

COG

FEZ FEDERAL COM #604H

SCAN QUEST

2/14/2019

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

JAKE ELGER

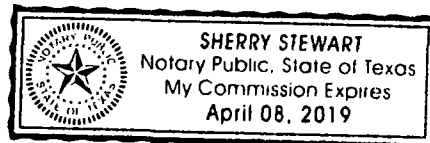
Notarized this date 05 of MARCH, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



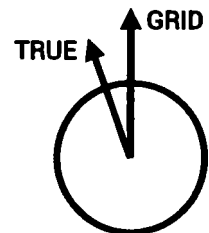
Scientific Drilling

The FEZ FEZ In Wellbore Placement

SURVEY REPORT

FEZ FEDERAL COM #604H

DEFINITIVE KEEPER GYRO SURVEY

CUSTOMER
PROJECT
FIELDCOG
Fez Federal Com #604H
Fez Federal Com #604HSDI JOB NO.
SDI DISTRICT
SDI KIT/UNITOP:016543
Midland**SITE INFORMATION**Site Name Fez Federal Com #604H
Lat/Long 32.1382806° N, 103.3771486° W
Northing 415,342.2 ft
Easting 795,972.5 ftSection
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 32.138281° N, 103.3791027° W
Northing 415,337 ft
Easting 795,367.6 ft
UWI 30-025-45331**DEPTH AND ELEVATION REFERENCE**Ground Level 3262.9 ft above Mean Sea
Level
Reference Datum KB
Reference Height 30 ft above G.L.
Reference Elevation 3292.9 ft**VERTICAL SECTION REFERENCE**+N/-S 0 ft
+E/-W 0 ft
Proposal Direction 358.89°
Calculation Method Minimum Curvature**LOCAL GRAVITY REFERENCE INFORMATION**Local Gravity 998.506 mG [computed]
True to Grid subtract 0.51°**WELL NOTES**

Keeper Gyro Survey ran in 4 1/2 IF Drill Pipe to 11,398'

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	0.50	151.48	100.00	-0.39	-0.38	0.21	0.50	0.43	151.48
125.00	0.66	143.09	125.00	-0.60	-0.59	0.35	0.73	0.69	149.73
150.00	0.80	139.37	150.00	-0.85	-0.84	0.55	0.60	1.00	146.98
175.00	0.96	154.93	174.99	-1.18	-1.16	0.75	1.14	1.38	147.22
200.00	0.84	133.57	199.99	-1.50	-1.48	0.97	1.41	1.77	146.72
225.00	0.84	136.88	224.99	-1.76	-1.74	1.23	0.19	2.13	144.75
250.00	0.92	139.09	249.98	-2.05	-2.02	1.49	0.32	2.51	143.72
275.00	0.83	146.63	274.98	-2.36	-2.33	1.72	0.57	2.89	143.59
300.00	0.85	133.66	299.98	-2.64	-2.61	1.95	0.76	3.25	143.20
325.00	0.91	135.35	324.98	-2.92	-2.87	2.22	0.26	3.63	142.29
350.00	0.90	130.54	349.97	-3.19	-3.14	2.51	0.30	4.02	141.38
375.00	0.91	132.86	374.97	-3.46	-3.40	2.80	0.15	4.41	140.52
400.00	0.94	137.24	399.97	-3.75	-3.69	3.09	0.31	4.81	140.06
425.00	0.95	131.90	424.96	-4.04	-3.98	3.38	0.35	5.22	139.63
450.00	0.88	130.79	449.96	-4.32	-4.24	3.68	0.27	5.62	139.04
475.00	0.80	124.73	474.96	-4.55	-4.47	3.97	0.50	5.98	138.37
500.00	0.92	126.02	499.95	-4.77	-4.69	4.28	0.52	6.35	137.61
525.00	0.85	127.33	524.95	-5.01	-4.92	4.59	0.29	6.73	136.98
550.00	0.85	124.77	549.95	-5.23	-5.14	4.89	0.15	7.09	136.41
575.00	0.74	119.46	574.95	-5.42	-5.32	5.18	0.53	7.43	135.76
600.00	0.64	120.45	599.94	-5.57	-5.47	5.44	0.39	7.72	135.16
625.00	0.66	117.02	624.94	-5.72	-5.61	5.69	0.18	7.99	134.58
650.00	0.70	115.84	649.94	-5.85	-5.74	5.95	0.16	8.27	133.94
675.00	0.60	108.40	674.94	-5.96	-5.85	6.21	0.52	8.53	133.25
700.00	0.59	101.27	699.94	-6.04	-5.91	6.46	0.30	8.76	132.44
725.00	0.47	90.03	724.94	-6.07	-5.94	6.69	0.63	8.95	131.57
750.00	0.39	81.84	749.94	-6.06	-5.92	6.88	0.41	9.08	130.74
775.00	0.32	64.90	774.94	-6.02	-5.88	7.03	0.50	9.16	129.94
800.00	0.25	60.19	799.93	-5.96	-5.83	7.14	0.28	9.21	129.23
825.00	0.20	41.64	824.93	-5.91	-5.77	7.21	0.36	9.23	128.64
850.00	0.26	22.09	849.93	-5.82	-5.68	7.26	0.38	9.22	128.04

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	0.38	19.82	874.93	-5.69	-5.55	7.31	0.51	9.18	127.21
900.00	0.33	20.74	899.93	-5.55	-5.41	7.37	0.23	9.14	126.28
925.00	0.29	17.91	924.93	-5.42	-5.28	7.41	0.16	9.10	125.46
950.00	0.25	18.52	949.93	-5.31	-5.17	7.45	0.17	9.06	124.76
975.00	0.31	16.53	974.93	-5.20	-5.05	7.48	0.27	9.03	124.02
1000.00	0.26	9.87	999.93	-5.08	-4.93	7.51	0.26	8.99	123.28
1025.00	0.17	354.99	1024.93	-4.98	-4.84	7.52	0.42	8.94	122.77
1050.00	0.17	10.15	1049.93	-4.91	-4.77	7.52	0.18	8.91	122.36
1075.00	0.11	16.48	1074.93	-4.85	-4.71	7.54	0.25	8.89	122.00
1100.00	0.10	306.09	1099.93	-4.82	-4.67	7.52	0.48	8.86	121.84
1125.00	0.14	256.75	1124.93	-4.81	-4.67	7.48	0.43	8.81	121.97
1150.00	0.11	227.92	1149.93	-4.83	-4.69	7.43	0.28	8.79	122.27
1175.00	0.11	234.25	1174.93	-4.86	-4.72	7.39	0.05	8.77	122.58
1200.00	0.24	238.06	1199.93	-4.91	-4.76	7.33	0.52	8.74	123.04
1225.00	0.31	269.55	1224.93	-4.93	-4.79	7.21	0.66	8.66	123.61
1250.00	0.21	255.82	1249.93	-4.94	-4.80	7.10	0.47	8.57	124.09
1275.00	0.25	260.02	1274.93	-4.96	-4.83	7.00	0.16	8.50	124.57
1300.00	0.28	247.80	1299.93	-4.99	-4.86	6.89	0.25	8.43	125.17
1325.00	0.22	245.08	1324.93	-5.03	-4.90	6.79	0.22	8.38	125.81
1350.00	0.22	255.26	1349.93	-5.06	-4.93	6.70	0.16	8.32	126.35
1375.00	0.18	260.29	1374.93	-5.08	-4.95	6.62	0.17	8.27	126.79
1400.00	0.20	233.30	1399.93	-5.11	-4.98	6.55	0.37	8.23	127.28
1425.00	0.25	243.35	1424.93	-5.16	-5.03	6.46	0.24	8.19	127.92
1450.00	0.29	232.14	1449.93	-5.22	-5.10	6.37	0.27	8.16	128.69
1475.00	0.48	208.57	1474.93	-5.35	-5.23	6.26	0.97	8.16	129.85
1500.00	0.93	182.84	1499.93	-5.64	-5.53	6.20	2.17	8.31	131.69
1525.00	1.53	184.46	1524.92	-6.18	-6.06	6.17	2.37	8.65	134.49
1550.00	2.11	182.06	1549.91	-6.97	-6.85	6.13	2.37	9.19	138.21
1575.00	2.99	178.01	1574.88	-8.08	-7.97	6.13	3.58	10.05	142.41
1600.00	3.66	178.81	1599.84	-9.53	-9.42	6.17	2.70	11.26	146.76
1625.00	4.17	177.97	1624.78	-11.24	-11.12	6.22	2.03	12.74	150.78
1650.00	4.32	177.18	1649.71	-13.09	-12.97	6.30	0.63	14.42	154.10

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
1675.00	4.28	177.59	1674.64	-14.96	-14.84	6.38	0.20	16.16	156.72
1700.00	4.46	177.26	1699.57	-16.87	-16.74	6.47	0.74	17.95	158.87
1725.00	4.41	177.61	1724.50	-18.80	-18.67	6.56	0.23	19.79	160.65
1750.00	4.35	177.16	1749.42	-20.71	-20.58	6.64	0.26	21.63	162.11
1775.00	4.37	175.51	1774.35	-22.61	-22.48	6.77	0.51	23.48	163.25
1800.00	4.31	175.52	1799.28	-24.50	-24.37	6.91	0.25	25.33	164.16
1825.00	4.18	173.72	1824.21	-26.34	-26.21	7.09	0.74	27.15	164.87
1850.00	4.24	173.47	1849.14	-28.17	-28.03	7.29	0.24	28.97	165.42
1875.00	4.14	173.13	1874.08	-29.99	-29.85	7.50	0.39	30.78	165.89
1900.00	4.05	172.88	1899.01	-31.77	-31.62	7.72	0.40	32.55	166.28
1925.00	4.14	172.57	1923.95	-33.54	-33.39	7.95	0.39	34.33	166.61
1950.00	4.17	171.95	1948.88	-35.34	-35.19	8.19	0.21	36.13	166.89
1975.00	4.15	172.14	1973.82	-37.14	-36.98	8.44	0.08	37.94	167.14
2000.00	4.09	172.42	1998.75	-38.93	-38.76	8.68	0.27	39.73	167.37
2025.00	4.11	172.34	2023.69	-40.70	-40.54	8.92	0.08	41.51	167.59
2050.00	4.21	172.84	2048.62	-42.50	-42.33	9.16	0.42	43.31	167.80
2075.00	4.19	173.94	2073.56	-44.33	-44.15	9.37	0.34	45.13	168.02
2100.00	4.07	175.88	2098.49	-46.12	-45.94	9.53	0.72	46.92	168.29
2125.00	3.90	178.33	2123.43	-47.86	-47.68	9.61	0.95	48.64	168.60
2150.00	3.94	178.55	2148.37	-49.57	-49.39	9.66	0.16	50.33	168.93
2175.00	3.93	178.70	2173.31	-51.28	-51.11	9.70	0.05	52.02	169.25
2200.00	3.87	179.67	2198.25	-52.99	-52.81	9.73	0.36	53.70	169.56
2225.00	3.86	179.24	2223.20	-54.67	-54.49	9.74	0.12	55.36	169.86
2250.00	3.85	179.24	2248.14	-56.35	-56.17	9.77	0.05	57.02	170.14
2275.00	3.79	178.54	2273.09	-58.02	-57.84	9.80	0.31	58.66	170.39
2300.00	3.65	176.61	2298.03	-59.64	-59.46	9.87	0.75	60.27	170.58
2325.00	3.74	176.50	2322.98	-61.24	-61.06	9.96	0.37	61.87	170.73
2350.00	3.58	174.91	2347.93	-62.84	-62.65	10.08	0.77	63.46	170.86
2375.00	3.56	176.96	2372.88	-64.39	-64.20	10.19	0.51	65.01	170.98
2400.00	3.66	175.28	2397.83	-65.96	-65.78	10.30	0.59	66.58	171.10
2425.00	3.72	174.79	2422.78	-67.57	-67.38	10.44	0.27	68.18	171.19
2450.00	3.71	175.94	2447.73	-69.19	-68.99	10.57	0.31	69.80	171.29

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS %/100ft	CLOSURE DIST ft	CLOSURE DIR deg
2475.00	3.60	174.85	2472.68	-70.78	-70.58	10.70	0.50	71.39	171.38
2500.00	3.65	175.65	2497.63	-72.35	-72.16	10.83	0.29	72.97	171.47
2525.00	3.68	175.71	2522.58	-73.95	-73.75	10.95	0.12	74.56	171.56
2550.00	3.71	175.78	2547.52	-75.56	-75.36	11.07	0.09	76.17	171.65
2575.00	3.69	175.10	2572.47	-77.17	-76.97	11.20	0.19	77.78	171.72
2600.00	3.63	174.60	2597.42	-78.76	-78.56	11.34	0.27	79.37	171.79
2625.00	3.66	174.05	2622.37	-80.35	-80.14	11.50	0.17	80.96	171.84
2650.00	3.62	173.99	2647.32	-81.93	-81.72	11.66	0.15	82.54	171.88
2675.00	3.64	173.24	2672.27	-83.50	-83.29	11.84	0.20	84.12	171.91
2700.00	3.60	173.54	2697.22	-85.07	-84.86	12.02	0.15	85.70	171.94
2725.00	3.62	172.90	2722.17	-86.64	-86.42	12.20	0.17	87.28	171.96
2750.00	3.54	174.30	2747.12	-88.19	-87.97	12.38	0.47	88.83	171.99
2775.00	3.67	173.62	2772.07	-89.76	-89.53	12.54	0.56	90.41	172.02
2800.00	3.51	176.20	2797.02	-91.32	-91.09	12.68	0.90	91.97	172.07
2825.00	3.50	177.21	2821.98	-92.85	-92.62	12.77	0.25	93.49	172.15
2850.00	3.46	177.03	2846.93	-94.36	-94.13	12.85	0.16	95.01	172.23
2875.00	3.46	175.25	2871.88	-95.87	-95.64	12.95	0.43	96.51	172.29
2900.00	3.36	173.67	2896.84	-97.35	-97.12	13.09	0.53	98.00	172.32
2925.00	3.20	172.30	2921.80	-98.78	-98.54	13.27	0.74	99.43	172.33
2950.00	3.09	169.90	2946.76	-100.13	-99.89	13.48	0.68	100.80	172.32
2975.00	2.99	169.33	2971.73	-101.44	-101.20	13.72	0.42	102.12	172.28
3000.00	3.13	167.18	2996.69	-102.75	-102.50	13.99	0.74	103.45	172.23
3025.00	3.00	165.80	3021.65	-104.06	-103.80	14.30	0.59	104.78	172.15
3050.00	3.04	168.45	3046.62	-105.35	-105.09	14.60	0.57	106.10	172.09
3075.00	3.09	168.27	3071.58	-106.66	-106.40	14.87	0.22	107.43	172.05
3100.00	3.07	168.49	3096.55	-107.98	-107.71	15.14	0.12	108.77	172.00
3125.00	3.26	168.87	3121.51	-109.34	-109.07	15.41	0.79	110.15	171.96
3150.00	3.59	168.62	3146.47	-110.81	-110.53	15.70	1.33	111.64	171.92
3175.00	3.56	169.74	3171.42	-112.35	-112.06	15.99	0.31	113.20	171.88
3200.00	3.65	168.89	3196.37	-113.90	-113.61	16.28	0.43	114.77	171.84
3225.00	3.69	169.24	3221.32	-115.48	-115.18	16.59	0.18	116.37	171.81
3250.00	3.73	168.06	3246.26	-117.07	-116.77	16.91	0.35	117.98	171.76

SURVEY REPORT

FEZ FEDERAL COM #604H

DEFINITIVE KEEPER GYRO SURVEY

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	3.60	166.34	3271.21	-118.64	-118.32	17.26	0.69	119.58	171.70
3300.00	3.38	164.73	3296.17	-120.12	-119.80	17.64	0.97	121.09	171.62
3325.00	3.29	164.27	3321.12	-121.52	-121.20	18.03	0.37	122.53	171.54
3350.00	3.22	162.72	3346.08	-122.89	-122.56	18.43	0.45	123.94	171.45
3375.00	3.21	162.70	3371.04	-124.24	-123.90	18.85	0.05	125.32	171.35
3400.00	3.28	162.49	3396.00	-125.60	-125.25	19.27	0.28	126.72	171.25
3425.00	3.18	161.53	3420.96	-126.95	-126.59	19.70	0.46	128.11	171.15
3450.00	3.07	163.07	3445.93	-128.25	-127.89	20.12	0.56	129.46	171.06
3475.00	3.21	162.87	3470.89	-129.57	-129.19	20.52	0.56	130.81	170.98
3500.00	3.47	162.98	3495.85	-130.97	-130.58	20.95	1.04	132.25	170.89
3525.00	4.25	170.34	3520.79	-132.61	-132.22	21.32	3.70	133.93	170.84
3550.00	4.63	171.18	3545.72	-134.52	-134.13	21.63	1.54	135.86	170.84
3575.00	4.75	171.91	3570.63	-136.55	-136.15	21.93	0.54	137.91	170.85
3600.00	4.80	172.30	3595.55	-138.62	-138.21	22.22	0.24	139.99	170.87
3625.00	4.82	172.45	3620.46	-140.70	-140.29	22.50	0.09	142.08	170.89
3650.00	4.76	169.48	3645.37	-142.77	-142.35	22.83	1.02	144.17	170.89
3675.00	4.48	168.52	3670.29	-144.75	-144.33	23.21	1.15	146.18	170.86
3700.00	4.48	168.42	3695.21	-146.67	-146.24	23.60	0.03	148.13	170.83
3725.00	4.56	166.36	3720.13	-148.60	-148.16	24.03	0.73	150.10	170.79
3750.00	4.56	166.46	3745.06	-150.54	-150.10	24.50	0.04	152.08	170.73
3775.00	4.47	166.79	3769.98	-152.46	-152.01	24.95	0.36	154.04	170.68
3800.00	4.48	166.50	3794.90	-154.37	-153.91	25.40	0.10	155.99	170.63
3825.00	4.44	168.94	3819.83	-156.28	-155.81	25.82	0.77	157.93	170.59
3850.00	4.53	168.30	3844.75	-158.20	-157.73	26.20	0.42	159.89	170.57
3875.00	4.56	173.06	3869.67	-160.16	-159.68	26.52	1.51	161.87	170.57
3900.00	4.88	183.36	3894.59	-162.21	-161.73	26.58	3.61	163.90	170.67
3925.00	4.99	186.72	3919.49	-164.35	-163.87	26.39	1.25	165.98	170.85
3950.00	5.12	186.41	3944.40	-166.53	-166.06	26.14	0.51	168.10	171.05
3975.00	5.17	186.49	3969.30	-168.75	-168.28	25.89	0.22	170.26	171.25
4000.00	5.08	187.10	3994.20	-170.97	-170.50	25.62	0.43	172.42	171.45
4025.00	4.98	185.26	4019.10	-173.14	-172.68	25.39	0.76	174.54	171.64
4050.00	4.90	183.22	4044.01	-175.28	-174.83	25.23	0.78	176.64	171.79

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
4075.00	4.86	181.90	4068.92	-177.40	-176.95	25.13	0.48	178.73	171.92
4100.00	4.80	179.90	4093.83	-179.51	-179.05	25.10	0.70	180.81	172.02
4125.00	4.80	178.40	4118.74	-181.60	-181.15	25.13	0.50	182.88	172.10
4150.00	4.63	177.31	4143.66	-183.65	-183.20	25.21	0.77	184.92	172.17
4175.00	4.56	175.49	4168.58	-185.65	-185.19	25.33	0.64	186.92	172.21
4200.00	4.48	173.33	4193.50	-187.61	-187.16	25.52	0.74	188.89	172.23
4225.00	4.41	169.86	4218.42	-189.54	-189.07	25.81	1.11	190.83	172.23
4250.00	4.33	167.05	4243.35	-191.41	-190.94	26.19	0.93	192.73	172.19
4275.00	4.31	164.09	4268.28	-193.24	-192.76	26.66	0.89	194.60	172.13
4300.00	4.35	161.16	4293.21	-195.05	-194.56	27.22	0.90	196.46	172.04
4325.00	4.57	158.98	4318.13	-196.89	-196.39	27.88	1.13	198.36	171.92
4350.00	4.57	157.47	4343.05	-198.76	-198.24	28.62	0.48	200.29	171.78
4375.00	4.61	156.76	4367.97	-200.61	-200.08	29.40	0.29	202.23	171.64
4400.00	4.61	157.19	4392.89	-202.48	-201.93	30.19	0.14	204.17	171.50
4425.00	4.67	157.44	4417.81	-204.36	-203.80	30.97	0.25	206.14	171.36
4450.00	4.92	158.87	4442.72	-206.31	-205.74	31.74	1.13	208.17	171.23
4475.00	4.91	164.10	4467.63	-208.36	-207.77	32.42	1.79	210.28	171.13
4500.00	5.01	171.72	4492.54	-210.47	-209.88	32.87	2.66	212.43	171.10
4525.00	5.05	174.86	4517.44	-212.65	-212.05	33.13	1.12	214.62	171.12
4550.00	5.11	179.01	4542.34	-214.86	-214.26	33.25	1.48	216.82	171.18
4575.00	4.68	187.32	4567.25	-216.99	-216.39	33.14	3.30	218.91	171.29
4600.00	4.54	192.99	4592.17	-218.96	-218.36	32.78	1.92	220.81	171.46
4625.00	4.28	194.63	4617.10	-220.81	-220.23	32.33	1.14	222.59	171.65
4650.00	4.13	196.45	4642.03	-222.57	-221.99	31.84	0.80	224.26	171.84
4675.00	3.36	193.78	4666.98	-224.14	-223.57	31.41	3.14	225.76	172.00
4700.00	2.65	189.79	4691.94	-225.41	-224.85	31.13	2.97	227.00	172.12
4725.00	2.26	186.12	4716.92	-226.47	-225.91	30.98	1.69	228.03	172.19
4750.00	1.46	168.30	4741.90	-227.27	-226.71	30.99	3.92	228.82	172.22
4775.00	1.07	151.51	4766.90	-227.79	-227.23	31.17	2.12	229.36	172.19
4800.00	1.01	128.30	4791.89	-228.14	-227.57	31.46	1.69	229.74	172.13
4825.00	1.06	110.63	4816.89	-228.37	-227.79	31.84	1.29	230.01	172.04
4850.00	1.05	100.96	4841.89	-228.50	-227.92	32.28	0.71	230.19	171.94

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	0.99	93.34	4866.88	-228.56	-227.97	32.73	0.58	230.31	171.83
4900.00	0.97	88.97	4891.88	-228.58	-227.98	33.15	0.32	230.38	171.73
4925.00	1.01	91.44	4916.87	-228.59	-227.98	33.58	0.25	230.44	171.62
4950.00	1.30	90.29	4941.87	-228.61	-227.99	34.09	1.17	230.52	171.50
4975.00	1.37	96.83	4966.86	-228.66	-228.03	34.67	0.67	230.65	171.35
5000.00	1.36	95.48	4991.86	-228.73	-228.09	35.26	0.15	230.80	171.21
5025.00	1.23	101.37	5016.85	-228.82	-228.17	35.82	0.73	230.97	171.08
5050.00	1.09	111.35	5041.84	-228.97	-228.31	36.31	1.00	231.18	170.96
5075.00	0.84	138.00	5066.84	-229.20	-228.53	36.65	2.01	231.45	170.89
5100.00	0.74	153.78	5091.84	-229.49	-228.81	36.84	0.97	231.76	170.85
5125.00	0.60	220.80	5116.84	-229.73	-229.06	36.83	2.98	232.00	170.87
5150.00	1.18	264.18	5141.83	-229.85	-229.18	36.49	3.40	232.07	170.95
5175.00	1.56	273.50	5166.83	-229.84	-229.19	35.89	1.76	231.98	171.10
5200.00	1.56	275.24	5191.82	-229.77	-229.14	35.21	0.19	231.83	171.26
5225.00	1.67	276.18	5216.81	-229.69	-229.07	34.51	0.44	231.65	171.43
5250.00	1.65	274.22	5241.80	-229.61	-229.00	33.79	0.24	231.48	171.61
5275.00	1.51	275.43	5266.79	-229.54	-228.94	33.11	0.57	231.32	171.77
5300.00	1.62	271.92	5291.78	-229.48	-228.90	32.42	0.60	231.18	171.94
5325.00	1.60	271.78	5316.77	-229.45	-228.88	31.72	0.10	231.06	172.11
5350.00	1.56	273.21	5341.76	-229.40	-228.85	31.03	0.23	230.94	172.28
5375.00	1.60	273.05	5366.75	-229.35	-228.81	30.34	0.16	230.81	172.45
5400.00	1.63	272.88	5391.74	-229.30	-228.77	29.64	0.10	230.68	172.62
5425.00	1.69	271.55	5416.73	-229.26	-228.74	28.92	0.29	230.56	172.80
5450.00	1.48	270.95	5441.72	-229.23	-228.73	28.22	0.85	230.46	172.97
5475.00	1.32	270.91	5466.71	-229.21	-228.72	27.62	0.65	230.38	173.12
5500.00	1.01	265.68	5491.71	-229.21	-228.73	27.11	1.32	230.33	173.24
5525.00	0.82	254.75	5516.70	-229.27	-228.79	26.72	1.02	230.35	173.34
5550.00	0.63	240.18	5541.70	-229.38	-228.91	26.43	1.06	230.43	173.41
5575.00	0.49	224.58	5566.70	-229.52	-229.05	26.23	0.82	230.55	173.47
5600.00	0.43	219.61	5591.70	-229.66	-229.20	26.10	0.30	230.68	173.50
5625.00	0.50	213.72	5616.70	-229.82	-229.36	25.98	0.37	230.83	173.54
5650.00	0.45	220.25	5641.70	-229.99	-229.53	25.85	0.31	230.98	173.57

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	219.20	5666.70	-230.15	-229.69	25.72	0.30	231.13	173.61
5700.00	0.46	209.83	5691.70	-230.32	-229.87	25.60	0.41	231.29	173.65
5725.00	0.49	219.97	5716.70	-230.49	-230.04	25.48	0.35	231.45	173.68
5750.00	0.46	214.79	5741.69	-230.65	-230.20	25.35	0.21	231.59	173.72
5775.00	0.48	216.97	5766.69	-230.81	-230.37	25.23	0.11	231.75	173.75
5800.00	0.44	215.41	5791.69	-230.97	-230.53	25.11	0.16	231.89	173.78
5825.00	0.50	220.11	5816.69	-231.13	-230.69	24.99	0.29	232.04	173.82
5850.00	0.42	216.52	5841.69	-231.29	-230.85	24.86	0.35	232.18	173.85
5875.00	0.46	214.83	5866.69	-231.44	-231.01	24.75	0.17	232.33	173.88
5900.00	0.55	225.73	5891.69	-231.60	-231.17	24.61	0.52	232.48	173.92
5925.00	0.47	215.83	5916.69	-231.77	-231.34	24.46	0.47	232.63	173.96
5950.00	0.53	221.98	5941.69	-231.93	-231.51	24.33	0.34	232.78	174.00
5975.00	0.48	215.32	5966.69	-232.10	-231.68	24.19	0.32	232.94	174.04
6000.00	0.37	217.70	5991.69	-232.25	-231.83	24.08	0.44	233.07	174.07
6025.00	0.45	216.44	6016.69	-232.39	-231.97	23.97	0.33	233.21	174.10
6050.00	0.54	219.11	6041.68	-232.56	-232.14	23.84	0.37	233.36	174.14
6075.00	0.42	217.72	6066.68	-232.72	-232.31	23.71	0.51	233.51	174.17
6100.00	0.58	216.76	6091.68	-232.89	-232.48	23.57	0.66	233.67	174.21
6125.00	0.56	220.97	6116.68	-233.08	-232.67	23.42	0.18	233.85	174.25
6150.00	0.39	226.47	6141.68	-233.23	-232.83	23.28	0.70	233.99	174.29
6175.00	0.53	220.51	6166.68	-233.38	-232.97	23.14	0.58	234.12	174.33
6200.00	0.53	219.65	6191.68	-233.55	-233.15	22.99	0.04	234.28	174.37
6225.00	0.50	221.38	6216.68	-233.72	-233.32	22.84	0.12	234.44	174.41
6250.00	0.52	215.95	6241.68	-233.89	-233.49	22.71	0.21	234.59	174.45
6275.00	0.50	233.30	6266.68	-234.04	-233.65	22.55	0.62	234.74	174.49
6300.00	0.37	232.62	6291.68	-234.16	-233.77	22.40	0.53	234.84	174.53
6325.00	0.44	232.73	6316.67	-234.26	-233.87	22.26	0.28	234.93	174.56
6350.00	0.35	239.54	6341.67	-234.35	-233.97	22.12	0.40	235.01	174.60
6375.00	0.46	239.41	6366.67	-234.44	-234.06	21.96	0.45	235.09	174.64
6400.00	0.43	222.89	6391.67	-234.56	-234.18	21.81	0.53	235.19	174.68
6425.00	0.34	239.74	6416.67	-234.66	-234.28	21.69	0.57	235.28	174.71
6450.00	0.30	236.03	6441.67	-234.73	-234.36	21.57	0.16	235.35	174.74

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	0.38	243.17	6466.67	-234.80	-234.43	21.44	0.34	235.41	174.77
6500.00	0.40	240.73	6491.67	-234.88	-234.51	21.29	0.13	235.48	174.81
6525.00	0.30	238.22	6516.67	-234.95	-234.59	21.16	0.43	235.54	174.85
6550.00	0.34	241.91	6541.67	-235.02	-234.66	21.04	0.18	235.60	174.88
6575.00	0.27	232.53	6566.67	-235.09	-234.73	20.93	0.35	235.66	174.91
6600.00	0.31	248.86	6591.67	-235.15	-234.79	20.82	0.38	235.71	174.93
6625.00	0.27	245.53	6616.67	-235.19	-234.84	20.70	0.20	235.75	174.96
6650.00	0.26	256.23	6641.67	-235.23	-234.87	20.59	0.20	235.78	174.99
6675.00	0.22	266.43	6666.67	-235.24	-234.89	20.49	0.23	235.78	175.02
6700.00	0.24	262.19	6691.67	-235.25	-234.90	20.39	0.10	235.78	175.04
6725.00	0.31	253.34	6716.67	-235.28	-234.93	20.27	0.32	235.80	175.07
6750.00	0.27	248.99	6741.67	-235.31	-234.97	20.15	0.19	235.83	175.10
6775.00	0.31	239.76	6766.67	-235.37	-235.02	20.04	0.24	235.88	175.13
6800.00	0.31	250.05	6791.67	-235.42	-235.08	19.92	0.22	235.92	175.16
6825.00	0.25	254.45	6816.67	-235.46	-235.12	19.80	0.28	235.95	175.19
6850.00	0.33	256.28	6841.67	-235.49	-235.15	19.68	0.33	235.97	175.22
6875.00	0.30	259.24	6866.67	-235.51	-235.18	19.54	0.14	235.99	175.25
6900.00	0.28	252.01	6891.67	-235.54	-235.21	19.42	0.17	236.01	175.28
6925.00	0.29	266.83	6916.67	-235.56	-235.23	19.30	0.29	236.02	175.31
6950.00	0.33	246.45	6941.66	-235.59	-235.26	19.17	0.47	236.04	175.34
6975.00	0.35	253.26	6966.66	-235.64	-235.31	19.03	0.18	236.08	175.38
7000.00	0.28	243.25	6991.66	-235.69	-235.36	18.91	0.37	236.12	175.41
7025.00	0.19	257.59	7016.66	-235.72	-235.40	18.81	0.43	236.15	175.43
7050.00	0.17	245.97	7041.66	-235.74	-235.42	18.74	0.16	236.17	175.45
7075.00	0.15	227.66	7066.66	-235.78	-235.46	18.68	0.21	236.20	175.46
7100.00	0.18	255.18	7091.66	-235.81	-235.49	18.62	0.34	236.23	175.48
7125.00	0.12	244.62	7116.66	-235.83	-235.52	18.56	0.26	236.24	175.49
7150.00	0.07	223.05	7141.66	-235.85	-235.54	18.52	0.26	236.26	175.50
7175.00	0.14	258.90	7166.66	-235.87	-235.55	18.48	0.37	236.28	175.51
7200.00	0.10	245.55	7191.66	-235.88	-235.57	18.43	0.18	236.29	175.53
7225.00	0.11	246.27	7216.66	-235.90	-235.59	18.39	0.02	236.31	175.54
7250.00	0.07	209.73	7241.66	-235.92	-235.61	18.36	0.26	236.33	175.54

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS %/100ft	CLOSURE DIST ft	CLOSURE DIR deg
7275.00	0.07	204.97	7266.66	-235.95	-235.64	18.35	0.02	236.35	175.55
7300.00	0.08	237.45	7291.66	-235.97	-235.66	18.33	0.17	236.37	175.55
7325.00	0.04	225.96	7316.66	-235.99	-235.68	18.31	0.16	236.39	175.56
7350.00	0.08	194.03	7341.66	-236.01	-235.70	18.30	0.22	236.41	175.56
7375.00	0.09	217.81	7366.66	-236.04	-235.73	18.28	0.14	236.44	175.57
7400.00	0.03	253.86	7391.66	-236.06	-235.75	18.26	0.26	236.45	175.57
7425.00	0.07	127.89	7416.66	-236.07	-235.76	18.27	0.35	236.47	175.57
7450.00	0.09	109.59	7441.66	-236.08	-235.77	18.30	0.13	236.48	175.56
7475.00	0.06	230.59	7466.66	-236.10	-235.79	18.30	0.51	236.50	175.56
7500.00	0.07	214.91	7491.66	-236.12	-235.81	18.28	0.07	236.52	175.57
7525.00	0.05	199.67	7516.66	-236.14	-235.83	18.27	0.09	236.54	175.57
7550.00	0.02	282.68	7541.66	-236.15	-235.84	18.26	0.21	236.55	175.57
7575.00	0.01	49.75	7566.66	-236.15	-235.84	18.26	0.13	236.54	175.57
7600.00	0.02	138.54	7591.66	-236.15	-235.84	18.27	0.11	236.55	175.57
7625.00	0.04	61.67	7616.66	-236.15	-235.84	18.28	0.16	236.55	175.57
7650.00	0.06	121.06	7641.66	-236.15	-235.84	18.30	0.20	236.55	175.56
7675.00	0.01	59.25	7666.66	-236.16	-235.85	18.31	0.21	236.56	175.56
7700.00	0.14	112.73	7691.66	-236.17	-235.86	18.34	0.53	236.57	175.55
7725.00	0.10	79.92	7716.66	-236.18	-235.87	18.39	0.30	236.58	175.54
7750.00	0.10	41.99	7741.66	-236.16	-235.85	18.42	0.26	236.56	175.53
7775.00	0.11	60.24	7766.66	-236.13	-235.82	18.46	0.15	236.54	175.52
7800.00	0.12	92.92	7791.66	-236.12	-235.81	18.51	0.27	236.53	175.51
7825.00	0.17	87.45	7816.66	-236.12	-235.81	18.57	0.21	236.54	175.50
7850.00	0.26	67.71	7841.66	-236.10	-235.78	18.66	0.46	236.52	175.47
7875.00	0.21	76.29	7866.66	-236.07	-235.75	18.76	0.25	236.50	175.45
7900.00	0.31	64.78	7891.66	-236.03	-235.71	18.87	0.44	236.46	175.42
7925.00	0.34	72.92	7916.66	-235.98	-235.66	19.00	0.21	236.43	175.39
7950.00	0.28	70.75	7941.66	-235.94	-235.62	19.13	0.22	236.39	175.36
7975.00	0.36	65.99	7966.66	-235.89	-235.57	19.26	0.33	236.35	175.33
8000.00	0.43	73.15	7991.66	-235.84	-235.51	19.42	0.34	236.31	175.29
8025.00	0.45	74.64	8016.66	-235.79	-235.45	19.60	0.08	236.27	175.24
8050.00	0.47	74.19	8041.66	-235.74	-235.40	19.80	0.08	236.23	175.19

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS "/100ft	CLOSURE DIST ft	CLOSURE DIR deg
8075.00	0.44	74.18	8066.66	-235.69	-235.35	19.99	0.12	236.19	175.15
8100.00	0.61	69.70	8091.66	-235.62	-235.27	20.20	0.73	236.14	175.09
8125.00	0.56	74.66	8116.66	-235.55	-235.19	20.45	0.29	236.08	175.03
8150.00	0.66	75.65	8141.65	-235.48	-235.13	20.71	0.41	236.04	174.97
8175.00	0.64	75.03	8166.65	-235.42	-235.05	20.98	0.09	235.99	174.90
8200.00	0.66	79.93	8191.65	-235.36	-234.99	21.26	0.23	235.95	174.83
8225.00	0.66	79.41	8216.65	-235.31	-234.94	21.54	0.04	235.93	174.76
8250.00	0.70	76.69	8241.65	-235.26	-234.88	21.83	0.20	235.89	174.69
8275.00	0.68	82.06	8266.65	-235.21	-234.82	22.13	0.27	235.86	174.62
8300.00	0.76	77.70	8291.64	-235.16	-234.77	22.44	0.37	235.84	174.54
8325.00	0.77	76.80	8316.64	-235.09	-234.69	22.77	0.08	235.79	174.46
8350.00	0.85	79.78	8341.64	-235.03	-234.62	23.11	0.37	235.76	174.37
8375.00	0.94	80.02	8366.64	-234.96	-234.55	23.50	0.36	235.73	174.28
8400.00	0.99	79.07	8391.63	-234.90	-234.48	23.92	0.20	235.69	174.18
8425.00	1.13	80.87	8416.63	-234.82	-234.40	24.37	0.57	235.66	174.06
8450.00	1.11	80.47	8441.62	-234.75	-234.32	24.85	0.10	235.63	173.95
8475.00	1.13	77.97	8466.62	-234.67	-234.23	25.33	0.22	235.59	173.83
8500.00	1.00	83.65	8491.61	-234.61	-234.15	25.79	0.69	235.57	173.71
8525.00	1.12	79.58	8516.61	-234.55	-234.08	26.25	0.58	235.55	173.60
8550.00	1.22	81.27	8541.60	-234.47	-234.00	26.75	0.41	235.52	173.48
8575.00	1.23	79.84	8566.60	-234.39	-233.91	27.28	0.14	235.49	173.35
8600.00	1.26	83.44	8591.59	-234.33	-233.83	27.81	0.32	235.48	173.22
8625.00	1.29	80.83	8616.59	-234.26	-233.75	28.36	0.26	235.47	173.08
8650.00	1.27	80.30	8641.58	-234.18	-233.66	28.91	0.09	235.45	172.95
8675.00	1.23	79.09	8666.57	-234.09	-233.57	29.45	0.20	235.42	172.81
8700.00	1.29	81.83	8691.57	-234.01	-233.48	29.99	0.35	235.39	172.68
8725.00	1.27	83.20	8716.56	-233.95	-233.40	30.54	0.14	235.39	172.54
8750.00	1.24	82.70	8741.56	-233.89	-233.34	31.09	0.12	235.40	172.41
8775.00	1.24	82.54	8766.55	-233.83	-233.27	31.62	0.02	235.40	172.28
8800.00	1.34	80.95	8791.54	-233.76	-233.18	32.18	0.40	235.39	172.14
8825.00	1.32	81.77	8816.54	-233.69	-233.10	32.75	0.10	235.39	172.00
8850.00	1.28	79.90	8841.53	-233.61	-233.01	33.32	0.23	235.38	171.86

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	1.31	78.85	8866.52	-233.52	-232.90	33.87	0.15	235.35	171.73
8900.00	1.38	80.02	8891.52	-233.42	-232.79	34.45	0.29	235.33	171.58
8925.00	1.53	77.65	8916.51	-233.31	-232.67	35.07	0.63	235.30	171.43
8950.00	1.44	77.85	8941.50	-233.18	-232.53	35.71	0.36	235.26	171.27
8975.00	1.49	79.07	8966.49	-233.07	-232.41	36.33	0.24	235.23	171.12
9000.00	1.48	78.35	8991.48	-232.95	-232.28	36.97	0.08	235.20	170.96
9025.00	1.54	78.55	9016.48	-232.83	-232.15	37.61	0.24	235.17	170.80
9050.00	1.61	76.78	9041.47	-232.70	-232.00	38.28	0.33	235.14	170.63
9075.00	1.59	77.59	9066.46	-232.56	-231.85	38.97	0.11	235.10	170.46
9100.00	1.56	77.91	9091.45	-232.42	-231.70	39.64	0.13	235.07	170.29
9125.00	1.51	77.41	9116.44	-232.29	-231.56	40.29	0.20	235.04	170.13
9150.00	1.60	76.48	9141.43	-232.15	-231.40	40.96	0.37	235.00	169.96
9175.00	1.58	76.26	9166.42	-232.00	-231.24	41.63	0.08	234.96	169.79
9200.00	1.58	76.56	9191.41	-231.85	-231.08	42.30	0.03	234.92	169.63
9225.00	1.57	76.42	9216.40	-231.71	-230.92	42.97	0.02	234.88	169.46
9250.00	1.64	76.34	9241.39	-231.55	-230.75	43.65	0.26	234.84	169.29
9275.00	1.54	76.49	9266.38	-231.40	-230.59	44.32	0.41	234.81	169.12
9300.00	1.60	78.67	9291.37	-231.27	-230.44	44.99	0.36	234.79	168.95
9325.00	1.43	75.43	9316.36	-231.14	-230.29	45.64	0.78	234.77	168.79
9350.00	1.47	77.62	9341.35	-231.00	-230.15	46.25	0.27	234.75	168.64
9375.00	1.42	79.82	9366.35	-230.89	-230.02	46.87	0.28	234.75	168.48
9400.00	1.40	73.82	9391.34	-230.76	-229.88	47.47	0.60	234.73	168.33
9425.00	0.74	55.10	9416.33	-230.59	-229.71	47.89	2.96	234.65	168.22
9450.00	0.47	42.80	9441.33	-230.43	-229.54	48.09	1.18	234.52	168.17
9475.00	0.48	30.62	9466.33	-230.27	-229.38	48.22	0.40	234.39	168.13
9500.00	0.47	18.63	9491.33	-230.08	-229.19	48.30	0.40	234.22	168.10
9525.00	0.45	23.66	9516.33	-229.90	-229.00	48.37	0.17	234.06	168.07
9550.00	0.38	19.63	9541.33	-229.73	-228.84	48.44	0.32	233.91	168.05
9575.00	0.25	5.68	9566.33	-229.60	-228.71	48.47	0.57	233.79	168.03
9600.00	0.30	341.61	9591.33	-229.48	-228.59	48.46	0.50	233.67	168.03
9625.00	0.27	330.89	9616.33	-229.37	-228.47	48.41	0.25	233.54	168.04
9650.00	0.29	307.37	9641.33	-229.28	-228.38	48.33	0.46	233.44	168.05

MD ft	INC deg	AZIM deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS "/100ft	CLOSURE DIST ft	CLOSURE DIR deg
9675.00	0.33	312.42	9666.33	-229.19	-228.30	48.23	0.22	233.33	168.07
9700.00	0.23	302.44	9691.33	-229.11	-228.22	48.13	0.46	233.24	168.09
9725.00	0.18	300.55	9716.33	-229.06	-228.17	48.05	0.19	233.18	168.11
9750.00	0.39	281.83	9741.33	-229.02	-228.13	47.93	0.89	233.12	168.13
9775.00	0.28	269.36	9766.33	-229.00	-228.12	47.79	0.53	233.07	168.17
9800.00	0.41	250.80	9791.33	-229.03	-228.15	47.65	0.67	233.07	168.20
9825.00	0.47	234.99	9816.33	-229.11	-228.24	47.48	0.54	233.12	168.25
9850.00	0.56	234.01	9841.33	-229.24	-228.37	47.30	0.35	233.21	168.30
9875.00	0.72	229.01	9866.32	-229.41	-228.54	47.08	0.68	233.34	168.36
9900.00	0.78	223.54	9891.32	-229.63	-228.77	46.84	0.38	233.51	168.43
9925.00	0.71	217.94	9916.32	-229.87	-229.01	46.63	0.39	233.71	168.49
9950.00	0.80	224.01	9941.32	-230.12	-229.26	46.42	0.47	233.91	168.55
9975.00	0.82	221.12	9966.31	-230.37	-229.52	46.18	0.18	234.12	168.62
10000.00	0.89	223.96	9991.31	-230.64	-229.79	45.93	0.32	234.34	168.70
10025.00	0.86	224.29	10016.31	-230.91	-230.07	45.66	0.10	234.55	168.77
10050.00	0.91	225.69	10041.31	-231.18	-230.34	45.39	0.22	234.77	168.85
10075.00	0.87	230.34	10066.30	-231.43	-230.60	45.10	0.33	234.97	168.93
10100.00	0.90	227.76	10091.30	-231.68	-230.85	44.81	0.19	235.16	169.02
10125.00	1.00	226.75	10116.30	-231.96	-231.14	44.50	0.42	235.38	169.10
10150.00	1.00	230.30	10141.29	-232.24	-231.43	44.17	0.25	235.60	169.19
10175.00	1.02	229.22	10166.29	-232.52	-231.71	43.84	0.11	235.82	169.29
10200.00	1.08	231.41	10191.28	-232.80	-232.00	43.48	0.29	236.04	169.38
10225.00	1.13	232.74	10216.28	-233.09	-232.30	43.10	0.24	236.27	169.49
10250.00	1.23	230.64	10241.27	-233.40	-232.62	42.70	0.42	236.51	169.60
10275.00	1.17	234.98	10266.27	-233.71	-232.94	42.28	0.44	236.74	169.71
10300.00	1.19	229.27	10291.26	-234.02	-233.25	41.87	0.48	236.98	169.82
10325.00	1.23	233.57	10316.26	-234.34	-233.58	41.46	0.40	237.23	169.93
10350.00	1.22	241.53	10341.25	-234.62	-233.87	41.01	0.68	237.44	170.05
10375.00	1.20	244.46	10366.25	-234.85	-234.11	40.54	0.25	237.59	170.17
10400.00	1.19	244.74	10391.24	-235.06	-234.33	40.07	0.07	237.73	170.30
10425.00	1.30	246.72	10416.24	-235.28	-234.55	39.58	0.49	237.87	170.42
10450.00	1.30	245.00	10441.23	-235.50	-234.79	39.06	0.16	238.01	170.56

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	246.12	10466.22	-235.73	-235.03	38.52	0.38	238.17	170.69
10500.00	1.29	245.15	10491.22	-235.96	-235.27	37.99	0.43	238.32	170.83
10525.00	1.34	241.39	10516.21	-236.21	-235.53	37.48	0.40	238.49	170.96
10550.00	1.36	242.33	10541.20	-236.48	-235.81	36.96	0.11	238.69	171.09
10575.00	1.41	246.32	10566.19	-236.73	-236.07	36.41	0.44	238.86	171.23
10600.00	1.59	244.33	10591.19	-236.99	-236.34	35.82	0.73	239.04	171.38
10625.00	1.95	246.14	10616.17	-237.30	-236.66	35.12	1.48	239.26	171.56
10650.00	2.18	247.62	10641.16	-237.64	-237.02	34.29	0.94	239.48	171.77
10675.00	2.18	245.92	10666.14	-238.00	-237.39	33.42	0.26	239.73	171.99
10700.00	2.17	239.53	10691.12	-238.41	-237.83	32.57	0.97	240.05	172.20
10725.00	2.23	232.83	10716.10	-238.93	-238.36	31.78	1.06	240.47	172.41
10750.00	2.26	225.71	10741.08	-239.56	-239.00	31.04	1.12	241.01	172.60
10775.00	2.25	215.69	10766.07	-240.29	-239.74	30.40	1.57	241.66	172.77
10800.00	2.29	209.51	10791.05	-241.11	-240.58	29.86	0.99	242.42	172.92
10825.00	2.35	204.03	10816.03	-242.00	-241.48	29.41	0.92	243.26	173.06
10850.00	2.41	202.28	10841.00	-242.95	-242.43	29.00	0.39	244.16	173.18
10875.00	2.45	200.01	10865.98	-243.93	-243.42	28.62	0.41	245.10	173.29
10900.00	2.38	198.30	10890.96	-244.92	-244.42	28.27	0.40	246.05	173.40
10925.00	2.42	196.35	10915.94	-245.91	-245.42	27.96	0.36	247.00	173.50
10950.00	2.49	196.14	10940.91	-246.93	-246.44	27.66	0.27	247.99	173.60
10975.00	2.55	197.64	10965.89	-247.98	-247.49	27.34	0.37	249.00	173.70
11000.00	2.59	197.72	10990.86	-249.04	-248.56	27.00	0.16	250.02	173.80
11025.00	2.65	197.43	11015.84	-250.12	-249.65	26.66	0.25	251.07	173.91
11050.00	2.78	198.27	11040.81	-251.24	-250.78	26.29	0.53	252.15	174.01
11075.00	2.73	198.10	11065.78	-252.37	-251.92	25.92	0.20	253.25	174.13
11100.00	2.63	200.54	11090.75	-253.47	-253.02	25.53	0.59	254.30	174.24
11125.00	2.46	203.90	11115.73	-254.49	-254.05	25.11	0.90	255.29	174.35
11150.00	2.40	208.43	11140.71	-255.43	-255.00	24.65	0.81	256.19	174.48
11175.00	2.41	214.51	11165.69	-256.31	-255.89	24.10	1.02	257.02	174.62
11200.00	2.51	216.90	11190.66	-257.17	-256.76	23.48	0.57	257.83	174.78
11225.00	2.58	215.74	11215.64	-258.05	-257.65	22.82	0.35	258.66	174.94
11250.00	2.80	219.88	11240.61	-258.96	-258.58	22.10	1.18	259.52	175.11

SURVEY REPORT

FEZ FEDERAL COM #604H

DEFINITIVE KEEPER GYRO SURVEY

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
11275.00	2.83	219.76	11265.58	-259.88	-259.52	21.31	0.13	260.39	175.30
11300.00	2.74	222.18	11290.55	-260.79	-260.44	20.52	0.59	261.24	175.50
11325.00	2.46	230.36	11315.52	-261.56	-261.22	19.70	1.85	261.97	175.69
11350.00	1.79	241.48	11340.51	-262.07	-261.75	18.95	3.15	262.44	175.86
11375.00	1.27	283.26	11365.50	-262.18	-261.87	18.33	4.77	262.52	176.00
11398.00	1.51	325.38	11388.49	-261.86	-261.57	17.91	4.46	262.18	176.08