

COG

FEZ FEDERAL COM # 702 H

PRECISION DRILLING 595

3/10/2019

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

JAKE ELGER

Notarized this date 04 of APRIL, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



Scientific Drilling

The In Wellbore Placement

SURVEY REPORT

FEZ FEDERAL COM # 702 H

FINAL GYRO SURVEY

CUSTOMER
PROJECT
FIELD

COG
COG - FEZ FEDERAL COM # 702 H
WOLFBONE

SDI JOB NO.
SDI DISTRICT
SDI KIT/UNIT

OP.017102
Midland

SITE INFORMATION

Site Name
Lat/Long
Northing
Easting

FEZ FEDERAL COM # 702H
32.139506° N, 103.377518° W

Section
Township
Range

9
25
35 EAST

MAP INFORMATION

North Reference
Grid Correction
System
Datum
Map Zone

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

**WELL INFORMATION**

Lat/Long
Northing
Easting
UWI

32.1382805° N, 103.3769547° W

30-025-45278

DEPTH AND ELEVATION REFERENCE

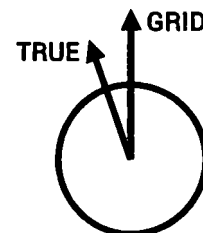
Ground Level
Reference Datum
Reference Height
Reference Elevation

3251.8 ft above Mean Sea
Level
RKB
25 ft above G.L.
3276.8 ft

VERTICAL SECTION REFERENCE

+N/-S
+E/-W
Proposal Direction
Calculation Method

0 ft
0 ft
2.16°
Minimum Curvature

**LOCAL GRAVITY REFERENCE INFORMATION**

Local Gravity
True to Grid

998.198 mG [computed]
subtract 0.51°

WELL NOTES**OPERATORS**

BRYAN DE JESUS, JESUS CARRILLO

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	0.84	359.88	100.00	0.73	0.73	0.00	0.84	0.73	359.88
125.00	1.02	343.11	124.99	1.13	1.13	-0.07	1.29	1.13	356.63
150.00	1.22	351.68	149.99	1.60	1.61	-0.17	1.05	1.61	353.97
175.00	1.45	348.66	174.98	2.17	2.18	-0.27	0.94	2.20	352.93
200.00	1.57	351.50	199.97	2.81	2.83	-0.38	0.57	2.85	352.29
225.00	1.62	348.88	224.96	3.49	3.51	-0.50	0.36	3.55	351.87
250.00	1.73	350.30	249.95	4.21	4.23	-0.63	0.47	4.28	351.48
275.00	1.79	347.06	274.94	4.95	4.98	-0.78	0.46	5.05	351.05
300.00	1.83	343.82	299.93	5.71	5.75	-0.98	0.45	5.83	350.29
325.00	1.73	337.84	324.92	6.43	6.48	-1.24	0.84	6.60	349.19
350.00	1.36	340.37	349.91	7.05	7.11	-1.48	1.51	7.27	348.24
375.00	1.35	338.15	374.90	7.60	7.67	-1.69	0.21	7.85	347.57
400.00	0.84	322.14	399.90	8.01	8.09	-1.91	2.38	8.31	346.69
425.00	0.71	315.37	424.89	8.26	8.34	-2.13	0.62	8.61	345.65
450.00	0.48	287.45	449.89	8.39	8.49	-2.34	1.46	8.80	344.56
475.00	0.50	267.16	474.89	8.41	8.51	-2.55	0.69	8.89	343.30
500.00	0.59	230.23	499.89	8.31	8.42	-2.76	1.42	8.87	341.86
525.00	0.74	223.18	524.89	8.11	8.22	-2.97	0.70	8.74	340.15
550.00	0.94	217.46	549.89	7.82	7.94	-3.21	0.87	8.57	338.02
575.00	1.09	216.84	574.88	7.45	7.59	-3.47	0.57	8.35	335.41
600.00	1.23	217.26	599.88	7.04	7.19	-3.78	0.57	8.12	332.28
625.00	1.28	211.07	624.87	6.58	6.74	-4.08	0.58	7.88	328.77
650.00	1.35	211.03	649.86	6.07	6.24	-4.38	0.28	7.63	324.96
675.00	1.21	208.15	674.86	5.58	5.76	-4.66	0.60	7.41	321.05
700.00	1.30	211.50	699.85	5.10	5.28	-4.93	0.44	7.23	317.00
725.00	1.23	213.27	724.85	4.62	4.82	-5.22	0.29	7.11	312.69
750.00	1.27	214.57	749.84	4.15	4.36	-5.53	0.20	7.04	308.29
775.00	1.28	215.06	774.83	3.68	3.91	-5.85	0.05	7.03	303.75
800.00	1.35	212.40	799.83	3.19	3.43	-6.17	0.37	7.05	299.09
825.00	1.27	217.56	824.82	2.71	2.96	-6.49	0.58	7.14	294.52
850.00	1.40	203.71	849.81	2.20	2.46	-6.78	1.40	7.22	289.95

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	1.40	197.81	874.81	1.63	1.89	-7.00	0.58	7.25	285.12
900.00	1.52	184.31	899.80	1.00	1.27	-7.12	1.45	7.23	280.12
925.00	1.60	184.61	924.79	0.32	0.59	-7.17	0.35	7.20	274.71
950.00	1.59	181.69	949.78	-0.38	-0.10	-7.21	0.33	7.21	269.18
975.00	1.55	182.70	974.77	-1.06	-0.79	-7.24	0.18	7.28	263.78
1000.00	1.63	184.67	999.76	-1.75	-1.48	-7.28	0.37	7.43	258.50
1025.00	1.64	183.88	1024.75	-2.47	-2.19	-7.33	0.09	7.65	253.36
1050.00	1.64	182.00	1049.74	-3.18	-2.91	-7.37	0.22	7.92	248.48
1075.00	1.61	181.46	1074.73	-3.89	-3.61	-7.39	0.16	8.23	243.95
1100.00	1.57	183.74	1099.72	-4.58	-4.31	-7.42	0.28	8.58	239.88
1125.00	1.64	181.55	1124.71	-5.28	-5.01	-7.46	0.36	8.98	236.12
1150.00	1.62	185.34	1149.70	-6.00	-5.72	-7.50	0.44	9.43	232.68
1175.00	1.65	184.16	1174.69	-6.71	-6.43	-7.56	0.18	9.92	229.61
1200.00	1.45	177.07	1199.68	-7.38	-7.10	-7.57	1.13	10.38	226.80
1225.00	1.14	159.49	1224.67	-7.93	-7.65	-7.46	2.00	10.69	224.28
1250.00	1.18	124.96	1249.67	-8.30	-8.03	-7.17	2.76	10.76	221.74
1275.00	1.30	99.64	1274.66	-8.47	-8.23	-6.67	2.22	10.59	219.05
1300.00	2.11	76.27	1299.65	-8.38	-8.17	-5.95	4.19	10.10	216.07
1325.00	2.73	66.54	1324.63	-8.00	-7.82	-4.96	2.96	9.26	212.37
1350.00	3.71	59.54	1349.59	-7.31	-7.17	-3.72	4.23	8.08	207.38
1375.00	3.99	59.29	1374.53	-6.40	-6.32	-2.27	1.15	6.71	199.76
1400.00	4.37	58.21	1399.47	-5.40	-5.37	-0.71	1.52	5.42	187.55
1425.00	4.48	58.67	1424.39	-4.33	-4.36	0.93	0.47	4.46	167.97
1450.00	4.47	57.97	1449.32	-3.24	-3.34	2.59	0.22	4.23	142.22
1475.00	4.49	61.20	1474.24	-2.19	-2.35	4.27	1.01	4.88	118.84
1500.00	4.53	63.38	1499.16	-1.21	-1.44	6.01	0.70	6.18	103.46
1525.00	4.85	73.93	1524.08	-0.41	-0.70	7.91	3.67	7.94	95.09
1550.00	5.02	79.30	1548.99	0.17	-0.21	10.00	1.97	10.00	91.20
1575.00	5.36	84.34	1573.89	0.57	0.11	12.24	2.26	12.24	89.49
1600.00	5.26	88.76	1598.78	0.80	0.25	14.54	1.68	14.55	89.02
1625.00	5.63	96.83	1623.67	0.77	0.13	16.91	3.40	16.91	89.57
1650.00	5.73	101.53	1648.54	0.46	-0.27	19.35	1.90	19.35	90.79

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
1675.00	6.07	105.73	1673.41	-0.05	-0.88	21.85	2.21	21.86	92.29
1700.00	5.97	105.91	1698.27	-0.67	-1.59	24.37	0.40	24.42	93.73
1725.00	6.07	106.34	1723.13	-1.30	-2.32	26.89	0.43	26.99	94.93
1750.00	6.08	106.97	1747.99	-1.97	-3.08	29.42	0.27	29.58	95.97
1775.00	6.21	106.75	1772.85	-2.65	-3.85	31.98	0.55	32.22	96.87
1800.00	6.26	106.98	1797.70	-3.33	-4.64	34.58	0.23	34.89	97.64
1825.00	6.26	107.61	1822.55	-4.05	-5.45	37.19	0.28	37.59	98.34
1850.00	6.30	107.18	1847.40	-4.77	-6.27	39.80	0.25	40.29	98.95
1875.00	6.32	108.11	1872.25	-5.50	-7.10	42.42	0.42	43.01	99.51
1900.00	6.28	108.99	1897.10	-6.27	-7.98	45.02	0.42	45.72	100.05
1925.00	6.41	108.87	1921.95	-7.07	-8.87	47.63	0.50	48.45	100.55
1950.00	6.36	109.11	1946.79	-7.88	-9.78	50.26	0.20	51.20	101.01
1975.00	6.24	115.63	1971.64	-8.82	-10.82	52.79	2.90	53.89	101.58
2000.00	6.36	117.69	1996.49	-9.96	-12.05	55.25	1.03	56.54	102.30
2025.00	6.29	122.88	2021.34	-11.25	-13.44	57.62	2.30	59.17	103.13
2050.00	6.28	124.07	2046.19	-12.68	-14.95	59.91	0.52	61.74	104.01
2075.00	6.34	124.74	2071.04	-14.14	-16.50	62.17	0.39	64.33	104.86
2100.00	6.36	125.84	2095.88	-15.66	-18.10	64.43	0.49	66.93	105.69
2125.00	6.33	126.38	2120.73	-17.20	-19.73	66.66	0.27	69.52	106.48
2150.00	6.34	128.97	2145.58	-18.80	-21.41	68.85	1.15	72.10	107.28
2175.00	6.25	130.88	2170.43	-20.48	-23.17	70.95	0.92	74.64	108.09
2200.00	6.27	131.40	2195.28	-22.19	-24.96	73.00	0.24	77.15	108.88
2225.00	6.32	132.15	2220.13	-23.94	-26.79	75.04	0.38	79.68	109.64
2250.00	6.25	132.47	2244.98	-25.70	-28.63	77.07	0.29	82.21	110.38
2275.00	6.33	132.84	2269.83	-27.48	-30.49	79.08	0.37	84.76	111.08
2300.00	6.32	133.64	2294.67	-29.29	-32.37	81.09	0.36	87.31	111.76
2325.00	6.39	132.98	2319.52	-31.11	-34.27	83.10	0.41	89.89	112.41
2350.00	6.39	133.79	2344.37	-32.95	-36.18	85.12	0.36	92.49	113.03
2375.00	6.40	134.02	2369.21	-34.80	-38.11	87.13	0.13	95.10	113.62
2400.00	6.39	134.59	2394.05	-36.67	-40.06	89.12	0.26	97.71	114.20
2425.00	5.85	139.99	2418.91	-38.55	-42.01	90.93	3.15	100.17	114.80
2450.00	5.76	141.63	2443.78	-40.45	-43.97	92.53	0.77	102.45	115.42

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	5.47	143.94	2468.66	-42.34	-45.92	94.01	1.45	104.63	116.03
2500.00	5.39	143.78	2493.55	-44.20	-47.83	95.41	0.35	106.72	116.62
2525.00	5.42	144.04	2518.44	-46.05	-49.73	96.79	0.17	108.82	117.19
2550.00	5.51	144.45	2543.33	-47.92	-51.66	98.19	0.40	110.95	117.75
2575.00	5.52	143.65	2568.21	-49.81	-53.61	99.60	0.31	113.11	118.29
2600.00	5.41	144.04	2593.10	-51.68	-55.53	101.00	0.47	115.26	118.80
2625.00	5.53	143.31	2617.98	-53.55	-57.45	102.41	0.56	117.42	119.29
2650.00	5.56	144.06	2642.87	-55.44	-59.39	103.84	0.32	119.62	119.77
2675.00	5.50	145.12	2667.75	-57.34	-61.35	105.24	0.47	121.81	120.24
2700.00	5.45	142.05	2692.64	-59.21	-63.27	106.65	1.19	124.01	120.68
2725.00	5.47	142.26	2717.52	-61.03	-65.15	108.11	0.12	126.22	121.07
2750.00	5.47	142.65	2742.41	-62.86	-67.04	109.56	0.15	128.44	121.46
2775.00	5.56	141.42	2767.29	-64.70	-68.93	111.04	0.61	130.69	121.83
2800.00	5.51	139.85	2792.18	-66.50	-70.80	112.57	0.64	132.98	122.17
2825.00	5.51	139.28	2817.06	-68.27	-72.62	114.13	0.22	135.27	122.47
2850.00	5.57	138.26	2841.95	-70.02	-74.44	115.72	0.45	137.59	122.75
2875.00	5.42	132.92	2866.83	-71.67	-76.15	117.39	2.12	139.92	122.97
2900.00	5.32	127.83	2891.72	-73.11	-77.66	119.17	1.95	142.24	123.09
2925.00	5.09	122.83	2916.62	-74.36	-78.97	121.01	2.03	144.50	123.13
2950.00	5.18	121.13	2941.52	-75.47	-80.16	122.91	0.72	146.74	123.11
2975.00	5.17	118.17	2966.42	-76.51	-81.27	124.87	1.07	148.99	123.06
3000.00	5.18	117.97	2991.31	-77.49	-82.33	126.86	0.07	151.24	122.98
3025.00	5.26	116.61	3016.21	-78.46	-83.38	128.88	0.59	153.50	122.90
3050.00	5.31	115.88	3041.10	-79.40	-84.39	130.94	0.33	155.78	122.80
3075.00	5.32	115.08	3066.00	-80.31	-85.39	133.04	0.30	158.08	122.69
3100.00	5.30	113.65	3090.89	-81.19	-86.34	135.14	0.54	160.37	122.57
3125.00	5.46	111.82	3115.78	-82.01	-87.25	137.30	0.95	162.68	122.43
3150.00	5.31	111.96	3140.67	-82.80	-88.12	139.48	0.59	164.99	122.28
3175.00	5.42	110.78	3165.56	-83.57	-88.98	141.66	0.60	167.28	122.13
3200.00	5.45	110.32	3190.45	-84.32	-89.81	143.88	0.21	169.60	121.97
3225.00	5.47	110.05	3215.33	-85.06	-90.63	146.11	0.15	171.93	121.81
3250.00	5.60	109.01	3240.22	-85.78	-91.43	148.38	0.63	174.29	121.64

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	5.69	108.01	3265.10	-86.47	-92.21	150.71	0.53	176.68	121.46
3300.00	5.65	108.67	3289.97	-87.15	-92.99	153.05	0.31	179.09	121.28
3325.00	5.71	108.13	3314.85	-87.85	-93.77	155.40	0.34	181.50	121.11
3350.00	5.85	107.62	3339.72	-88.53	-94.54	157.80	0.58	183.95	120.93
3375.00	5.86	107.50	3364.59	-89.21	-95.31	160.23	0.07	186.43	120.75
3400.00	5.98	108.49	3389.46	-89.91	-96.11	162.68	0.63	188.95	120.57
3425.00	6.08	107.01	3414.32	-90.62	-96.91	165.18	0.74	191.51	120.40
3450.00	6.16	108.10	3439.18	-91.32	-97.71	167.72	0.56	194.11	120.22
3475.00	6.19	108.37	3464.03	-92.07	-98.56	170.28	0.18	196.74	120.06
3500.00	6.58	111.90	3488.88	-92.93	-99.51	172.89	2.20	199.48	119.93
3525.00	7.02	114.41	3513.70	-93.99	-100.68	175.61	2.11	202.42	119.83
3550.00	7.25	117.00	3538.51	-95.23	-102.03	178.40	1.59	205.52	119.77
3575.00	7.35	118.62	3563.31	-96.61	-103.51	181.21	0.91	208.69	119.74
3600.00	7.46	118.52	3588.10	-98.04	-105.05	184.04	0.43	211.91	119.72
3625.00	7.47	119.61	3612.89	-99.51	-106.63	186.88	0.57	215.16	119.71
3650.00	7.60	119.68	3637.67	-101.02	-108.25	189.73	0.53	218.43	119.71
3675.00	7.41	122.89	3662.46	-102.61	-109.94	192.52	1.83	221.70	119.73
3700.00	7.32	129.24	3687.25	-104.39	-111.83	195.10	3.27	224.88	119.82
3725.00	7.13	133.20	3712.05	-106.37	-113.89	197.47	2.14	227.96	119.98
3750.00	7.18	135.35	3736.86	-108.46	-116.07	199.70	1.09	230.98	120.17
3775.00	7.14	137.06	3761.66	-110.62	-118.32	201.85	0.86	233.97	120.38
3800.00	7.22	137.33	3786.47	-112.83	-120.61	203.98	0.34	236.96	120.60
3825.00	7.02	139.39	3811.28	-115.07	-122.92	206.03	1.29	239.92	120.82
3850.00	7.03	139.10	3836.09	-117.31	-125.24	208.03	0.15	242.82	121.05
3875.00	6.27	144.24	3860.92	-119.51	-127.51	209.83	3.86	245.53	121.29
3900.00	6.10	144.82	3885.77	-121.64	-129.70	211.40	0.72	248.01	121.53
3925.00	5.72	147.92	3910.64	-123.73	-131.84	212.82	1.98	250.35	121.78
3950.00	5.80	147.16	3935.51	-125.79	-133.96	214.17	0.44	252.62	122.03
3975.00	5.66	147.16	3960.39	-127.84	-136.06	215.52	0.59	254.88	122.26
4000.00	5.84	147.16	3985.26	-129.89	-138.16	216.88	0.74	257.15	122.50
4025.00	5.78	147.70	4010.14	-131.97	-140.29	218.25	0.32	259.45	122.73
4050.00	5.87	147.74	4035.01	-134.06	-142.44	219.60	0.36	261.75	122.97

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	5.81	148.06	4059.88	-136.16	-144.60	220.95	0.27	264.06	123.20
4100.00	5.92	147.38	4084.75	-138.27	-146.75	222.32	0.50	266.39	123.43
4125.00	5.84	147.50	4109.61	-140.38	-148.91	223.70	0.30	268.73	123.65
4150.00	5.91	148.52	4134.48	-142.49	-151.08	225.05	0.49	271.06	123.87
4175.00	5.92	146.98	4159.35	-144.62	-153.26	226.43	0.64	273.42	124.09
4200.00	5.92	146.13	4184.22	-146.72	-155.41	227.85	0.35	275.80	124.30
4225.00	6.12	142.80	4209.08	-148.79	-157.55	229.37	1.62	278.27	124.48
4250.00	6.39	140.54	4233.93	-150.86	-159.68	231.06	1.46	280.87	124.65
4275.00	6.37	140.28	4258.77	-152.93	-161.82	232.83	0.14	283.55	124.80
4300.00	6.49	139.26	4283.62	-155.00	-163.96	234.64	0.65	286.25	124.94
4325.00	6.45	139.78	4308.46	-157.07	-166.10	236.47	0.28	288.98	125.09
4350.00	6.68	138.63	4333.29	-159.16	-168.27	238.34	1.05	291.75	125.22
4375.00	6.60	138.57	4358.13	-161.26	-170.43	240.25	0.32	294.56	125.35
4400.00	6.54	138.00	4382.96	-163.32	-172.57	242.15	0.37	297.35	125.48
4425.00	6.34	137.60	4407.80	-165.32	-174.65	244.03	0.79	300.09	125.59
4450.00	5.83	135.27	4432.66	-167.18	-176.57	245.86	2.27	302.69	125.68
4475.00	5.45	132.70	4457.54	-168.82	-178.28	247.63	1.83	305.13	125.75
4500.00	5.27	131.83	4482.43	-170.32	-179.85	249.35	0.79	307.45	125.80
4525.00	5.21	131.78	4507.33	-171.78	-181.37	251.06	0.25	309.72	125.85
4550.00	5.12	130.51	4532.23	-173.19	-182.85	252.75	0.58	311.96	125.88
4575.00	5.48	128.47	4557.12	-174.59	-184.32	254.53	1.62	314.26	125.91
4600.00	5.55	126.78	4582.00	-175.99	-185.78	256.44	0.71	316.66	125.92
4625.00	5.50	125.42	4606.89	-177.33	-187.20	258.38	0.57	319.07	125.92
4650.00	5.70	123.18	4631.77	-178.63	-188.58	260.40	1.21	321.51	125.91
4675.00	6.10	121.00	4656.64	-179.91	-189.94	262.57	1.81	324.07	125.88
4700.00	6.29	120.26	4681.49	-181.19	-191.31	264.89	0.83	326.76	125.84
4725.00	6.66	118.19	4706.33	-182.48	-192.69	267.36	1.76	329.56	125.78
4750.00	7.06	118.54	4731.15	-183.79	-194.11	269.98	1.59	332.52	125.71
4775.00	7.22	118.40	4755.96	-185.17	-195.59	272.71	0.64	335.60	125.65
4800.00	7.35	117.71	4780.76	-186.55	-197.08	275.51	0.62	338.74	125.58
4825.00	7.37	118.50	4805.55	-187.95	-198.59	278.33	0.42	341.91	125.51
4850.00	7.32	118.11	4830.35	-189.36	-200.10	281.14	0.30	345.08	125.44

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
4875.00	7.40	118.02	4855.14	-190.76	-201.61	283.97	0.34	348.26	125.37
4900.00	7.44	118.44	4879.93	-192.18	-203.13	286.81	0.27	351.46	125.31
4925.00	7.32	118.47	4904.72	-193.60	-204.67	289.64	0.46	354.65	125.25
4950.00	7.48	118.05	4929.52	-195.02	-206.19	292.48	0.67	357.85	125.18
4975.00	7.42	118.98	4954.30	-196.46	-207.74	295.32	0.54	361.07	125.12
5000.00	7.45	118.62	4979.09	-197.91	-209.30	298.16	0.22	364.29	125.07
5025.00	7.14	118.26	5003.89	-199.31	-210.81	300.95	1.24	367.44	125.01
5050.00	6.51	116.42	5028.71	-200.58	-212.17	303.59	2.65	370.38	124.95
5075.00	5.82	116.08	5053.57	-201.68	-213.36	306.00	2.79	373.04	124.89
5100.00	5.40	115.48	5078.45	-202.66	-214.43	308.20	1.68	375.45	124.83
5125.00	3.85	115.13	5103.37	-203.45	-215.29	310.02	6.21	377.44	124.78
5150.00	3.11	117.20	5128.32	-204.07	-215.96	311.38	3.00	378.94	124.74
5175.00	2.33	119.19	5153.29	-204.58	-216.51	312.43	3.14	380.12	124.72
5200.00	1.94	125.88	5178.28	-205.05	-217.01	313.22	1.85	381.05	124.72
5225.00	1.79	116.98	5203.26	-205.45	-217.44	313.91	1.30	381.86	124.71
5250.00	1.74	117.37	5228.25	-205.78	-217.79	314.60	0.22	382.62	124.69
5275.00	1.81	115.95	5253.24	-206.10	-218.13	315.29	0.32	383.39	124.68
5300.00	1.77	117.70	5278.23	-206.42	-218.49	315.98	0.26	384.16	124.66
5325.00	1.83	118.31	5303.21	-206.76	-218.85	316.67	0.26	384.94	124.65
5350.00	1.72	117.43	5328.20	-207.10	-219.22	317.36	0.44	385.71	124.63
5375.00	1.76	117.26	5353.19	-207.42	-219.57	318.03	0.15	386.46	124.62
5400.00	1.81	117.69	5378.18	-207.76	-219.93	318.73	0.22	387.24	124.61
5425.00	1.83	115.30	5403.17	-208.08	-220.28	319.44	0.31	388.02	124.59
5450.00	1.89	116.92	5428.15	-208.41	-220.64	320.16	0.32	388.82	124.57
5475.00	1.85	116.79	5453.14	-208.75	-221.00	320.89	0.16	389.63	124.56
5500.00	1.84	118.08	5478.13	-209.10	-221.37	321.60	0.17	390.43	124.54
5525.00	1.91	122.85	5503.11	-209.48	-221.79	322.31	0.67	391.25	124.53
5550.00	1.86	120.78	5528.10	-209.89	-222.22	323.01	0.32	392.07	124.53
5575.00	2.03	123.59	5553.09	-210.32	-222.68	323.72	0.75	392.92	124.52
5600.00	1.93	121.68	5578.07	-210.75	-223.14	324.45	0.46	393.78	124.52
5625.00	2.00	123.46	5603.06	-211.19	-223.60	325.17	0.37	394.64	124.51
5650.00	2.00	121.45	5628.04	-211.63	-224.07	325.91	0.28	395.51	124.51

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	2.02	121.90	5653.03	-212.06	-224.53	326.66	0.13	396.38	124.50
5700.00	1.97	118.28	5678.01	-212.47	-224.97	327.41	0.55	397.25	124.49
5725.00	1.97	121.10	5703.00	-212.87	-225.39	328.15	0.39	398.11	124.48
5750.00	1.95	122.35	5727.98	-213.29	-225.84	328.88	0.18	398.96	124.48
5775.00	2.03	119.53	5752.97	-213.71	-226.29	329.63	0.49	399.83	124.47
5800.00	2.14	120.91	5777.95	-214.13	-226.75	330.41	0.50	400.73	124.46
5825.00	2.07	123.24	5802.93	-214.59	-227.23	331.19	0.45	401.65	124.45
5850.00	1.44	113.10	5827.92	-214.94	-227.61	331.86	2.78	402.41	124.44
5875.00	1.30	102.13	5852.91	-215.10	-227.79	332.42	1.18	402.98	124.42
5900.00	1.16	91.49	5877.91	-215.14	-227.85	332.96	1.07	403.46	124.39
5925.00	1.15	91.21	5902.90	-215.14	-227.87	333.46	0.05	403.88	124.35
5950.00	1.12	90.69	5927.90	-215.13	-227.87	333.96	0.12	404.29	124.31
5975.00	0.95	88.76	5952.89	-215.11	-227.87	334.41	0.73	404.67	124.27
6000.00	1.07	84.61	5977.89	-215.06	-227.85	334.85	0.59	405.02	124.23
6025.00	1.18	88.92	6002.88	-215.02	-227.82	335.34	0.56	405.41	124.19
6050.00	1.18	89.69	6027.88	-214.99	-227.81	335.86	0.07	405.83	124.15
6075.00	1.19	90.45	6052.87	-214.97	-227.81	336.37	0.07	406.26	124.11
6100.00	1.06	92.32	6077.87	-214.97	-227.83	336.86	0.53	406.67	124.07
6125.00	1.00	88.10	6102.87	-214.95	-227.83	337.31	0.38	407.04	124.04
6150.00	1.20	87.07	6127.86	-214.91	-227.81	337.79	0.79	407.43	124.00
6175.00	1.11	90.03	6152.86	-214.88	-227.79	338.29	0.42	407.84	123.95
6200.00	1.06	90.20	6177.85	-214.87	-227.80	338.77	0.21	408.23	123.92
6225.00	1.04	84.65	6202.85	-214.83	-227.77	339.22	0.41	408.60	123.88
6250.00	1.22	84.95	6227.84	-214.76	-227.73	339.71	0.71	408.98	123.84
6275.00	1.16	91.21	6252.84	-214.73	-227.71	340.23	0.57	409.40	123.79
6300.00	1.03	87.45	6277.83	-214.70	-227.71	340.71	0.62	409.80	123.76
6325.00	1.09	81.83	6302.83	-214.64	-227.66	341.17	0.49	410.16	123.72
6350.00	1.12	82.92	6327.82	-214.56	-227.60	341.65	0.14	410.52	123.67
6375.00	1.17	84.51	6352.82	-214.49	-227.55	342.14	0.25	410.90	123.63
6400.00	1.25	90.38	6377.81	-214.45	-227.52	342.67	0.57	411.33	123.58
6425.00	1.07	87.03	6402.81	-214.42	-227.51	343.18	0.74	411.74	123.54
6450.00	1.21	89.64	6427.80	-214.38	-227.50	343.67	0.57	412.15	123.50

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	CLOSURE DIST ft	CLOSURE DIR deg
6475.00	1.18	85.01	6452.80	-214.34	-227.47	344.19	0.40	412.57	123.46
6500.00	1.22	85.66	6477.79	-214.28	-227.43	344.72	0.15	412.98	123.42
6525.00	1.33	85.83	6502.79	-214.22	-227.39	345.27	0.47	413.42	123.37
6550.00	1.29	82.94	6527.78	-214.14	-227.33	345.84	0.31	413.87	123.32
6575.00	1.29	83.86	6552.77	-214.05	-227.27	346.40	0.09	414.30	123.27
6600.00	1.32	86.50	6577.77	-213.98	-227.22	346.97	0.28	414.75	123.22
6625.00	1.35	88.83	6602.76	-213.94	-227.20	347.55	0.25	415.22	123.17
6650.00	1.22	87.48	6627.75	-213.90	-227.18	348.11	0.54	415.68	123.13
6675.00	1.27	85.78	6652.75	-213.85	-227.15	348.65	0.24	416.12	123.08
6700.00	1.31	90.18	6677.74	-213.81	-227.13	349.22	0.42	416.58	123.04
6725.00	1.30	93.55	6702.73	-213.80	-227.15	349.79	0.31	417.07	123.00
6750.00	0.68	122.93	6727.73	-213.89	-227.25	350.19	3.13	417.46	122.98
6775.00	0.65	140.72	6752.73	-214.07	-227.44	350.41	0.83	417.75	122.99
6800.00	0.54	183.44	6777.73	-214.29	-227.66	350.49	1.78	417.94	123.01
6825.00	0.56	191.67	6802.73	-214.53	-227.90	350.46	0.32	418.04	123.04
6850.00	0.66	188.23	6827.72	-214.79	-228.16	350.41	0.45	418.15	123.07
6875.00	0.73	194.46	6852.72	-215.09	-228.46	350.35	0.39	418.26	123.11
6900.00	0.71	197.90	6877.72	-215.40	-228.76	350.26	0.19	418.35	123.15
6925.00	0.72	197.92	6902.72	-215.70	-229.06	350.17	0.05	418.43	123.19
6950.00	0.58	190.93	6927.72	-215.97	-229.33	350.10	0.65	418.52	123.23
6975.00	0.72	199.02	6952.72	-216.25	-229.60	350.02	0.68	418.61	123.26
7000.00	0.79	203.62	6977.71	-216.56	-229.91	349.90	0.36	418.67	123.31
7025.00	0.72	200.30	7002.71	-216.86	-230.21	349.78	0.31	418.74	123.35
7050.00	0.64	205.98	7027.71	-217.14	-230.49	349.66	0.42	418.79	123.39
7075.00	0.61	202.42	7052.71	-217.40	-230.74	349.55	0.20	418.84	123.43
7100.00	0.65	192.45	7077.71	-217.66	-231.00	349.47	0.46	418.91	123.46
7125.00	0.74	195.10	7102.71	-217.96	-231.29	349.40	0.39	419.01	123.50
7150.00	0.66	212.81	7127.70	-218.24	-231.57	349.28	0.91	419.07	123.54
7175.00	0.69	225.82	7152.70	-218.47	-231.79	349.09	0.62	419.04	123.58
7200.00	0.74	254.15	7177.70	-218.63	-231.94	348.83	1.41	418.90	123.62
7225.00	0.85	261.57	7202.70	-218.71	-232.01	348.49	0.59	418.66	123.65
7250.00	1.02	276.56	7227.69	-218.73	-232.01	348.09	1.19	418.32	123.69

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	1.08	281.03	7252.69	-218.68	-231.94	347.63	0.42	417.91	123.71
7300.00	1.12	282.27	7277.69	-218.60	-231.85	347.16	0.17	417.46	123.74
7325.00	1.14	277.56	7302.68	-218.53	-231.76	346.68	0.38	417.01	123.76
7350.00	1.13	277.36	7327.68	-218.49	-231.70	346.19	0.04	416.57	123.79
7375.00	1.23	279.86	7352.67	-218.43	-231.62	345.68	0.44	416.11	123.82
7400.00	1.34	280.06	7377.66	-218.35	-231.52	345.13	0.46	415.59	123.85
7425.00	1.28	282.19	7402.66	-218.26	-231.41	344.57	0.30	415.07	123.89
7450.00	1.39	280.63	7427.65	-218.17	-231.30	343.99	0.46	414.53	123.92
7475.00	1.29	282.62	7452.64	-218.07	-231.18	343.42	0.46	413.98	123.95
7500.00	1.36	281.61	7477.64	-217.97	-231.06	342.86	0.30	413.45	123.98
7525.00	1.34	281.42	7502.63	-217.88	-230.94	342.28	0.07	412.90	124.01
7550.00	1.39	284.09	7527.62	-217.77	-230.81	341.70	0.30	412.35	124.04
7575.00	1.41	278.79	7552.62	-217.67	-230.69	341.10	0.52	411.79	124.07
7600.00	1.48	279.35	7577.61	-217.59	-230.59	340.48	0.31	411.21	124.11
7625.00	1.50	278.77	7602.60	-217.52	-230.49	339.84	0.10	410.62	124.15
7650.00	1.44	279.01	7627.59	-217.44	-230.39	339.20	0.24	410.04	124.18
7675.00	1.42	283.31	7652.58	-217.34	-230.27	338.59	0.44	409.47	124.22
7700.00	1.43	280.81	7677.58	-217.24	-230.14	337.98	0.25	408.89	124.25
7725.00	1.53	280.33	7702.57	-217.14	-230.02	337.34	0.42	408.30	124.29
7750.00	1.38	281.53	7727.56	-217.04	-229.90	336.72	0.62	407.72	124.32
7775.00	1.46	281.10	7752.55	-216.95	-229.78	336.11	0.31	407.15	124.36
7800.00	1.43	276.80	7777.54	-216.87	-229.68	335.49	0.45	406.58	124.40
7825.00	1.48	278.09	7802.54	-216.81	-229.60	334.86	0.24	406.01	124.44
7850.00	1.48	278.85	7827.53	-216.74	-229.50	334.23	0.08	405.44	124.48
7875.00	1.54	281.42	7852.52	-216.65	-229.39	333.58	0.38	404.84	124.51
7900.00	1.51	281.40	7877.51	-216.54	-229.25	332.92	0.14	404.22	124.55
7925.00	1.49	276.96	7902.50	-216.46	-229.15	332.28	0.47	403.63	124.59
7950.00	1.52	283.33	7927.49	-216.37	-229.03	331.63	0.68	403.03	124.63
7975.00	1.48	282.48	7952.48	-216.25	-228.89	331.00	0.19	402.43	124.66
8000.00	1.45	279.09	7977.48	-216.15	-228.77	330.37	0.36	401.84	124.70
8025.00	1.52	278.27	8002.47	-216.08	-228.67	329.73	0.30	401.26	124.74
8050.00	1.51	277.02	8027.46	-216.02	-228.58	329.07	0.14	400.67	124.78

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	1.46	278.31	8052.45	-215.96	-228.50	328.43	0.24	400.10	124.83
8100.00	1.47	278.11	8077.44	-215.89	-228.41	327.80	0.06	399.53	124.87
8125.00	1.47	282.96	8102.43	-215.79	-228.29	327.17	0.50	398.94	124.91
8150.00	1.58	282.52	8127.42	-215.67	-228.14	326.52	0.42	398.33	124.94
8175.00	1.22	288.50	8152.42	-215.54	-227.98	325.93	1.53	397.75	124.97
8200.00	0.62	323.13	8177.41	-215.36	-227.79	325.60	3.18	397.37	124.98
8225.00	0.56	354.62	8202.41	-215.13	-227.56	325.51	1.30	397.16	124.96
8250.00	0.66	21.98	8227.41	-214.88	-227.31	325.55	1.21	397.05	124.92
8275.00	0.70	20.25	8252.41	-214.60	-227.03	325.65	0.18	396.98	124.88
8300.00	0.64	21.98	8277.41	-214.32	-226.76	325.76	0.24	396.91	124.84
8325.00	0.68	27.71	8302.41	-214.06	-226.50	325.88	0.32	396.86	124.80
8350.00	0.70	19.23	8327.40	-213.78	-226.22	326.00	0.42	396.80	124.76
8375.00	0.71	21.75	8352.40	-213.48	-225.93	326.11	0.13	396.73	124.72
8400.00	0.79	28.39	8377.40	-213.18	-225.64	326.25	0.47	396.67	124.67
8425.00	0.84	38.87	8402.40	-212.88	-225.35	326.44	0.63	396.67	124.62
8450.00	0.60	29.49	8427.40	-212.62	-225.09	326.62	1.06	396.67	124.57
8475.00	0.74	28.80	8452.39	-212.36	-224.83	326.77	0.54	396.64	124.53
8500.00	0.75	32.66	8477.39	-212.07	-224.55	326.93	0.21	396.62	124.48
8525.00	0.77	26.79	8502.39	-211.78	-224.27	327.10	0.32	396.59	124.44
8550.00	0.80	32.89	8527.39	-211.48	-223.97	327.27	0.35	396.57	124.39
8575.00	0.68	22.48	8552.39	-211.19	-223.69	327.42	0.71	396.53	124.34
8600.00	0.76	27.86	8577.38	-210.90	-223.40	327.55	0.42	396.48	124.30
8625.00	0.81	29.02	8602.38	-210.59	-223.10	327.72	0.21	396.45	124.25
8650.00	0.80	27.94	8627.38	-210.27	-222.79	327.89	0.08	396.41	124.19
8675.00	0.77	25.88	8652.38	-209.96	-222.48	328.04	0.17	396.37	124.15
8700.00	0.78	28.31	8677.37	-209.65	-222.18	328.19	0.13	396.33	124.10
8725.00	0.71	27.18	8702.37	-209.36	-221.90	328.35	0.27	396.29	124.05
8750.00	0.80	21.49	8727.37	-209.06	-221.59	328.48	0.47	396.24	124.00
8775.00	0.86	33.41	8752.37	-208.73	-221.28	328.65	0.72	396.20	123.95
8800.00	0.74	38.90	8777.36	-208.44	-220.99	328.85	0.56	396.21	123.90
8825.00	0.61	31.15	8802.36	-208.20	-220.75	329.02	0.62	396.22	123.86
8850.00	0.72	24.23	8827.36	-207.93	-220.50	329.16	0.53	396.18	123.82

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	0.75	28.85	8852.36	-207.64	-220.21	329.30	0.26	396.14	123.77
8900.00	0.61	26.03	8877.36	-207.37	-219.95	329.44	0.58	396.11	123.73
8925.00	0.53	37.54	8902.36	-207.16	-219.74	329.57	0.55	396.10	123.69
8950.00	0.51	38.75	8927.36	-206.97	-219.56	329.71	0.08	396.12	123.66
8975.00	0.57	52.29	8952.35	-206.81	-219.39	329.87	0.55	396.17	123.63
9000.00	0.40	56.16	8977.35	-206.67	-219.27	330.04	0.67	396.24	123.60
9025.00	0.40	56.16	9002.35	-206.57	-219.17	330.19	0.00	396.31	123.58
9050.00	0.28	61.86	9027.35	-206.49	-219.10	330.32	0.52	396.37	123.56
9075.00	0.16	115.66	9052.35	-206.47	-219.08	330.40	0.89	396.43	123.55
9100.00	0.06	336.34	9077.35	-206.47	-219.08	330.42	0.84	396.46	123.55
9125.00	0.14	94.96	9102.35	-206.46	-219.07	330.45	0.70	396.47	123.54
9150.00	0.15	137.55	9127.35	-206.49	-219.10	330.50	0.41	396.53	123.54
9175.00	0.22	180.27	9152.35	-206.56	-219.17	330.52	0.60	396.59	123.55
9200.00	0.33	200.11	9177.35	-206.68	-219.29	330.50	0.59	396.63	123.56
9225.00	0.28	220.42	9202.35	-206.79	-219.40	330.43	0.48	396.64	123.58
9250.00	0.34	199.14	9227.35	-206.91	-219.52	330.37	0.51	396.65	123.60
9275.00	0.41	211.26	9252.35	-207.06	-219.66	330.30	0.42	396.67	123.63
9300.00	0.55	208.78	9277.35	-207.24	-219.84	330.19	0.57	396.69	123.66
9325.00	0.60	206.45	9302.35	-207.47	-220.07	330.08	0.21	396.71	123.69
9350.00	0.61	213.58	9327.35	-207.70	-220.29	329.95	0.31	396.73	123.73
9375.00	0.63	216.24	9352.35	-207.93	-220.52	329.79	0.13	396.72	123.77
9400.00	0.68	212.21	9377.34	-208.17	-220.75	329.63	0.28	396.72	123.81
9425.00	0.77	207.28	9402.34	-208.45	-221.03	329.47	0.45	396.75	123.86
9450.00	0.77	207.68	9427.34	-208.76	-221.33	329.32	0.03	396.78	123.90
9475.00	0.74	209.33	9452.34	-209.05	-221.62	329.16	0.14	396.81	123.95
9500.00	0.68	208.48	9477.34	-209.33	-221.89	329.01	0.25	396.84	124.00
9525.00	0.79	206.75	9502.33	-209.62	-222.17	328.86	0.46	396.88	124.04
9550.00	0.80	206.25	9527.33	-209.93	-222.48	328.71	0.04	396.92	124.09
9575.00	0.76	201.37	9552.33	-210.25	-222.79	328.57	0.31	396.98	124.14
9600.00	0.82	197.04	9577.33	-210.58	-223.12	328.46	0.32	397.07	124.19
9625.00	1.06	201.74	9602.32	-210.97	-223.50	328.32	1.02	397.18	124.24
9650.00	1.03	199.92	9627.32	-211.40	-223.93	328.16	0.17	397.28	124.31

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	1.20	196.01	9652.31	-211.87	-224.39	328.01	0.74	397.42	124.38
9700.00	1.24	193.31	9677.31	-212.39	-224.91	327.87	0.29	397.60	124.45
9725.00	1.17	189.64	9702.30	-212.91	-225.42	327.77	0.44	397.81	124.52
9750.00	1.08	189.15	9727.30	-213.40	-225.91	327.69	0.36	398.01	124.58
9775.00	1.04	194.02	9752.29	-213.85	-226.36	327.60	0.39	398.19	124.64
9800.00	1.05	193.70	9777.29	-214.30	-226.80	327.49	0.04	398.36	124.70
9825.00	1.08	197.56	9802.29	-214.75	-227.25	327.36	0.31	398.51	124.77
9850.00	1.22	200.92	9827.28	-215.23	-227.72	327.20	0.64	398.64	124.84
9875.00	1.22	203.48	9852.27	-215.73	-228.22	327.00	0.22	398.76	124.91
9900.00	1.37	204.38	9877.27	-216.25	-228.73	326.77	0.62	398.87	124.99
9925.00	1.54	202.55	9902.26	-216.85	-229.31	326.51	0.70	398.99	125.08
9950.00	1.47	202.38	9927.25	-217.46	-229.92	326.26	0.29	399.14	125.17
9975.00	1.52	202.28	9952.24	-218.07	-230.53	326.01	0.21	399.28	125.26
10000.00	1.39	198.99	9977.23	-218.68	-231.12	325.79	0.63	399.44	125.35
10025.00	1.31	197.62	10002.23	-219.24	-231.68	325.61	0.33	399.62	125.43
10050.00	1.31	193.32	10027.22	-219.80	-232.23	325.45	0.39	399.81	125.51
10075.00	1.34	196.58	10052.21	-220.36	-232.79	325.30	0.33	400.02	125.59
10100.00	1.42	199.73	10077.21	-220.94	-233.36	325.12	0.42	400.20	125.67
10125.00	1.35	197.38	10102.20	-221.52	-233.93	324.92	0.36	400.37	125.75
10150.00	1.42	198.17	10127.19	-222.10	-234.51	324.74	0.32	400.56	125.83
10175.00	1.48	198.92	10152.18	-222.71	-235.11	324.54	0.23	400.75	125.92
10200.00	1.51	200.71	10177.18	-223.33	-235.72	324.32	0.23	400.93	126.01
10225.00	1.55	201.12	10202.17	-223.96	-236.35	324.08	0.15	401.10	126.10
10250.00	1.69	201.14	10227.16	-224.63	-237.01	323.82	0.57	401.29	126.20
10275.00	1.46	199.11	10252.15	-225.29	-237.65	323.58	0.95	401.48	126.29
10300.00	1.05	195.43	10277.14	-225.82	-238.17	323.42	1.67	401.66	126.37
10325.00	0.69	179.85	10302.14	-226.19	-238.55	323.36	1.71	401.83	126.42
10350.00	0.60	168.76	10327.14	-226.47	-238.83	323.38	0.63	402.01	126.45
10375.00	0.57	133.48	10352.14	-226.68	-239.04	323.50	1.42	402.23	126.46
10400.00	0.64	131.24	10377.13	-226.85	-239.22	323.70	0.28	402.50	126.47
10425.00	0.77	133.76	10402.13	-227.05	-239.43	323.92	0.54	402.80	126.47
10450.00	1.04	124.02	10427.13	-227.28	-239.67	324.23	1.23	403.20	126.47

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
10475.00	1.07	113.94	10452.13	-227.49	-239.89	324.63	0.75	403.65	126.46
10500.00	0.82	113.34	10477.12	-227.64	-240.06	325.01	0.99	404.06	126.45
10525.00	0.87	130.17	10502.12	-227.82	-240.25	325.32	1.00	404.42	126.45
10550.00	1.22	125.48	10527.11	-228.08	-240.53	325.68	1.47	404.87	126.45
10575.00	0.96	112.27	10552.11	-228.30	-240.76	326.10	1.44	405.34	126.44
10600.00	0.93	127.97	10577.11	-228.49	-240.97	326.45	1.04	405.75	126.43
10625.00	1.23	121.24	10602.10	-228.74	-241.23	326.84	1.30	406.22	126.43
10650.00	1.16	110.59	10627.10	-228.95	-241.46	327.31	0.93	406.73	126.42
10675.00	1.01	127.15	10652.09	-229.16	-241.68	327.72	1.39	407.20	126.41
10700.00	1.25	118.07	10677.09	-229.40	-241.94	328.14	1.20	407.69	126.40
10725.00	0.91	114.31	10702.08	-229.60	-242.15	328.56	1.40	408.15	126.39
10750.00	0.81	120.94	10727.08	-229.76	-242.33	328.89	0.57	408.52	126.38
10775.00	0.72	98.81	10752.08	-229.86	-242.44	329.20	1.23	408.84	126.37
10800.00	0.72	118.42	10777.08	-229.95	-242.54	329.49	0.98	409.14	126.36
10825.00	0.64	88.49	10802.07	-230.01	-242.61	329.77	1.44	409.40	126.34
10850.00	0.74	111.69	10827.07	-230.06	-242.67	330.06	1.17	409.67	126.32
10875.00	0.62	88.01	10852.07	-230.10	-242.72	330.35	1.21	409.93	126.31
10900.00	0.66	77.17	10877.07	-230.05	-242.69	330.62	0.51	410.13	126.28
10925.00	0.89	104.49	10902.07	-230.06	-242.70	330.95	1.70	410.41	126.25
10950.00	0.77	106.04	10927.06	-230.14	-242.80	331.30	0.47	410.74	126.24
10975.00	0.76	104.85	10952.06	-230.21	-242.89	331.62	0.09	411.05	126.22
11000.00	1.02	110.07	10977.06	-230.32	-243.00	331.99	1.11	411.42	126.20
11025.00	0.96	124.06	11002.06	-230.50	-243.20	332.37	0.99	411.85	126.19
11050.00	0.78	130.37	11027.05	-230.72	-243.43	332.68	0.81	412.23	126.19
11075.00	0.84	122.73	11052.05	-230.92	-243.64	332.96	0.49	412.58	126.19
11100.00	0.81	150.80	11077.05	-231.16	-243.89	333.20	1.61	412.92	126.20
11125.00	0.69	185.76	11102.05	-231.46	-244.20	333.27	1.86	413.16	126.23
11150.00	1.12	246.68	11127.04	-231.72	-244.44	333.03	3.96	413.11	126.28
11175.00	2.04	267.22	11152.03	-231.86	-244.56	332.37	4.25	412.65	126.35
11200.00	2.82	269.30	11177.01	-231.93	-244.59	331.31	3.16	411.81	126.44
11225.00	2.98	273.42	11201.98	-231.95	-244.56	330.04	1.05	410.78	126.54
11250.00	3.62	272.92	11226.94	-231.92	-244.48	328.60	2.56	409.57	126.65

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	4.12	274.25	11251.88	-231.88	-244.37	326.92	2.04	408.16	126.78
11300.00	4.63	274.80	11276.81	-231.80	-244.22	325.02	2.04	406.55	126.92
11325.00	5.53	274.04	11301.71	-231.71	-244.05	322.81	3.61	404.68	127.09
11350.00	6.14	277.74	11326.58	-231.54	-243.79	320.29	2.85	402.51	127.28
11360.00	6.59	278.95	11336.52	-231.42	-243.63	319.19	4.69	401.54	127.35