

COG

FEZ FEDERAL COM #602H

MCVAY #8

12/5/2018

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

JAKE ELGER

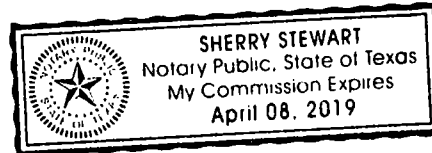
Notarized this date 11th of JANUARY, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



Scientific Drilling

The

In Wellbore Placement

SURVEY REPORT

FEZ FEDERAL COM #602H

KEEPER GYRO SURVEY

CUSTOMER
PROJECT
FIELD

COG
Fez Fed Com #602H
N/A

SDI JOB NO.
SDI DISTRICT
SDI KIT/UNIT

OP.014924
Midland

SITE INFORMATION

Site Name Fez Fed Com #602H
Lat/Long 32.138406° N, 103.375563° W
Northing 415,406 ft
Easting 837,794.1 ft

Section
Township
Range

MAP INFORMATION

North Reference Grid North
Grid Correction -0.51 deg
System US State Plane 1983
Datum North American Datum 1983 (GRS 1980)
Map Zone New Mexico East: 3001

**WELL INFORMATION**

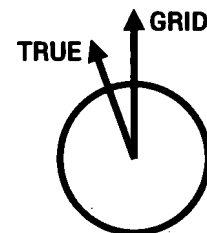
Lat/Long 32.1384° N, 103.375563° W
Northing
Easting
UWI 30-025-45275

DEPTH AND ELEVATION REFERENCE

Ground Level 3243 ft above Mean Sea Level
Reference Datum RKB
Reference Height 26 ft above G.L.
Reference Elevation 3269 ft

VERTICAL SECTION REFERENCE

+N/-S 0 ft
+E/-W 0 ft
Proposal Direction 0.45°
Calculation Method Minimum Curvature

**LOCAL GRAVITY REFERENCE INFORMATION**

Local Gravity 998.509 mG [computed]
True to Grid subtract 0.51°

WELL NOTES

Keeper Gyro Survey

OPERATORS

Troy Morgan

SDI Operator Name (Printed)

SIGNATURE

DATE

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	0.78	170.55	100.00	-0.67	-0.67	0.11	0.78	0.68	170.55
125.00	0.99	169.22	124.99	-1.05	-1.05	0.18	0.87	1.06	170.28
150.00	1.03	185.54	149.99	-1.48	-1.48	0.20	1.15	1.49	172.38
175.00	1.16	196.52	174.99	-1.95	-1.95	0.10	1.01	1.95	176.93
200.00	1.40	191.96	199.98	-2.49	-2.49	-0.03	1.02	2.49	180.71
225.00	1.40	185.70	224.97	-3.09	-3.09	-0.12	0.61	3.09	182.31
250.00	1.37	188.89	249.96	-3.69	-3.69	-0.20	0.33	3.69	183.12
275.00	1.39	184.04	274.96	-4.29	-4.28	-0.27	0.48	4.29	183.58
300.00	1.38	188.01	299.95	-4.89	-4.89	-0.33	0.38	4.90	183.88
325.00	1.33	188.51	324.94	-5.47	-5.47	-0.42	0.24	5.49	184.35
350.00	1.34	186.95	349.94	-6.05	-6.05	-0.49	0.16	6.07	184.68
375.00	1.21	188.62	374.93	-6.60	-6.60	-0.57	0.54	6.62	184.93
400.00	1.11	186.80	399.93	-7.11	-7.10	-0.64	0.43	7.13	185.13
425.00	0.96	188.86	424.92	-7.56	-7.55	-0.70	0.62	7.58	185.29
450.00	0.97	189.06	449.92	-7.97	-7.97	-0.77	0.05	8.01	185.48
475.00	0.96	183.78	474.91	-8.39	-8.39	-0.81	0.36	8.43	185.53
500.00	0.86	176.85	499.91	-8.79	-8.78	-0.82	0.60	8.82	185.31
525.00	0.64	183.44	524.91	-9.12	-9.11	-0.81	0.91	9.15	185.11
550.00	0.40	176.87	549.91	-9.34	-9.34	-0.82	1.00	9.37	185.01
575.00	0.30	186.80	574.91	-9.50	-9.49	-0.82	0.49	9.52	184.94
600.00	0.23	184.15	599.91	-9.61	-9.60	-0.83	0.27	9.64	184.95
625.00	0.14	195.66	624.91	-9.69	-9.68	-0.84	0.40	9.72	184.98
650.00	0.14	192.56	649.91	-9.75	-9.74	-0.86	0.04	9.78	185.04
675.00	0.10	227.10	674.91	-9.79	-9.79	-0.88	0.33	9.83	185.15
700.00	0.05	306.06	699.91	-9.80	-9.80	-0.91	0.43	9.84	185.29
725.00	0.06	341.56	724.91	-9.78	-9.78	-0.92	0.14	9.82	185.38
750.00	0.10	349.70	749.91	-9.75	-9.74	-0.93	0.17	9.79	185.45
775.00	0.16	345.91	774.91	-9.69	-9.69	-0.94	0.24	9.73	185.55
800.00	0.16	359.06	799.91	-9.62	-9.62	-0.95	0.15	9.66	185.65
825.00	0.18	351.31	824.91	-9.55	-9.54	-0.96	0.11	9.59	185.73
850.00	0.23	353.68	849.91	-9.46	-9.45	-0.97	0.19	9.50	185.85

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	0.21	11.13	874.91	-9.37	-9.36	-0.97	0.27	9.41	185.89
900.00	0.28	354.26	899.91	-9.26	-9.25	-0.96	0.40	9.30	185.94
925.00	0.32	0.16	924.91	-9.13	-9.12	-0.97	0.19	9.17	186.06
950.00	0.31	0.49	949.90	-8.99	-8.99	-0.97	0.05	9.04	186.15
975.00	0.31	359.29	974.90	-8.86	-8.85	-0.97	0.04	8.90	186.24
1000.00	0.34	354.66	999.90	-8.72	-8.71	-0.98	0.16	8.76	186.39
1025.00	0.33	358.06	1024.90	-8.57	-8.56	-0.99	0.09	8.62	186.56
1050.00	0.30	1.40	1049.90	-8.43	-8.42	-0.99	0.15	8.48	186.68
1075.00	0.31	346.72	1074.90	-8.30	-8.29	-1.00	0.31	8.35	186.88
1100.00	0.26	343.86	1099.90	-8.18	-8.17	-1.03	0.18	8.24	187.19
1125.00	0.28	339.88	1124.90	-8.07	-8.06	-1.07	0.09	8.13	187.55
1150.00	0.26	339.74	1149.90	-7.96	-7.95	-1.11	0.08	8.03	187.94
1175.00	0.31	341.81	1174.90	-7.84	-7.83	-1.15	0.22	7.92	188.34
1200.00	0.23	335.78	1199.90	-7.73	-7.72	-1.19	0.34	7.81	188.77
1225.00	0.23	337.40	1224.90	-7.64	-7.63	-1.23	0.03	7.73	189.16
1250.00	0.23	336.77	1249.90	-7.55	-7.54	-1.27	0.02	7.64	189.56
1275.00	0.26	332.23	1274.90	-7.45	-7.44	-1.32	0.12	7.56	190.03
1300.00	0.27	332.66	1299.90	-7.35	-7.34	-1.37	0.04	7.46	190.57
1325.00	0.22	328.46	1324.90	-7.26	-7.24	-1.42	0.19	7.38	191.10
1350.00	0.15	330.52	1349.90	-7.19	-7.17	-1.46	0.30	7.32	191.53
1375.00	0.10	326.54	1374.90	-7.14	-7.13	-1.49	0.20	7.28	191.81
1400.00	0.13	324.56	1399.90	-7.10	-7.09	-1.52	0.13	7.25	192.10
1425.00	0.21	299.64	1424.90	-7.05	-7.04	-1.58	0.43	7.22	192.62
1450.00	0.26	291.16	1449.90	-7.01	-7.00	-1.67	0.24	7.19	193.41
1475.00	0.24	286.00	1474.90	-6.98	-6.96	-1.77	0.11	7.18	194.28
1500.00	0.23	288.21	1499.90	-6.95	-6.93	-1.87	0.08	7.18	195.10
1525.00	0.25	286.23	1524.90	-6.92	-6.90	-1.97	0.12	7.18	195.94
1550.00	0.30	288.60	1549.90	-6.88	-6.87	-2.09	0.18	7.18	196.90
1575.00	0.28	286.22	1574.90	-6.84	-6.83	-2.21	0.09	7.18	197.90
1600.00	0.29	290.39	1599.90	-6.81	-6.79	-2.32	0.09	7.18	198.88
1625.00	0.26	279.93	1624.90	-6.78	-6.76	-2.44	0.22	7.18	199.83
1650.00	0.26	280.51	1649.90	-6.76	-6.74	-2.55	0.01	7.20	200.72

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
1675.00	0.29	294.64	1674.90	-6.72	-6.70	-2.66	0.28	7.21	201.67
1700.00	0.26	280.09	1699.90	-6.69	-6.66	-2.77	0.30	7.22	202.60
1725.00	0.25	288.38	1724.90	-6.66	-6.64	-2.88	0.15	7.24	203.47
1750.00	0.27	278.33	1749.90	-6.64	-6.61	-2.99	0.20	7.26	204.35
1775.00	0.28	272.70	1774.90	-6.62	-6.60	-3.11	0.12	7.30	205.24
1800.00	0.29	269.47	1799.90	-6.62	-6.60	-3.24	0.07	7.35	206.13
1825.00	0.30	268.88	1824.90	-6.63	-6.60	-3.37	0.06	7.41	207.02
1850.00	0.31	264.24	1849.90	-6.64	-6.61	-3.50	0.10	7.48	207.90
1875.00	0.33	272.50	1874.89	-6.64	-6.61	-3.64	0.19	7.55	208.81
1900.00	0.39	282.49	1899.89	-6.62	-6.59	-3.79	0.37	7.60	209.91
1925.00	0.36	288.88	1924.89	-6.58	-6.55	-3.95	0.21	7.65	211.10
1950.00	0.39	291.50	1949.89	-6.52	-6.49	-4.10	0.14	7.68	212.31
1975.00	0.28	293.54	1974.89	-6.47	-6.43	-4.24	0.45	7.70	213.38
2000.00	0.24	289.41	1999.89	-6.43	-6.39	-4.34	0.19	7.73	214.20
2025.00	0.28	291.35	2024.89	-6.39	-6.35	-4.45	0.17	7.76	215.00
2050.00	0.20	286.57	2049.89	-6.35	-6.32	-4.55	0.31	7.78	215.74
2075.00	0.24	292.24	2074.89	-6.32	-6.29	-4.64	0.18	7.81	216.42
2100.00	0.27	294.36	2099.89	-6.28	-6.24	-4.74	0.11	7.84	217.22
2125.00	0.24	285.54	2124.89	-6.24	-6.20	-4.84	0.20	7.87	217.98
2150.00	0.38	290.93	2149.89	-6.20	-6.16	-4.97	0.58	7.92	218.90
2175.00	0.34	304.22	2174.89	-6.13	-6.09	-5.11	0.37	7.95	220.00
2200.00	0.32	313.20	2199.89	-6.04	-6.00	-5.22	0.23	7.95	221.04
2225.00	0.35	317.52	2224.89	-5.94	-5.90	-5.32	0.17	7.94	222.09
2250.00	0.28	333.16	2249.89	-5.83	-5.78	-5.40	0.44	7.92	223.06
2275.00	0.31	336.51	2274.89	-5.71	-5.67	-5.46	0.12	7.87	223.93
2300.00	0.26	335.32	2299.89	-5.60	-5.55	-5.51	0.19	7.82	224.77
2325.00	0.25	342.77	2324.89	-5.49	-5.45	-5.55	0.14	7.78	225.51
2350.00	0.20	328.26	2349.89	-5.41	-5.36	-5.59	0.29	7.74	226.17
2375.00	0.33	332.14	2374.89	-5.31	-5.26	-5.64	0.53	7.72	227.01
2400.00	0.39	346.01	2399.89	-5.16	-5.12	-5.70	0.42	7.66	228.08
2425.00	0.37	352.51	2424.89	-5.00	-4.95	-5.73	0.18	7.57	229.16
2450.00	0.38	357.24	2449.89	-4.83	-4.79	-5.74	0.13	7.48	230.18

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	0.37	7.51	2474.89	-4.67	-4.63	-5.74	0.28	7.37	231.12
2500.00	0.39	358.03	2499.89	-4.51	-4.46	-5.73	0.27	7.26	232.09
2525.00	0.52	4.22	2524.88	-4.31	-4.26	-5.72	0.54	7.14	233.32
2550.00	0.56	16.50	2549.88	-4.08	-4.03	-5.68	0.50	6.97	234.62
2575.00	0.58	18.49	2574.88	-3.84	-3.80	-5.61	0.10	6.77	235.90
2600.00	0.64	27.90	2599.88	-3.60	-3.55	-5.50	0.47	6.55	237.14
2625.00	0.65	23.66	2624.88	-3.34	-3.30	-5.38	0.20	6.31	238.47
2650.00	0.83	26.91	2649.88	-3.05	-3.01	-5.24	0.74	6.04	240.14
2675.00	0.85	28.04	2674.87	-2.72	-2.68	-5.07	0.11	5.74	242.13
2700.00	0.89	30.66	2699.87	-2.39	-2.35	-4.88	0.21	5.42	244.30
2725.00	0.93	33.77	2724.87	-2.05	-2.02	-4.67	0.25	5.09	246.67
2750.00	0.93	34.49	2749.87	-1.71	-1.68	-4.44	0.05	4.75	249.30
2775.00	1.22	33.86	2774.86	-1.32	-1.29	-4.18	1.14	4.38	252.85
2800.00	1.18	41.69	2799.86	-0.91	-0.88	-3.86	0.68	3.96	257.19
2825.00	1.21	40.47	2824.85	-0.51	-0.49	-3.52	0.16	3.55	262.13
2850.00	1.16	42.40	2849.84	-0.12	-0.10	-3.18	0.23	3.18	268.22
2875.00	1.16	40.10	2874.84	0.26	0.28	-2.84	0.19	2.86	275.66
2900.00	1.26	36.61	2899.83	0.68	0.70	-2.52	0.50	2.61	285.44
2925.00	1.32	39.43	2924.83	1.12	1.14	-2.17	0.35	2.45	297.65
2950.00	1.34	42.39	2949.82	1.56	1.58	-1.79	0.29	2.39	311.33
2975.00	1.39	42.19	2974.81	2.01	2.02	-1.39	0.20	2.45	325.39
3000.00	1.46	39.31	2999.81	2.48	2.49	-0.99	0.41	2.68	338.38
3025.00	1.42	40.61	3024.80	2.96	2.97	-0.58	0.22	3.03	348.90
3050.00	1.37	37.42	3049.79	3.44	3.44	-0.20	0.36	3.45	356.69
3075.00	1.48	37.66	3074.78	3.94	3.93	0.18	0.42	3.94	2.61
3100.00	1.15	51.80	3099.78	4.35	4.35	0.57	1.83	4.38	7.52
3125.00	0.84	72.89	3124.77	4.56	4.55	0.95	1.90	4.65	11.75
3150.00	0.72	87.40	3149.77	4.63	4.62	1.28	0.93	4.79	15.48
3175.00	0.68	92.33	3174.77	4.63	4.62	1.58	0.29	4.88	18.91
3200.00	0.64	98.81	3199.77	4.60	4.59	1.87	0.33	4.96	22.14
3225.00	0.64	96.73	3224.77	4.57	4.55	2.15	0.09	5.03	25.23
3250.00	0.64	96.00	3249.76	4.54	4.52	2.42	0.03	5.13	28.19

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	0.54	92.50	3274.76	4.52	4.50	2.68	0.44	5.24	30.78
3300.00	0.60	87.87	3299.76	4.52	4.50	2.93	0.29	5.37	33.06
3325.00	0.68	93.70	3324.76	4.52	4.50	3.21	0.44	5.52	35.51
3350.00	0.59	97.99	3349.76	4.50	4.47	3.48	0.43	5.67	37.94
3375.00	0.52	91.90	3374.76	4.48	4.45	3.72	0.37	5.80	39.94
3400.00	0.44	83.47	3399.76	4.48	4.45	3.93	0.42	5.94	41.43
3425.00	0.48	82.12	3424.76	4.51	4.48	4.13	0.16	6.09	42.68
3450.00	0.53	87.98	3449.75	4.53	4.50	4.35	0.29	6.26	44.04
3475.00	0.50	89.37	3474.75	4.54	4.50	4.57	0.13	6.42	45.45
3500.00	0.49	84.33	3499.75	4.55	4.51	4.79	0.18	6.58	46.70
3525.00	0.45	75.06	3524.75	4.59	4.55	4.99	0.35	6.76	47.65
3550.00	0.54	71.55	3549.75	4.65	4.61	5.20	0.38	6.95	48.42
3575.00	0.66	72.48	3574.75	4.74	4.69	5.45	0.48	7.19	49.25
3600.00	0.65	80.97	3599.75	4.80	4.76	5.73	0.39	7.45	50.26
3625.00	0.57	75.41	3624.75	4.86	4.81	5.99	0.40	7.68	51.20
3650.00	0.57	69.57	3649.74	4.94	4.89	6.22	0.23	7.91	51.85
3675.00	0.61	65.39	3674.74	5.04	4.99	6.46	0.25	8.16	52.34
3700.00	0.66	77.02	3699.74	5.13	5.08	6.72	0.55	8.42	52.95
3725.00	0.60	78.68	3724.74	5.19	5.13	6.99	0.24	8.68	53.72
3750.00	0.58	78.81	3749.74	5.24	5.18	7.25	0.08	8.91	54.42
3775.00	0.66	66.55	3774.74	5.32	5.27	7.50	0.61	9.17	54.94
3800.00	0.72	77.85	3799.74	5.42	5.36	7.79	0.59	9.45	55.49
3825.00	0.69	79.13	3824.73	5.48	5.42	8.09	0.14	9.73	56.19
3850.00	0.72	78.81	3849.73	5.54	5.48	8.39	0.14	10.02	56.87
3875.00	0.71	75.35	3874.73	5.61	5.55	8.69	0.18	10.31	57.47
3900.00	0.86	78.59	3899.73	5.69	5.62	9.03	0.65	10.63	58.09
3925.00	0.88	84.42	3924.72	5.75	5.68	9.40	0.36	10.98	58.88
3950.00	0.92	86.22	3949.72	5.79	5.71	9.79	0.21	11.34	59.76
3975.00	1.00	86.03	3974.72	5.82	5.74	10.21	0.32	11.72	60.67
4000.00	0.97	77.42	3999.71	5.88	5.80	10.64	0.61	12.12	61.41
4025.00	1.04	81.44	4024.71	5.97	5.88	11.07	0.41	12.53	62.03
4050.00	0.88	85.12	4049.71	6.02	5.93	11.49	0.68	12.93	62.70

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
4075.00	0.12	132.24	4074.71	6.02	5.93	11.70	3.23	13.11	63.13
4100.00	0.56	246.54	4099.71	5.95	5.86	11.61	2.48	13.00	63.20
4125.00	0.46	235.56	4124.70	5.85	5.76	11.41	0.55	12.78	63.23
4150.00	0.45	228.01	4149.70	5.72	5.63	11.25	0.25	12.58	63.41
4175.00	0.44	239.85	4174.70	5.61	5.52	11.10	0.37	12.39	63.56
4200.00	0.29	221.24	4199.70	5.51	5.42	10.97	0.75	12.24	63.70
4225.00	0.18	159.49	4224.70	5.43	5.34	10.94	1.04	12.18	63.99
4250.00	0.42	116.94	4249.70	5.35	5.26	11.04	1.25	12.23	64.51
4275.00	0.75	103.90	4274.70	5.27	5.18	11.28	1.41	12.41	65.32
4300.00	0.90	96.49	4299.70	5.21	5.12	11.63	0.75	12.71	66.24
4325.00	0.97	97.10	4324.69	5.17	5.07	12.04	0.27	13.06	67.15
4350.00	0.93	98.61	4349.69	5.11	5.02	12.45	0.18	13.42	68.05
4375.00	1.01	95.80	4374.69	5.06	4.96	12.87	0.36	13.79	68.90
4400.00	0.92	102.49	4399.68	5.00	4.90	13.28	0.56	14.15	69.76
4425.00	0.88	105.91	4424.68	4.91	4.80	13.66	0.27	14.48	70.64
4450.00	0.62	131.40	4449.68	4.77	4.66	13.95	1.67	14.71	71.53
4475.00	0.92	216.01	4474.68	4.52	4.41	13.93	4.24	14.61	72.45
4500.00	2.06	238.23	4499.67	4.11	4.01	13.43	5.05	14.02	73.38
4525.00	2.92	243.10	4524.64	3.58	3.48	12.48	3.53	12.96	74.41
4550.00	3.28	244.45	4549.61	2.98	2.89	11.27	1.46	11.63	75.63
4575.00	3.48	244.71	4574.56	2.33	2.26	9.94	0.79	10.19	77.22
4600.00	3.51	245.44	4599.52	1.68	1.61	8.56	0.23	8.71	79.32
4625.00	3.51	246.98	4624.47	1.05	1.00	7.16	0.38	7.22	82.08
4650.00	3.69	244.44	4649.42	0.39	0.35	5.72	0.94	5.74	86.52
4675.00	3.71	245.55	4674.37	-0.30	-0.33	4.26	0.30	4.28	94.46
4700.00	3.94	243.55	4699.31	-1.03	-1.05	2.76	1.07	2.95	110.83
4725.00	4.11	242.83	4724.25	-1.83	-1.84	1.19	0.72	2.19	147.05
4750.00	4.06	243.81	4749.19	-2.64	-2.64	-0.40	0.34	2.67	188.58
4775.00	4.04	243.38	4774.13	-3.44	-3.43	-1.98	0.16	3.96	210.02
4800.00	4.10	243.06	4799.06	-4.25	-4.23	-3.56	0.26	5.53	220.14
4825.00	3.72	241.83	4824.01	-5.05	-5.01	-5.08	1.54	7.13	225.35
4850.00	2.93	234.25	4848.96	-5.82	-5.77	-6.31	3.62	8.55	227.55

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	1.84	212.47	4873.94	-6.54	-6.48	-7.04	5.60	9.57	227.38
4900.00	1.62	189.38	4898.93	-7.23	-7.17	-7.32	2.90	10.24	225.58
4925.00	1.51	175.34	4923.92	-7.90	-7.85	-7.35	1.59	10.75	223.12
4950.00	1.55	170.12	4948.91	-8.57	-8.51	-7.26	0.58	11.19	220.48
4975.00	1.51	170.95	4973.90	-9.23	-9.17	-7.15	0.19	11.63	217.95
5000.00	1.53	166.26	4998.89	-9.88	-9.82	-7.02	0.51	12.07	215.56
5025.00	1.51	168.14	5023.89	-10.52	-10.47	-6.87	0.22	12.52	213.29
5050.00	1.55	162.63	5048.88	-11.17	-11.11	-6.70	0.62	12.98	211.10
5075.00	1.54	164.54	5073.87	-11.81	-11.76	-6.51	0.21	13.45	208.98
5100.00	1.43	158.70	5098.86	-12.43	-12.38	-6.31	0.76	13.89	207.01
5125.00	1.40	159.90	5123.85	-13.00	-12.95	-6.09	0.16	14.32	205.19
5150.00	1.31	161.27	5148.84	-13.56	-13.51	-5.90	0.38	14.74	203.57
5175.00	1.18	156.66	5173.84	-14.07	-14.02	-5.70	0.65	15.14	202.13
5200.00	1.32	160.69	5198.83	-14.57	-14.53	-5.50	0.65	15.54	200.74
5225.00	1.28	162.37	5223.83	-15.11	-15.07	-5.32	0.24	15.98	199.46
5250.00	1.29	159.44	5248.82	-15.64	-15.60	-5.14	0.27	16.42	198.24
5275.00	1.20	161.26	5273.81	-16.15	-16.11	-4.96	0.39	16.86	197.10
5300.00	1.23	160.47	5298.81	-16.65	-16.61	-4.78	0.13	17.29	196.06
5325.00	1.20	163.49	5323.80	-17.15	-17.11	-4.62	0.28	17.73	195.10
5350.00	1.23	159.29	5348.80	-17.65	-17.62	-4.45	0.37	18.17	194.18
5375.00	1.19	158.79	5373.79	-18.14	-18.11	-4.26	0.16	18.60	193.24
5400.00	1.20	160.14	5398.79	-18.63	-18.60	-4.08	0.12	19.04	192.37
5425.00	1.25	161.46	5423.78	-19.13	-19.10	-3.90	0.24	19.49	191.55
5450.00	1.23	160.46	5448.77	-19.64	-19.61	-3.73	0.13	19.96	190.76
5475.00	1.23	159.95	5473.77	-20.14	-20.11	-3.55	0.06	20.42	190.00
5500.00	1.12	160.26	5498.76	-20.62	-20.60	-3.37	0.46	20.87	189.29
5525.00	1.17	158.35	5523.76	-21.09	-21.07	-3.19	0.27	21.31	188.62
5550.00	1.12	158.47	5548.75	-21.55	-21.53	-3.01	0.21	21.74	187.96
5575.00	1.23	156.25	5573.75	-22.03	-22.00	-2.81	0.45	22.18	187.28
5600.00	1.22	157.70	5598.74	-22.52	-22.50	-2.60	0.12	22.65	186.60
5625.00	1.19	158.73	5623.74	-23.00	-22.98	-2.41	0.17	23.11	185.98
5650.00	1.17	159.54	5648.73	-23.48	-23.46	-2.23	0.09	23.57	185.42

SURVEY REPORT

FEZ FEDERAL COM #602H

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
5675.00	1.20	158.23	5673.73	-23.96	-23.95	-2.04	0.16	24.03	184.87
5700.00	1.17	154.98	5698.72	-24.43	-24.42	-1.83	0.30	24.49	184.30
5725.00	1.25	151.78	5723.72	-24.90	-24.89	-1.60	0.44	24.94	183.67
5750.00	1.27	154.86	5748.71	-25.39	-25.38	-1.35	0.28	25.42	183.05
5775.00	1.13	153.14	5773.70	-25.86	-25.85	-1.12	0.59	25.88	182.49
5800.00	1.29	153.49	5798.70	-26.33	-26.32	-0.89	0.65	26.34	181.93
5825.00	1.26	153.41	5823.69	-26.82	-26.82	-0.64	0.09	26.83	181.36
5850.00	1.22	151.68	5848.69	-27.30	-27.30	-0.39	0.24	27.30	180.81
5875.00	1.37	151.09	5873.68	-27.80	-27.80	-0.12	0.60	27.80	180.24
5900.00	1.23	153.63	5898.67	-28.30	-28.30	0.15	0.58	28.30	179.70
5925.00	1.30	150.57	5923.67	-28.78	-28.79	0.41	0.38	28.79	179.19
5950.00	1.32	152.56	5948.66	-29.28	-29.29	0.68	0.19	29.30	178.67
5975.00	1.20	148.36	5973.66	-29.76	-29.77	0.95	0.59	29.78	178.18
6000.00	1.24	148.18	5998.65	-30.21	-30.22	1.23	0.16	30.25	177.67
6025.00	1.36	147.10	6023.64	-30.69	-30.70	1.53	0.48	30.74	177.14
6050.00	1.31	149.60	6048.64	-31.18	-31.19	1.84	0.31	31.25	176.63
6075.00	1.24	143.92	6073.63	-31.64	-31.66	2.14	0.57	31.73	176.13
6100.00	1.38	145.91	6098.62	-32.11	-32.13	2.47	0.59	32.22	175.61
6125.00	1.26	146.18	6123.62	-32.58	-32.60	2.79	0.50	32.72	175.11
6150.00	1.46	145.93	6148.61	-33.07	-33.10	3.12	0.82	33.24	174.61
6175.00	1.33	146.04	6173.60	-33.57	-33.60	3.46	0.54	33.78	174.12
6200.00	1.24	141.77	6198.60	-34.02	-34.05	3.79	0.53	34.26	173.65
6225.00	1.32	147.31	6223.59	-34.47	-34.51	4.11	0.59	34.75	173.20
6250.00	1.09	150.96	6248.58	-34.92	-34.96	4.38	0.95	35.23	172.85
6275.00	0.84	169.68	6273.58	-35.31	-35.34	4.53	1.60	35.63	172.69
6300.00	0.73	187.63	6298.58	-35.64	-35.68	4.54	1.07	35.97	172.74
6325.00	0.77	194.97	6323.58	-35.96	-36.00	4.48	0.42	36.28	172.91
6350.00	0.75	199.96	6348.57	-36.28	-36.32	4.38	0.28	36.58	173.12
6375.00	0.70	198.38	6373.57	-36.58	-36.61	4.28	0.21	36.86	173.34
6400.00	0.71	191.51	6398.57	-36.88	-36.91	4.20	0.34	37.15	173.51
6425.00	0.82	196.62	6423.57	-37.20	-37.23	4.11	0.49	37.46	173.69
6450.00	0.72	197.23	6448.57	-37.52	-37.56	4.02	0.37	37.77	173.89

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	0.81	191.44	6473.56	-37.85	-37.88	3.94	0.46	38.08	174.07
6500.00	0.80	202.14	6498.56	-38.18	-38.21	3.83	0.60	38.41	174.27
6525.00	0.85	196.04	6523.56	-38.52	-38.55	3.72	0.41	38.73	174.49
6550.00	0.82	201.55	6548.56	-38.87	-38.90	3.60	0.35	39.07	174.71
6575.00	0.80	194.87	6573.55	-39.21	-39.24	3.49	0.39	39.39	174.92
6600.00	0.77	202.62	6598.55	-39.53	-39.56	3.38	0.44	39.70	175.12
6625.00	0.89	199.77	6623.55	-39.87	-39.90	3.25	0.49	40.03	175.34
6650.00	0.85	200.20	6648.55	-40.23	-40.25	3.12	0.14	40.37	175.57
6675.00	0.80	201.98	6673.54	-40.57	-40.59	2.99	0.24	40.70	175.79
6700.00	0.79	199.54	6698.54	-40.89	-40.92	2.87	0.14	41.02	175.99
6725.00	0.42	210.67	6723.54	-41.13	-41.16	2.76	1.57	41.25	176.16
6750.00	0.14	261.87	6748.54	-41.22	-41.24	2.68	1.39	41.33	176.28
6775.00	0.39	334.78	6773.54	-41.15	-41.17	2.62	1.50	41.25	176.36
6800.00	0.53	351.21	6798.54	-40.95	-40.98	2.56	0.77	41.06	176.42
6825.00	0.54	351.40	6823.54	-40.72	-40.75	2.53	0.02	40.82	176.45
6850.00	0.55	0.05	6848.54	-40.49	-40.51	2.51	0.33	40.59	176.45
6875.00	0.68	357.33	6873.53	-40.22	-40.24	2.50	0.54	40.32	176.44
6900.00	0.51	2.89	6898.53	-39.96	-39.98	2.50	0.71	40.06	176.42
6925.00	0.54	2.96	6923.53	-39.73	-39.75	2.51	0.12	39.83	176.38
6950.00	0.41	2.79	6948.53	-39.52	-39.54	2.52	0.53	39.62	176.35
6975.00	0.51	0.32	6973.53	-39.32	-39.34	2.53	0.42	39.42	176.32
7000.00	0.53	4.16	6998.53	-39.09	-39.11	2.54	0.15	39.20	176.29
7025.00	0.61	7.22	7023.53	-38.85	-38.87	2.56	0.35	38.95	176.23
7050.00	0.57	4.20	7048.53	-38.59	-38.61	2.59	0.22	38.70	176.16
7075.00	0.56	3.59	7073.53	-38.35	-38.37	2.61	0.04	38.46	176.11
7100.00	0.62	6.97	7098.52	-38.09	-38.11	2.63	0.28	38.20	176.05
7125.00	0.69	359.78	7123.52	-37.80	-37.83	2.65	0.44	37.92	176.00
7150.00	0.63	6.01	7148.52	-37.52	-37.54	2.66	0.37	37.63	175.95
7175.00	0.65	358.44	7173.52	-37.24	-37.26	2.67	0.34	37.35	175.90
7200.00	0.56	1.60	7198.52	-36.97	-36.99	2.67	0.36	37.09	175.87
7225.00	0.78	356.80	7223.52	-36.68	-36.70	2.66	0.89	36.80	175.85
7250.00	0.67	359.58	7248.51	-36.36	-36.39	2.65	0.47	36.48	175.83

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	357.32	7273.51	-36.04	-36.06	2.64	0.65	36.16	175.81
7300.00	0.69	357.41	7298.51	-35.71	-35.73	2.63	0.55	35.83	175.79
7325.00	0.70	358.58	7323.51	-35.41	-35.43	2.62	0.07	35.52	175.77
7350.00	0.64	354.46	7348.51	-35.11	-35.13	2.60	0.30	35.23	175.77
7375.00	0.78	350.90	7373.50	-34.81	-34.83	2.56	0.59	34.92	175.80
7400.00	0.74	344.26	7398.50	-34.48	-34.50	2.49	0.40	34.59	175.87
7425.00	0.89	350.85	7423.50	-34.14	-34.16	2.42	0.73	34.24	175.96
7450.00	0.82	354.20	7448.50	-33.77	-33.79	2.37	0.34	33.87	175.99
7475.00	0.89	347.39	7473.49	-33.40	-33.42	2.31	0.49	33.50	176.05
7500.00	0.87	346.69	7498.49	-33.02	-33.04	2.22	0.09	33.12	176.16
7525.00	0.83	344.41	7523.49	-32.67	-32.68	2.13	0.22	32.75	176.28
7550.00	0.98	346.73	7548.49	-32.28	-32.30	2.03	0.63	32.36	176.41
7575.00	0.97	348.04	7573.48	-31.87	-31.89	1.94	0.11	31.95	176.52
7600.00	0.94	345.99	7598.48	-31.47	-31.48	1.84	0.17	31.54	176.65
7625.00	0.87	343.62	7623.47	-31.09	-31.10	1.74	0.33	31.15	176.80
7650.00	0.74	343.56	7648.47	-30.75	-30.76	1.64	0.52	30.81	176.95
7675.00	0.78	334.41	7673.47	-30.44	-30.46	1.52	0.52	30.49	177.14
7700.00	0.97	339.71	7698.47	-30.09	-30.10	1.37	0.83	30.13	177.39
7725.00	0.85	341.81	7723.46	-29.72	-29.73	1.24	0.52	29.75	177.61
7750.00	0.79	337.87	7748.46	-29.38	-29.39	1.12	0.33	29.41	177.82
7775.00	0.72	333.96	7773.46	-29.08	-29.09	0.99	0.34	29.11	178.06
7800.00	0.72	325.76	7798.46	-28.81	-28.82	0.83	0.41	28.83	178.35
7825.00	0.73	336.47	7823.46	-28.54	-28.54	0.68	0.54	28.55	178.64
7850.00	0.73	322.93	7848.45	-28.26	-28.27	0.52	0.69	28.27	178.95
7875.00	0.76	322.50	7873.45	-28.01	-28.01	0.32	0.13	28.01	179.35
7900.00	0.66	312.51	7898.45	-27.78	-27.78	0.11	0.65	27.78	179.77
7925.00	0.77	316.92	7923.45	-27.56	-27.56	-0.11	0.50	27.56	180.22
7950.00	0.68	305.71	7948.45	-27.36	-27.35	-0.34	0.65	27.36	180.72
7975.00	0.72	310.92	7973.44	-27.17	-27.16	-0.58	0.29	27.17	181.23
8000.00	0.65	308.33	7998.44	-26.98	-26.97	-0.81	0.32	26.99	181.72
8025.00	0.67	303.85	8023.44	-26.81	-26.81	-1.04	0.22	26.83	182.23
8050.00	0.70	307.68	8048.44	-26.64	-26.63	-1.28	0.21	26.66	182.76

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
8075.00	0.68	306.50	8073.44	-26.46	-26.45	-1.52	0.09	26.49	183.30
8100.00	0.64	304.99	8098.43	-26.30	-26.28	-1.76	0.17	26.34	183.82
8125.00	0.61	295.83	8123.43	-26.16	-26.14	-1.99	0.41	26.22	184.36
8150.00	0.65	292.43	8148.43	-26.05	-26.03	-2.24	0.21	26.13	184.93
8175.00	0.68	288.35	8173.43	-25.95	-25.93	-2.52	0.21	26.05	185.54
8200.00	0.47	278.18	8198.43	-25.89	-25.87	-2.76	0.91	26.02	186.09
8225.00	0.62	270.45	8223.43	-25.88	-25.85	-3.00	0.65	26.03	186.61
8250.00	0.57	272.35	8248.43	-25.87	-25.85	-3.26	0.21	26.05	187.18
8275.00	0.53	257.08	8273.43	-25.89	-25.87	-3.49	0.61	26.10	187.69
8300.00	0.66	268.07	8298.42	-25.93	-25.90	-3.75	0.70	26.17	188.24
8325.00	0.63	268.70	8323.42	-25.94	-25.91	-4.03	0.14	26.22	188.84
8350.00	0.56	264.72	8348.42	-25.95	-25.92	-4.29	0.29	26.27	189.39
8375.00	0.61	253.84	8373.42	-26.00	-25.97	-4.54	0.47	26.36	189.91
8400.00	0.54	264.37	8398.42	-26.05	-26.02	-4.78	0.50	26.45	190.41
8425.00	0.59	256.17	8423.42	-26.10	-26.06	-5.02	0.38	26.54	190.91
8450.00	0.65	267.13	8448.42	-26.14	-26.10	-5.29	0.54	26.63	191.46
8475.00	0.59	271.59	8473.41	-26.14	-26.10	-5.56	0.31	26.69	192.03
8500.00	0.64	259.82	8498.41	-26.17	-26.12	-5.83	0.54	26.76	192.58
8525.00	0.69	270.74	8523.41	-26.19	-26.14	-6.12	0.54	26.85	193.17
8550.00	0.55	268.88	8548.41	-26.19	-26.15	-6.39	0.53	26.91	193.73
8575.00	0.60	277.54	8573.41	-26.18	-26.13	-6.64	0.40	26.96	194.26
8600.00	0.56	279.90	8598.41	-26.15	-26.09	-6.89	0.18	26.99	194.79
8625.00	0.43	275.68	8623.41	-26.12	-26.06	-7.11	0.54	27.01	195.25
8650.00	0.62	277.47	8648.41	-26.09	-26.03	-7.33	0.73	27.05	195.73
8675.00	0.59	283.38	8673.40	-26.05	-25.99	-7.59	0.27	27.07	196.28
8700.00	0.58	285.71	8698.40	-25.98	-25.92	-7.84	0.10	27.08	196.82
8725.00	0.53	290.80	8723.40	-25.91	-25.85	-8.07	0.28	27.08	197.34
8750.00	0.60	297.82	8748.40	-25.81	-25.74	-8.29	0.38	27.05	197.86
8775.00	0.34	280.63	8773.40	-25.74	-25.67	-8.48	1.16	27.04	198.29
8800.00	0.26	273.50	8798.40	-25.72	-25.65	-8.61	0.38	27.06	198.56
8825.00	0.31	274.26	8823.40	-25.71	-25.64	-8.74	0.22	27.09	198.82
8850.00	0.21	256.04	8848.40	-25.72	-25.65	-8.85	0.52	27.13	199.04

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
8875.00	0.22	269.95	8873.40	-25.73	-25.66	-8.94	0.22	27.18	199.22
8900.00	0.24	249.40	8898.40	-25.75	-25.68	-9.04	0.34	27.23	199.40
8925.00	0.40	249.78	8923.40	-25.80	-25.73	-9.17	0.64	27.31	199.62
8950.00	0.31	224.28	8948.40	-25.88	-25.81	-9.30	0.72	27.43	199.82
8975.00	0.54	225.10	8973.40	-26.01	-25.94	-9.43	0.92	27.60	199.98
9000.00	0.68	212.04	8998.40	-26.22	-26.15	-9.59	0.79	27.85	200.15
9025.00	0.69	209.99	9023.39	-26.48	-26.40	-9.75	0.11	28.14	200.26
9050.00	0.75	214.93	9048.39	-26.74	-26.67	-9.92	0.36	28.45	200.40
9075.00	0.81	205.78	9073.39	-27.04	-26.96	-10.09	0.54	28.78	200.51
9100.00	0.80	215.76	9098.39	-27.34	-27.26	-10.27	0.56	29.13	200.64
9125.00	0.68	209.07	9123.38	-27.61	-27.53	-10.44	0.58	29.44	200.77
9150.00	0.88	212.58	9148.38	-27.90	-27.82	-10.61	0.82	29.78	200.88
9175.00	0.73	221.03	9173.38	-28.19	-28.10	-10.82	0.76	30.11	201.06
9200.00	0.64	233.62	9198.38	-28.39	-28.31	-11.04	0.70	30.38	201.31
9225.00	0.60	231.21	9223.38	-28.56	-28.47	-11.25	0.20	30.61	201.57
9250.00	0.51	233.65	9248.38	-28.71	-28.62	-11.44	0.37	30.82	201.80
9275.00	0.42	243.08	9273.37	-28.81	-28.72	-11.61	0.47	30.98	202.01
9300.00	0.42	243.48	9298.37	-28.90	-28.81	-11.78	0.03	31.12	202.24
9325.00	0.27	259.90	9323.37	-28.95	-28.86	-11.92	0.73	31.22	202.44
9350.00	0.32	260.79	9348.37	-28.97	-28.88	-12.05	0.20	31.29	202.64
9375.00	0.35	272.80	9373.37	-28.98	-28.89	-12.19	0.30	31.35	202.88
9400.00	0.38	280.52	9398.37	-28.96	-28.87	-12.35	0.22	31.40	203.16
9425.00	0.25	269.38	9423.37	-28.95	-28.85	-12.48	0.54	31.44	203.39
9450.00	0.42	282.32	9448.37	-28.93	-28.84	-12.63	0.73	31.48	203.65
9475.00	0.42	274.83	9473.37	-28.91	-28.81	-12.81	0.22	31.53	203.97
9500.00	0.39	290.15	9498.37	-28.87	-28.77	-12.98	0.45	31.56	204.28
9525.00	0.51	289.87	9523.37	-28.81	-28.70	-13.17	0.46	31.58	204.64
9550.00	0.55	310.30	9548.37	-28.69	-28.59	-13.36	0.77	31.56	205.05
9575.00	0.48	314.43	9573.37	-28.54	-28.44	-13.53	0.32	31.49	205.44
9600.00	0.52	312.09	9598.37	-28.40	-28.29	-13.68	0.17	31.43	205.81
9625.00	0.55	317.39	9623.37	-28.23	-28.13	-13.85	0.25	31.35	206.22
9650.00	0.60	327.02	9648.36	-28.04	-27.93	-14.00	0.43	31.24	206.63

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	0.70	332.15	9673.36	-27.79	-27.68	-14.15	0.46	31.09	207.07
9700.00	0.65	335.09	9698.36	-27.53	-27.42	-14.28	0.25	30.91	207.50
9725.00	0.70	332.28	9723.36	-27.27	-27.16	-14.41	0.27	30.74	207.95
9750.00	0.86	336.27	9748.36	-26.96	-26.85	-14.55	0.65	30.54	208.46
9775.00	0.84	349.08	9773.35	-26.61	-26.50	-14.66	0.76	30.28	208.96
9800.00	0.82	349.09	9798.35	-26.26	-26.14	-14.73	0.07	30.01	209.40
9825.00	0.81	351.55	9823.35	-25.91	-25.79	-14.79	0.14	29.73	209.84
9850.00	0.83	350.18	9848.35	-25.55	-25.44	-14.85	0.12	29.45	210.28
9875.00	0.84	348.83	9873.34	-25.19	-25.08	-14.92	0.08	29.18	210.74
9900.00	0.87	351.80	9898.34	-24.83	-24.71	-14.98	0.22	28.89	211.22
9925.00	0.83	349.73	9923.34	-24.46	-24.34	-15.04	0.21	28.61	211.70
9950.00	0.81	348.44	9948.34	-24.11	-23.99	-15.10	0.10	28.35	212.19
9975.00	0.89	349.63	9973.33	-23.75	-23.63	-15.17	0.32	28.08	212.71
10000.00	0.88	349.75	9998.33	-23.37	-23.25	-15.24	0.04	27.80	213.25
10025.00	0.89	352.21	10023.33	-22.99	-22.87	-15.30	0.16	27.52	213.79
10050.00	0.86	350.00	10048.32	-22.61	-22.49	-15.36	0.17	27.24	214.34
10075.00	0.95	354.40	10073.32	-22.22	-22.10	-15.42	0.45	26.95	214.90
10100.00	0.79	354.15	10098.32	-21.84	-21.72	-15.45	0.63	26.66	215.43
10125.00	0.79	354.59	10123.32	-21.50	-21.38	-15.49	0.03	26.40	215.92
10150.00	0.62	359.44	10148.31	-21.19	-21.07	-15.51	0.70	26.16	216.35
10175.00	0.43	0.17	10173.31	-20.96	-20.84	-15.51	0.78	25.98	216.65
10200.00	0.21	5.93	10198.31	-20.82	-20.70	-15.50	0.89	25.86	216.83
10225.00	0.06	137.74	10223.31	-20.79	-20.67	-15.49	1.02	25.83	216.85
10250.00	0.38	175.38	10248.31	-20.88	-20.76	-15.47	1.32	25.89	216.70
10275.00	0.55	172.15	10273.31	-21.08	-20.96	-15.45	0.69	26.04	216.39
10300.00	0.65	175.18	10298.31	-21.34	-21.22	-15.42	0.41	26.23	216.01
10325.00	0.77	176.75	10323.31	-21.65	-21.53	-15.40	0.49	26.47	215.58
10350.00	0.82	174.26	10348.31	-21.99	-21.87	-15.37	0.24	26.73	215.10
10375.00	1.03	177.79	10373.30	-22.39	-22.27	-15.35	0.87	27.05	214.57
10400.00	1.05	178.67	10398.30	-22.85	-22.73	-15.33	0.11	27.41	214.00
10425.00	1.32	184.30	10423.29	-23.36	-23.24	-15.35	1.17	27.85	213.44
10450.00	1.68	179.61	10448.28	-24.01	-23.89	-15.37	1.50	28.41	212.75

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	2.03	180.63	10473.27	-24.82	-24.70	-15.37	1.44	29.09	211.89
10500.00	2.54	181.95	10498.25	-25.82	-25.70	-15.39	2.03	29.96	210.92
10525.00	2.63	182.25	10523.23	-26.95	-26.83	-15.43	0.35	30.95	209.91
10550.00	2.93	186.02	10548.20	-28.16	-28.03	-15.52	1.41	32.05	208.98
10575.00	3.06	186.41	10573.16	-29.45	-29.33	-15.67	0.52	33.25	208.11
10600.00	3.14	187.32	10598.13	-30.80	-30.67	-15.83	0.40	34.52	207.29
10625.00	3.32	188.21	10623.09	-32.19	-32.07	-16.02	0.72	35.85	206.54
10650.00	3.26	189.49	10648.04	-33.61	-33.48	-16.24	0.38	37.21	205.87
10675.00	3.35	187.51	10673.00	-35.04	-34.91	-16.45	0.60	38.59	205.23
10700.00	3.40	188.20	10697.96	-36.50	-36.37	-16.65	0.25	40.00	204.60
10725.00	3.41	188.21	10722.92	-37.97	-37.84	-16.86	0.04	41.43	204.02
10750.00	3.37	187.91	10747.87	-39.44	-39.30	-17.07	0.19	42.85	203.48
10775.00	3.34	187.34	10772.83	-40.89	-40.75	-17.26	0.18	44.26	202.96
10800.00	3.29	188.63	10797.79	-42.32	-42.18	-17.47	0.34	45.66	202.49
10825.00	3.30	188.11	10822.75	-43.74	-43.61	-17.68	0.12	47.05	202.06
10850.00	3.37	188.27	10847.70	-45.18	-45.05	-17.88	0.25	48.46	201.65
10875.00	3.41	187.72	10872.66	-46.65	-46.51	-18.09	0.24	49.90	201.25
10900.00	3.41	188.21	10897.62	-48.12	-47.98	-18.29	0.12	51.35	200.87
10925.00	3.39	186.13	10922.57	-49.60	-49.45	-18.48	0.50	52.79	200.49
10950.00	3.36	186.24	10947.53	-51.06	-50.92	-18.64	0.14	54.22	200.10
10975.00	3.38	184.81	10972.48	-52.52	-52.38	-18.78	0.35	55.64	199.72
11000.00	3.49	184.78	10997.44	-54.02	-53.87	-18.90	0.41	57.09	199.34
11025.00	3.53	185.21	11022.39	-55.54	-55.39	-19.04	0.19	58.57	198.97
11050.00	3.60	185.20	11047.34	-57.09	-56.94	-19.18	0.29	60.08	198.61
11075.00	3.47	187.79	11072.30	-58.62	-58.47	-19.35	0.81	61.59	198.31
11100.00	3.40	191.28	11097.25	-60.10	-59.95	-19.60	0.89	63.07	198.10
11125.00	3.38	202.09	11122.21	-61.51	-61.36	-20.02	2.55	64.54	198.07
11150.00	3.45	216.72	11147.16	-62.81	-62.65	-20.75	3.49	65.99	198.33
11175.00	3.86	232.62	11172.11	-63.93	-63.76	-21.87	4.35	67.41	198.93
11200.00	4.43	241.98	11197.05	-64.91	-64.72	-23.39	3.54	68.82	199.87
11225.00	4.83	247.16	11221.97	-65.78	-65.59	-25.21	2.31	70.27	201.03
11250.00	5.26	252.10	11246.87	-66.56	-66.35	-27.27	2.45	71.73	202.34

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	5.70	255.91	11271.76	-67.23	-67.00	-29.57	2.28	73.24	203.81
11300.00	6.11	259.75	11296.62	-67.79	-67.54	-32.08	2.29	74.77	205.41
11325.00	6.69	264.63	11321.47	-68.19	-67.91	-34.84	3.17	76.33	207.16
11350.00	7.22	268.20	11346.28	-68.40	-68.10	-37.86	2.75	77.92	209.07
11375.00	7.57	270.27	11371.08	-68.46	-68.14	-41.08	1.74	79.57	211.08
11400.00	7.90	272.26	11395.85	-68.41	-68.07	-44.44	1.70	81.29	213.14
11425.00	7.89	274.11	11420.61	-68.25	-67.88	-47.87	1.01	83.06	215.19
11450.00	7.83	275.89	11445.38	-67.98	-67.58	-51.27	1.00	84.83	217.19
11475.00	7.70	274.87	11470.15	-67.69	-67.26	-54.64	0.77	86.66	219.09
11500.00	7.66	272.90	11494.92	-67.49	-67.03	-57.97	1.06	88.62	220.85
11525.00	7.48	273.17	11519.71	-67.34	-66.86	-61.26	0.75	90.68	222.50
11550.00	7.32	273.12	11544.50	-67.19	-66.68	-64.47	0.63	92.75	224.03
11575.00	7.27	272.81	11569.30	-67.05	-66.52	-67.64	0.25	94.87	225.48
11600.00	7.13	271.92	11594.10	-66.94	-66.39	-70.77	0.73	97.04	226.83
11625.00	6.99	271.16	11618.91	-66.88	-66.31	-73.85	0.68	99.25	228.08
11650.00	6.84	270.02	11643.73	-66.88	-66.28	-76.86	0.80	101.49	229.23
11675.00	6.70	267.69	11668.55	-66.96	-66.33	-79.80	1.24	103.77	230.27
11688.00	6.60	268.36	11681.46	-67.02	-66.39	-81.31	0.98	104.97	230.77