

COG

BOONE 16 STATE COM #004H

SCANQUEST

5/23/2019

This survey is correct to the best of my knowledge and is supported by actual field data.

JAKE ELGER

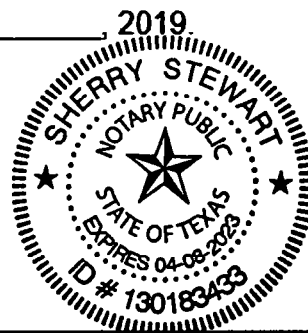
Notarized this date 07 of JUNE, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



Scientific Drilling

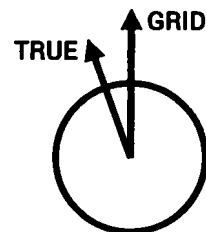
The

In Wellbore Placement

SURVEY REPORT

BOONE 16 STATE COM #004H

KEEPER GYRO SURVEY

CUSTOMER
PROJECT
FIELDCOG
Boone 16 State Com #004H
N/ASDI JOB NO.
SDI DISTRICT
SDI KIT/UNITOP.018756
Midland**SITE INFORMATION**Site Name **Boone 16 State Com #004H**
Lat/Long **32.472022° N, 103.584138° W**
Northing **536,245.8 ft**
Easting **731,051.7 ft**Section
Township
Range**MAP INFORMATION**North Reference **Grid North**
Grid Correction **-0.40 deg**
System **US State Plane 1927**
Datum **North American Datum 1927 (Clarke 1866)**
Map Zone **New Mexico East: 3001****WELL INFORMATION**Lat/Long **32.472022° N, 103.584138° W**
Northing
Easting
UWI **30-025-41022****DEPTH AND ELEVATION REFERENCE**Ground Level **-0.4 ft above Mean Sea Level**
Reference Datum **RKB**
Reference Height **30 ft above G.L.**
Reference Elevation **29.6 ft****VERTICAL SECTION REFERENCE**+N/-S **0 ft**
+E/-W **0 ft**
Proposal Direction **359.52°**
Calculation Method **Minimum Curvature****LOCAL GRAVITY REFERENCE INFORMATION**Local Gravity **998.845 mG [computed]**
True to Grid **subtract 0.4°****WELL NOTES**

Keeper Gyro Survey

OPERATORS

Troy, Troy Morgan

SDI Operator Name (Printed)

SIGNATURE

DATE

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	0.21	111.91	100.00	-0.07	-0.07	0.17	0.21	0.19	111.91
125.00	0.17	54.22	125.00	-0.07	-0.07	0.24	0.75	0.25	104.93
150.00	0.11	96.20	150.00	-0.05	-0.05	0.30	0.45	0.30	98.88
175.00	0.18	116.83	175.00	-0.07	-0.07	0.36	0.33	0.36	100.59
200.00	0.18	106.40	200.00	-0.10	-0.10	0.43	0.13	0.44	102.51
225.00	0.47	144.58	225.00	-0.19	-0.19	0.53	1.41	0.56	109.92
250.00	0.29	110.61	250.00	-0.30	-0.30	0.65	1.14	0.71	114.73
275.00	0.26	91.43	275.00	-0.33	-0.32	0.76	0.39	0.83	112.85
300.00	0.31	106.45	300.00	-0.35	-0.34	0.88	0.35	0.95	111.13
325.00	0.26	96.89	325.00	-0.38	-0.37	1.01	0.26	1.07	110.09
350.00	0.23	92.03	350.00	-0.39	-0.38	1.11	0.15	1.17	108.69
375.00	0.23	107.20	375.00	-0.40	-0.39	1.21	0.24	1.27	107.99
400.00	0.26	105.43	400.00	-0.43	-0.42	1.31	0.12	1.38	107.85
425.00	0.27	111.48	425.00	-0.47	-0.46	1.42	0.12	1.49	107.91
450.00	0.40	113.15	450.00	-0.53	-0.51	1.56	0.53	1.64	108.31
475.00	0.40	96.13	475.00	-0.57	-0.56	1.72	0.47	1.81	107.97
500.00	0.40	98.15	499.99	-0.60	-0.58	1.90	0.06	1.98	107.02
525.00	0.46	105.59	524.99	-0.64	-0.62	2.08	0.33	2.17	106.60
550.00	0.36	82.59	549.99	-0.66	-0.64	2.25	0.77	2.34	105.78
575.00	0.33	42.10	574.99	-0.59	-0.57	2.38	0.96	2.45	103.56
600.00	0.31	101.24	599.99	-0.55	-0.53	2.49	1.27	2.55	102.08
625.00	0.30	98.33	624.99	-0.58	-0.56	2.63	0.07	2.69	101.97
650.00	0.33	96.99	649.99	-0.60	-0.58	2.76	0.10	2.82	101.76
675.00	0.29	105.67	674.99	-0.63	-0.60	2.90	0.23	2.96	101.73
700.00	0.32	96.75	699.99	-0.65	-0.63	3.03	0.22	3.09	101.70
725.00	0.36	106.22	724.99	-0.68	-0.66	3.17	0.28	3.24	101.70
750.00	0.41	93.49	749.99	-0.71	-0.68	3.34	0.39	3.41	101.59
775.00	0.32	90.56	774.99	-0.72	-0.69	3.50	0.37	3.57	101.17
800.00	0.37	81.14	799.99	-0.71	-0.68	3.65	0.31	3.71	100.54
825.00	0.32	64.25	824.99	-0.67	-0.64	3.79	0.46	3.85	99.51
850.00	0.30	56.49	849.99	-0.60	-0.57	3.91	0.20	3.95	98.28

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	"/100ft	ft	deg
875.00	0.27	57.47	874.99	-0.54	-0.50	4.02	0.10	4.05	97.13
900.00	0.31	70.51	899.99	-0.48	-0.45	4.13	0.30	4.15	96.19
925.00	0.31	69.77	924.99	-0.44	-0.40	4.26	0.02	4.27	95.40
950.00	0.26	75.80	949.99	-0.40	-0.37	4.37	0.22	4.39	94.78
975.00	0.39	67.84	974.99	-0.36	-0.32	4.51	0.54	4.52	94.06
1000.00	0.47	54.60	999.99	-0.27	-0.23	4.67	0.52	4.67	92.80
1025.00	0.38	57.74	1024.99	-0.17	-0.12	4.82	0.38	4.82	91.49
1050.00	0.45	57.71	1049.98	-0.07	-0.03	4.97	0.28	4.97	90.33
1075.00	0.50	45.84	1074.98	0.06	0.10	5.13	0.44	5.14	88.88
1100.00	0.50	47.81	1099.98	0.20	0.25	5.29	0.07	5.30	87.31
1125.00	0.60	52.92	1124.98	0.35	0.40	5.48	0.43	5.49	85.82
1150.00	0.59	48.25	1149.98	0.52	0.56	5.68	0.20	5.71	84.32
1175.00	0.69	53.95	1174.98	0.69	0.74	5.89	0.47	5.94	82.86
1200.00	0.70	53.45	1199.98	0.87	0.92	6.14	0.07	6.21	81.50
1225.00	0.74	55.43	1224.98	1.05	1.10	6.39	0.16	6.49	80.24
1250.00	0.88	55.64	1249.97	1.24	1.30	6.68	0.58	6.81	79.00
1275.00	0.79	59.95	1274.97	1.44	1.49	6.99	0.42	7.15	77.94
1300.00	0.83	54.75	1299.97	1.62	1.68	7.29	0.32	7.48	76.99
1325.00	0.78	51.99	1324.97	1.83	1.89	7.57	0.24	7.80	75.96
1350.00	0.74	66.16	1349.96	2.00	2.06	7.85	0.77	8.12	75.27
1375.00	0.72	54.59	1374.96	2.15	2.22	8.13	0.60	8.43	74.72
1400.00	0.64	50.95	1399.96	2.33	2.40	8.37	0.35	8.70	73.99
1425.00	0.68	47.56	1424.96	2.52	2.59	8.58	0.20	8.97	73.22
1450.00	0.64	51.91	1449.96	2.70	2.77	8.80	0.23	9.23	72.51
1475.00	0.64	53.06	1474.95	2.87	2.94	9.03	0.06	9.49	71.93
1500.00	0.66	55.30	1499.95	3.03	3.11	9.26	0.15	9.76	71.43
1525.00	0.63	61.40	1524.95	3.18	3.26	9.50	0.30	10.04	71.06
1550.00	0.56	56.55	1549.95	3.31	3.39	9.72	0.37	10.29	70.76
1575.00	0.58	53.91	1574.95	3.45	3.53	9.92	0.14	10.53	70.40
1600.00	0.63	55.95	1599.95	3.60	3.68	10.14	0.23	10.79	70.03
1625.00	0.72	50.18	1624.95	3.78	3.86	10.37	0.46	11.07	69.58
1650.00	0.73	56.69	1649.94	3.96	4.05	10.63	0.33	11.37	69.14

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
1675.00	0.73	56.24	1674.94	4.13	4.23	10.89	0.03	11.68	68.79
1700.00	0.70	57.08	1699.94	4.30	4.40	11.15	0.15	11.99	68.48
1725.00	0.65	69.31	1724.94	4.43	4.53	11.41	0.60	12.28	68.35
1750.00	0.63	60.34	1749.94	4.55	4.65	11.67	0.41	12.56	68.27
1775.00	0.62	64.01	1774.93	4.68	4.78	11.91	0.18	12.83	68.14
1800.00	0.65	56.38	1799.93	4.81	4.91	12.15	0.36	13.10	67.97
1825.00	0.73	70.04	1824.93	4.94	5.05	12.41	0.74	13.40	67.88
1850.00	0.77	68.42	1849.93	5.06	5.16	12.72	0.16	13.73	67.91
1875.00	0.82	67.12	1874.93	5.18	5.29	13.04	0.23	14.07	67.91
1900.00	0.81	74.74	1899.92	5.30	5.41	13.38	0.44	14.43	67.98
1925.00	0.72	76.43	1924.92	5.38	5.49	13.70	0.35	14.76	68.15
1950.00	0.79	83.39	1949.92	5.43	5.55	14.02	0.46	15.08	68.41
1975.00	0.76	81.74	1974.92	5.47	5.59	14.36	0.17	15.41	68.72
2000.00	0.86	87.98	1999.92	5.50	5.62	14.71	0.53	15.75	69.08
2025.00	0.79	84.21	2024.91	5.52	5.65	15.07	0.33	16.09	69.45
2050.00	0.75	97.48	2049.91	5.52	5.64	15.40	0.74	16.41	69.88
2075.00	0.70	116.46	2074.91	5.42	5.56	15.70	0.98	16.66	70.51
2100.00	0.81	141.46	2099.91	5.22	5.35	15.95	1.38	16.82	71.46
2125.00	0.93	158.53	2124.90	4.89	5.02	16.13	1.14	16.90	72.71
2150.00	1.30	188.07	2149.90	4.42	4.55	16.17	2.68	16.80	74.28
2175.00	1.66	194.44	2174.89	3.79	3.92	16.04	1.57	16.51	76.26
2200.00	1.83	202.25	2199.88	3.07	3.20	15.80	1.18	16.12	78.54
2225.00	2.22	206.07	2224.86	2.27	2.40	15.43	1.64	15.62	81.17
2250.00	2.77	207.01	2249.84	1.30	1.42	14.94	2.20	15.01	84.56
2275.00	3.18	208.31	2274.81	0.16	0.28	14.34	1.66	14.34	88.90
2300.00	3.63	206.94	2299.76	-1.15	-1.04	13.65	1.82	13.69	94.35
2325.00	4.09	208.89	2324.70	-2.63	-2.52	12.87	1.91	13.11	101.10
2350.00	4.47	209.91	2349.64	-4.25	-4.15	11.95	1.58	12.65	109.15
2375.00	4.88	209.95	2374.55	-6.01	-5.92	10.93	1.64	12.43	118.42
2400.00	4.96	211.61	2399.46	-7.84	-7.76	9.83	0.65	12.53	128.27
2425.00	5.04	211.46	2424.36	-9.69	-9.62	8.69	0.31	12.96	137.88
2450.00	5.09	212.19	2449.27	-11.55	-11.49	7.53	0.33	13.74	146.76

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
2475.00	5.10	213.12	2474.17	-13.41	-13.36	6.33	0.33	14.79	154.64
2500.00	4.82	215.86	2499.07	-15.19	-15.14	5.11	1.47	15.98	161.35
2525.00	4.66	219.74	2523.99	-16.81	-16.77	3.85	1.43	17.21	167.09
2550.00	4.67	220.28	2548.91	-18.35	-18.33	2.54	0.18	18.51	172.12
2575.00	4.62	219.79	2573.82	-19.89	-19.88	1.24	0.25	19.92	176.44
2600.00	4.47	221.19	2598.75	-21.39	-21.39	-0.05	0.75	21.39	180.13
2625.00	3.83	227.82	2623.68	-22.67	-22.68	-1.31	3.20	22.72	183.31
2650.00	3.46	232.67	2648.63	-23.68	-23.70	-2.53	1.92	23.84	186.09
2675.00	3.29	237.06	2673.59	-24.52	-24.55	-3.73	1.25	24.83	188.64
2700.00	3.07	241.25	2698.55	-25.22	-25.26	-4.92	1.28	25.74	191.02
2725.00	2.63	249.37	2723.52	-25.73	-25.79	-6.04	2.37	26.48	193.19
2750.00	2.19	261.47	2748.49	-26.00	-26.06	-7.05	2.68	27.00	195.14
2775.00	1.98	271.95	2773.48	-26.05	-26.11	-7.96	1.75	27.30	196.94
2800.00	1.92	288.51	2798.46	-25.89	-25.97	-8.78	2.26	27.41	198.69
2825.00	1.99	307.31	2823.45	-25.49	-25.57	-9.53	2.57	27.29	200.43
2850.00	2.11	321.77	2848.43	-24.86	-24.95	-10.16	2.12	26.93	202.15
2875.00	2.42	335.11	2873.41	-24.01	-24.11	-10.66	2.45	26.36	203.86
2900.00	2.60	343.76	2898.39	-22.99	-23.08	-11.04	1.68	25.59	205.57
2925.00	2.85	349.06	2923.36	-21.83	-21.93	-11.32	1.40	24.68	207.31
2950.00	2.99	353.20	2948.33	-20.57	-20.67	-11.52	1.03	23.66	209.13
2975.00	3.42	357.21	2973.29	-19.18	-19.27	-11.63	1.93	22.51	211.11
3000.00	3.57	6.16	2998.24	-17.66	-17.75	-11.58	2.26	21.20	213.12
3025.00	3.66	10.21	3023.19	-16.10	-16.19	-11.36	1.08	19.78	215.04
3050.00	3.78	12.84	3048.14	-14.51	-14.61	-11.03	0.83	18.31	217.07
3075.00	3.83	15.84	3073.09	-12.91	-13.00	-10.62	0.82	16.79	219.25
3100.00	3.66	23.63	3098.03	-11.38	-11.47	-10.08	2.14	15.27	221.30
3125.00	3.55	29.80	3122.98	-9.99	-10.07	-9.37	1.61	13.75	222.95
3150.00	3.47	32.50	3147.94	-8.68	-8.76	-8.58	0.75	12.26	224.42
3175.00	3.46	39.28	3172.89	-7.47	-7.54	-7.70	1.64	10.77	225.61
3200.00	3.43	44.83	3197.85	-6.37	-6.42	-6.69	1.34	9.28	226.18
3225.00	3.34	48.57	3222.80	-5.36	-5.41	-5.62	0.94	7.80	226.09
3250.00	3.35	50.52	3247.76	-4.43	-4.46	-4.51	0.46	6.35	225.30

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
3275.00	3.28	54.23	3272.72	-3.55	-3.58	-3.37	0.91	4.92	223.23
3300.00	3.25	59.39	3297.68	-2.78	-2.80	-2.18	1.18	3.55	217.83
3325.00	3.09	63.02	3322.64	-2.13	-2.14	-0.97	1.05	2.34	204.34
3350.00	3.06	63.75	3347.60	-1.54	-1.54	0.23	0.18	1.55	171.38
3375.00	3.05	63.21	3372.57	-0.95	-0.94	1.43	0.13	1.71	123.39
3400.00	3.06	63.21	3397.53	-0.36	-0.34	2.62	0.05	2.64	97.38
3425.00	3.14	63.97	3422.50	0.23	0.26	3.83	0.36	3.84	86.07
3450.00	3.12	64.37	3447.46	0.82	0.86	5.06	0.13	5.13	80.37
3475.00	3.17	66.02	3472.42	1.38	1.43	6.30	0.40	6.46	77.19
3500.00	3.25	66.09	3497.38	1.94	2.00	7.58	0.32	7.84	75.21
3525.00	3.33	65.75	3522.34	2.51	2.59	8.89	0.33	9.26	73.78
3550.00	3.36	66.36	3547.30	3.09	3.18	10.22	0.18	10.71	72.73
3575.00	3.38	66.69	3572.26	3.67	3.76	11.57	0.12	12.17	71.98
3600.00	3.37	67.16	3597.21	4.23	4.34	12.92	0.12	13.63	71.44
3625.00	3.11	66.81	3622.17	4.77	4.89	14.22	1.04	15.04	71.02
3650.00	2.74	68.98	3647.14	5.24	5.37	15.40	1.54	16.31	70.77
3675.00	2.11	71.96	3672.12	5.59	5.73	16.40	2.56	17.37	70.74
3700.00	1.85	72.40	3697.10	5.85	5.99	17.22	1.04	18.24	70.81
3725.00	1.65	76.47	3722.09	6.05	6.20	17.96	0.95	19.00	70.95
3750.00	1.14	84.42	3747.08	6.15	6.31	18.56	2.19	19.60	71.22
3775.00	0.71	103.51	3772.08	6.14	6.30	18.95	2.09	19.97	71.62
3800.00	0.57	125.56	3797.08	6.03	6.19	19.20	1.11	20.18	72.14
3825.00	0.54	151.59	3822.08	5.85	6.01	19.36	1.01	20.27	72.75
3850.00	0.82	192.38	3847.08	5.57	5.73	19.38	2.18	20.21	73.52
3875.00	1.16	202.13	3872.07	5.16	5.32	19.24	1.52	19.97	74.54
3900.00	1.51	211.29	3897.06	4.65	4.81	18.98	1.61	19.58	75.79
3925.00	1.78	210.50	3922.05	4.04	4.19	18.61	1.09	19.08	77.31
3950.00	2.12	212.47	3947.04	3.32	3.47	18.17	1.39	18.49	79.19
3975.00	2.26	213.50	3972.02	2.52	2.67	17.64	0.60	17.84	81.41
4000.00	2.28	215.48	3997.00	1.71	1.85	17.08	0.32	17.18	83.82
4025.00	2.40	213.21	4021.98	0.87	1.01	16.51	0.61	16.54	86.51
4050.00	2.33	215.45	4046.96	0.02	0.16	15.93	0.46	15.93	89.44

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
4075.00	2.37	213.93	4071.94	-0.81	-0.68	15.35	0.29	15.36	92.55
4100.00	2.46	213.53	4096.92	-1.68	-1.56	14.76	0.39	14.84	96.03
4125.00	2.51	215.01	4121.89	-2.57	-2.46	14.15	0.33	14.36	99.84
4150.00	2.36	214.53	4146.87	-3.44	-3.33	13.55	0.62	13.95	103.80
4175.00	2.43	214.38	4171.85	-4.30	-4.19	12.96	0.28	13.62	107.92
4200.00	2.42	214.83	4196.83	-5.16	-5.06	12.36	0.08	13.35	112.27
4225.00	2.42	215.17	4221.80	-6.02	-5.92	11.75	0.06	13.16	116.75
4250.00	2.49	215.81	4246.78	-6.89	-6.79	11.13	0.30	13.04	121.41
4275.00	2.56	215.58	4271.76	-7.78	-7.69	10.49	0.27	13.00	126.25
4300.00	2.62	214.95	4296.73	-8.69	-8.61	9.83	0.29	13.07	131.20
4325.00	2.76	214.24	4321.70	-9.65	-9.58	9.17	0.56	13.26	136.25
4350.00	2.97	215.49	4346.67	-10.67	-10.60	8.45	0.89	13.56	141.43
4375.00	3.14	214.01	4371.64	-11.76	-11.70	7.69	0.76	14.00	146.67
4400.00	3.36	212.76	4396.60	-12.94	-12.88	6.91	0.92	14.62	151.78
4425.00	3.42	212.68	4421.55	-14.18	-14.13	6.11	0.22	15.39	156.60
4450.00	3.75	212.49	4446.50	-15.49	-15.44	5.27	1.32	16.32	161.15
4475.00	3.94	212.03	4471.45	-16.90	-16.86	4.38	0.78	17.42	165.45
4500.00	4.18	211.93	4496.39	-18.39	-18.36	3.44	0.94	18.68	169.39
4525.00	4.20	211.04	4521.32	-19.94	-19.92	2.49	0.27	20.07	172.88
4550.00	4.20	211.57	4546.25	-21.50	-21.48	1.54	0.16	21.54	175.91
4575.00	4.18	212.04	4571.18	-23.04	-23.04	0.57	0.17	23.04	178.58
4600.00	4.08	211.78	4596.12	-24.56	-24.56	-0.38	0.43	24.57	180.88
4625.00	3.84	211.87	4621.06	-26.02	-26.03	-1.29	0.95	26.06	182.83
4650.00	3.59	211.01	4646.01	-27.39	-27.41	-2.13	1.00	27.50	184.45
4675.00	3.35	211.61	4670.96	-28.68	-28.71	-2.92	0.97	28.86	185.81
4700.00	2.85	211.09	4695.92	-29.83	-29.86	-3.63	2.03	30.08	186.92
4725.00	2.44	213.96	4720.90	-30.80	-30.84	-4.24	1.70	31.13	187.84
4750.00	2.20	215.52	4745.88	-31.63	-31.67	-4.82	1.00	32.03	188.66
4775.00	1.86	215.16	4770.86	-32.35	-32.39	-5.33	1.39	32.83	189.35
4800.00	1.25	219.75	4795.85	-32.88	-32.93	-5.74	2.48	33.43	189.89
4825.00	1.05	227.51	4820.85	-33.24	-33.30	-6.08	1.00	33.85	190.35
4850.00	0.86	230.27	4845.84	-33.52	-33.57	-6.40	0.80	34.17	190.79

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
4875.00	0.50	263.57	4870.84	-33.65	-33.70	-6.65	2.08	34.35	191.16
4900.00	0.45	319.03	4895.84	-33.58	-33.64	-6.82	1.79	34.33	191.47
4925.00	0.53	333.94	4920.84	-33.40	-33.46	-6.94	0.59	34.17	191.72
4950.00	0.63	337.29	4945.84	-33.17	-33.23	-7.04	0.41	33.97	191.97
4975.00	0.57	342.54	4970.84	-32.93	-32.99	-7.13	0.31	33.75	192.20
5000.00	0.64	343.81	4995.84	-32.67	-32.73	-7.21	0.29	33.52	192.42
5025.00	0.63	349.36	5020.83	-32.40	-32.46	-7.27	0.25	33.27	192.63
5050.00	0.62	344.55	5045.83	-32.14	-32.20	-7.34	0.22	33.02	192.83
5075.00	0.67	350.37	5070.83	-31.86	-31.92	-7.40	0.32	32.77	193.04
5100.00	0.55	356.47	5095.83	-31.60	-31.66	-7.43	0.54	32.52	193.20
5125.00	0.58	354.08	5120.83	-31.35	-31.42	-7.45	0.17	32.29	193.34
5150.00	0.60	356.44	5145.83	-31.10	-31.16	-7.47	0.11	32.04	193.48
5175.00	0.59	357.96	5170.83	-30.84	-30.90	-7.48	0.06	31.79	193.61
5200.00	0.56	353.08	5195.83	-30.58	-30.65	-7.50	0.24	31.55	193.75
5225.00	0.70	0.42	5220.82	-30.31	-30.38	-7.51	0.62	31.29	193.90
5250.00	0.57	358.01	5245.82	-30.03	-30.10	-7.52	0.50	31.02	194.02
5275.00	0.59	5.65	5270.82	-29.78	-29.85	-7.51	0.32	30.78	194.12
5300.00	0.58	6.31	5295.82	-29.53	-29.59	-7.48	0.05	30.52	194.19
5325.00	0.64	3.05	5320.82	-29.26	-29.33	-7.46	0.27	30.26	194.28
5350.00	0.65	1.24	5345.82	-28.98	-29.05	-7.45	0.09	29.99	194.39
5375.00	0.63	2.31	5370.82	-28.71	-28.77	-7.44	0.09	29.72	194.51
5400.00	0.58	8.39	5395.81	-28.44	-28.51	-7.42	0.32	29.46	194.59
5425.00	0.60	7.66	5420.81	-28.19	-28.25	-7.38	0.08	29.20	194.65
5450.00	0.57	14.16	5445.81	-27.94	-28.00	-7.33	0.29	28.94	194.68
5475.00	0.60	22.23	5470.81	-27.70	-27.76	-7.25	0.34	28.69	194.65
5500.00	0.57	17.35	5495.81	-27.46	-27.52	-7.17	0.23	28.44	194.60
5525.00	0.54	17.20	5520.81	-27.23	-27.29	-7.10	0.11	28.20	194.58
5550.00	0.57	13.95	5545.81	-26.99	-27.05	-7.03	0.17	27.95	194.57
5575.00	0.60	12.15	5570.80	-26.75	-26.80	-6.97	0.15	27.70	194.58
5600.00	0.60	9.71	5595.80	-26.49	-26.55	-6.92	0.11	27.44	194.62
5625.00	0.53	23.64	5620.80	-26.26	-26.31	-6.86	0.61	27.19	194.60
5650.00	0.52	27.59	5645.80	-26.05	-26.11	-6.76	0.15	26.97	194.51

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	CLOSURE DIST ft	CLOSURE DIR deg
5675.00	0.52	28.33	5670.80	-25.85	-25.91	-6.65	0.03	26.75	194.40
5700.00	0.59	27.75	5695.80	-25.64	-25.70	-6.54	0.28	26.52	194.28
5725.00	0.79	13.88	5720.80	-25.36	-25.42	-6.44	1.05	26.22	194.22
5750.00	0.72	13.91	5745.80	-25.04	-25.10	-6.36	0.29	25.89	194.22
5775.00	0.84	15.45	5770.79	-24.72	-24.77	-6.27	0.49	25.55	194.21
5800.00	0.85	11.30	5795.79	-24.36	-24.41	-6.19	0.25	25.18	194.22
5825.00	0.96	12.69	5820.79	-23.97	-24.02	-6.11	0.44	24.79	194.26
5850.00	0.95	13.76	5845.78	-23.57	-23.62	-6.01	0.09	24.37	194.28
5875.00	1.03	15.61	5870.78	-23.15	-23.20	-5.90	0.34	23.94	194.27
5900.00	0.98	14.27	5895.78	-22.73	-22.78	-5.79	0.20	23.50	194.26
5925.00	1.05	16.53	5920.77	-22.30	-22.35	-5.67	0.32	23.06	194.23
5950.00	1.03	13.43	5945.77	-21.86	-21.91	-5.55	0.25	22.60	194.22
5975.00	1.01	15.68	5970.76	-21.44	-21.48	-5.44	0.18	22.16	194.21
6000.00	1.09	16.59	5995.76	-21.00	-21.04	-5.31	0.32	21.70	194.17
6025.00	1.11	17.54	6020.76	-20.54	-20.59	-5.17	0.13	21.23	194.11
6050.00	1.17	15.74	6045.75	-20.06	-20.11	-5.03	0.28	20.73	194.05
6075.00	1.23	17.46	6070.74	-19.56	-19.61	-4.88	0.26	20.20	193.98
6100.00	1.22	15.82	6095.74	-19.05	-19.09	-4.73	0.15	19.67	193.91
6125.00	1.22	16.83	6120.73	-18.54	-18.58	-4.58	0.09	19.14	193.84
6150.00	1.28	15.75	6145.73	-18.02	-18.06	-4.43	0.25	18.59	193.77
6175.00	1.23	16.47	6170.72	-17.50	-17.53	-4.27	0.20	18.05	193.70
6200.00	1.26	14.72	6195.72	-16.97	-17.01	-4.13	0.19	17.50	193.64
6225.00	1.24	15.37	6220.71	-16.45	-16.48	-3.99	0.08	16.96	193.59
6250.00	1.29	16.73	6245.70	-15.92	-15.95	-3.83	0.22	16.41	193.51
6275.00	1.33	16.02	6270.70	-15.37	-15.40	-3.67	0.17	15.83	193.41
6300.00	1.33	15.58	6295.69	-14.81	-14.84	-3.51	0.04	15.25	193.32
6325.00	1.33	17.11	6320.68	-14.26	-14.29	-3.35	0.14	14.67	193.20
6350.00	1.36	14.42	6345.68	-13.69	-13.72	-3.19	0.28	14.09	193.09
6375.00	1.38	17.33	6370.67	-13.12	-13.15	-3.03	0.29	13.49	192.97
6400.00	1.32	17.40	6395.66	-12.56	-12.59	-2.85	0.23	12.90	192.77
6425.00	1.31	15.62	6420.66	-12.01	-12.03	-2.69	0.16	12.33	192.59
6450.00	1.37	17.03	6445.65	-11.45	-11.47	-2.52	0.26	11.75	192.41

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
6475.00	1.31	16.50	6470.64	-10.89	-10.91	-2.35	0.25	11.16	192.18
6500.00	1.35	17.64	6495.64	-10.34	-10.36	-2.18	0.20	10.59	191.91
6525.00	1.38	16.53	6520.63	-9.77	-9.79	-2.01	0.15	9.99	191.60
6550.00	1.39	15.84	6545.62	-9.19	-9.21	-1.84	0.09	9.39	191.31
6575.00	1.36	16.19	6570.61	-8.62	-8.63	-1.68	0.14	8.79	190.99
6600.00	1.36	16.10	6595.61	-8.05	-8.06	-1.51	0.01	8.20	190.61
6625.00	1.37	17.07	6620.60	-7.48	-7.49	-1.34	0.11	7.61	190.15
6650.00	1.22	14.73	6645.59	-6.94	-6.95	-1.19	0.63	7.05	189.68
6675.00	0.76	2.61	6670.59	-6.51	-6.52	-1.11	2.01	6.62	189.66
6700.00	0.69	4.21	6695.59	-6.20	-6.21	-1.09	0.30	6.30	189.97
6725.00	0.61	356.29	6720.59	-5.92	-5.93	-1.09	0.48	6.02	190.41
6750.00	0.58	358.86	6745.58	-5.66	-5.67	-1.10	0.15	5.77	190.99
6775.00	0.63	358.66	6770.58	-5.39	-5.40	-1.11	0.18	5.51	191.57
6800.00	0.53	356.40	6795.58	-5.14	-5.15	-1.12	0.39	5.27	192.23
6825.00	0.58	358.59	6820.58	-4.90	-4.91	-1.13	0.19	5.03	192.93
6850.00	0.57	354.35	6845.58	-4.65	-4.66	-1.14	0.17	4.80	193.78
6875.00	0.59	359.11	6870.58	-4.40	-4.41	-1.16	0.21	4.56	194.70
6900.00	0.56	354.37	6895.58	-4.15	-4.16	-1.17	0.22	4.32	195.72
6925.00	0.50	1.07	6920.58	-3.92	-3.93	-1.18	0.36	4.10	196.73
6950.00	0.44	357.75	6945.57	-3.71	-3.72	-1.18	0.27	3.91	197.61
6975.00	0.36	354.00	6970.57	-3.54	-3.55	-1.19	0.33	3.75	198.59
7000.00	0.38	346.91	6995.57	-3.38	-3.39	-1.22	0.19	3.60	199.79
7025.00	0.32	350.15	7020.57	-3.23	-3.24	-1.25	0.24	3.48	201.09
7050.00	0.32	354.09	7045.57	-3.10	-3.11	-1.27	0.09	3.36	202.24
7075.00	0.31	357.01	7070.57	-2.96	-2.97	-1.28	0.08	3.23	203.34
7100.00	0.31	351.97	7095.57	-2.82	-2.83	-1.29	0.11	3.12	204.54
7125.00	0.29	345.60	7120.57	-2.69	-2.71	-1.32	0.16	3.01	205.99
7150.00	0.22	338.41	7145.57	-2.59	-2.60	-1.35	0.32	2.93	207.47
7175.00	0.21	358.90	7170.57	-2.50	-2.51	-1.37	0.30	2.86	208.62
7200.00	0.16	350.18	7195.57	-2.42	-2.43	-1.38	0.22	2.79	209.53
7225.00	0.22	343.33	7220.57	-2.34	-2.35	-1.40	0.25	2.73	210.72
7250.00	0.22	354.61	7245.57	-2.24	-2.26	-1.42	0.17	2.66	212.09

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	"/100ft	ft	deg
7275.00	0.20	342.52	7270.57	-2.16	-2.17	-1.43	0.20	2.60	213.47
7300.00	0.18	356.44	7295.57	-2.07	-2.09	-1.45	0.20	2.54	214.77
7325.00	0.17	357.30	7320.57	-2.00	-2.01	-1.45	0.04	2.48	215.88
7350.00	0.17	340.02	7345.57	-1.92	-1.94	-1.47	0.21	2.43	217.15
7375.00	0.07	301.84	7370.57	-1.88	-1.89	-1.49	0.49	2.41	218.26
7400.00	0.10	313.26	7395.57	-1.86	-1.87	-1.52	0.12	2.41	219.12
7425.00	0.07	259.87	7420.57	-1.85	-1.86	-1.55	0.31	2.42	219.86
7450.00	0.10	256.29	7445.57	-1.85	-1.87	-1.59	0.11	2.45	220.39
7475.00	0.13	250.20	7470.57	-1.87	-1.88	-1.64	0.13	2.49	221.01
7500.00	0.09	288.90	7495.57	-1.87	-1.88	-1.68	0.33	2.53	221.75
7525.00	0.10	291.96	7520.57	-1.85	-1.87	-1.72	0.05	2.54	222.65
7550.00	0.09	252.92	7545.57	-1.85	-1.87	-1.76	0.27	2.57	223.35
7575.00	0.15	245.71	7570.57	-1.87	-1.89	-1.81	0.21	2.61	223.84
7600.00	0.14	277.45	7595.57	-1.88	-1.90	-1.87	0.31	2.66	224.62
7625.00	0.14	257.79	7620.57	-1.88	-1.90	-1.93	0.19	2.71	225.49
7650.00	0.14	253.49	7645.57	-1.90	-1.91	-1.99	0.04	2.76	226.14
7675.00	0.16	276.12	7670.57	-1.90	-1.92	-2.05	0.24	2.81	226.96
7700.00	0.15	282.92	7695.57	-1.89	-1.91	-2.12	0.07	2.85	228.03
7725.00	0.14	279.56	7720.57	-1.88	-1.89	-2.18	0.05	2.89	229.06
7750.00	0.16	270.96	7745.57	-1.87	-1.89	-2.25	0.12	2.94	230.00
7775.00	0.15	284.05	7770.57	-1.86	-1.88	-2.32	0.15	2.98	230.96
7800.00	0.16	281.35	7795.57	-1.84	-1.86	-2.39	0.06	3.03	231.99
7825.00	0.18	254.30	7820.57	-1.85	-1.87	-2.46	0.33	3.09	232.77
7850.00	0.14	249.14	7845.57	-1.87	-1.89	-2.53	0.16	3.16	233.20
7875.00	0.19	210.43	7870.57	-1.92	-1.94	-2.58	0.49	3.23	233.06
7900.00	0.18	222.86	7895.57	-1.98	-2.00	-2.63	0.17	3.30	232.65
7925.00	0.21	211.50	7920.57	-2.05	-2.07	-2.68	0.20	3.39	232.26
7950.00	0.21	194.76	7945.57	-2.13	-2.16	-2.71	0.24	3.47	231.53
7975.00	0.25	207.68	7970.57	-2.22	-2.25	-2.75	0.27	3.55	230.73
8000.00	0.26	205.70	7995.57	-2.32	-2.35	-2.80	0.05	3.65	230.02
8025.00	0.22	207.77	8020.57	-2.42	-2.44	-2.85	0.17	3.75	229.39
8050.00	0.27	208.24	8045.57	-2.51	-2.54	-2.90	0.21	3.85	228.81

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	"/100ft	ft	deg
8075.00	0.29	207.99	8070.57	-2.62	-2.64	-2.95	0.07	3.96	228.19
8100.00	0.24	188.21	8095.57	-2.73	-2.75	-2.99	0.41	4.06	227.40
8125.00	0.29	194.13	8120.57	-2.84	-2.86	-3.01	0.22	4.16	226.47
8150.00	0.30	204.24	8145.57	-2.96	-2.98	-3.06	0.21	4.27	225.69
8175.00	0.30	210.11	8170.57	-3.07	-3.10	-3.12	0.12	4.40	225.15
8200.00	0.34	196.66	8195.57	-3.20	-3.23	-3.17	0.34	4.52	224.49
8225.00	0.30	206.35	8220.57	-3.33	-3.36	-3.22	0.26	4.65	223.80
8250.00	0.35	204.00	8245.56	-3.46	-3.49	-3.28	0.20	4.79	223.26
8275.00	0.36	202.12	8270.56	-3.60	-3.63	-3.34	0.05	4.93	222.64
8300.00	0.35	203.41	8295.56	-3.74	-3.77	-3.40	0.06	5.08	222.05
8325.00	0.38	208.06	8320.56	-3.88	-3.91	-3.47	0.18	5.23	221.56
8350.00	0.40	205.29	8345.56	-4.04	-4.07	-3.55	0.10	5.40	221.10
8375.00	0.41	202.00	8370.56	-4.20	-4.23	-3.62	0.11	5.56	220.55
8400.00	0.46	204.47	8395.56	-4.37	-4.40	-3.69	0.20	5.74	219.99
8425.00	0.52	199.40	8420.56	-4.57	-4.60	-3.77	0.32	5.95	219.35
8450.00	0.50	198.25	8445.56	-4.78	-4.81	-3.84	0.10	6.16	218.62
8475.00	0.55	193.07	8470.56	-5.00	-5.03	-3.91	0.26	6.37	217.81
8500.00	0.60	195.95	8495.56	-5.24	-5.27	-3.97	0.25	6.60	216.96
8525.00	0.61	191.16	8520.56	-5.50	-5.53	-4.03	0.21	6.84	216.08
8550.00	0.64	188.87	8545.55	-5.77	-5.80	-4.08	0.16	7.09	215.10
8575.00	0.67	193.30	8570.55	-6.05	-6.08	-4.13	0.24	7.35	214.20
8600.00	0.71	191.29	8595.55	-6.34	-6.38	-4.20	0.18	7.63	213.35
8625.00	0.79	193.89	8620.55	-6.66	-6.70	-4.27	0.33	7.94	212.52
8650.00	0.84	196.02	8645.55	-7.00	-7.04	-4.36	0.25	8.28	211.78
8675.00	0.80	196.89	8670.54	-7.34	-7.38	-4.46	0.16	8.63	211.15
8700.00	0.82	192.66	8695.54	-7.68	-7.72	-4.55	0.25	8.96	210.51
8725.00	0.76	198.32	8720.54	-8.02	-8.05	-4.64	0.38	9.30	209.96
8750.00	0.82	197.20	8745.54	-8.34	-8.38	-4.75	0.24	9.63	209.53
8775.00	0.83	197.03	8770.53	-8.69	-8.73	-4.85	0.03	9.99	209.08
8800.00	0.80	196.45	8795.53	-9.02	-9.07	-4.96	0.12	10.33	208.66
8825.00	0.76	188.43	8820.53	-9.35	-9.40	-5.03	0.46	10.66	208.16
8850.00	0.67	179.54	8845.53	-9.66	-9.71	-5.05	0.58	10.94	207.50

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	CLOSURE DIST ft	CLOSURE DIR deg
8875.00	0.58	166.04	8870.53	-9.93	-9.98	-5.02	0.68	11.17	206.71
8900.00	0.64	160.09	8895.52	-10.19	-10.23	-4.94	0.34	11.36	205.78
8925.00	0.65	155.57	8920.52	-10.45	-10.49	-4.84	0.21	11.55	204.74
8950.00	0.59	150.38	8945.52	-10.70	-10.74	-4.71	0.33	11.72	203.70
8975.00	0.55	138.32	8970.52	-10.90	-10.94	-4.57	0.52	11.85	202.67
9000.00	0.37	131.05	8995.52	-11.04	-11.08	-4.43	0.76	11.93	201.79
9025.00	0.42	126.10	9020.52	-11.15	-11.18	-4.30	0.24	11.98	201.01
9050.00	0.31	107.47	9045.52	-11.22	-11.26	-4.16	0.64	12.00	200.27
9075.00	0.29	112.98	9070.52	-11.27	-11.30	-4.04	0.13	12.00	199.65
9100.00	0.37	99.41	9095.52	-11.31	-11.34	-3.90	0.43	11.99	198.96
9125.00	0.30	97.99	9120.52	-11.33	-11.36	-3.75	0.27	11.97	198.27
9150.00	0.37	90.80	9145.52	-11.34	-11.37	-3.61	0.34	11.93	197.59
9175.00	0.44	65.71	9170.52	-11.31	-11.34	-3.44	0.76	11.84	196.86
9200.00	0.59	49.45	9195.51	-11.18	-11.21	-3.25	0.82	11.67	196.16
9225.00	0.71	38.64	9220.51	-10.98	-11.01	-3.06	0.70	11.42	195.51
9250.00	0.75	25.06	9245.51	-10.71	-10.74	-2.89	0.71	11.12	195.06
9275.00	0.82	17.11	9270.51	-10.40	-10.42	-2.77	0.51	10.78	194.87
9300.00	0.94	15.63	9295.51	-10.03	-10.05	-2.66	0.49	10.40	194.82
9325.00	0.87	14.61	9320.50	-9.65	-9.67	-2.56	0.29	10.00	194.81
9350.00	1.01	18.17	9345.50	-9.26	-9.28	-2.44	0.62	9.59	194.73
9375.00	0.99	21.66	9370.50	-8.85	-8.87	-2.29	0.26	9.16	194.49
9400.00	1.15	28.82	9395.49	-8.43	-8.44	-2.09	0.83	8.70	193.90
9425.00	1.20	32.46	9420.49	-7.99	-8.00	-1.83	0.37	8.21	192.87
9450.00	1.25	31.34	9445.48	-7.54	-7.55	-1.54	0.22	7.70	191.57
9475.00	1.44	31.00	9470.47	-7.04	-7.05	-1.24	0.75	7.15	189.99
9500.00	1.49	25.88	9495.47	-6.48	-6.48	-0.94	0.57	6.55	188.23
9525.00	2.20	17.98	9520.45	-5.73	-5.73	-0.65	3.01	5.77	186.44
9550.00	2.50	14.52	9545.43	-4.75	-4.75	-0.36	1.31	4.76	184.35
9575.00	2.67	11.73	9570.41	-3.65	-3.65	-0.11	0.84	3.65	181.67
9600.00	2.65	12.42	9595.38	-2.52	-2.52	0.14	0.14	2.52	176.91
9625.00	2.69	3.24	9620.35	-1.37	-1.37	0.29	1.71	1.40	167.89
9650.00	2.79	348.34	9645.32	-0.19	-0.19	0.20	2.87	0.28	132.47

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
9675.00	2.75	344.72	9670.29	0.99	0.99	-0.08	0.72	0.99	355.51
9700.00	2.83	343.06	9695.26	2.16	2.16	-0.42	0.45	2.20	349.10
9725.00	2.64	341.47	9720.24	3.30	3.29	-0.78	0.80	3.38	346.70
9750.00	2.49	341.48	9745.21	4.36	4.35	-1.13	0.59	4.50	345.40
9775.00	2.42	342.50	9770.19	5.39	5.37	-1.47	0.33	5.57	344.75
9800.00	2.39	342.40	9795.17	6.39	6.37	-1.78	0.14	6.62	344.38
9825.00	2.24	342.44	9820.15	7.35	7.34	-2.09	0.59	7.63	344.12
9850.00	2.15	343.48	9845.13	8.27	8.25	-2.37	0.39	8.58	343.99
9875.00	2.20	344.02	9870.11	9.18	9.16	-2.63	0.23	9.53	343.97
9900.00	2.30	346.05	9895.09	10.14	10.11	-2.89	0.51	10.52	344.07
9925.00	2.37	346.52	9920.07	11.13	11.10	-3.13	0.30	11.54	344.27
9950.00	2.48	348.83	9945.05	12.16	12.14	-3.35	0.56	12.59	344.55
9975.00	2.41	347.83	9970.02	13.21	13.18	-3.57	0.30	13.66	344.85
10000.00	2.50	347.67	9995.00	14.26	14.23	-3.80	0.36	14.73	345.06
10025.00	2.50	348.35	10019.98	15.33	15.30	-4.02	0.12	15.82	345.26
10050.00	2.49	349.85	10044.95	16.40	16.37	-4.23	0.26	16.90	345.51
10075.00	2.50	347.55	10069.93	17.47	17.43	-4.44	0.40	17.99	345.70
10100.00	2.38	349.78	10094.91	18.51	18.48	-4.65	0.60	19.05	345.87
10125.00	1.98	351.18	10119.89	19.45	19.41	-4.81	1.61	20.00	346.08
10150.00	1.64	1.36	10144.88	20.24	20.20	-4.87	1.88	20.78	346.45
10175.00	1.52	0.64	10169.87	20.93	20.89	-4.86	0.47	21.44	346.91
10200.00	1.19	3.36	10194.86	21.52	21.48	-4.84	1.35	22.02	347.31
10225.00	1.00	11.39	10219.86	21.99	21.95	-4.78	0.99	22.47	347.72
10250.00	0.79	10.68	10244.85	22.37	22.33	-4.70	0.84	22.82	348.10
10275.00	0.67	6.34	10269.85	22.69	22.65	-4.66	0.50	23.12	348.38
10300.00	0.50	15.09	10294.85	22.94	22.90	-4.61	0.79	23.36	348.61
10325.00	0.49	9.79	10319.85	23.15	23.11	-4.57	0.19	23.56	348.82
10350.00	0.43	358.34	10344.85	23.35	23.31	-4.55	0.43	23.75	348.95
10375.00	0.49	348.03	10369.85	23.54	23.51	-4.58	0.40	23.95	348.99
10400.00	0.58	333.16	10394.85	23.76	23.72	-4.66	0.67	24.18	348.90
10425.00	0.64	341.87	10419.84	24.01	23.97	-4.76	0.42	24.44	348.78
10450.00	0.70	336.86	10444.84	24.28	24.24	-4.86	0.36	24.73	348.67

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
10475.00	0.63	342.15	10469.84	24.56	24.51	-4.96	0.39	25.01	348.56
10500.00	0.76	354.55	10494.84	24.85	24.81	-5.02	0.79	25.31	348.56
10525.00	0.81	357.06	10519.84	25.19	25.15	-5.04	0.24	25.65	348.66
10550.00	0.70	356.62	10544.83	25.52	25.48	-5.06	0.42	25.97	348.76
10575.00	0.67	355.86	10569.83	25.82	25.78	-5.08	0.12	26.27	348.85
10600.00	0.79	6.45	10594.83	26.13	26.09	-5.07	0.72	26.58	349.00
10625.00	0.83	6.61	10619.83	26.49	26.44	-5.03	0.15	26.92	349.23
10650.00	0.71	4.56	10644.83	26.82	26.78	-5.00	0.50	27.24	349.43
10675.00	0.78	5.59	10669.82	27.14	27.10	-4.97	0.31	27.55	349.61
10700.00	0.83	5.30	10694.82	27.49	27.45	-4.94	0.18	27.89	349.81
10725.00	0.97	8.63	10719.82	27.88	27.84	-4.89	0.60	28.27	350.04
10750.00	0.79	9.63	10744.81	28.26	28.22	-4.83	0.73	28.63	350.29
10775.00	0.91	11.30	10769.81	28.63	28.59	-4.76	0.49	28.98	350.55
10800.00	0.95	5.34	10794.81	29.03	28.99	-4.70	0.42	29.37	350.79
10825.00	0.91	9.08	10819.81	29.43	29.39	-4.65	0.29	29.76	351.01
10850.00	0.92	9.90	10844.80	29.82	29.78	-4.59	0.07	30.13	351.25
10875.00	0.84	11.91	10869.80	30.20	30.16	-4.51	0.34	30.50	351.49
10900.00	0.78	10.47	10894.80	30.54	30.51	-4.44	0.27	30.83	351.71
10925.00	0.86	8.24	10919.79	30.89	30.86	-4.39	0.36	31.17	351.91
10950.00	1.00	3.69	10944.79	31.30	31.26	-4.35	0.63	31.56	352.09
10975.00	1.02	9.35	10969.79	31.73	31.70	-4.30	0.40	31.99	352.28
10994.00	1.07	3.69	10988.78	32.08	32.04	-4.26	0.62	32.32	352.43