96	39.64	1.10	95	500.97	270.13	134.9
102	9677	0.35	340.82	9654.50	1.62	-501.24	40.16	0.12	94	501.24	270.19	142
103	9725	2.08	4.28	9702.49	2.63	-501.22	41.16	3.68	48	501.23	270.30	127.7
104	9771	8.84	17.45	9748.25	6.84	-500.10	45.27	14.85	46	500.15	270.78	127.7
105	9818	16.54	8.56	9794.07	16.92	-498.02	55.16	16.85	47	498.31	271.95	127.7
106	9865	22.03	3.48	9838.42	32.34	-496.49	70.42	12.20	47	497.54	273.73	134.9
107	9914	29.65	5.8	9882.49	53.61	-494.70	91.49	15.68	49	497.60	276.18	134.9
108	9960	34.77	5.85	9921.40	77.99	-492.26	115.61	11.13	46	498.40	279.00	134.9
109	10008	39	7.59	9959.79	106.60	-488.91	143.88	9.14	48	500.40	282.30	134.9
110	10056	44.09	6.72	9995.70	138.18	-484.96	175.06	10.67	48	504.26	285.90	134.9
111	10102	50.4	2.67	10026.92	171.81	-482.26	208.39	15.16	46	511.95	289.61	134.9
112	10148	51.39	0.48	10055.93	207.49	-481.28	243.89	4.28	46	524.11	293.32	134.9
113	10195	51.08	358.45	10085.36	244.13	-481.62	280.44	3.43	47	539.97	296.88	134.9
114	10242	51.65	357.22	10114.71	280.82	-483.01	317.13	2.38	47	558.71	300.17	134.9

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115	10289	53.91	357.39	10143.14	318.20	-484.77	354.54	4.82	47	579.88	303.28	134.9
116	10336	56.69	358.93	10169.89	356.79	-486.89	393.16	5.97	47	603.46	306.25	134.9
117	10383	58.84	356.35	10194.96	396.48	-489.02	432.91	4.69	47	629.55	309.03	142
118	10431	62.11	356.63	10218.61	438.16	-491.58	474.66	6.83	48	658.51	311.71	134.9
119	10478	65.91	356.22	10239.20	480.32	-494.21	516.90	8.12	47	689.17	314.18	134.9
120	10525	69.57	355.68	10257.00	523.70	-497.29	560.38	7.86	47	722.19	316.48	134.9
121	10572	72.97	354.64	10272.09	568.04	-501.05	604.89	7.53	47	757.44	318.59	142
122	10619	77.75	355.7	10283.97	613.34	-504.87	650.35	10.40	47	794.41	320.54	142
123	10666	80.49	356.74	10292.84	659.39	-507.91	696.49	6.22	47	832.33	322.39	142
124	10698	83.66	358.56	10297.25	691.05	-509.21	728.16	11.40	32	858.40	323.62	134.9
125	10764	89.8	359.35	10301.02	756.90	-510.41	793.91	9.38	66	912.92	326.01	134.9
126	10858	90.84	359.45	10300.65	850.90	-511.39	887.70	0.90	94	992.75	328.99	134.9
127	10953	89.52	358.76	10300.52	945.88	-512.88	982.52	1.38	95	1075.98	331.53	134.9
128	11047	89.8	358.2	10301.08	1039.85	-515.37	1076.40	0.67	94	1160.55	333.64	134.9
129	11141	90.7	357.87	10300.67	1133.79	-518.59	1170.31	1.02	94	1246.76	335.42	142
130	11236	88.6	358.27	10301.25	1228.73	-521.79	1265.21	2.25	95	1334.93	336.99	142
131	11330	89.08	358.16	10303.15	1322.66	-524.72	1359.09	0.52	94	1422.94	338.36	142
132	11424	89.58	357.72	10304.25	1416.60	-528.10	1453.01	0.71	94	1511.83	339.55	149.1
133	11518	86.72	1.77	10307.29	1510.52	-528.52	1546.68	5.27	94	1600.31	340.72	142
134	11612	88.57	3.16	10311.15	1604.34	-524.48	1639.92	2.46	94	1687.90	341.90	142
135	11706	90.84	4.21	10311.63	1698.14	-518.44	1732.98	2.66	94	1775.52	343.02	142
136	11801	90.87	4.43	10310.22	1792.86	-511.28	1826.87	0.23	95	1864.34	344.08	149.1
137	11895	90.7	4.77	10308.93	1886.55	-503.74	1919.70	0.40	94	1952.64	345.05	149.1
138	11989	90.84	2.12	10307.66	1980.36	-498.10	2012.80	2.82	94	2042.04	345.88	149.1
139	12083	90.28	0.03	10306.75	2074.34	-496.33	2106.36	2.30	94	2132.89	346.54	149.1
140	12178	90.48	356.91	10306.12	2169.29	-498.87	2201.22	3.29	95	2225.91	347.05	149.1
141	12272	89.78	356.01	10305.90	2263.11	-504.67	2295.21	1.21	94	2318.69	347.43	149.1
142	12366	89.89	355.92	10306.17	2356.87	-511.29	2389.21	0.15	94	2411.69	347.76	156.3
143	12460	90.03	355.77	10306.24	2450.63	-518.10	2483.21	0.22	94	2504.79	348.06	156.3
144	12554	90.64	355.72	10305.69	2544.36	-525.07	2577.21	0.65	94	2597.98	348.34	149.1
145	12648	88.74	355.44	10306.20	2638.08	-532.32	2671.20	2.04	94	2691.25	348.59	156.3
146	12742	88.63	355.53	10308.36	2731.76	-539.71	2765.18	0.15	94	2784.57	348.82	156.3
147	12836	89.05	355.16	10310.26	2825.43	-547.34	2859.15	0.60	94	2877.96	349.04	156.3
148	12931	88.63	357.09	10312.18	2920.19	-553.76	2954.13	2.08	95	2972.23	349.26	156.3
149	13025	88.57	359.41	10314.48	3014.11	-556.63	3047.99	2.47	94	3065.08	349.54	156.3
150	13119	90.03	359.52	10315.63	3108.10	-557.51	3141.77	1.56	94	3157.70	349.83	149.1
151	13213	90.83	358.19	10314.92	3202.08	-559.38	3235.61	1.65	94	3250.57	350.09	156.3
152	13307	89.55	0.26	10314.61	3296.06	-560.66	3329.41	2.59	94	3343.40	350.35	156.3
153	13401	90	359.97	10314.98	3390.06	-560.47	3423.12	0.57	94	3436.08	350.61	149.1
154	13496	88.96	0.92	10315.84	3485.05	-559.73	3517.77	1.48	95	3529.71	350.88	156.3

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	CD	CA	Temp
155	13590	90.14	1.26	10316.58	3579.03	-557.94	3611.33	1.31	94	3622.26	351.14	156.3
156	13684	89.66	0.46	10316.74	3673.02	-556.53	3704.93	0.99	94	3714.94	351.38	156.3
157	13779	90.28	359.72	10316.79	3768.01	-556.38	3799.64	1.02	95	3808.87	351.60	156.3
158	13873	87.95	359.3	10318.24	3861.99	-557.19	3893.40	2.52	94	3901.98	351.79	156.3
159	13967	88.54	359.75	10321.12	3955.94	-557.96	3987.14	0.79	94	3995.10	351.97	149.1
160	14062	89.24	359.93	10322.96	4050.93	-558.23	4081.86	0.76	95	4089.21	352.15	149.1
161	14156	89.69	359.54	10323.84	4144.92	-558.66	4175.61	0.63	94	4182.40	352.32	156.3
162	14250	90.14	0	10323.98	4238.92	-559.04	4269.36	0.68	94	4275.62	352.49	156.3
163	14344	90.56	0.05	10323.41	4332.92	-559.00	4363.07	0.45	94	4368.83	352.65	156.3
164	14439	89.47	359.73	10323.38	4427.92	-559.18	4457.80	1.20	95	4463.08	352.80	156.3
165	14533	89.64	359.52	10324.11	4521.91	-559.80	4551.57	0.29	94	4556.43	352.94	156.3
166	14627	90.5	0.1	10324.00	4615.91	-560.11	4645.31	1.10	94	4649.77	353.08	163.4
167	14723	89.63	359.75	10323.89	4711.91	-560.24	4741.04	0.98	96	4745.10	353.22	146.7
168	14817	90.24	0.19	10323.99	4805.91	-560.28	4834.76	0.80	94	4838.46	353.35	146.7
169	14912	89.01	359.84	10324.62	4900.90	-560.26	4929.47	1.35	95	4932.82	353.48	148.5
170	15006	88.84	359.48	10326.38	4994.88	-560.82	5023.22	0.42	94	5026.27	353.59	148.5
171	15100	90.02	359.22	10327.32	5088.87	-561.88	5117.01	1.29	94	5119.80	353.70	148.5
172	15194	89.36	358.61	10327.82	5182.85	-563.66	5210.85	0.96	94	5213.41	353.79	150.2
173	15289	89.27	358.17	10328.96	5277.81	-566.33	5305.73	0.47	95	5308.11	353.88	152
174	15383	88.53	357.38	10330.76	5371.72	-569.98	5399.64	1.15	94	5401.87	353.94	153.8
175	15477	89.98	357.99	10331.99	5465.63	-573.78	5493.57	1.67	94	5495.67	354.01	153.8
176	15571	90.59	359.22	10331.52	5559.60	-576.07	5587.44	1.46	94	5589.36	354.08	153.8
177	15666	91.3	358.87	10329.95	5654.57	-577.65	5682.25	0.83	95	5684.00	354.17	153.8
178	15760	91.78	359.22	10327.43	5748.53	-579.22	5776.04	0.63	94	5777.63	354.25	153.8
179	15854	89.71	0.1	10326.20	5842.51	-579.77	5869.79	2.39	94	5871.21	354.33	155.5
180	15948	89.98	359.75	10326.46	5936.51	-579.90	5963.52	0.47	94	5964.76	354.42	157.3
181	16043	88.26	1.24	10327.92	6031.49	-579.08	6058.16	2.40	95	6059.22	354.52	157.3
182	16137	89.58	1.95	10329.69	6125.43	-576.46	6151.62	1.59	94	6152.50	354.62	159.1
183	16231	90.11	1.59	10329.94	6219.39	-573.56	6245.08	0.68	94	6245.78	354.73	159.1
184	16325	88.57	1.51	10331.03	6313.34	-571.01	6338.56	1.64	94	6339.11	354.83	159.1
185	16419	89.58	1.24	10332.54	6407.30	-568.76	6432.07	1.11	94	6432.50	354.93	160.8
186	16514	89.58	1.07	10333.24	6502.28	-566.84	6526.62	0.18	95	6526.94	355.02	160.8
187	16608	91.47	0.8	10332.38	6596.26	-565.31	6620.20	2.03	94	6620.44	355.10	162.6
188	16702	90.02	358.17	10331.16	6690.24	-566.15	6713.96	3.19	94	6714.15	355.16	160.8
189	16796	89.23	357.46	10331.77	6784.17	-569.74	6807.89	1.13	94	6808.05	355.20	162.6
190	16891	89.45	357.64	10332.87	6879.07	-573.80	6902.83	0.30	95	6902.96	355.23	162.6
191	16985	89.45	359.31	10333.77	6973.03	-576.30	6996.70	1.78	94	6996.81	355.28	162.6
192	17080	89.8	358.25	10334.39	7068.01	-578.32	7091.55	1.18	95	7091.63	355.32	162.6
193	17174	89.1	358.96	10335.29	7161.97	-580.61	7185.41	1.06	94	7185.47	355.37	162.6
194	17269	89.36	359.48	10336.57	7256.96	-581.90	7280.21	0.61	95	7280.25	355.42	162.6

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	CL	CD	CA	Temp
195	17363	90.77	359.92	10336.46	7350.95	-582.40	7373.97	1.57	94	7373.99	355.47	162.6
196	17457	91.08	359.05	10334.94	7444.93	-583.24	7467.74	0.98	94	7467.74	355.52	164.4
197	17551	91.12	0.19	10333.14	7538.91	-583.86	7561.49	1.21	94	7561.49	355.57	162.6
198	17645	89.89	0.1	10332.31	7632.91	-583.63	7655.19	1.31	94	7655.19	355.63	162.6
199	17740	88.88	358.17	10333.33	7727.89	-585.06	7749.99	2.29	95	7750.00	355.67	164.4
200	17799	88.4	357.73	10334.73	7786.83	-587.17	7808.93	1.10	59	7808.94	355.69	164.4
PTB	17850	88.4	357.73	10336.16	7837.77	-589.19	7859.87	0.00	51	7859.88	355.70	