

COG

FEZ FEDERAL COM #603H

PRECISION #595

1/28/2019

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

JAKE ELGER

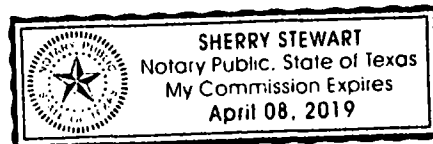
Notarized this date 04 of FEBUARY, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



Scientific Drilling

The

In Wellbore Placement

SURVEY REPORT

FEZ FEDERAL COM #603H

DEFINITIVE KEEPER GYRO SURVEY

CUSTOMER
PROJECT
FIELD

COG
Fez Federal Com #603H
Fez Federal Com #603H

SDI JOB NO. OP:015870
SDI DISTRICT Midland
SDI KIT/UNIT

SITE INFORMATION

Site Name Fez Federal Com #603H
Lat/Long 32.1382806° N, 103.3771486° W
Northing 415,342.2 ft
Easting 795,972.5 ft

Section
Township
Range

MAP INFORMATION

North Reference Grid North
Grid Correction -0.51 deg
System US State Plane 1927
Datum North American Datum 1927 (Clarke 1866)
Map Zone New Mexico East: 3001

**WELL INFORMATION**

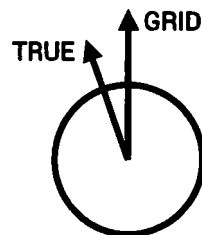
Lat/Long 32.1382806° N, 103.3771486° W
Northing 415,342.2 ft
Easting 795,972.5 ft
UWI 30-025-45276

DEPTH AND ELEVATION REFERENCE

Ground Level 3251.7 ft above Mean Sea
Level
Reference Datum KB
Reference Height 25 ft above G.L.
Reference Elevation 3276.7 ft

VERTICAL SECTION REFERENCE

+N/-S 0 ft
+E/-W 0 ft
Proposal Direction 359.66°
Calculation Method Minimum Curvature

**LOCAL GRAVITY REFERENCE INFORMATION**

Local Gravity 998.508 mG [computed]
True to Grid subtract 0.51°

WELL NOTES

Keeper Gyro Survey ran in 4 1/2 IF Drill Pipe to 11,440'

OPERATORS

C. Booher

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	0.20	181.36	100.00	-0.17	-0.17	0.00	0.20	0.17	181.36
125.00	0.24	191.49	125.00	-0.27	-0.27	-0.02	0.22	0.27	183.32
150.00	0.24	200.18	150.00	-0.37	-0.37	-0.04	0.15	0.37	186.84
175.00	0.29	203.91	175.00	-0.48	-0.48	-0.09	0.21	0.49	190.50
200.00	0.23	179.22	200.00	-0.59	-0.59	-0.11	0.51	0.60	190.97
225.00	0.15	205.44	225.00	-0.67	-0.67	-0.13	0.48	0.68	190.78
250.00	0.24	203.38	250.00	-0.75	-0.75	-0.16	0.36	0.76	192.25
275.00	0.29	193.72	275.00	-0.85	-0.85	-0.20	0.25	0.88	193.01
300.00	0.24	190.83	300.00	-0.97	-0.97	-0.22	0.18	0.99	192.94
325.00	0.19	181.65	325.00	-1.06	-1.06	-0.23	0.27	1.08	192.42
350.00	0.20	213.20	350.00	-1.13	-1.14	-0.26	0.42	1.17	192.81
375.00	0.33	216.65	375.00	-1.23	-1.23	-0.32	0.52	1.27	194.79
400.00	0.28	190.36	400.00	-1.34	-1.35	-0.38	0.58	1.40	195.69
425.00	0.23	208.14	425.00	-1.45	-1.45	-0.41	0.36	1.51	195.89
450.00	0.34	227.87	450.00	-1.54	-1.55	-0.49	0.58	1.62	197.67
475.00	0.46	218.41	475.00	-1.67	-1.67	-0.61	0.55	1.78	200.02
500.00	0.48	226.04	500.00	-1.82	-1.83	-0.75	0.26	1.97	202.27
525.00	0.53	226.66	524.99	-1.97	-1.98	-0.91	0.20	2.17	204.63
550.00	0.50	240.10	549.99	-2.10	-2.11	-1.08	0.49	2.37	207.20
575.00	0.64	241.06	574.99	-2.23	-2.23	-1.30	0.57	2.59	210.26
600.00	0.55	235.69	599.99	-2.36	-2.37	-1.52	0.45	2.82	212.77
625.00	0.59	235.26	624.99	-2.50	-2.51	-1.73	0.18	3.05	214.57
650.00	0.74	244.09	649.99	-2.64	-2.65	-1.98	0.72	3.31	216.74
675.00	0.79	231.59	674.99	-2.82	-2.83	-2.26	0.69	3.62	218.61
700.00	0.81	228.75	699.98	-3.04	-3.05	-2.53	0.18	3.96	219.61
725.00	0.74	242.28	724.98	-3.23	-3.24	-2.80	0.78	4.29	220.81
750.00	0.83	243.83	749.98	-3.38	-3.40	-3.11	0.39	4.60	222.43
775.00	0.83	237.39	774.98	-3.56	-3.58	-3.42	0.37	4.95	223.73
800.00	0.86	244.13	799.97	-3.73	-3.76	-3.74	0.42	5.30	224.90
825.00	0.81	241.30	824.97	-3.90	-3.92	-4.07	0.26	5.65	226.04
850.00	1.03	240.76	849.97	-4.09	-4.12	-4.42	0.86	6.04	227.02

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	0.90	245.25	874.96	-4.28	-4.31	-4.79	0.59	6.44	228.04
900.00	0.98	245.26	899.96	-4.45	-4.48	-5.16	0.32	6.84	229.05
925.00	1.09	246.23	924.96	-4.63	-4.67	-5.58	0.45	7.27	230.08
950.00	0.97	242.79	949.95	-4.82	-4.86	-5.98	0.53	7.71	230.92
975.00	1.00	243.68	974.95	-5.01	-5.05	-6.37	0.12	8.13	231.57
1000.00	0.97	243.56	999.94	-5.20	-5.24	-6.75	0.13	8.55	232.17
1025.00	1.06	242.43	1024.94	-5.40	-5.44	-7.15	0.37	8.98	232.70
1050.00	0.98	244.43	1049.94	-5.60	-5.64	-7.54	0.34	9.42	233.20
1075.00	0.98	248.67	1074.93	-5.77	-5.81	-7.94	0.29	9.84	233.77
1100.00	0.94	252.08	1099.93	-5.91	-5.96	-8.33	0.27	10.24	234.45
1125.00	1.00	243.46	1124.93	-6.06	-6.12	-8.72	0.63	10.65	234.97
1150.00	1.02	244.91	1149.92	-6.25	-6.31	-9.12	0.12	11.09	235.33
1175.00	0.91	246.90	1174.92	-6.42	-6.48	-9.50	0.45	11.50	235.71
1200.00	0.99	242.39	1199.92	-6.60	-6.66	-9.88	0.43	11.91	236.02
1225.00	0.93	243.03	1224.91	-6.79	-6.85	-10.25	0.22	12.33	236.24
1250.00	0.96	244.70	1249.91	-6.97	-7.03	-10.62	0.16	12.73	236.49
1275.00	0.95	250.72	1274.90	-7.12	-7.19	-11.00	0.40	13.14	236.84
1300.00	0.86	237.26	1299.90	-7.29	-7.36	-11.35	0.92	13.53	237.06
1325.00	0.88	241.54	1324.90	-7.48	-7.55	-11.68	0.28	13.91	237.12
1350.00	0.82	240.67	1349.90	-7.66	-7.73	-12.00	0.26	14.28	237.23
1375.00	0.86	221.99	1374.89	-7.88	-7.95	-12.28	1.10	14.64	237.07
1400.00	1.15	181.73	1399.89	-8.27	-8.34	-12.42	2.97	14.96	236.10
1425.00	1.38	174.06	1424.88	-8.82	-8.89	-12.39	1.15	15.25	234.33
1450.00	2.19	166.81	1449.87	-9.59	-9.66	-12.25	3.34	15.60	231.75
1475.00	2.69	160.05	1474.85	-10.60	-10.68	-11.94	2.32	16.02	228.21
1500.00	3.02	157.06	1499.82	-11.76	-11.83	-11.49	1.45	16.49	224.15
1525.00	3.07	158.26	1524.78	-13.00	-13.06	-10.98	0.31	17.06	220.06
1550.00	3.28	158.00	1549.74	-14.28	-14.34	-10.47	0.84	17.76	216.12
1575.00	3.25	155.53	1574.70	-15.59	-15.65	-9.91	0.57	18.52	212.33
1600.00	3.28	154.19	1599.66	-16.88	-16.94	-9.30	0.33	19.33	208.77
1625.00	3.35	155.86	1624.62	-18.20	-18.25	-8.69	0.47	20.21	205.47
1650.00	3.41	153.32	1649.58	-19.53	-19.58	-8.06	0.66	21.18	202.37

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	3.35	155.38	1674.53	-20.87	-20.91	-7.42	0.55	22.19	199.54
1700.00	3.50	153.70	1699.49	-22.22	-22.26	-6.78	0.71	23.27	196.94
1725.00	3.44	154.41	1724.44	-23.58	-23.62	-6.12	0.30	24.40	194.52
1750.00	3.59	153.19	1749.40	-24.96	-24.99	-5.44	0.70	25.58	192.28
1775.00	3.62	154.37	1774.35	-26.37	-26.40	-4.75	0.31	26.83	190.19
1800.00	3.87	152.79	1799.29	-27.84	-27.86	-4.02	1.09	28.15	188.21
1825.00	4.10	152.75	1824.23	-29.39	-29.41	-3.22	0.92	29.59	186.25
1850.00	4.46	151.24	1849.16	-31.04	-31.06	-2.35	1.51	31.15	184.32
1875.00	4.81	151.89	1874.08	-32.82	-32.83	-1.38	1.41	32.86	182.41
1900.00	4.66	151.90	1899.00	-34.65	-34.65	-0.41	0.58	34.66	180.68
1925.00	4.74	151.90	1923.91	-36.46	-36.46	0.55	0.29	36.46	179.13
1950.00	4.71	152.79	1948.83	-38.29	-38.28	1.51	0.32	38.31	177.74
1975.00	4.81	151.98	1973.74	-40.13	-40.12	2.47	0.50	40.20	176.48
2000.00	4.78	153.00	1998.65	-41.99	-41.97	3.43	0.36	42.11	175.32
2025.00	4.88	151.49	2023.57	-43.86	-43.84	4.42	0.64	44.06	174.25
2050.00	4.90	151.01	2048.47	-45.74	-45.70	5.44	0.17	46.03	173.21
2075.00	4.92	150.78	2073.38	-47.61	-47.57	6.48	0.13	48.01	172.24
2100.00	4.87	151.29	2098.29	-49.48	-49.44	7.51	0.27	50.01	171.36
2125.00	5.28	151.46	2123.19	-51.43	-51.38	8.57	1.62	52.09	170.53
2150.00	5.58	151.07	2148.08	-53.51	-53.45	9.71	1.21	54.33	169.71
2175.00	5.82	153.65	2172.96	-55.71	-55.65	10.86	1.42	56.70	168.96
2200.00	6.07	155.82	2197.82	-58.06	-57.99	11.96	1.33	59.21	168.34
2225.00	6.38	157.87	2222.68	-60.56	-60.48	13.03	1.55	61.87	167.85
2250.00	6.63	161.05	2247.52	-63.22	-63.14	14.02	1.74	64.68	167.48
2275.00	6.72	162.10	2272.35	-65.98	-65.89	14.94	0.60	67.57	167.23
2300.00	6.69	164.83	2297.18	-68.78	-68.69	15.77	1.28	70.48	167.07
2325.00	6.96	166.84	2322.00	-71.67	-71.57	16.49	1.43	73.45	167.02
2350.00	6.97	165.54	2346.81	-74.62	-74.52	17.22	0.63	76.48	166.99
2375.00	6.99	166.01	2371.63	-77.57	-77.46	17.96	0.24	79.52	166.94
2400.00	6.75	167.44	2396.45	-80.48	-80.37	18.65	1.18	82.51	166.94
2425.00	6.56	169.35	2421.28	-83.32	-83.21	19.23	1.16	85.40	166.98
2450.00	6.09	173.27	2446.13	-86.04	-85.93	19.65	2.55	88.15	167.12

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	5.91	172.55	2470.99	-88.64	-88.52	19.98	0.80	90.75	167.28
2500.00	5.73	173.64	2495.86	-91.16	-91.04	20.28	0.82	93.27	167.44
2525.00	5.62	174.28	2520.74	-93.62	-93.50	20.54	0.53	95.73	167.61
2550.00	5.81	174.52	2545.62	-96.10	-95.97	20.78	0.78	98.20	167.78
2575.00	5.70	173.40	2570.49	-98.59	-98.47	21.05	0.62	100.69	167.93
2600.00	5.89	173.96	2595.36	-101.10	-100.98	21.33	0.81	103.20	168.07
2625.00	5.70	174.36	2620.23	-103.61	-103.49	21.58	0.81	105.71	168.22
2650.00	5.66	173.02	2645.11	-106.07	-105.95	21.85	0.55	108.18	168.34
2675.00	5.63	174.67	2669.99	-108.52	-108.39	22.12	0.65	110.62	168.47
2700.00	5.40	176.25	2694.87	-110.92	-110.79	22.31	1.11	113.01	168.61
2725.00	5.44	176.65	2719.76	-113.27	-113.14	22.45	0.21	115.35	168.77
2750.00	5.36	178.12	2744.65	-115.62	-115.49	22.56	0.63	117.67	168.95
2775.00	5.44	177.26	2769.54	-117.97	-117.84	22.66	0.46	120.00	169.12
2800.00	5.48	177.60	2794.43	-120.35	-120.22	22.76	0.21	122.35	169.28
2825.00	5.34	177.03	2819.32	-122.71	-122.57	22.87	0.60	124.69	169.43
2850.00	5.21	174.99	2844.21	-125.00	-124.87	23.03	0.91	126.97	169.55
2875.00	5.27	175.39	2869.11	-127.28	-127.14	23.22	0.26	129.25	169.65
2900.00	5.21	175.37	2894.00	-129.55	-129.42	23.41	0.23	131.52	169.75
2925.00	5.24	176.17	2918.90	-131.83	-131.69	23.58	0.32	133.78	169.85
2950.00	5.28	175.66	2943.79	-134.11	-133.97	23.74	0.24	136.06	169.95
2975.00	5.54	178.68	2968.68	-136.47	-136.33	23.85	1.55	138.40	170.07
3000.00	5.66	180.38	2993.56	-138.91	-138.77	23.87	0.82	140.81	170.24
3025.00	5.78	182.29	3018.44	-141.40	-141.26	23.82	0.88	143.25	170.43
3050.00	5.92	182.01	3043.31	-143.94	-143.80	23.72	0.60	145.75	170.63
3075.00	5.84	182.84	3068.17	-146.50	-146.36	23.61	0.48	148.26	170.84
3100.00	5.91	182.93	3093.04	-149.06	-148.92	23.48	0.29	150.76	171.04
3125.00	5.87	182.62	3117.91	-151.62	-151.48	23.36	0.22	153.27	171.23
3150.00	5.88	182.34	3142.78	-154.17	-154.04	23.25	0.12	155.78	171.42
3175.00	5.92	182.83	3167.65	-156.74	-156.60	23.13	0.26	158.30	171.60
3200.00	5.66	182.99	3192.52	-159.25	-159.12	23.00	1.01	160.78	171.77
3225.00	5.61	183.72	3217.40	-161.71	-161.57	22.86	0.36	163.18	171.95
3250.00	5.52	183.67	3242.28	-164.12	-163.99	22.70	0.37	165.56	172.12

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	5.52	184.42	3267.17	-166.52	-166.39	22.54	0.29	167.91	172.29
3300.00	5.41	183.75	3292.05	-168.90	-168.77	22.37	0.48	170.24	172.45
3325.00	5.35	182.91	3316.94	-171.24	-171.11	22.23	0.40	172.54	172.60
3350.00	5.22	182.98	3341.84	-173.53	-173.41	22.11	0.54	174.81	172.73
3375.00	5.15	182.19	3366.73	-175.79	-175.66	22.01	0.40	177.04	172.86
3400.00	5.15	181.17	3391.63	-178.03	-177.90	21.94	0.37	179.25	172.97
3425.00	5.11	182.32	3416.53	-180.26	-180.14	21.88	0.43	181.46	173.08
3450.00	5.23	184.94	3441.43	-182.51	-182.39	21.73	1.05	183.68	173.21
3475.00	5.14	181.35	3466.33	-184.77	-184.64	21.61	1.35	185.90	173.33
3500.00	5.23	182.73	3491.23	-187.02	-186.90	21.53	0.60	188.13	173.43
3525.00	5.34	182.51	3516.12	-189.32	-189.20	21.42	0.45	190.41	173.54
3550.00	5.47	183.10	3541.01	-191.67	-191.55	21.31	0.57	192.73	173.65
3575.00	5.41	182.05	3565.90	-194.04	-193.91	21.20	0.46	195.07	173.76
3600.00	5.39	182.26	3590.79	-196.39	-196.27	21.11	0.10	197.40	173.86
3625.00	5.39	182.42	3615.68	-198.73	-198.61	21.02	0.06	199.72	173.96
3650.00	5.33	182.39	3640.57	-201.07	-200.95	20.92	0.24	202.03	174.06
3675.00	5.35	182.30	3665.46	-203.39	-203.27	20.82	0.06	204.34	174.15
3700.00	5.16	181.84	3690.35	-205.68	-205.56	20.74	0.76	206.60	174.24
3725.00	5.29	180.83	3715.25	-207.95	-207.83	20.69	0.63	208.86	174.32
3750.00	5.22	182.54	3740.14	-210.24	-210.12	20.62	0.68	211.13	174.40
3775.00	5.25	182.21	3765.04	-212.52	-212.40	20.53	0.17	213.39	174.48
3800.00	5.13	182.83	3789.94	-214.78	-214.66	20.43	0.54	215.63	174.56
3825.00	5.12	183.31	3814.84	-217.01	-216.89	20.31	0.18	217.84	174.65
3850.00	5.09	184.79	3839.74	-219.23	-219.11	20.15	0.54	220.03	174.75
3875.00	4.68	184.09	3864.65	-221.35	-221.23	19.98	1.65	222.13	174.84
3900.00	4.55	185.24	3889.57	-223.35	-223.24	19.82	0.66	224.12	174.93
3925.00	3.96	184.71	3914.50	-225.20	-225.09	19.66	2.35	225.94	175.01
3950.00	3.81	185.93	3939.44	-226.88	-226.77	19.50	0.68	227.61	175.08
3975.00	3.41	184.46	3964.39	-228.45	-228.34	19.36	1.66	229.16	175.15
4000.00	3.46	183.06	3989.34	-229.94	-229.83	19.26	0.39	230.64	175.21
4025.00	3.02	179.37	4014.30	-231.36	-231.25	19.23	1.92	232.04	175.25
4050.00	2.76	170.82	4039.27	-232.61	-232.50	19.33	2.02	233.30	175.25

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	2.07	159.31	4064.25	-233.63	-233.52	19.59	3.37	234.34	175.21
4100.00	1.87	147.29	4089.24	-234.40	-234.28	19.97	1.83	235.13	175.13
4125.00	1.79	141.19	4114.22	-235.05	-234.93	20.43	0.84	235.82	175.03
4150.00	1.68	140.84	4139.21	-235.64	-235.52	20.91	0.45	236.45	174.93
4175.00	1.69	134.78	4164.20	-236.19	-236.06	21.40	0.71	237.03	174.82
4200.00	1.66	137.37	4189.19	-236.72	-236.59	21.91	0.32	237.60	174.71
4225.00	1.71	134.47	4214.18	-237.25	-237.12	22.42	0.39	238.18	174.60
4250.00	1.55	118.56	4239.17	-237.67	-237.54	22.98	1.91	238.65	174.47
4275.00	1.51	111.21	4264.16	-237.96	-237.82	23.59	0.79	238.99	174.34
4300.00	1.61	109.36	4289.15	-238.20	-238.06	24.23	0.45	239.29	174.19
4325.00	1.65	107.42	4314.14	-238.43	-238.28	24.90	0.26	239.58	174.03
4350.00	1.72	108.83	4339.13	-238.66	-238.51	25.60	0.31	239.88	173.87
4375.00	1.70	104.86	4364.12	-238.88	-238.73	26.31	0.48	240.17	173.71
4400.00	1.85	103.45	4389.11	-239.07	-238.92	27.07	0.64	240.44	173.54
4425.00	1.77	105.51	4414.09	-239.27	-239.11	27.83	0.42	240.73	173.36
4450.00	1.73	103.72	4439.08	-239.47	-239.31	28.57	0.26	241.01	173.19
4475.00	1.73	104.82	4464.07	-239.66	-239.49	29.30	0.13	241.28	173.02
4500.00	1.58	103.62	4489.06	-239.84	-239.67	30.00	0.59	241.54	172.87
4525.00	1.42	100.36	4514.05	-239.98	-239.81	30.64	0.73	241.76	172.72
4550.00	1.21	98.44	4539.05	-240.08	-239.90	31.21	0.85	241.92	172.59
4575.00	1.26	98.01	4564.04	-240.16	-239.98	31.74	0.20	242.07	172.47
4600.00	0.72	76.06	4589.04	-240.17	-239.98	32.16	2.60	242.12	172.37
4625.00	0.50	75.06	4614.03	-240.10	-239.91	32.42	0.89	242.09	172.30
4650.00	0.51	79.47	4639.03	-240.05	-239.86	32.64	0.16	242.07	172.25
4675.00	0.60	89.07	4664.03	-240.03	-239.84	32.88	0.53	242.08	172.19
4700.00	0.57	81.86	4689.03	-240.01	-239.82	33.13	0.32	242.10	172.13
4725.00	0.97	73.59	4714.03	-239.94	-239.74	33.46	1.66	242.07	172.05
4750.00	1.10	67.27	4739.03	-239.79	-239.59	33.89	0.67	241.98	171.95
4775.00	1.48	51.60	4764.02	-239.50	-239.30	34.36	2.07	241.75	171.83
4800.00	2.00	49.84	4789.01	-239.02	-238.82	34.95	2.11	241.36	171.67
4825.00	1.98	48.54	4813.99	-238.46	-238.25	35.60	0.21	240.89	171.50
4850.00	2.09	49.88	4838.98	-237.88	-237.67	36.28	0.51	240.42	171.32

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	2.04	49.28	4863.96	-237.30	-237.08	36.96	0.22	239.95	171.14
4900.00	1.67	44.48	4888.95	-236.75	-236.53	37.56	1.63	239.50	170.98
4925.00	1.02	43.06	4913.94	-236.33	-236.11	37.96	2.57	239.14	170.87
4950.00	0.89	33.78	4938.94	-236.01	-235.79	38.22	0.83	238.87	170.79
4975.00	0.80	32.54	4963.93	-235.70	-235.48	38.42	0.36	238.59	170.73
5000.00	0.86	31.50	4988.93	-235.40	-235.17	38.61	0.25	238.32	170.68
5025.00	0.76	9.79	5013.93	-235.08	-234.85	38.74	1.28	238.03	170.63
5050.00	1.16	304.21	5038.93	-234.77	-234.55	38.56	4.36	237.69	170.66
5075.00	1.89	292.24	5063.92	-234.47	-234.25	37.97	3.19	237.31	170.79
5100.00	2.11	289.91	5088.90	-234.15	-233.93	37.15	0.94	236.87	170.98
5125.00	2.24	287.41	5113.88	-233.84	-233.63	36.25	0.63	236.43	171.18
5150.00	2.19	291.04	5138.86	-233.52	-233.31	35.34	0.60	235.98	171.39
5175.00	2.16	287.17	5163.85	-233.20	-233.00	34.45	0.60	235.54	171.59
5200.00	2.07	287.18	5188.83	-232.93	-232.73	33.57	0.36	235.14	171.79
5225.00	1.91	284.27	5213.81	-232.69	-232.50	32.73	0.77	234.79	171.99
5250.00	1.94	286.51	5238.80	-232.46	-232.27	31.92	0.33	234.46	172.17
5275.00	1.86	284.87	5263.79	-232.23	-232.05	31.13	0.37	234.13	172.36
5300.00	1.85	282.55	5288.77	-232.03	-231.86	30.34	0.30	233.83	172.55
5325.00	1.84	280.77	5313.76	-231.86	-231.69	29.55	0.24	233.57	172.73
5350.00	1.82	282.98	5338.75	-231.70	-231.53	28.77	0.29	233.31	172.92
5375.00	1.74	281.91	5363.74	-231.52	-231.36	28.01	0.35	233.05	173.10
5400.00	1.66	277.68	5388.72	-231.39	-231.23	27.28	0.60	232.84	173.27
5425.00	1.75	280.60	5413.71	-231.27	-231.12	26.54	0.49	232.64	173.45
5450.00	1.75	281.47	5438.70	-231.12	-230.97	25.80	0.11	232.41	173.63
5475.00	1.80	281.06	5463.69	-230.96	-230.82	25.04	0.19	232.17	173.81
5500.00	1.74	281.76	5488.68	-230.81	-230.67	24.28	0.24	231.94	173.99
5525.00	1.74	278.41	5513.67	-230.67	-230.53	23.53	0.41	231.73	174.17
5550.00	1.71	281.76	5538.66	-230.53	-230.40	22.79	0.42	231.53	174.35
5575.00	1.39	281.03	5563.65	-230.39	-230.27	22.13	1.29	231.33	174.51
5600.00	0.96	308.52	5588.64	-230.20	-230.08	21.67	2.79	231.10	174.62
5625.00	0.89	327.42	5613.64	-229.91	-229.79	21.40	1.24	230.78	174.68
5650.00	0.88	359.30	5638.64	-229.55	-229.43	21.30	1.94	230.42	174.70

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
5675.00	0.86	10.88	5663.63	-229.18	-229.06	21.33	0.71	230.05	174.68
5700.00	0.98	4.65	5688.63	-228.78	-228.66	21.38	0.64	229.66	174.66
5725.00	0.82	7.93	5713.63	-228.39	-228.27	21.42	0.67	229.27	174.64
5750.00	1.05	5.88	5738.62	-227.99	-227.86	21.47	0.92	228.87	174.62
5775.00	1.01	3.49	5763.62	-227.54	-227.42	21.51	0.25	228.43	174.60
5800.00	0.99	12.17	5788.61	-227.11	-226.99	21.57	0.61	228.01	174.57
5825.00	0.91	11.95	5813.61	-226.70	-226.58	21.65	0.32	227.61	174.54
5850.00	0.92	13.64	5838.61	-226.32	-226.19	21.74	0.11	227.23	174.51
5875.00	1.00	15.26	5863.60	-225.91	-225.79	21.85	0.35	226.84	174.47
5900.00	0.98	9.86	5888.60	-225.49	-225.37	21.94	0.38	226.43	174.44
5925.00	0.98	12.22	5913.60	-225.07	-224.95	22.02	0.16	226.02	174.41
5950.00	0.92	11.22	5938.59	-224.67	-224.54	22.11	0.29	225.63	174.38
5975.00	0.94	14.04	5963.59	-224.27	-224.14	22.20	0.21	225.24	174.34
6000.00	0.73	7.39	5988.59	-223.92	-223.79	22.27	0.93	224.89	174.32
6025.00	0.75	11.86	6013.59	-223.60	-223.47	22.32	0.24	224.58	174.30
6050.00	0.53	3.79	6038.58	-223.32	-223.19	22.36	0.93	224.31	174.28
6075.00	0.25	3.51	6063.58	-223.15	-223.02	22.37	1.13	224.14	174.27
6100.00	0.34	339.14	6088.58	-223.03	-222.90	22.35	0.60	224.01	174.27
6125.00	0.32	339.38	6113.58	-222.89	-222.76	22.30	0.08	223.88	174.28
6150.00	0.27	342.97	6138.58	-222.77	-222.64	22.26	0.21	223.75	174.29
6175.00	0.27	329.13	6163.58	-222.66	-222.53	22.21	0.26	223.64	174.30
6200.00	0.37	341.14	6188.58	-222.54	-222.41	22.15	0.47	223.51	174.31
6225.00	0.13	304.00	6213.58	-222.44	-222.32	22.10	1.09	223.41	174.32
6250.00	0.25	345.81	6238.58	-222.37	-222.25	22.07	0.71	223.34	174.33
6275.00	0.21	2.41	6263.58	-222.28	-222.15	22.05	0.32	223.24	174.33
6300.00	0.12	345.63	6288.58	-222.21	-222.08	22.05	0.41	223.17	174.33
6325.00	0.12	317.07	6313.58	-222.16	-222.04	22.03	0.24	223.13	174.33
6350.00	0.26	4.28	6338.58	-222.09	-221.96	22.01	0.80	223.05	174.34
6375.00	0.23	322.87	6363.58	-221.99	-221.86	21.99	0.71	222.95	174.34
6400.00	0.21	349.69	6388.58	-221.90	-221.78	21.95	0.42	222.86	174.35
6425.00	0.33	317.26	6413.58	-221.80	-221.68	21.89	0.75	222.76	174.36
6450.00	0.24	2.09	6438.58	-221.70	-221.57	21.84	0.93	222.65	174.37

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	0.25	302.30	6463.58	-221.62	-221.49	21.80	0.98	222.56	174.38
6500.00	0.21	345.77	6488.58	-221.54	-221.42	21.74	0.70	222.48	174.39
6525.00	0.39	336.15	6513.58	-221.42	-221.30	21.70	0.75	222.36	174.40
6550.00	0.26	336.69	6538.58	-221.29	-221.17	21.64	0.51	222.22	174.41
6575.00	0.17	302.25	6563.58	-221.22	-221.09	21.59	0.63	222.15	174.42
6600.00	0.18	344.27	6588.58	-221.16	-221.04	21.54	0.50	222.08	174.43
6625.00	0.24	354.37	6613.58	-221.07	-220.95	21.53	0.29	221.99	174.43
6650.00	0.26	330.52	6638.58	-220.97	-220.84	21.50	0.42	221.89	174.44
6675.00	0.24	358.70	6663.58	-220.86	-220.74	21.47	0.50	221.78	174.45
6700.00	0.29	338.63	6688.58	-220.75	-220.63	21.44	0.42	221.67	174.45
6725.00	0.19	334.47	6713.58	-220.65	-220.53	21.40	0.40	221.57	174.46
6750.00	0.25	354.00	6738.58	-220.56	-220.44	21.38	0.38	221.47	174.46
6775.00	0.21	329.27	6763.58	-220.47	-220.34	21.35	0.42	221.38	174.47
6800.00	0.28	352.86	6788.58	-220.37	-220.24	21.32	0.48	221.27	174.47
6825.00	0.23	347.11	6813.58	-220.26	-220.13	21.30	0.22	221.16	174.47
6850.00	0.10	338.30	6838.58	-220.19	-220.06	21.28	0.53	221.09	174.48
6875.00	0.21	352.35	6863.58	-220.12	-220.00	21.26	0.48	221.02	174.48
6900.00	0.13	284.60	6888.58	-220.07	-219.94	21.23	0.81	220.97	174.49
6925.00	0.16	139.19	6913.58	-220.09	-219.96	21.23	1.08	220.99	174.49
6950.00	0.44	172.66	6938.58	-220.21	-220.08	21.26	1.28	221.11	174.48
6975.00	0.39	152.43	6963.58	-220.38	-220.25	21.31	0.61	221.28	174.47
7000.00	0.73	169.20	6988.57	-220.61	-220.49	21.38	1.47	221.52	174.46
7025.00	0.68	164.91	7013.57	-220.91	-220.78	21.45	0.29	221.82	174.45
7050.00	0.75	173.12	7038.57	-221.21	-221.09	21.51	0.49	222.13	174.44
7075.00	0.72	170.77	7063.57	-221.53	-221.41	21.55	0.16	222.45	174.44
7100.00	0.77	166.82	7088.57	-221.85	-221.72	21.62	0.28	222.78	174.43
7125.00	0.81	172.51	7113.56	-222.19	-222.06	21.68	0.36	223.12	174.42
7150.00	0.86	170.88	7138.56	-222.55	-222.42	21.73	0.22	223.48	174.42
7175.00	0.75	171.74	7163.56	-222.90	-222.77	21.78	0.45	223.84	174.42
7200.00	0.74	167.98	7188.56	-223.22	-223.09	21.84	0.20	224.16	174.41
7225.00	0.75	166.52	7213.55	-223.54	-223.41	21.91	0.08	224.48	174.40
7250.00	0.67	164.43	7238.55	-223.84	-223.71	21.99	0.34	224.79	174.39

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	0.83	171.11	7263.55	-224.16	-224.03	22.06	0.73	225.11	174.38
7300.00	0.79	170.25	7288.55	-224.51	-224.38	22.11	0.18	225.47	174.37
7325.00	0.78	178.79	7313.55	-224.85	-224.72	22.15	0.47	225.81	174.37
7350.00	0.78	170.83	7338.54	-225.18	-225.06	22.18	0.43	226.15	174.37
7375.00	0.84	168.60	7363.54	-225.53	-225.40	22.24	0.28	226.50	174.36
7400.00	0.79	169.36	7388.54	-225.88	-225.75	22.31	0.21	226.85	174.36
7425.00	0.72	169.29	7413.54	-226.20	-226.07	22.37	0.27	227.18	174.35
7450.00	0.54	176.29	7438.53	-226.47	-226.34	22.41	0.76	227.45	174.35
7475.00	0.10	155.45	7463.53	-226.61	-226.48	22.42	1.79	227.59	174.35
7500.00	0.20	260.18	7488.53	-226.64	-226.51	22.39	0.98	227.62	174.35
7525.00	0.16	309.60	7513.53	-226.62	-226.50	22.32	0.61	227.59	174.37
7550.00	0.24	316.27	7538.53	-226.56	-226.44	22.26	0.32	227.53	174.39
7575.00	0.26	313.78	7563.53	-226.49	-226.36	22.18	0.11	227.44	174.40
7600.00	0.31	314.92	7588.53	-226.40	-226.27	22.09	0.19	227.35	174.42
7625.00	0.32	316.09	7613.53	-226.30	-226.17	21.99	0.06	227.24	174.45
7650.00	0.35	311.46	7638.53	-226.20	-226.07	21.89	0.16	227.13	174.47
7675.00	0.38	312.11	7663.53	-226.09	-225.96	21.77	0.10	227.01	174.50
7700.00	0.29	301.38	7688.53	-226.00	-225.87	21.65	0.42	226.91	174.52
7725.00	0.32	306.16	7713.53	-225.92	-225.80	21.54	0.16	226.82	174.55
7750.00	0.36	285.46	7738.53	-225.86	-225.74	21.41	0.51	226.75	174.58
7775.00	0.44	303.71	7763.53	-225.78	-225.66	21.25	0.58	226.66	174.62
7800.00	0.35	310.54	7788.53	-225.68	-225.56	21.11	0.41	226.55	174.65
7825.00	0.40	309.02	7813.53	-225.58	-225.46	20.99	0.22	226.43	174.68
7850.00	0.39	304.16	7838.53	-225.47	-225.35	20.85	0.14	226.32	174.71
7875.00	0.53	307.85	7863.53	-225.35	-225.24	20.69	0.56	226.18	174.75
7900.00	0.51	297.75	7888.53	-225.23	-225.11	20.50	0.37	226.04	174.80
7925.00	0.45	300.45	7913.53	-225.13	-225.01	20.32	0.24	225.93	174.84
7950.00	0.56	292.56	7938.52	-225.03	-224.91	20.12	0.52	225.81	174.89
7975.00	0.57	287.85	7963.52	-224.94	-224.83	19.89	0.19	225.71	174.95
8000.00	0.46	291.21	7988.52	-224.87	-224.75	19.67	0.44	225.61	175.00
8025.00	0.49	286.43	8013.52	-224.80	-224.69	19.48	0.18	225.53	175.05
8050.00	0.52	296.15	8038.52	-224.72	-224.61	19.28	0.36	225.43	175.10

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	0.44	301.71	8063.52	-224.62	-224.51	19.09	0.38	225.32	175.14
8100.00	0.44	289.73	8088.52	-224.53	-224.43	18.92	0.37	225.22	175.18
8125.00	0.46	274.91	8113.52	-224.49	-224.38	18.73	0.47	225.16	175.23
8150.00	0.40	269.05	8138.52	-224.48	-224.38	18.54	0.29	225.14	175.28
8175.00	0.56	286.54	8163.52	-224.45	-224.34	18.34	0.84	225.09	175.33
8200.00	0.49	280.10	8188.52	-224.39	-224.29	18.11	0.36	225.02	175.38
8225.00	0.50	284.05	8213.51	-224.35	-224.25	17.90	0.14	224.96	175.44
8250.00	0.55	272.70	8238.51	-224.31	-224.21	17.68	0.47	224.91	175.49
8275.00	0.63	279.41	8263.51	-224.28	-224.18	17.42	0.43	224.86	175.56
8300.00	0.52	284.58	8288.51	-224.23	-224.13	17.17	0.51	224.79	175.62
8325.00	0.55	285.72	8313.51	-224.17	-224.07	16.95	0.12	224.71	175.67
8350.00	0.57	279.71	8338.51	-224.12	-224.02	16.71	0.26	224.64	175.73
8375.00	0.44	275.95	8363.51	-224.08	-223.99	16.49	0.55	224.60	175.79
8400.00	0.49	290.67	8388.51	-224.03	-223.94	16.30	0.52	224.53	175.84
8425.00	0.49	291.34	8413.51	-223.96	-223.86	16.10	0.03	224.44	175.89
8450.00	0.48	296.80	8438.51	-223.87	-223.78	15.91	0.19	224.34	175.93
8475.00	0.39	271.72	8463.50	-223.82	-223.73	15.73	0.83	224.28	175.98
8500.00	0.53	269.85	8488.50	-223.81	-223.73	15.53	0.57	224.26	176.03
8525.00	0.37	280.76	8513.50	-223.80	-223.71	15.33	0.74	224.24	176.08
8550.00	0.41	286.19	8538.50	-223.76	-223.67	15.17	0.23	224.19	176.12
8575.00	0.61	277.01	8563.50	-223.72	-223.63	14.95	0.85	224.13	176.18
8600.00	0.41	279.40	8588.50	-223.68	-223.60	14.73	0.81	224.09	176.23
8625.00	0.31	272.92	8613.50	-223.66	-223.58	14.58	0.42	224.06	176.27
8650.00	0.49	271.56	8638.50	-223.66	-223.58	14.40	0.74	224.04	176.31
8675.00	0.48	273.35	8663.50	-223.65	-223.57	14.19	0.09	224.02	176.37
8700.00	0.43	268.91	8688.50	-223.64	-223.56	13.99	0.23	224.00	176.42
8725.00	0.56	274.70	8713.50	-223.63	-223.55	13.78	0.56	223.98	176.47
8750.00	0.40	277.58	8738.50	-223.61	-223.53	13.57	0.65	223.94	176.53
8775.00	0.40	266.46	8763.50	-223.60	-223.53	13.39	0.31	223.93	176.57
8800.00	0.44	276.76	8788.49	-223.60	-223.52	13.21	0.35	223.91	176.62
8825.00	0.43	285.00	8813.49	-223.56	-223.49	13.02	0.26	223.86	176.66
8850.00	0.53	268.69	8838.49	-223.54	-223.46	12.82	0.68	223.83	176.72

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
8875.00	0.42	277.92	8863.49	-223.52	-223.45	12.61	0.54	223.81	176.77
8900.00	0.49	273.78	8888.49	-223.50	-223.43	12.41	0.31	223.78	176.82
8925.00	0.45	278.07	8913.49	-223.48	-223.41	12.21	0.21	223.75	176.87
8950.00	0.55	274.05	8938.49	-223.46	-223.39	11.99	0.44	223.71	176.93
8975.00	0.57	265.65	8963.49	-223.46	-223.39	11.75	0.34	223.70	176.99
9000.00	0.51	263.50	8988.49	-223.48	-223.41	11.51	0.27	223.71	177.05
9025.00	0.54	272.70	9013.49	-223.48	-223.42	11.29	0.37	223.71	177.11
9050.00	0.58	261.95	9038.48	-223.49	-223.43	11.04	0.44	223.71	177.17
9075.00	0.65	262.73	9063.48	-223.53	-223.47	10.78	0.28	223.73	177.24
9100.00	0.67	258.89	9088.48	-223.57	-223.51	10.49	0.20	223.76	177.31
9125.00	0.79	258.54	9113.48	-223.63	-223.58	10.18	0.46	223.81	177.39
9150.00	0.90	259.57	9138.48	-223.70	-223.65	9.82	0.45	223.86	177.49
9175.00	0.92	258.05	9163.47	-223.78	-223.72	9.43	0.13	223.92	177.59
9200.00	1.19	256.05	9188.47	-223.88	-223.83	8.98	1.10	224.01	177.70
9225.00	1.28	256.11	9213.46	-224.00	-223.96	8.46	0.36	224.12	177.84
9250.00	1.34	252.64	9238.46	-224.15	-224.11	7.91	0.41	224.25	177.98
9275.00	1.22	255.96	9263.45	-224.30	-224.26	7.37	0.57	224.38	178.12
9300.00	1.45	255.55	9288.44	-224.44	-224.41	6.81	0.92	224.51	178.26
9325.00	1.29	254.29	9313.44	-224.60	-224.56	6.23	0.67	224.65	178.41
9350.00	1.42	258.81	9338.43	-224.73	-224.70	5.65	0.68	224.77	178.56
9375.00	1.44	256.73	9363.42	-224.86	-224.83	5.05	0.22	224.89	178.71
9400.00	1.32	259.49	9388.42	-224.98	-224.96	4.46	0.53	225.00	178.87
9425.00	1.34	256.51	9413.41	-225.10	-225.08	3.89	0.29	225.11	179.01
9450.00	1.37	256.30	9438.40	-225.23	-225.22	3.31	0.09	225.24	179.16
9475.00	1.32	254.45	9463.39	-225.38	-225.36	2.75	0.26	225.38	179.30
9500.00	1.28	247.76	9488.39	-225.56	-225.55	2.21	0.63	225.56	179.44
9525.00	1.28	253.56	9513.38	-225.74	-225.73	1.68	0.52	225.74	179.57
9550.00	1.41	249.06	9538.37	-225.92	-225.92	1.13	0.69	225.92	179.71
9575.00	1.51	245.18	9563.37	-226.17	-226.17	0.54	0.56	226.17	179.86
9600.00	1.48	245.17	9588.36	-226.44	-226.44	-0.05	0.14	226.44	180.01
9625.00	1.57	245.61	9613.35	-226.71	-226.72	-0.66	0.39	226.72	180.17
9650.00	1.50	246.67	9638.34	-226.98	-226.99	-1.27	0.30	226.99	180.32

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	1.40	241.44	9663.33	-227.25	-227.27	-1.84	0.68	227.27	180.46
9700.00	1.64	246.91	9688.32	-227.53	-227.55	-2.43	1.12	227.56	180.61
9725.00	1.73	252.20	9713.31	-227.78	-227.81	-3.12	0.72	227.83	180.78
9750.00	1.76	249.36	9738.30	-228.03	-228.06	-3.84	0.36	228.09	180.96
9775.00	1.68	251.10	9763.29	-228.28	-228.31	-4.54	0.38	228.36	181.14
9800.00	1.91	253.38	9788.28	-228.51	-228.55	-5.29	0.99	228.61	181.33
9825.00	1.87	250.34	9813.26	-228.76	-228.80	-6.07	0.44	228.89	181.52
9850.00	2.00	250.05	9838.25	-229.05	-229.09	-6.87	0.53	229.19	181.72
9875.00	2.07	249.80	9863.23	-229.35	-229.40	-7.70	0.28	229.53	181.92
9900.00	1.99	248.62	9888.22	-229.66	-229.71	-8.53	0.37	229.87	182.13
9925.00	2.09	249.17	9913.20	-229.97	-230.03	-9.36	0.42	230.22	182.33
9950.00	2.12	246.14	9938.19	-230.32	-230.38	-10.21	0.46	230.61	182.54
9975.00	1.83	242.57	9963.17	-230.68	-230.75	-10.99	1.26	231.01	182.73
10000.00	1.51	229.70	9988.16	-231.07	-231.15	-11.59	1.96	231.44	182.87
10025.00	1.36	216.60	10013.15	-231.52	-231.60	-12.02	1.43	231.91	182.97
10050.00	1.17	216.25	10038.15	-231.96	-232.04	-12.35	0.76	232.37	183.05
10075.00	1.21	208.73	10063.14	-232.40	-232.48	-12.62	0.64	232.82	183.11
10100.00	1.19	210.36	10088.14	-232.85	-232.93	-12.88	0.17	233.29	183.17
10125.00	1.20	214.30	10113.13	-233.29	-233.37	-13.16	0.33	233.74	183.23
10150.00	1.37	208.66	10138.12	-233.77	-233.85	-13.45	0.86	234.24	183.29
10175.00	1.21	213.15	10163.12	-234.25	-234.33	-13.74	0.76	234.73	183.35
10200.00	1.34	214.28	10188.11	-234.71	-234.79	-14.05	0.53	235.21	183.42
10225.00	1.05	211.80	10213.11	-235.14	-235.23	-14.33	1.19	235.67	183.49
10250.00	0.24	109.47	10238.10	-235.35	-235.44	-14.40	4.49	235.88	183.50
10275.00	0.76	50.01	10263.10	-235.26	-235.35	-14.23	2.67	235.78	183.46
10300.00	1.05	43.47	10288.10	-234.99	-235.08	-13.94	1.23	235.49	183.39
10325.00	1.12	41.98	10313.10	-234.65	-234.73	-13.62	0.29	235.13	183.32
10350.00	1.26	42.48	10338.09	-234.27	-234.35	-13.27	0.57	234.73	183.24
10375.00	1.15	48.73	10363.09	-233.90	-233.98	-12.90	0.67	234.34	183.16
10400.00	1.20	41.66	10388.08	-233.54	-233.62	-12.54	0.61	233.96	183.07
10425.00	1.41	40.78	10413.07	-233.11	-233.19	-12.16	0.87	233.51	182.99
10450.00	1.30	39.82	10438.07	-232.66	-232.74	-11.78	0.45	233.04	182.90

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	1.39	45.44	10463.06	-232.24	-232.31	-11.38	0.62	232.59	182.80
10500.00	1.41	42.00	10488.05	-231.80	-231.87	-10.96	0.35	232.12	182.71
10525.00	1.56	49.31	10513.04	-231.35	-231.42	-10.49	0.94	231.65	182.60
10550.00	1.68	50.16	10538.03	-230.90	-230.96	-9.95	0.52	231.17	182.47
10575.00	1.53	60.60	10563.02	-230.50	-230.56	-9.38	1.32	230.75	182.33
10600.00	1.72	62.93	10588.01	-230.17	-230.23	-8.76	0.82	230.39	182.18
10625.00	1.78	70.78	10613.00	-229.88	-229.93	-8.06	0.99	230.07	182.01
10650.00	1.87	73.31	10637.99	-229.63	-229.68	-7.30	0.48	229.80	181.82
10675.00	1.93	88.99	10662.98	-229.51	-229.56	-6.49	2.09	229.65	181.62
10700.00	2.00	87.04	10687.96	-229.49	-229.53	-5.63	0.40	229.60	181.40
10725.00	2.18	90.70	10712.94	-229.48	-229.51	-4.72	0.89	229.56	181.18
10750.00	2.22	90.82	10737.93	-229.50	-229.52	-3.76	0.14	229.55	180.94
10775.00	2.18	93.83	10762.91	-229.54	-229.56	-2.80	0.48	229.58	180.70
10800.00	2.21	97.30	10787.89	-229.64	-229.65	-1.85	0.54	229.66	180.46
10825.00	2.27	95.94	10812.87	-229.76	-229.77	-0.87	0.34	229.77	180.22
10850.00	2.31	97.37	10837.85	-229.88	-229.88	0.12	0.27	229.88	179.97
10875.00	2.27	101.02	10862.83	-230.05	-230.04	1.10	0.60	230.05	179.73
10900.00	2.31	106.90	10887.81	-230.29	-230.28	2.07	0.95	230.29	179.48
10925.00	2.27	109.26	10912.79	-230.61	-230.59	3.02	0.41	230.61	179.25
10950.00	2.22	112.24	10937.77	-230.96	-230.94	3.94	0.52	230.97	179.02
10975.00	2.28	114.71	10962.75	-231.36	-231.33	4.84	0.48	231.38	178.80
11000.00	2.25	118.64	10987.73	-231.80	-231.78	5.72	0.64	231.85	178.59
11025.00	2.28	120.56	11012.71	-232.30	-232.26	6.58	0.32	232.36	178.38
11050.00	2.36	120.67	11037.69	-232.82	-232.78	7.45	0.31	232.90	178.17
11075.00	2.34	122.89	11062.67	-233.36	-233.32	8.32	0.37	233.47	177.96
11100.00	2.40	127.52	11087.65	-233.96	-233.91	9.16	0.81	234.09	177.76
11125.00	2.59	127.19	11112.63	-234.63	-234.57	10.03	0.73	234.79	177.55
11150.00	2.65	131.46	11137.60	-235.36	-235.30	10.91	0.82	235.55	177.35
11175.00	2.64	134.94	11162.57	-236.15	-236.08	11.75	0.64	236.38	177.15
11200.00	2.61	140.39	11187.55	-237.00	-236.93	12.52	1.00	237.26	176.98
11225.00	2.34	147.09	11212.52	-237.87	-237.80	13.16	1.59	238.16	176.83
11250.00	1.83	152.34	11237.51	-238.66	-238.58	13.62	2.18	238.97	176.73

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS %/100ft	CLOSURE DIST ft	CLOSURE DIR deg
11275.00	1.41	161.30	11262.50	-239.30	-239.22	13.91	1.96	239.63	176.67
11300.00	1.24	169.97	11287.49	-239.86	-239.78	14.05	1.04	240.19	176.65
11325.00	0.91	184.68	11312.49	-240.32	-240.24	14.08	1.70	240.66	176.65
11350.00	0.76	202.56	11337.48	-240.67	-240.59	14.00	1.21	241.00	176.67
11375.00	0.79	221.81	11362.48	-240.95	-240.88	13.83	1.04	241.27	176.71
11400.00	0.83	235.02	11387.48	-241.18	-241.11	13.56	0.76	241.49	176.78
11425.00	0.84	254.06	11412.48	-241.34	-241.26	13.24	1.11	241.62	176.86
11440.00	0.87	249.23	11427.48	-241.41	-241.33	13.03	0.52	241.68	176.91