

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

APPLICATION OF MEWBOURNE OIL  
COMPANY FOR COMPULSORY POOLING,  
EDDY COUNTY, NEW MEXICO.

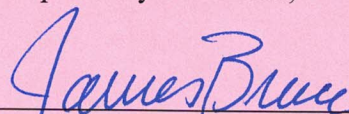
Case No. 23547

NOTICE OF FILING ADDITIONAL EXHIBITS

Mewbourne Oil Company submits for filing the following:

Exhibit 3-E, the horizontal Survey Calculation Reports for the subject wells.

Respectfully submitted,



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James Bruce  
Post Office Box 1056  
Santa Fe, New Mexico 87504  
(505) 982-2043  
*jamesbruc@aol.com*

Attorney for Mewbourne Oil Company

### Mewbourne Oil Company

SURVEY CALCULATION REPORT  
Minimum Curvature Calculations

Operator: Mewbourne Oil Company  
Lease Name: Deep Ellum 25/26 Fed Com 518H  
KOP 8471.04  
SL: 1400 FSL & 205 FEL; Sec 25/18S/31E  
PBHL: 450 FSL & 2540 FEL; Sec 26/18S/31E

Target KBTVD: 9,044 Feet 9044.00  
Target Angle: 91.28 Degrees 91.28  
Section Plane: 262.69 Degrees  
Declination Corrected to True North: 6.63 Degrees  
Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT (RADIAN)	AZIMUTH (RADIAN)
T/I	8471.04	0.00	262.69	N/A	8471.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	8471.0	573.0	1E-12	4.58 #VALUE!
1	8562.32	9.13	262.69	91.277	8561.9	7.3	-0.9	-7.2	7.3	262.7	10.0	10.0	8562.1	481.9	0.1593091	4.58 0.1593091
2	8653.60	18.26	262.69	91.277	8650.5	28.8	-3.7	-28.6	28.8	262.7	10.0	10.0	8651.2	392.8	0.3186182	4.58 0.1593091
3	8744.87	27.38	262.69	91.277	8734.6	64.2	-8.2	-63.7	64.2	262.7	10.0	10.0	8736.0	308.0	0.4779272	4.58 0.1593091
4	8836.15	36.51	262.69	91.277	8811.9	112.4	-14.3	-111.5	112.4	262.7	10.0	10.0	8814.4	229.6	0.6372363	4.58 0.1593091
5	8927.43	45.64	262.69	91.277	8880.7	172.4	-21.9	-171.0	172.4	262.7	10.0	10.0	8884.5	159.5	0.7965454	4.58 0.1593091
6	9018.71	54.77	262.69	91.277	8939.0	242.4	-30.8	-240.4	242.4	262.7	10.0	10.0	8944.4	99.6	0.9558545	4.58 0.1593091
7	9109.98	63.89	262.69	91.277	8985.5	320.8	-40.8	-318.2	320.8	262.7	10.0	10.0	8992.7	51.3	1.1151636	4.58 0.1593091
8	9201.26	73.02	262.69	91.277	9019.0	405.7	-51.6	-402.4	405.7	262.7	10.0	10.0	9028.1	15.9	1.2744726	4.58 0.1593091
9	9292.54	82.15	262.69	91.277	9038.6	494.7	-62.9	-490.7	494.7	262.7	10.0	10.0	9049.7	-5.7	1.4337817	4.58 0.1593091
10	9383.82	91.28	262.69	91.277	9043.9	585.7	-74.5	-581.0	585.7	262.7	10.0	10.0	9056.9	-12.9	1.5930908	4.58 0.1593091
11	9400.00	91.28	262.69	16.184	9043.5	601.9	-76.5	-597.0	601.9	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
12	9500.00	91.28	262.69	100	9041.3	701.9	-89.3	-696.2	701.9	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
13	9600.00	91.28	262.69	100	9039.0	801.9	-102.0	-795.4	801.9	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
14	9700.00	91.28	262.69	100	9036.8	901.8	-114.7	-894.5	901.8	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
15	9800.00	91.28	262.69	100	9034.6	1001.8	-127.4	-993.7	1001.8	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
16	9900.00	91.28	262.69	100	9032.4	1101.8	-140.1	-1092.8	1101.8	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
17	10000.00	91.28	262.69	100	9030.1	1201.8	-152.8	-1192.0	1201.8	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
18	10100.00	91.28	262.69	100	9027.9	1301.7	-165.5	-1291.2	1301.7	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
19	10200.00	91.28	262.69	100	9025.7	1401.7	-178.3	-1390.3	1401.7	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
20	10300.00	91.28	262.69	100	9023.4	1501.7	-191.0	-1489.5	1501.7	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
21	10400.00	91.28	262.69	100	9021.2	1601.7	-203.7	-1588.7	1601.7	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
22	10500.00	91.28	262.69	100	9019.0	1701.6	-216.4	-1687.8	1701.6	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
23	10600.00	91.28	262.69	100	9016.7	1801.6	-229.1	-1787.0	1801.6	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
24	10700.00	91.28	262.69	100	9014.5	1901.6	-241.8	-1886.1	1901.6	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
25	10800.00	91.28	262.69	100	9012.3	2001.6	-254.5	-1985.3	2001.6	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
26	10900.00	91.28	262.69	100	9010.1	2101.5	-267.3	-2084.5	2101.5	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
27	11000.00	91.28	262.69	100	9007.8	2201.5	-280.0	-2183.6	2201.5	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
28	11100.00	91.28	262.69	100	9005.6	2301.5	-292.7	-2282.8	2301.5	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
29	11200.00	91.28	262.69	100	9003.4	2401.5	-305.4	-2382.0	2401.5	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
30	11300.00	91.28	262.69	100	9001.1	2501.4	-318.1	-2481.1	2501.4	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
31	11400.00	91.28	262.69	100	8998.9	2601.4	-330.8	-2580.3	2601.4	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
32	11500.00	91.28	262.69	100	8996.7	2701.4	-343.5	-2679.5	2701.4	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
33	11600.00	91.28	262.69	100	8994.5	2801.4	-356.3	-2778.6	2801.4	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
34	11700.00	91.28	262.69	100	8992.2	2901.3	-369.0	-2877.8	2901.3	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
35	11800.00	91.28	262.69	100	8990.0	3001.3	-381.7	-2976.9	3001.3	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
36	11900.00	91.28	262.69	100	8987.8	3101.3	-394.4	-3076.1	3101.3	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
37	12000.00	91.28	262.69	100	8985.5	3201.3	-407.1	-3175.3	3201.3	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
38	12100.00	91.28	262.69	100	8983.3	3301.2	-419.8	-3274.4	3301.2	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
39	12200.00	91.28	262.69	100	8981.1	3401.2	-432.5	-3373.6	3401.2	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
40	12300.00	91.28	262.69	100	8978.8	3501.2	-445.3	-3472.8	3501.2	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
41	12400.00	91.28	262.69	100	8976.6	3601.2	-458.0	-3571.9	3601.2	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
42	12500.00	91.28	262.69	100	8974.4	3701.1	-470.7	-3671.1	3701.1	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
43	12600.00	91.28	262.69	100	8972.2	3801.1	-483.4	-3770.3	3801.1	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
44	12700.00	91.28	262.69	100	8969.9	3901.1	-496.1	-3869.4	3901.1	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
45	12800.00	91.28	262.69	100	8967.7	4001.1	-508.8	-3968.6	4001.1	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
46	12900.00	91.28	262.69	100	8965.5	4101.0	-521.5	-4067.7	4101.0	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
47	13000.00	91.28	262.69	100	8963.2	4201.0	-534.3	-4166.9	4201.0	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
48	13100.00	91.28	262.69	100	8961.0	4301.0	-547.0	-4266.1	4301.0	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
49	13200.00	91.28	262.69	100	8958.8	4401.0	-559.7	-4365.2	4401.0	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
50	13300.00	91.28	262.69	100	8956.6	4500.9	-572.4	-4464.4	4500.9	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
51	13400.00	91.28	262.69	100	8954.3	4600.9	-585.1	-4563.6	4600.9	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
52	13500.00	91.28	262.69	100	8952.1	4700.9	-597.8	-4662.7	4700.9	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
53	13600.00	91.28	262.69	100	8949.9	4800.9	-610.5	-4761.9	4800.9	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
54	13700.00	91.28	262.69	100	8947.6	4900.8	-623.3	-4861.1	4900.8	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
55	13800.00	91.28	262.69	100	8945.4	5000.8	-636.0	-4960.2	5000.8	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10
56	13900.00	91.28	262.69	100	8943.2	5100.8	-648.7	-5059.4	5100.8	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58 1E-10

EXHIBIT 3-E

57	14000.00	91.28	262.69	100	8941.0	5200.8	-661.4	-5158.5	5200.8	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
58	14100.00	91.28	262.69	100	8938.7	5300.7	-674.1	-5257.7	5300.7	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
59	14200.00	91.28	262.69	100	8936.5	5400.7	-686.8	-5356.9	5400.7	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
60	14300.00	91.28	262.69	100	8934.3	5500.7	-699.5	-5456.0	5500.7	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
61	14400.00	91.28	262.69	100	8932.0	5600.7	-712.2	-5555.2	5600.7	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
62	14500.00	91.28	262.69	100	8929.8	5700.6	-725.0	-5654.4	5700.6	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
63	14600.00	91.28	262.69	100	8927.6	5800.6	-737.7	-5753.5	5800.6	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
64	14700.00	91.28	262.69	100	8925.3	5900.6	-750.4	-5852.7	5900.6	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
65	14800.00	91.28	262.69	100	8923.1	6000.6	-763.1	-5951.8	6000.6	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
66	14900.00	91.28	262.69	100	8920.9	6100.5	-775.8	-6051.0	6100.5	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
67	15000.00	91.28	262.69	100	8918.7	6200.5	-788.5	-6150.2	6200.5	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
68	15100.00	91.28	262.69	100	8916.4	6300.5	-801.2	-6249.3	6300.5	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
69	15200.00	91.28	262.69	100	8914.2	6400.5	-814.0	-6348.5	6400.5	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
70	15300.00	91.28	262.69	100	8912.0	6500.4	-826.7	-6447.7	6500.4	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
71	15400.00	91.28	262.69	100	8909.7	6600.4	-839.4	-6546.8	6600.4	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
72	15500.00	91.28	262.69	100	8907.5	6700.4	-852.1	-6646.0	6700.4	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
73	15600.00	91.28	262.69	100	8905.3	6800.4	-864.8	-6745.2	6800.4	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
74	15700.00	91.28	262.69	100	8903.1	6900.3	-877.5	-6844.3	6900.3	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
75	15800.00	91.28	262.69	100	8900.8	7000.3	-890.2	-6943.5	7000.3	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
76	15900.00	91.28	262.69	100	8898.6	7100.3	-903.0	-7042.6	7100.3	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
77	16000.00	91.28	262.69	100	8896.4	7200.3	-915.7	-7141.8	7200.3	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
78	16100.00	91.28	262.69	100	8894.1	7300.2	-928.4	-7241.0	7300.2	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
79	16200.00	91.28	262.69	100	8891.9	7400.2	-941.1	-7340.1	7400.2	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
80	16300.00	91.28	262.69	100	8889.7	7500.2	-953.8	-7439.3	7500.2	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
81	16400.00	91.28	262.69	100	8887.4	7600.2	-966.5	-7538.5	7600.2	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
82	16456.83	91.28	262.69	56.83	8886.2	7657.0	-973.8	-7594.8	7657.0	262.7	0.0	0.0	9056.9	-12.9	1.5930908	4.58	1E-10
83	16456.83	91.28	262.69	0	8886.2	7657.0	-973.8	-7594.8	7657.0	262.7	#####	#####	9056.9	-12.9	1.5930908	4.58	1E-10

### Mewbourne Oil Company

SURVEY CALCULATION REPORT  
Minimum Curvature Calculations

Operator: Mewbourne Oil Company  
Lease Name: Deep Ellum 25/26 Fed Com 618H  
KOP 9354.04  
SL: 1420 FSL & 205 FEL; Sec 25/18S/31E  
PBHL: 450 FSL & 2540 FEL; Sec 26/18S/31E

Target KBTVD: 9,927 Feet 9927.00  
Target Angle: 91.66 Degrees 91.66  
Section Plane: 262.55 Degrees  
Declination Corrected to True North: 6.63 Degrees  
Bit to Survey Offset: 44 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT (RADIAN)	AZIMUTH (RADIAN)
T/I	9354.04	0.00	262.55	N/A	9354.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	9354.0	573.0	1E-12	4.58 #VALUE!
1	9445.70	9.17	262.55	91.657	9445.3	7.3	-0.9	-7.3	7.3	262.5	10.0	10.0	9445.5	481.5	0.1599709	4.58 0.1599709
2	9537.36	18.33	262.55	91.657	9534.2	29.1	-3.8	-28.8	29.1	262.5	10.0	10.0	9535.1	391.9	0.3199418	4.58 0.1599709
3	9629.01	27.50	262.55	91.657	9618.6	64.7	-8.4	-64.2	64.7	262.5	10.0	10.0	9620.4	306.6	0.4799127	4.58 0.1599709
4	9720.67	36.66	262.55	91.657	9696.2	113.4	-14.7	-112.4	113.4	262.5	10.0	10.0	9699.4	227.6	0.6398836	4.58 0.1599709
5	9812.33	45.83	262.55	91.657	9765.0	173.7	-22.5	-172.2	173.7	262.5	10.0	10.0	9770.0	157.0	0.7998545	4.58 0.1599709
6	9903.98	54.99	262.55	91.657	9823.3	244.3	-31.7	-242.2	244.3	262.5	10.0	10.0	9830.4	96.6	0.9598254	4.58 0.1599709
7	9995.64	64.16	262.55	91.657	9869.7	323.2	-41.9	-320.5	323.2	262.5	10.0	10.0	9879.1	47.9	1.1197963	4.58 0.1599709
8	10087.29	73.33	262.55	91.657	9902.9	408.6	-53.0	-405.1	408.6	262.5	10.0	10.0	9914.7	12.3	1.2797671	4.58 0.1599709
9	10178.95	82.49	262.55	91.657	9922.1	498.1	-64.6	-493.9	498.1	262.5	10.0	10.0	9936.5	-9.5	1.439738	4.58 0.1599709
10	10270.61	91.66	262.55	91.657	9926.8	589.5	-76.5	-584.5	589.5	262.5	10.0	10.0	9943.8	-16.8	1.5997089	4.58 0.1599709
11	10300.00	91.66	262.55	29.392	9925.9	618.9	-80.3	-613.7	618.9	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
12	10400.00	91.66	262.55	100	9923.0	718.9	-93.3	-712.8	718.9	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
13	10500.00	91.66	262.55	100	9920.1	818.8	-106.2	-811.9	818.8	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
14	10600.00	91.66	262.55	100	9917.2	918.8	-119.2	-911.0	918.8	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
15	10700.00	91.66	262.55	100	9914.3	1018.7	-132.2	-1010.1	1018.7	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
16	10800.00	91.66	262.55	100	9911.5	1118.7	-145.1	-1109.2	1118.7	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
17	10900.00	91.66	262.55	100	9908.6	1218.7	-158.1	-1208.4	1218.7	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
18	11000.00	91.66	262.55	100	9905.7	1318.6	-171.1	-1307.5	1318.6	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
19	11100.00	91.66	262.55	100	9902.8	1418.6	-184.0	-1406.6	1418.6	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
20	11200.00	91.66	262.55	100	9899.9	1518.5	-197.0	-1505.7	1518.5	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
21	11300.00	91.66	262.55	100	9897.0	1618.5	-210.0	-1604.8	1618.5	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
22	11400.00	91.66	262.55	100	9894.1	1718.4	-223.0	-1703.9	1718.4	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
23	11500.00	91.66	262.55	100	9891.2	1818.4	-235.9	-1803.0	1818.4	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
24	11600.00	91.66	262.55	100	9888.3	1918.4	-248.9	-1902.1	1918.4	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
25	11700.00	91.66	262.55	100	9885.4	2018.3	-261.9	-2001.3	2018.3	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
26	11800.00	91.66	262.55	100	9882.5	2118.3	-274.8	-2100.4	2118.3	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
27	11900.00	91.66	262.55	100	9879.7	2218.2	-287.8	-2199.5	2218.2	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
28	12000.00	91.66	262.55	100	9876.8	2318.2	-300.8	-2298.6	2318.2	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
29	12100.00	91.66	262.55	100	9873.9	2418.1	-313.7	-2397.7	2418.1	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
30	12200.00	91.66	262.55	100	9871.0	2518.1	-326.7	-2496.8	2518.1	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
31	12300.00	91.66	262.55	100	9868.1	2618.1	-339.7	-2595.9	2618.1	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
32	12400.00	91.66	262.55	100	9865.2	2718.0	-352.6	-2695.1	2718.0	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
33	12500.00	91.66	262.55	100	9862.3	2818.0	-365.6	-2794.2	2818.0	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
34	12600.00	91.66	262.55	100	9859.4	2917.9	-378.6	-2893.3	2917.9	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
35	12700.00	91.66	262.55	100	9856.5	3017.9	-391.5	-2992.4	3017.9	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
36	12800.00	91.66	262.55	100	9853.6	3117.9	-404.5	-3091.5	3117.9	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
37	12900.00	91.66	262.55	100	9850.7	3217.8	-417.5	-3190.6	3217.8	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
38	13000.00	91.66	262.55	100	9847.9	3317.8	-430.5	-3289.7	3317.8	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
39	13100.00	91.66	262.55	100	9845.0	3417.7	-443.4	-3388.8	3417.7	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
40	13200.00	91.66	262.55	100	9842.1	3517.7	-456.4	-3488.0	3517.7	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
41	13300.00	91.66	262.55	100	9839.2	3617.6	-469.4	-3587.1	3617.6	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
42	13400.00	91.66	262.55	100	9836.3	3717.6	-482.3	-3686.2	3717.6	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
43	13500.00	91.66	262.55	100	9833.4	3817.6	-495.3	-3785.3	3817.6	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
44	13600.00	91.66	262.55	100	9830.5	3917.5	-508.3	-3884.4	3917.5	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
45	13700.00	91.66	262.55	100	9827.6	4017.5	-521.2	-3983.5	4017.5	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
46	13800.00	91.66	262.55	100	9824.7	4117.4	-534.2	-4082.6	4117.4	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
47	13900.00	91.66	262.55	100	9821.8	4217.4	-547.2	-4181.8	4217.4	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
48	14000.00	91.66	262.55	100	9818.9	4317.4	-560.1	-4280.9	4317.4	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
49	14100.00	91.66	262.55	100	9816.1	4417.3	-573.1	-4380.0	4417.3	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
50	14200.00	91.66	262.55	100	9813.2	4517.3	-586.1	-4479.1	4517.3	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
51	14300.00	91.66	262.55	100	9810.3	4617.2	-599.0	-4578.2	4617.2	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
52	14400.00	91.66	262.55	100	9807.4	4717.2	-612.0	-4677.3	4717.2	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
53	14500.00	91.66	262.55	100	9804.5	4817.1	-625.0	-4776.4	4817.1	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
54	14600.00	91.66	262.55	100	9801.6	4917.1	-638.0	-4875.5	4917.1	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
55	14700.00	91.66	262.55	100	9798.7	5017.1	-650.9	-4974.7	5017.1	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10
56	14800.00	91.66	262.55	100	9795.8	5117.0	-663.9	-5073.8	5117.0	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58 1E-10

57	14900.00	91.66	262.55	100	9792.9	5217.0	-676.9	-5172.9	5217.0	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
58	15000.00	91.66	262.55	100	9790.0	5316.9	-689.8	-5272.0	5316.9	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
59	15100.00	91.66	262.55	100	9787.1	5416.9	-702.8	-5371.1	5416.9	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
60	15200.00	91.66	262.55	100	9784.3	5516.9	-715.8	-5470.2	5516.9	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
61	15300.00	91.66	262.55	100	9781.4	5616.8	-728.7	-5569.3	5616.8	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
62	15400.00	91.66	262.55	100	9778.5	5716.8	-741.7	-5668.5	5716.8	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
63	15500.00	91.66	262.55	100	9775.6	5816.7	-754.7	-5767.6	5816.7	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
64	15600.00	91.66	262.55	100	9772.7	5916.7	-767.6	-5866.7	5916.7	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
65	15700.00	91.66	262.55	100	9769.8	6016.6	-780.6	-5965.8	6016.6	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
66	15800.00	91.66	262.55	100	9766.9	6116.6	-793.6	-6064.9	6116.6	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
67	15900.00	91.66	262.55	100	9764.0	6216.6	-806.5	-6164.0	6216.6	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
68	16000.00	91.66	262.55	100	9761.1	6316.5	-819.5	-6263.1	6316.5	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
69	16100.00	91.66	262.55	100	9758.2	6416.5	-832.5	-6362.2	6416.5	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
70	16200.00	91.66	262.55	100	9755.4	6516.4	-845.5	-6461.4	6516.4	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
71	16300.00	91.66	262.55	100	9752.5	6616.4	-858.4	-6560.5	6616.4	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
72	16400.00	91.66	262.55	100	9749.6	6716.4	-871.4	-6659.6	6716.4	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
73	16500.00	91.66	262.55	100	9746.7	6816.3	-884.4	-6758.7	6816.3	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
74	16600.00	91.66	262.55	100	9743.8	6916.3	-897.3	-6857.8	6916.3	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
75	16700.00	91.66	262.55	100	9740.9	7016.2	-910.3	-6956.9	7016.2	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
76	16800.00	91.66	262.55	100	9738.0	7116.2	-923.3	-7056.0	7116.2	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
77	16900.00	91.66	262.55	100	9735.1	7216.1	-936.2	-7155.2	7216.1	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
78	17000.00	91.66	262.55	100	9732.2	7316.1	-949.2	-7254.3	7316.1	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
79	17100.00	91.66	262.55	100	9729.3	7416.1	-962.2	-7353.4	7416.1	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
80	17200.00	91.66	262.55	100	9726.4	7516.0	-975.1	-7452.5	7516.0	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
81	17300.00	91.66	262.55	100	9723.6	7616.0	-988.1	-7551.6	7616.0	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
82	17342.40	91.66	262.55	42.401	9722.3	7658.4	-993.6	-7593.6	7658.4	262.5	0.0	0.0	9943.8	-16.8	1.5997089	4.58	1E-10
83	17342.40	91.66	262.55	0	9722.3	7658.4	-993.6	-7593.6	7658.4	262.5	#####	#####	9943.8	-16.8	1.5997089	4.58	1E-10