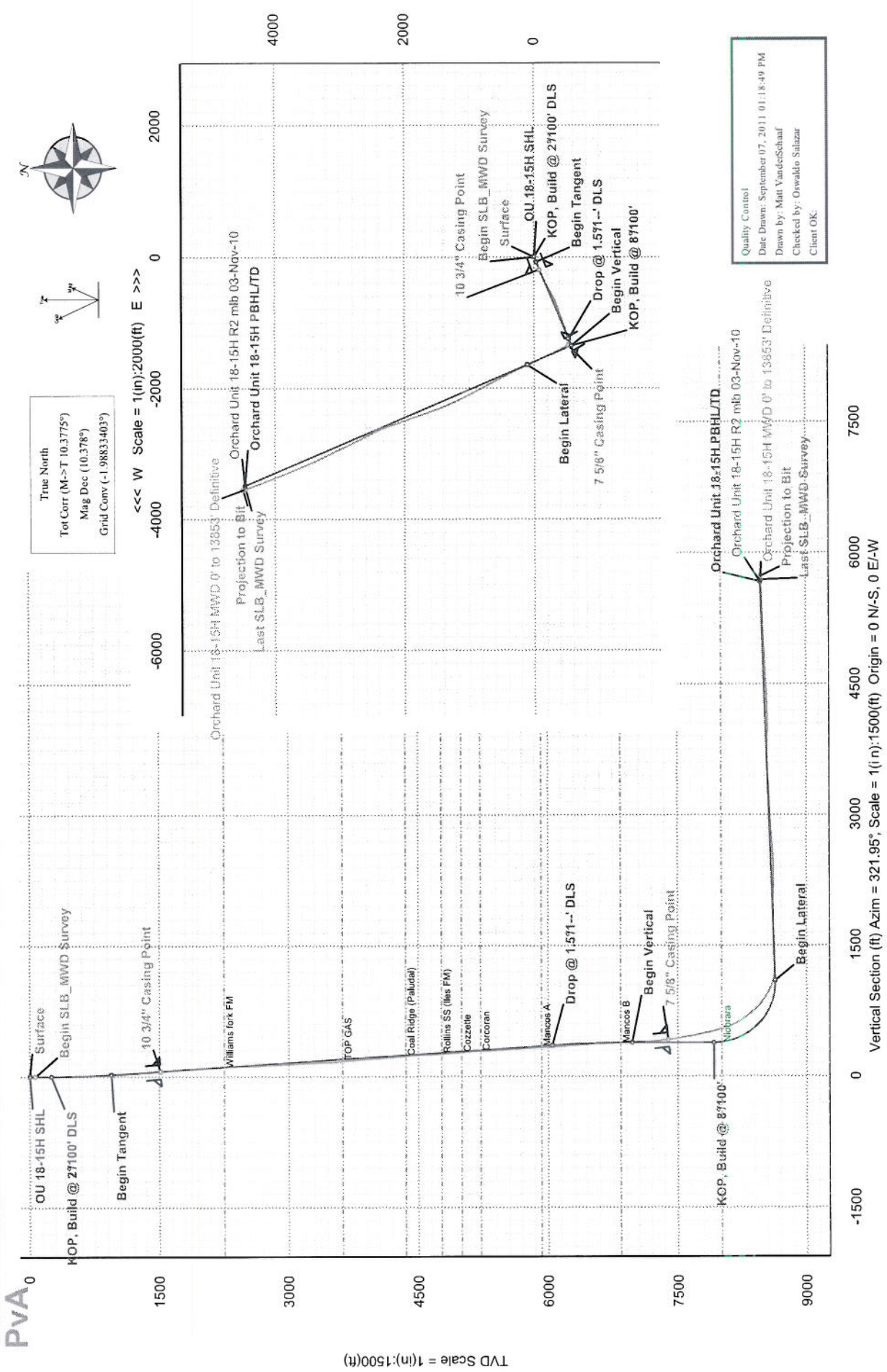


WELL	FIELD	STRUCTURE
Orchard Unit 18-15H	CO, Mesa County (NAD 83 UTM 13)	Encana 20-08S-96W (K200U Pad)

Magnetic Parameters Epoch 2011	Date FS	Survey Location N 29 10 54.906 W 108 6 6.750	NAD83 UTM Zone 13N US Feet Northing Easting 1429857.48 NUS 75314.19 UUS	Grid Conv: -1.9833403° Scale Factor: 1.00049926	Microbarometer SN: 15853 Plan: MWD 0' to 13853' Definitive	TYD Ref: R401952R (NOVA REL) Survey Date: September 07, 2011
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Orchard Unit 18-15H (K20OU)**API #: 05077101120000**

Depth	Angle	Direction	TVD	Northings	Eastings	Vertical Secti	Dog Leg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22.00	0.10	48.47	22.00	0.01	0.01	0.01	0.46
63.00	0.29	48.47	63.00	0.11	0.12	0.11	0.46
101.00	0.43	8.97	101.00	0.31	0.21	0.31	0.73
134.00	0.50	352.45	134.00	0.58	0.21	0.58	0.46
165.00	0.49	339.64	165.00	0.83	0.15	0.83	0.36
201.00	0.39	346.59	201.00	1.10	0.07	1.10	0.31
230.00	0.37	330.43	230.00	1.27	0.00	1.27	0.37
260.00	0.44	308.63	259.99	1.43	-0.14	1.43	0.56
290.00	0.55	298.65	289.99	1.57	-0.36	1.57	0.46
325.00	0.74	288.96	324.99	1.73	-0.72	1.73	0.62
355.00	1.10	284.88	354.99	1.86	-1.18	1.86	1.22
381.00	1.28	274.62	380.98	1.95	-1.71	1.95	1.07
413.00	1.64	269.88	412.97	1.98	-2.52	1.98	1.19
441.00	2.00	268.73	440.96	1.97	-3.41	1.97	1.29
469.00	2.15	266.69	468.94	1.93	-4.42	1.93	0.60
501.00	2.39	261.70	500.91	1.79	-5.68	1.79	0.97
531.00	2.78	258.14	530.88	1.55	-7.02	1.55	1.41
559.00	3.22	248.36	558.84	1.12	-8.41	1.12	2.41
650.00	4.85	244.70	649.62	-1.46	-14.26	-1.46	1.81
741.00	6.51	243.47	740.17	-5.41	-22.36	-5.41	1.83
830.00	8.76	243.49	828.37	-10.69	-32.94	-10.69	2.53
922.00	11.21	245.16	918.97	-17.57	-47.32	-17.57	2.68
1013.00	13.43	245.53	1007.87	-25.67	-64.97	-25.67	2.44
1106.00	15.17	245.78	1097.99	-35.13	-85.90	-35.13	1.87
1200.00	16.19	246.69	1188.49	-45.37	-109.15	-45.37	1.12
1295.00	16.04	246.89	1279.75	-55.76	-133.39	-55.76	0.17
1388.00	16.27	248.35	1369.08	-65.61	-157.31	-65.61	0.50
1480.00	16.22	248.91	1457.41	-74.99	-181.28	-74.99	0.18
1495.00	16.34	249.07	1471.81	-76.49	-185.21	-76.49	0.85
1535.00	16.18	248.93	1510.21	-80.51	-195.66	-80.51	0.42
1594.00	15.94	248.71	1566.90	-86.40	-210.88	-86.40	0.42
1692.00	15.45	248.90	1661.25	-95.99	-235.60	-95.99	0.50
1785.00	14.84	249.12	1751.02	-104.69	-258.28	-104.69	0.66
1879.00	15.24	244.50	1841.80	-114.30	-280.68	-114.30	1.34
1972.00	15.29	245.28	1931.52	-124.69	-302.85	-124.69	0.23
2066.00	14.87	244.68	2022.28	-135.03	-325.01	-135.03	0.48
2159.00	14.26	244.80	2112.30	-145.02	-346.16	-145.02	0.66
2252.00	13.66	243.95	2202.55	-154.71	-366.39	-154.71	0.68
2346.00	13.49	240.54	2293.92	-164.98	-385.91	-164.98	0.87
2440.00	14.52	239.86	2385.13	-176.29	-405.65	-176.29	1.11
2533.00	14.98	239.09	2475.06	-188.32	-426.04	-188.32	0.54
2626.00	15.92	240.35	2564.70	-200.80	-447.44	-200.80	1.07
2720.00	16.65	241.96	2654.93	-213.51	-470.53	-213.51	0.91
2813.00	15.96	240.49	2744.19	-226.07	-493.42	-226.07	0.86
2907.00	15.40	240.86	2834.69	-238.52	-515.57	-238.52	0.61
3000.00	16.54	240.04	2924.10	-251.14	-537.82	-251.14	1.25
3093.00	17.07	240.56	3013.13	-264.46	-561.18	-264.46	0.59
3186.00	16.99	243.66	3102.05	-277.20	-585.24	-277.20	0.98

3280.00	15.76	242.52	3192.24	-289.18	-608.88	-289.18	1.35
3373.00	15.64	238.01	3281.77	-301.65	-630.72	-301.65	1.32
3466.00	15.61	242.27	3371.34	-314.12	-652.42	-314.12	1.23
3560.00	14.84	249.07	3462.05	-324.30	-674.86	-324.30	2.07
3654.00	14.16	248.14	3553.05	-332.88	-696.78	-332.88	0.76
3747.00	13.47	250.35	3643.36	-340.76	-717.54	-340.76	0.93
3841.00	14.13	250.92	3734.65	-348.19	-738.69	-348.19	0.72
3934.00	13.41	251.16	3824.97	-355.39	-759.63	-355.39	0.78
4028.00	12.64	250.42	3916.55	-362.35	-779.63	-362.35	0.84
4121.00	13.93	251.10	4007.06	-369.39	-799.81	-369.39	1.40
4213.00	13.70	252.10	4096.40	-376.33	-820.66	-376.33	0.36
4307.00	13.14	252.41	4187.84	-382.98	-841.43	-382.98	0.60
4400.00	12.56	252.68	4278.51	-389.18	-861.16	-389.18	0.63
4494.00	11.81	250.74	4370.39	-395.40	-880.00	-395.40	0.91
4587.00	11.12	250.16	4461.53	-401.58	-897.42	-401.58	0.75
4680.00	10.43	251.26	4552.89	-407.33	-913.83	-407.33	0.77
4773.00	10.10	246.32	4644.40	-413.31	-929.27	-413.31	1.01
4867.00	11.32	248.49	4736.77	-420.00	-945.40	-420.00	1.37
4960.00	12.83	249.03	4827.71	-427.04	-963.54	-427.04	1.63
5054.00	14.14	250.07	4919.11	-434.69	-984.08	-434.69	1.42
5147.00	14.50	251.87	5009.22	-442.19	-1005.82	-442.19	0.62
5240.00	13.01	252.58	5099.55	-448.95	-1026.88	-448.95	1.61
5334.00	12.43	245.35	5191.25	-456.33	-1046.17	-456.33	1.80
5427.00	12.00	245.88	5282.15	-464.46	-1064.09	-464.46	0.48
5520.00	10.72	247.60	5373.32	-471.71	-1080.91	-471.71	1.42
5614.00	10.94	250.79	5465.65	-477.97	-1097.42	-477.97	0.68
5707.00	10.51	253.46	5557.03	-483.29	-1113.88	-483.29	0.71
5801.00	11.51	251.52	5649.29	-488.70	-1130.99	-488.70	1.13
5894.00	11.92	246.38	5740.36	-495.49	-1148.59	-495.49	1.21
5988.00	10.65	247.85	5832.54	-502.66	-1165.53	-502.66	1.39
6081.00	10.32	248.11	5923.99	-509.00	-1181.22	-509.00	0.36
6174.00	10.57	249.50	6015.45	-515.10	-1196.94	-515.10	0.38
6268.00	10.76	253.72	6107.82	-520.58	-1213.44	-520.58	0.85
6361.00	10.93	253.78	6199.16	-525.47	-1230.24	-525.47	0.18
6454.00	10.31	257.86	6290.57	-529.69	-1246.84	-529.69	1.05
6548.00	9.66	254.24	6383.15	-533.60	-1262.66	-533.60	0.96
6641.00	9.02	257.22	6474.91	-537.33	-1277.28	-537.33	0.86
6734.00	8.14	256.48	6566.87	-540.48	-1290.79	-540.48	0.95
6827.00	6.50	254.54	6659.11	-543.42	-1302.26	-543.42	1.78
6920.00	5.19	253.48	6751.63	-546.02	-1311.37	-546.02	1.41
7014.00	4.20	265.44	6845.31	-547.51	-1318.88	-547.51	1.48
7107.00	2.99	280.03	6938.13	-547.35	-1324.66	-547.35	1.62
7201.00	2.59	281.46	7032.02	-546.51	-1329.16	-546.51	0.43
7294.00	3.03	304.74	7124.91	-544.69	-1333.24	-544.69	1.30
7387.00	4.58	322.49	7217.70	-540.34	-1337.52	-540.34	2.07
7480.00	5.72	328.47	7310.33	-533.44	-1342.20	-533.44	1.35
7530.00	6.34	330.21	7360.05	-528.92	-1344.88	-528.92	1.29
7560.00	6.70	330.76	7389.86	-525.96	-1346.55	-525.96	1.21
7583.00	6.97	331.15	7412.69	-523.57	-1347.88	-523.57	1.21
7678.00	10.84	333.40	7506.53	-510.53	-1354.67	-510.53	4.09
7709.00	10.95	332.24	7536.97	-505.32	-1357.34	-505.32	0.79
7773.00	10.12	328.79	7599.89	-495.13	-1363.09	-495.13	1.63

7804.00	10.22	328.32	7630.41	-490.46	-1365.94	-490.46	0.42
7867.00	10.77	331.11	7692.35	-480.55	-1371.72	-480.55	1.19
7899.00	10.99	328.69	7723.78	-475.32	-1374.75	-475.32	1.58
7962.00	11.95	329.07	7785.52	-464.60	-1381.23	-464.60	1.53
8057.00	13.50	328.85	7878.18	-446.67	-1392.02	-446.67	1.63
8150.00	15.24	329.31	7968.27	-426.87	-1403.87	-426.87	1.87
8176.00	15.60	330.44	7993.33	-420.89	-1407.34	-420.89	1.80
8213.00	16.66	331.70	8028.88	-411.89	-1412.31	-411.89	3.02
8244.00	18.93	331.44	8058.39	-403.56	-1416.82	-403.56	7.33
8276.00	21.38	333.15	8088.43	-393.80	-1421.94	-393.80	7.87
8307.00	23.17	334.82	8117.12	-383.23	-1427.08	-383.23	6.12
8339.00	25.68	336.80	8146.25	-371.16	-1432.50	-371.16	8.25
8370.00	29.40	337.12	8173.73	-357.97	-1438.10	-357.97	12.01
8402.00	31.64	335.99	8201.30	-343.07	-1444.57	-343.07	7.23
8434.00	33.61	334.44	8228.25	-327.41	-1451.81	-327.41	6.69
8465.00	35.80	334.82	8253.73	-311.46	-1459.37	-311.46	7.10
8497.00	36.80	335.21	8279.52	-294.29	-1467.37	-294.29	3.21
8529.00	37.53	335.05	8305.02	-276.75	-1475.50	-276.75	2.30
8560.00	38.55	335.73	8329.44	-259.38	-1483.45	-259.38	3.56
8592.00	40.02	337.13	8354.20	-240.81	-1491.55	-240.81	5.36
8624.00	41.67	336.86	8378.41	-221.55	-1499.73	-221.55	5.19
8655.00	42.54	336.41	8401.41	-202.47	-1507.98	-202.47	2.97
8687.00	45.18	336.25	8424.48	-182.16	-1516.88	-182.16	8.26
8719.00	48.35	336.04	8446.40	-160.85	-1526.31	-160.85	9.92
8750.00	52.19	334.32	8466.21	-139.22	-1536.32	-139.22	13.10
8782.00	54.31	334.02	8485.35	-116.14	-1547.49	-116.14	6.67
8813.00	55.21	333.03	8503.24	-93.48	-1558.78	-93.48	3.90
8845.00	57.22	332.63	8521.03	-69.82	-1570.92	-69.82	6.37
8877.00	58.54	332.64	8538.05	-45.75	-1583.38	-45.75	4.13
8908.00	61.18	332.89	8553.61	-21.91	-1595.65	-21.91	8.54
8940.00	64.45	334.08	8568.23	3.56	-1608.35	3.56	10.74
8972.00	67.36	335.78	8581.29	30.01	-1620.72	30.01	10.31
9003.00	70.64	337.00	8592.40	56.53	-1632.31	56.53	11.20
9035.00	73.39	337.71	8602.28	84.62	-1644.02	84.62	8.85
9066.00	77.07	337.45	8610.18	112.32	-1655.46	112.32	11.90
9098.00	79.10	337.77	8616.79	141.27	-1667.38	141.27	6.42
9130.00	81.43	337.54	8622.20	170.44	-1679.37	170.44	7.32
9160.00	85.05	336.96	8625.73	197.91	-1690.89	197.91	12.22
9193.00	89.48	335.91	8627.31	228.11	-1704.07	228.11	13.80
9225.00	91.13	334.73	8627.14	257.19	-1717.43	257.19	6.34
9266.00	92.13	333.54	8625.97	294.06	-1735.30	294.06	3.79
9298.00	91.99	333.23	8624.82	322.66	-1749.63	322.66	1.06
9393.00	91.72	332.62	8621.74	407.20	-1792.85	407.20	0.70
9486.00	91.65	332.57	8619.01	489.73	-1835.64	489.73	0.09
9581.00	91.14	332.17	8616.70	573.87	-1879.68	573.87	0.68
9676.00	91.00	332.57	8614.92	658.02	-1923.73	658.02	0.45
9771.00	90.86	332.44	8613.38	742.28	-1967.58	742.28	0.20
9866.00	90.72	333.03	8612.07	826.71	-2011.10	826.71	0.64
9961.00	89.31	332.46	8612.05	911.17	-2054.60	911.17	1.60
10056.00	88.83	333.21	8613.59	995.67	-2097.97	995.67	0.94
10151.00	88.80	333.62	8615.55	1080.61	-2140.47	1080.61	0.43
10233.00	89.00	335.59	8617.13	1154.67	-2175.63	1154.67	2.41

10328.00	90.38	336.12	8617.64	1241.36	-2214.49	1241.36	1.56
10423.00	91.99	335.71	8615.68	1328.06	-2253.25	1328.06	1.75
10518.00	93.47	338.87	8611.15	1415.58	-2289.88	1415.58	3.67
10613.00	94.54	340.43	8604.52	1504.43	-2322.83	1504.43	1.99
10708.00	94.96	339.47	8596.65	1593.37	-2355.29	1593.37	1.10
10802.00	94.09	339.88	8589.23	1681.24	-2387.84	1681.24	1.02
10897.00	93.57	341.45	8582.89	1770.68	-2419.22	1770.68	1.74
10992.00	92.82	341.44	8577.59	1860.60	-2449.40	1860.60	0.79
11087.00	93.40	340.94	8572.44	1950.39	-2479.99	1950.39	0.81
11182.00	92.44	341.31	8567.60	2040.17	-2510.68	2040.17	1.08
11277.00	93.51	341.23	8562.67	2130.01	-2541.15	2130.01	1.13
11371.00	92.85	340.56	8557.45	2218.70	-2571.86	2218.70	1.00
11466.00	93.13	338.93	8552.50	2307.70	-2604.71	2307.70	1.74
11561.00	92.54	336.24	8547.80	2395.40	-2640.89	2395.40	2.90
11656.00	91.30	334.48	8544.61	2481.70	-2680.47	2481.70	2.27
11752.00	88.90	332.54	8544.45	2567.61	-2723.28	2567.61	3.21
11847.00	88.97	333.58	8546.21	2652.29	-2766.32	2652.29	1.10
11942.00	89.31	334.24	8547.64	2737.60	-2808.09	2737.60	0.78
12037.00	89.27	333.41	8548.82	2822.85	-2849.99	2822.85	0.87
12131.00	90.13	334.82	8549.31	2907.41	-2891.03	2907.41	1.76
12226.00	90.99	334.88	8548.38	2993.40	-2931.40	2993.40	0.91
12321.00	91.95	334.65	8545.94	3079.31	-2971.89	3079.31	1.04
12416.00	92.36	333.77	8542.37	3164.78	-3013.19	3164.78	1.02
12511.00	93.16	334.23	8537.80	3250.07	-3054.79	3250.07	0.97
12606.00	94.05	335.31	8531.82	3335.83	-3095.20	3335.83	1.47
12701.00	93.26	337.02	8525.77	3422.55	-3133.51	3422.55	1.98
12795.00	92.78	336.17	8520.81	3508.69	-3170.80	3508.69	1.04
12887.00	92.54	337.39	8516.54	3593.15	-3207.03	3593.15	1.35
12897.00	92.61	337.28	8516.09	3602.37	-3210.88	3602.37	1.30
12991.00	92.37	337.37	8512.01	3689.02	-3247.08	3689.02	0.27
13086.00	92.44	337.79	8508.02	3776.76	-3283.28	3776.76	0.45
13181.00	92.30	338.19	8504.10	3864.76	-3318.85	3864.76	0.45
13276.00	92.26	338.70	8500.32	3953.05	-3353.73	3953.05	0.54
13371.00	92.44	338.92	8496.42	4041.55	-3388.04	4041.55	0.30
13465.00	92.27	339.17	8492.56	4129.26	-3421.63	4129.26	0.32
13559.00	92.20	339.31	8488.89	4217.09	-3454.92	4217.09	0.17
13654.00	92.37	339.68	8485.10	4306.00	-3488.17	4306.00	0.43
13749.00	92.23	339.93	8481.29	4395.09	-3520.94	4395.09	0.30
13809.00	92.44	340.35	8478.85	4451.47	-3541.31	4451.47	0.78
13853.00	92.44	340.35	8476.97	4492.87	-3556.09	4492.87	0.00