

COG

FEZ FEDERAL COM #601H

MCVAY #8

2/6/2019

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

JAKE ELGER

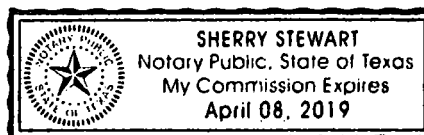
Notarized this date 05 of MARCH, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



Scientific Drilling

The ~~Wellbore~~ ~~Drilling~~ In Wellbore Placement

SURVEY REPORT

FEZ FEDERAL COM #601H

DEFINITIVE KEEPER GYRO SURVEY

CUSTOMER
PROJECT
FIELD

COG
Fez Federal Com #601H
Fez Federal Com #601H

SDI JOB NO.
SDI DISTRICT
SDI KIT/UNIT

OP.016279
Midland

SITE INFORMATION

Site Name Fez Federal Com #601H
Lat/Long 32.1382806° N, 103.3749034° W
Northing 415,342.2 ft
Easting 795,972.5 ft

Section
Township
Range

MAP INFORMATION

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

**WELL INFORMATION**

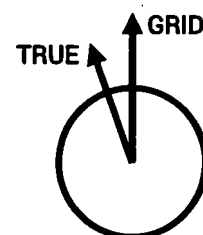
Lat/Long 32.1382803° N, 103.3749034° W
Northing 415,348.3 ft
Easting 796,667.5 ft
UWI 30-025-45274

DEPTH AND ELEVATION REFERENCE

Ground Level 3243.9 ft above Mean Sea
Level
Reference Datum KB
Reference Height 26 ft above G.L.
Reference Elevation 3269.9 ft

VERTICAL SECTION REFERENCE

+N/-S 0 ft
+E/-W 0 ft
Proposal Direction 2.29°
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 ran in 4 1/2 IF Drill Pipe to 11,523'

OPERATORS

C. Booher

SDI Operator Name (Printed)

SIGNATURE

DATE

SURVEY REPORT

FEZ FEDERAL COM #601H

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	0.00	0.00
100.00	0.67	139.26	100.00	-0.43	-0.44	0.38	0.67	0.59	139.26
125.00	0.71	146.62	125.00	-0.66	-0.68	0.56	0.38	0.89	140.54
150.00	0.87	142.83	149.99	-0.93	-0.96	0.76	0.67	1.23	141.65
175.00	0.89	152.04	174.99	-1.25	-1.29	0.97	0.57	1.61	143.04
200.00	0.88	154.98	199.99	-1.58	-1.63	1.14	0.18	1.99	145.06
225.00	0.94	152.32	224.98	-1.93	-1.99	1.32	0.30	2.38	146.48
250.00	0.88	156.28	249.98	-2.28	-2.35	1.49	0.36	2.78	147.59
275.00	0.95	151.53	274.98	-2.64	-2.70	1.67	0.40	3.18	148.37
300.00	0.94	152.81	299.97	-2.99	-3.07	1.86	0.08	3.59	148.81
325.00	0.81	155.77	324.97	-3.33	-3.41	2.02	0.58	3.97	149.32
350.00	0.64	156.59	349.97	-3.61	-3.70	2.15	0.68	4.28	149.82
375.00	0.75	162.50	374.97	-3.89	-3.98	2.26	0.54	4.58	150.48
400.00	0.51	161.55	399.97	-4.15	-4.25	2.34	0.97	4.85	151.13
425.00	0.52	179.08	424.97	-4.37	-4.47	2.38	0.63	5.06	151.97
450.00	0.45	189.74	449.96	-4.58	-4.68	2.36	0.46	5.24	153.19
475.00	0.45	218.61	474.96	-4.76	-4.85	2.28	0.90	5.36	154.78
500.00	0.60	232.53	499.96	-4.92	-5.01	2.12	0.79	5.44	157.07
525.00	0.67	236.63	524.96	-5.09	-5.17	1.89	0.31	5.50	159.89
550.00	0.50	242.81	549.96	-5.23	-5.30	1.67	0.71	5.56	162.47
575.00	0.55	244.46	574.96	-5.34	-5.40	1.47	0.21	5.60	164.80
600.00	0.50	236.57	599.96	-5.46	-5.51	1.27	0.36	5.66	167.04
625.00	0.48	235.21	624.96	-5.58	-5.63	1.09	0.08	5.74	169.03
650.00	0.38	247.89	649.96	-5.68	-5.72	0.93	0.54	5.80	170.79
675.00	0.30	241.77	674.96	-5.75	-5.79	0.79	0.37	5.84	172.20
700.00	0.24	245.23	699.96	-5.81	-5.84	0.69	0.23	5.88	173.29
725.00	0.22	251.65	724.96	-5.85	-5.88	0.59	0.15	5.91	174.23
750.00	0.15	246.54	749.96	-5.88	-5.90	0.52	0.26	5.93	174.98
775.00	0.08	308.65	774.96	-5.88	-5.91	0.47	0.54	5.93	175.41
800.00	0.05	81.67	799.96	-5.87	-5.89	0.47	0.48	5.91	175.43
825.00	0.08	70.86	824.96	-5.86	-5.89	0.50	0.14	5.91	175.16
850.00	0.07	61.22	849.95	-5.85	-5.87	0.53	0.07	5.90	174.85

SURVEY REPORT

FEZ FEDERAL COM #601H

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
875.00	0.15	26.73	874.95	-5.81	-5.84	0.56	0.41	5.86	174.54
900.00	0.11	55.42	899.95	-5.76	-5.79	0.59	0.31	5.82	174.16
925.00	0.07	47.37	924.95	-5.74	-5.77	0.62	0.15	5.80	173.83
950.00	0.12	35.60	949.95	-5.70	-5.74	0.65	0.22	5.77	173.53
975.00	0.05	10.91	974.95	-5.67	-5.70	0.67	0.34	5.74	173.32
1000.00	0.04	111.62	999.95	-5.67	-5.70	0.68	0.26	5.74	173.21
1025.00	0.08	174.27	1024.95	-5.68	-5.72	0.69	0.27	5.76	173.14
1050.00	0.09	174.93	1049.95	-5.72	-5.75	0.69	0.07	5.79	173.15
1075.00	0.21	181.56	1074.95	-5.79	-5.82	0.69	0.47	5.86	173.22
1100.00	0.26	184.47	1099.95	-5.89	-5.92	0.69	0.21	5.96	173.39
1125.00	0.11	215.30	1124.95	-5.97	-6.00	0.67	0.70	6.04	173.65
1150.00	0.15	181.54	1149.95	-6.02	-6.05	0.65	0.34	6.09	173.85
1175.00	0.12	194.53	1174.95	-6.08	-6.11	0.65	0.18	6.14	173.97
1200.00	0.08	217.61	1199.95	-6.12	-6.15	0.63	0.20	6.18	174.17
1225.00	0.23	176.24	1224.95	-6.18	-6.21	0.62	0.71	6.24	174.30
1250.00	0.11	173.14	1249.95	-6.26	-6.29	0.63	0.48	6.32	174.31
1275.00	0.13	169.85	1274.95	-6.31	-6.34	0.63	0.09	6.37	174.29
1300.00	0.16	181.66	1299.95	-6.37	-6.40	0.64	0.17	6.44	174.31
1325.00	0.10	184.66	1324.95	-6.43	-6.46	0.64	0.25	6.49	174.38
1350.00	0.10	161.37	1349.95	-6.47	-6.50	0.64	0.16	6.54	174.38
1375.00	0.09	152.06	1374.95	-6.51	-6.54	0.66	0.06	6.57	174.27
1400.00	0.04	114.12	1399.95	-6.53	-6.56	0.67	0.26	6.60	174.14
1425.00	0.07	89.87	1424.95	-6.53	-6.57	0.70	0.14	6.60	173.95
1450.00	0.13	156.42	1449.95	-6.56	-6.59	0.72	0.49	6.63	173.75
1475.00	0.10	218.45	1474.95	-6.60	-6.64	0.72	0.49	6.68	173.80
1500.00	0.03	205.52	1499.95	-6.63	-6.66	0.70	0.26	6.70	173.96
1525.00	0.08	112.31	1524.95	-6.64	-6.67	0.72	0.33	6.71	173.87
1550.00	0.09	145.00	1549.95	-6.66	-6.69	0.74	0.20	6.74	173.67
1575.00	0.07	182.64	1574.95	-6.69	-6.73	0.75	0.23	6.77	173.60
1600.00	0.06	163.20	1599.95	-6.72	-6.75	0.76	0.09	6.80	173.60
1625.00	0.07	129.60	1624.95	-6.74	-6.77	0.77	0.15	6.82	173.50
1650.00	0.08	144.40	1649.95	-6.76	-6.80	0.79	0.09	6.84	173.34

SURVEY REPORT

FEZ FEDERAL COM #601H

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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	0.12	152.74	1674.95	-6.80	-6.83	0.82	0.16	6.88	173.20
1700.00	0.09	179.98	1699.95	-6.84	-6.88	0.83	0.22	6.93	173.14
1725.00	0.10	132.04	1724.95	-6.87	-6.91	0.84	0.31	6.96	173.04
1750.00	0.12	151.30	1749.95	-6.91	-6.95	0.87	0.16	7.00	172.84
1775.00	0.16	125.96	1774.95	-6.95	-6.99	0.91	0.31	7.05	172.56
1800.00	0.10	145.14	1799.95	-6.99	-7.03	0.96	0.30	7.09	172.26
1825.00	0.08	127.87	1824.95	-7.01	-7.06	0.98	0.15	7.13	172.08
1850.00	0.12	117.42	1849.95	-7.03	-7.08	1.02	0.17	7.15	171.82
1875.00	0.06	95.68	1874.95	-7.05	-7.09	1.05	0.25	7.17	171.56
1900.00	0.05	126.17	1899.95	-7.05	-7.10	1.07	0.13	7.18	171.39
1925.00	0.12	102.24	1924.95	-7.06	-7.11	1.11	0.30	7.20	171.15
1950.00	0.28	112.96	1949.95	-7.09	-7.14	1.19	0.68	7.24	170.54
1975.00	0.57	113.29	1974.95	-7.16	-7.22	1.36	1.16	7.34	169.32
2000.00	1.07	112.08	1999.95	-7.28	-7.35	1.69	1.98	7.54	167.05
2025.00	1.37	115.86	2024.94	-7.48	-7.57	2.18	1.27	7.88	163.96
2050.00	1.62	115.68	2049.94	-7.74	-7.85	2.77	1.01	8.33	160.61
2075.00	1.74	109.75	2074.92	-7.99	-8.14	3.44	0.85	8.84	157.07
2100.00	1.77	116.02	2099.91	-8.26	-8.43	4.15	0.77	9.40	153.82
2125.00	1.70	113.62	2124.90	-8.55	-8.75	4.83	0.39	10.00	151.09
2150.00	1.74	113.22	2149.89	-8.82	-9.05	5.52	0.15	10.60	148.61
2175.00	1.67	112.04	2174.88	-9.08	-9.34	6.21	0.32	11.21	146.38
2200.00	1.59	112.37	2199.87	-9.32	-9.60	6.87	0.31	11.81	144.44
2225.00	1.54	109.32	2224.86	-9.54	-9.85	7.50	0.39	12.38	142.70
2250.00	1.42	110.09	2249.85	-9.73	-10.07	8.11	0.47	12.93	141.14
2275.00	1.62	107.63	2274.84	-9.92	-10.28	8.74	0.83	13.49	139.63
2300.00	1.46	105.52	2299.83	-10.09	-10.47	9.38	0.68	14.06	138.14
2325.00	1.44	106.87	2324.83	-10.24	-10.65	9.99	0.16	14.60	136.82
2350.00	1.47	103.48	2349.82	-10.38	-10.81	10.60	0.36	15.14	135.57
2375.00	1.61	106.17	2374.81	-10.53	-10.99	11.25	0.64	15.72	134.32
2400.00	1.39	103.04	2399.80	-10.67	-11.15	11.88	0.94	16.30	133.18
2425.00	1.47	104.42	2424.79	-10.79	-11.30	12.49	0.35	16.84	132.14
2450.00	1.52	103.71	2449.78	-10.93	-11.46	13.12	0.21	17.42	131.13

SURVEY REPORT

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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	1.50	102.95	2474.77	-11.05	-11.61	13.76	0.13	18.01	130.15
2500.00	1.50	102.33	2499.77	-11.17	-11.75	14.40	0.07	18.59	129.22
2525.00	1.47	101.39	2524.76	-11.28	-11.89	15.04	0.16	19.17	128.33
2550.00	1.45	100.40	2549.75	-11.37	-12.01	15.66	0.13	19.73	127.48
2575.00	1.56	101.38	2574.74	-11.47	-12.13	16.31	0.45	20.32	126.65
2600.00	1.61	101.39	2599.73	-11.58	-12.27	16.98	0.19	20.95	125.84
2625.00	1.54	99.90	2624.72	-11.68	-12.40	17.66	0.31	21.57	125.07
2650.00	1.50	97.57	2649.71	-11.75	-12.50	18.31	0.30	22.17	124.31
2675.00	1.36	94.39	2674.71	-11.80	-12.56	18.93	0.64	22.72	123.56
2700.00	1.42	95.78	2699.70	-11.83	-12.62	19.54	0.27	23.26	122.85
2725.00	1.44	94.16	2724.69	-11.85	-12.67	20.16	0.19	23.81	122.15
2750.00	1.40	93.20	2749.68	-11.87	-12.71	20.78	0.19	24.36	121.45
2775.00	1.39	94.79	2774.68	-11.89	-12.75	21.39	0.16	24.90	120.81
2800.00	1.33	93.02	2799.67	-11.90	-12.79	21.98	0.31	25.43	120.20
2825.00	1.34	91.49	2824.66	-11.90	-12.82	22.56	0.15	25.94	119.60
2850.00	1.17	89.12	2849.66	-11.89	-12.82	23.10	0.71	26.42	119.02
2875.00	1.36	84.12	2874.65	-11.83	-12.79	23.65	0.89	26.89	118.39
2900.00	1.14	77.13	2899.64	-11.72	-12.70	24.19	1.06	27.32	117.70
2925.00	1.17	75.12	2924.64	-11.58	-12.58	24.68	0.19	27.70	117.01
2950.00	1.29	74.25	2949.63	-11.42	-12.44	25.20	0.50	28.10	116.27
2975.00	1.24	69.47	2974.63	-11.23	-12.27	25.72	0.46	28.50	115.49
3000.00	1.20	68.18	2999.62	-11.02	-12.07	26.22	0.21	28.86	114.72
3025.00	1.24	70.65	3024.62	-10.81	-11.89	26.72	0.26	29.24	113.99
3050.00	1.14	65.24	3049.61	-10.60	-11.69	27.20	0.58	29.60	113.26
3075.00	1.29	67.28	3074.60	-10.36	-11.48	27.68	0.61	29.97	112.52
3100.00	1.46	70.87	3099.60	-10.13	-11.27	28.24	0.78	30.41	111.75
3125.00	1.67	77.20	3124.59	-9.92	-11.08	28.90	1.07	30.95	110.98
3150.00	1.85	73.99	3149.58	-9.70	-10.89	29.64	0.83	31.58	110.17
3175.00	1.93	76.91	3174.56	-9.46	-10.68	30.44	0.49	32.26	109.33
3200.00	1.72	74.74	3199.55	-9.23	-10.49	31.22	0.88	32.93	108.57
3225.00	1.88	74.88	3224.54	-9.00	-10.28	31.97	0.62	33.59	107.83
3250.00	1.91	76.23	3249.52	-8.76	-10.08	32.77	0.23	34.29	107.09

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
3275.00	1.91	76.69	3274.51	-8.53	-9.88	33.58	0.06	35.01	106.39
3300.00	1.97	84.80	3299.50	-8.36	-9.75	34.42	1.12	35.77	105.81
3325.00	2.04	93.48	3324.48	-8.32	-9.73	35.29	1.25	36.61	105.42
3350.00	2.06	95.26	3349.46	-8.35	-9.80	36.18	0.26	37.49	105.16
3375.00	2.01	93.49	3374.45	-8.38	-9.87	37.07	0.31	38.36	104.91
3400.00	1.98	95.90	3399.43	-8.42	-9.94	37.93	0.36	39.22	104.68
3425.00	2.04	91.68	3424.42	-8.44	-10.00	38.81	0.64	40.08	104.45
3450.00	1.83	87.91	3449.40	-8.40	-10.00	39.65	1.00	40.89	104.15
3475.00	1.76	87.16	3474.39	-8.34	-9.96	40.43	0.29	41.64	103.84
3500.00	1.62	84.17	3499.38	-8.26	-9.91	41.17	0.66	42.34	103.53
3525.00	1.62	83.56	3524.37	-8.15	-9.83	41.87	0.07	43.01	103.22
3550.00	1.58	82.23	3549.36	-8.04	-9.75	42.56	0.22	43.66	102.90
3575.00	1.64	82.57	3574.35	-7.92	-9.65	43.26	0.25	44.32	102.58
3600.00	1.52	81.44	3599.34	-7.80	-9.56	43.94	0.50	44.96	102.27
3625.00	1.40	81.81	3624.33	-7.68	-9.47	44.57	0.47	45.56	101.99
3650.00	1.34	82.53	3649.33	-7.57	-9.38	45.16	0.26	46.12	101.74
3675.00	1.30	79.16	3674.32	-7.46	-9.29	45.72	0.34	46.66	101.49
3700.00	1.14	77.70	3699.31	-7.33	-9.19	46.25	0.66	47.15	101.24
3725.00	0.99	78.80	3724.31	-7.22	-9.09	46.70	0.62	47.58	101.02
3750.00	1.03	77.81	3749.31	-7.11	-9.00	47.13	0.19	47.98	100.81
3775.00	0.99	77.06	3774.30	-7.00	-8.91	47.56	0.16	48.39	100.61
3800.00	1.12	78.74	3799.30	-6.89	-8.81	48.01	0.50	48.82	100.40
3825.00	1.04	80.50	3824.29	-6.78	-8.73	48.48	0.32	49.26	100.20
3850.00	1.02	99.12	3849.29	-6.76	-8.72	48.92	1.34	49.69	100.11
3875.00	1.37	115.58	3874.28	-6.91	-8.89	49.41	1.96	50.21	100.20
3900.00	1.70	124.14	3899.27	-7.22	-9.23	49.99	1.60	50.83	100.46
3925.00	1.64	127.67	3924.26	-7.62	-9.65	50.58	0.49	51.49	100.80
3950.00	1.76	127.21	3949.25	-8.05	-10.10	51.17	0.50	52.15	101.17
3975.00	1.81	127.01	3974.24	-8.49	-10.57	51.79	0.20	52.86	101.54
4000.00	1.84	128.21	3999.23	-8.95	-11.06	52.42	0.19	53.57	101.91
4025.00	1.70	125.98	4024.22	-9.39	-11.52	53.03	0.60	54.27	102.26
4050.00	1.60	122.08	4049.21	-9.77	-11.93	53.63	0.63	54.94	102.54

SURVEY REPORT

FEZ FEDERAL COM #601H

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
4075.00	1.31	117.37	4074.20	-10.07	-12.24	54.18	1.23	55.54	102.73
4100.00	1.39	117.70	4099.19	-10.32	-12.52	54.70	0.32	56.12	102.89
4125.00	1.47	115.09	4124.18	-10.57	-12.79	55.26	0.39	56.72	103.03
4150.00	1.59	114.11	4149.17	-10.83	-13.07	55.87	0.50	57.38	103.17
4175.00	1.66	105.44	4174.16	-11.04	-13.31	56.53	1.03	58.08	103.25
4200.00	1.91	104.38	4199.15	-11.21	-13.51	57.29	0.99	58.86	103.27
4225.00	2.05	103.08	4224.14	-11.38	-13.71	58.12	0.60	59.72	103.27
4250.00	2.66	106.40	4249.12	-11.60	-13.98	59.12	2.50	60.75	103.30
4275.00	2.74	100.09	4274.09	-11.83	-14.25	60.26	1.23	61.92	103.30
4300.00	3.08	97.54	4299.06	-11.97	-14.44	61.52	1.46	63.19	103.21
4325.00	3.32	97.49	4324.02	-12.10	-14.62	62.90	0.94	64.58	103.09
4350.00	3.40	97.46	4348.97	-12.23	-14.81	64.36	0.31	66.04	102.96
4375.00	3.26	99.47	4373.93	-12.39	-15.03	65.79	0.72	67.49	102.87
4400.00	3.32	98.25	4398.89	-12.55	-15.25	67.21	0.37	68.92	102.78
4425.00	3.48	98.00	4423.85	-12.70	-15.46	68.68	0.65	70.39	102.68
4450.00	3.40	97.67	4448.80	-12.84	-15.66	70.16	0.34	71.89	102.58
4475.00	3.33	97.99	4473.76	-12.99	-15.86	71.62	0.29	73.35	102.49
4500.00	3.29	98.74	4498.72	-13.14	-16.07	73.04	0.24	74.79	102.41
4525.00	3.12	98.91	4523.68	-13.30	-16.28	74.42	0.67	76.18	102.34
4550.00	2.96	98.40	4548.64	-13.44	-16.48	75.73	0.63	77.51	102.28
4575.00	2.84	98.31	4573.61	-13.58	-16.67	76.99	0.47	78.77	102.22
4600.00	2.88	96.62	4598.58	-13.69	-16.83	78.22	0.37	80.01	102.14
4625.00	2.76	98.83	4623.55	-13.81	-17.00	79.44	0.66	81.24	102.08
4650.00	2.67	97.52	4648.52	-13.93	-17.16	80.61	0.43	82.42	102.02
4675.00	2.41	99.40	4673.50	-14.05	-17.33	81.71	1.10	83.53	101.97
4700.00	2.27	100.91	4698.48	-14.19	-17.51	82.71	0.60	84.55	101.95
4725.00	2.14	102.27	4723.46	-14.34	-17.70	83.66	0.56	85.51	101.95
4750.00	1.99	104.61	4748.44	-14.51	-17.91	84.53	0.68	86.41	101.96
4775.00	1.78	105.50	4773.43	-14.70	-18.12	85.33	0.88	87.23	101.99
4800.00	1.90	105.57	4798.41	-14.88	-18.34	86.10	0.50	88.03	102.02
4825.00	1.94	105.56	4823.40	-15.07	-18.56	86.91	0.15	88.87	102.05
4850.00	1.98	105.27	4848.39	-15.27	-18.79	87.73	0.18	89.72	102.09

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
4875.00	1.90	104.72	4873.37	-15.45	-19.01	88.55	0.35	90.57	102.11
4900.00	2.11	102.05	4898.36	-15.62	-19.21	89.40	0.95	91.44	102.13
4925.00	2.29	99.70	4923.34	-15.76	-19.39	90.34	0.78	92.40	102.11
4950.00	2.33	97.92	4948.32	-15.88	-19.54	91.34	0.34	93.40	102.08
4975.00	2.41	98.49	4973.30	-15.98	-19.69	92.36	0.32	94.44	102.03
5000.00	2.39	96.78	4998.27	-16.08	-19.83	93.40	0.30	95.48	101.99
5025.00	2.24	95.62	5023.25	-16.15	-19.94	94.40	0.60	96.48	101.93
5050.00	2.18	96.74	5048.23	-16.22	-20.04	95.36	0.30	97.45	101.87
5075.00	2.10	98.08	5073.22	-16.30	-20.16	96.29	0.37	98.38	101.83
5100.00	1.93	97.46	5098.20	-16.38	-20.28	97.16	0.71	99.26	101.79
5125.00	1.83	97.46	5123.19	-16.46	-20.39	97.97	0.40	100.07	101.76
5150.00	1.74	96.82	5148.18	-16.52	-20.49	98.75	0.38	100.85	101.72
5175.00	1.70	99.08	5173.16	-16.60	-20.59	99.49	0.31	101.60	101.69
5200.00	1.68	96.88	5198.15	-16.67	-20.69	100.22	0.28	102.33	101.67
5225.00	1.54	95.61	5223.14	-16.72	-20.77	100.91	0.58	103.03	101.63
5250.00	1.36	97.77	5248.14	-16.77	-20.84	101.54	0.72	103.66	101.60
5275.00	1.33	98.00	5273.13	-16.82	-20.92	102.12	0.14	104.25	101.58
5300.00	1.32	96.96	5298.12	-16.88	-21.00	102.70	0.10	104.82	101.55
5325.00	1.19	100.05	5323.12	-16.93	-21.08	103.24	0.58	105.37	101.54
5350.00	1.05	94.42	5348.11	-16.98	-21.14	103.72	0.70	105.86	101.52
5375.00	0.99	95.42	5373.11	-17.00	-21.18	104.17	0.26	106.30	101.49
5400.00	0.90	99.59	5398.10	-17.04	-21.23	104.58	0.44	106.71	101.48
5425.00	0.98	90.69	5423.10	-17.05	-21.27	104.99	0.65	107.12	101.45
5450.00	0.82	96.24	5448.10	-17.06	-21.29	105.38	0.71	107.51	101.42
5475.00	0.88	97.19	5473.10	-17.09	-21.33	105.75	0.24	107.88	101.41
5500.00	0.72	101.20	5498.09	-17.13	-21.39	106.09	0.67	108.23	101.40
5525.00	0.79	98.13	5523.09	-17.17	-21.44	106.42	0.32	108.56	101.39
5550.00	0.80	94.94	5548.09	-17.20	-21.48	106.76	0.18	108.90	101.38
5575.00	0.67	85.82	5573.09	-17.19	-21.49	107.08	0.70	109.22	101.35
5600.00	0.70	92.57	5598.08	-17.17	-21.48	107.38	0.34	109.51	101.31
5625.00	0.77	93.90	5623.08	-17.18	-21.50	107.70	0.29	109.83	101.29
5650.00	0.87	114.92	5648.08	-17.26	-21.59	108.04	1.25	110.18	101.30

SURVEY REPORT

FEZ FEDERAL COM #601H

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
5675.00	1.33	130.54	5673.08	-17.51	-21.86	108.43	2.20	110.61	101.40
5700.00	1.40	135.65	5698.07	-17.90	-22.27	108.87	0.56	111.12	101.56
5725.00	1.32	135.73	5723.06	-18.31	-22.69	109.28	0.32	111.61	101.73
5750.00	1.42	135.21	5748.05	-18.72	-23.12	109.70	0.40	112.11	101.90
5775.00	1.43	137.88	5773.05	-19.15	-23.57	110.13	0.27	112.62	102.08
5800.00	1.46	135.28	5798.04	-19.59	-24.03	110.56	0.30	113.14	102.26
5825.00	1.46	135.65	5823.03	-20.03	-24.48	111.01	0.05	113.68	102.44
5850.00	1.38	134.74	5848.02	-20.45	-24.92	111.44	0.31	114.20	102.60
5875.00	1.31	135.84	5873.02	-20.85	-25.34	111.86	0.31	114.69	102.76
5900.00	1.47	133.93	5898.01	-21.26	-25.77	112.29	0.69	115.21	102.92
5925.00	1.36	134.41	5923.00	-21.67	-26.20	112.73	0.46	115.73	103.08
5950.00	1.25	133.56	5947.99	-22.05	-26.59	113.14	0.44	116.22	103.23
5975.00	1.24	131.02	5972.99	-22.40	-26.96	113.54	0.22	116.70	103.36
6000.00	1.23	129.39	5997.98	-22.73	-27.31	113.95	0.15	117.18	103.47
6025.00	1.23	130.60	6022.98	-23.06	-27.65	114.36	0.10	117.66	103.59
6050.00	1.35	123.61	6047.97	-23.38	-27.99	114.81	0.79	118.17	103.70
6075.00	1.56	115.21	6072.96	-23.66	-28.29	115.37	1.21	118.78	103.78
6100.00	1.53	109.55	6097.95	-23.89	-28.55	115.99	0.62	119.45	103.83
6125.00	1.84	108.27	6122.94	-24.10	-28.79	116.69	1.25	120.19	103.86
6150.00	1.95	102.73	6147.93	-24.29	-29.01	117.48	0.85	121.01	103.87
6175.00	2.22	100.72	6172.91	-24.44	-29.19	118.37	1.12	121.92	103.85
6200.00	2.28	102.53	6197.89	-24.60	-29.39	119.33	0.36	122.90	103.84
6225.00	2.29	101.25	6222.87	-24.76	-29.60	120.31	0.21	123.89	103.82
6250.00	2.05	101.26	6247.86	-24.91	-29.78	121.24	0.94	124.84	103.80
6275.00	2.20	103.62	6272.84	-25.08	-29.98	122.14	0.71	125.77	103.79
6300.00	2.31	101.99	6297.82	-25.26	-30.20	123.10	0.51	126.75	103.78
6325.00	2.25	100.89	6322.80	-25.41	-30.40	124.08	0.31	127.75	103.77
6350.00	2.20	99.88	6347.78	-25.55	-30.57	125.03	0.26	128.71	103.74
6375.00	2.31	99.06	6372.76	-25.67	-30.73	126.00	0.49	129.69	103.71
6400.00	2.39	96.12	6397.74	-25.77	-30.87	127.02	0.56	130.71	103.66
6425.00	2.67	94.45	6422.72	-25.82	-30.97	128.11	1.18	131.80	103.59
6450.00	2.74	91.60	6447.69	-25.84	-31.03	129.29	0.61	132.97	103.50

SURVEY REPORT

FEZ FEDERAL COM #601H

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
6475.00	2.82	91.84	6472.66	-25.83	-31.07	130.51	0.31	134.15	103.39
6500.00	2.99	90.94	6497.63	-25.81	-31.10	131.77	0.71	135.39	103.28
6525.00	2.90	92.34	6522.59	-25.79	-31.13	133.06	0.46	136.65	103.17
6550.00	2.78	89.96	6547.56	-25.77	-31.16	134.30	0.68	137.87	103.06
6575.00	2.79	90.96	6572.53	-25.73	-31.17	135.51	0.19	139.05	102.95
6600.00	2.82	90.39	6597.50	-25.69	-31.18	136.74	0.18	140.25	102.85
6625.00	2.98	90.27	6622.47	-25.65	-31.19	138.00	0.62	141.48	102.74
6650.00	2.70	89.64	6647.44	-25.60	-31.19	139.24	1.12	142.69	102.63
6675.00	2.75	90.90	6672.41	-25.56	-31.20	140.42	0.31	143.85	102.53
6700.00	2.69	89.49	6697.38	-25.52	-31.20	141.61	0.35	145.01	102.43
6725.00	2.83	91.78	6722.35	-25.48	-31.21	142.81	0.73	146.18	102.33
6750.00	2.64	89.96	6747.33	-25.45	-31.23	144.01	0.86	147.35	102.24
6775.00	2.74	88.60	6772.30	-25.39	-31.22	145.18	0.50	148.50	102.14
6800.00	2.67	88.46	6797.27	-25.31	-31.19	146.36	0.30	149.64	102.03
6825.00	2.61	86.19	6822.24	-25.22	-31.13	147.51	0.49	150.76	101.92
6850.00	2.55	86.79	6847.22	-25.10	-31.07	148.63	0.24	151.84	101.81
6875.00	2.73	87.04	6872.19	-24.99	-31.00	149.78	0.71	152.95	101.69
6900.00	2.64	86.87	6897.16	-24.88	-30.94	150.95	0.37	154.09	101.58
6925.00	2.50	84.60	6922.14	-24.76	-30.86	152.06	0.70	155.16	101.47
6950.00	2.54	87.57	6947.12	-24.64	-30.78	153.16	0.55	156.22	101.36
6975.00	2.70	87.56	6972.09	-24.55	-30.74	154.30	0.63	157.33	101.27
7000.00	2.52	87.72	6997.06	-24.45	-30.69	155.44	0.72	158.44	101.17
7025.00	2.59	87.18	7022.04	-24.36	-30.64	156.55	0.30	159.52	101.07
7050.00	2.58	87.69	7047.01	-24.26	-30.59	157.68	0.10	160.62	100.98
7075.00	2.75	88.05	7071.99	-24.17	-30.55	158.84	0.68	161.75	100.89
7100.00	2.58	86.65	7096.96	-24.07	-30.49	160.00	0.74	162.88	100.79
7125.00	2.54	86.85	7121.93	-23.97	-30.43	161.12	0.16	163.96	100.69
7150.00	2.68	87.50	7146.91	-23.86	-30.37	162.25	0.57	165.07	100.60
7175.00	2.60	86.11	7171.88	-23.76	-30.31	163.40	0.42	166.19	100.51
7200.00	2.71	86.77	7196.85	-23.64	-30.24	164.56	0.46	167.31	100.41
7225.00	2.67	87.52	7221.83	-23.53	-30.18	165.73	0.19	168.45	100.32
7250.00	2.64	86.60	7246.80	-23.43	-30.12	166.88	0.22	169.58	100.23

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	2.95	89.50	7271.77	-23.34	-30.08	168.10	1.35	170.77	100.14
7300.00	2.98	87.84	7296.74	-23.26	-30.05	169.39	0.37	172.04	100.06
7325.00	3.08	86.95	7321.70	-23.14	-29.99	170.71	0.44	173.33	99.96
7350.00	3.05	87.73	7346.67	-23.03	-29.93	172.05	0.20	174.63	99.87
7375.00	3.07	87.89	7371.63	-22.92	-29.88	173.38	0.09	175.93	99.78
7400.00	3.04	87.41	7396.60	-22.82	-29.82	174.71	0.17	177.24	99.69
7425.00	3.10	87.54	7421.56	-22.70	-29.76	176.05	0.26	178.54	99.60
7450.00	3.06	88.05	7446.52	-22.60	-29.71	177.39	0.18	179.86	99.51
7475.00	3.08	87.75	7471.49	-22.50	-29.66	178.73	0.09	181.17	99.42
7500.00	3.07	87.27	7496.45	-22.39	-29.60	180.07	0.11	182.48	99.34
7525.00	3.13	86.34	7521.42	-22.26	-29.53	181.41	0.31	183.80	99.24
7550.00	3.13	87.14	7546.38	-22.12	-29.45	182.78	0.17	185.13	99.15
7575.00	3.14	87.22	7571.34	-22.00	-29.38	184.14	0.04	186.47	99.07
7600.00	3.05	87.19	7596.30	-21.88	-29.32	185.49	0.34	187.79	98.98
7625.00	2.99	87.48	7621.27	-21.77	-29.26	186.81	0.25	189.09	98.90
7650.00	2.77	86.82	7646.24	-21.66	-29.19	188.06	0.89	190.32	98.82
7675.00	2.67	87.78	7671.21	-21.55	-29.14	189.25	0.44	191.48	98.75
7700.00	2.59	87.98	7696.18	-21.46	-29.10	190.40	0.33	192.61	98.69
7725.00	2.49	86.67	7721.16	-21.37	-29.04	191.50	0.45	193.69	98.62
7750.00	2.27	84.94	7746.14	-21.25	-28.97	192.54	0.95	194.71	98.56
7775.00	2.06	82.03	7771.12	-21.11	-28.86	193.48	0.93	195.62	98.48
7800.00	1.98	80.35	7796.10	-20.94	-28.73	194.35	0.40	196.46	98.41
7825.00	2.03	81.66	7821.09	-20.77	-28.59	195.21	0.28	197.29	98.33
7850.00	1.81	82.56	7846.07	-20.62	-28.48	196.04	0.88	198.10	98.26
7875.00	1.73	82.76	7871.06	-20.49	-28.38	196.81	0.33	198.84	98.20
7900.00	1.55	81.94	7896.05	-20.37	-28.28	197.52	0.73	199.53	98.15
7925.00	1.62	81.60	7921.04	-20.24	-28.18	198.20	0.28	200.19	98.09
7950.00	1.72	83.74	7946.03	-20.12	-28.09	198.92	0.48	200.90	98.04
7975.00	1.63	84.00	7971.02	-20.01	-28.01	199.65	0.37	201.60	97.99
8000.00	1.53	81.30	7996.01	-19.90	-27.93	200.33	0.48	202.27	97.94
8025.00	1.47	85.19	8021.00	-19.80	-27.85	200.98	0.48	202.90	97.89
8050.00	1.50	86.60	8045.99	-19.72	-27.80	201.63	0.18	203.54	97.85

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
8075.00	1.55	87.05	8070.99	-19.66	-27.77	202.29	0.21	204.19	97.82
8100.00	1.53	87.23	8095.98	-19.60	-27.73	202.96	0.06	204.85	97.78
8125.00	1.44	86.71	8120.97	-19.54	-27.70	203.61	0.39	205.49	97.75
8150.00	1.32	84.98	8145.96	-19.47	-27.65	204.21	0.52	206.08	97.71
8175.00	1.26	83.37	8170.95	-19.39	-27.60	204.77	0.28	206.62	97.68
8200.00	1.47	91.24	8195.95	-19.34	-27.57	205.36	1.13	207.21	97.65
8225.00	1.52	68.58	8220.94	-19.21	-27.46	205.99	2.35	207.81	97.59
8250.00	1.32	87.26	8245.93	-19.05	-27.32	206.59	2.00	208.38	97.53
8275.00	1.30	86.89	8270.93	-19.00	-27.30	207.16	0.06	208.95	97.51
8300.00	1.29	88.48	8295.92	-18.95	-27.27	207.72	0.16	209.50	97.48
8325.00	1.34	89.76	8320.91	-18.92	-27.26	208.29	0.25	210.07	97.46
8350.00	1.36	90.95	8345.91	-18.90	-27.27	208.88	0.14	210.65	97.44
8375.00	1.34	88.87	8370.90	-18.87	-27.27	209.47	0.22	211.24	97.42
8400.00	1.28	85.30	8395.89	-18.82	-27.24	210.04	0.40	211.80	97.39
8425.00	1.26	87.57	8420.89	-18.77	-27.20	210.59	0.21	212.34	97.36
8450.00	1.22	88.19	8445.88	-18.73	-27.18	211.13	0.14	212.87	97.34
8475.00	1.24	84.68	8470.87	-18.67	-27.15	211.67	0.31	213.40	97.31
8500.00	1.06	86.68	8495.87	-18.61	-27.11	212.17	0.74	213.89	97.28
8525.00	1.08	86.31	8520.87	-18.57	-27.08	212.63	0.08	214.35	97.26
8550.00	1.09	83.40	8545.86	-18.50	-27.04	213.10	0.23	214.81	97.23
8575.00	1.15	84.89	8570.86	-18.44	-26.99	213.59	0.26	215.29	97.20
8600.00	0.95	89.10	8595.85	-18.39	-26.97	214.05	0.85	215.74	97.18
8625.00	0.96	83.83	8620.85	-18.35	-26.94	214.46	0.35	216.15	97.16
8650.00	0.95	80.13	8645.84	-18.27	-26.88	214.87	0.25	216.55	97.13
8675.00	1.03	83.91	8670.84	-18.20	-26.82	215.30	0.38	216.97	97.10
8700.00	1.02	86.78	8695.84	-18.14	-26.79	215.75	0.21	217.40	97.08
8725.00	1.09	86.67	8720.83	-18.10	-26.76	216.20	0.26	217.85	97.06
8750.00	1.06	80.47	8745.83	-18.03	-26.71	216.67	0.48	218.31	97.03
8775.00	0.97	83.16	8770.82	-17.95	-26.64	217.11	0.39	218.73	97.00
8800.00	0.99	85.03	8795.82	-17.89	-26.60	217.53	0.15	219.15	96.97
8825.00	1.03	90.77	8820.82	-17.85	-26.58	217.97	0.43	219.59	96.95
8850.00	0.98	95.91	8845.81	-17.86	-26.61	218.41	0.42	220.02	96.95

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
8875.00	1.02	98.17	8870.81	-17.90	-26.66	218.84	0.23	220.46	96.95
8900.00	1.01	97.67	8895.81	-17.94	-26.72	219.28	0.05	220.90	96.95
8925.00	1.18	106.53	8920.80	-18.03	-26.83	219.74	0.96	221.38	96.96
8950.00	0.97	112.70	8945.80	-18.16	-26.98	220.19	0.97	221.83	96.99
8975.00	1.03	116.52	8970.79	-18.33	-27.16	220.58	0.37	222.25	97.02
9000.00	1.05	133.26	8995.79	-18.57	-27.42	220.95	1.21	222.65	97.07
9025.00	1.15	140.01	9020.78	-18.91	-27.77	221.28	0.65	223.02	97.15
9050.00	1.37	144.72	9045.78	-19.33	-28.21	221.61	0.97	223.40	97.25
9075.00	1.21	159.62	9070.77	-19.81	-28.70	221.88	1.48	223.73	97.37
9100.00	1.38	162.85	9095.77	-20.33	-29.23	222.06	0.74	223.97	97.50
9125.00	1.41	167.21	9120.76	-20.92	-29.82	222.22	0.45	224.21	97.64
9150.00	1.55	171.91	9145.75	-21.55	-30.45	222.33	0.71	224.41	97.80
9175.00	1.71	177.50	9170.74	-22.25	-31.16	222.39	0.92	224.57	97.98
9200.00	1.91	187.15	9195.73	-23.04	-31.95	222.36	1.46	224.64	98.18
9225.00	2.07	191.08	9220.71	-23.90	-32.81	222.22	0.81	224.63	98.40
9250.00	2.20	193.72	9245.69	-24.82	-33.71	222.02	0.67	224.57	98.63
9275.00	2.18	194.32	9270.68	-25.75	-34.64	221.79	0.13	224.48	98.88
9300.00	2.23	195.05	9295.66	-26.69	-35.57	221.55	0.24	224.38	99.12
9325.00	2.49	197.92	9320.64	-27.69	-36.56	221.25	1.15	224.25	99.38
9350.00	2.54	199.70	9345.61	-28.74	-37.60	220.90	0.36	224.07	99.66
9375.00	2.59	200.23	9370.59	-29.80	-38.65	220.52	0.23	223.88	99.94
9400.00	2.66	202.74	9395.56	-30.88	-39.71	220.10	0.53	223.65	100.23
9425.00	2.88	203.60	9420.53	-32.01	-40.82	219.62	0.91	223.38	100.53
9450.00	2.96	202.64	9445.50	-33.20	-41.99	219.12	0.37	223.11	100.85
9475.00	3.19	203.29	9470.46	-34.46	-43.22	218.60	0.92	222.83	101.19
9500.00	3.59	204.07	9495.42	-35.83	-44.58	218.00	1.63	222.52	101.56
9525.00	3.99	203.35	9520.37	-37.37	-46.09	217.34	1.60	222.17	101.97
9550.00	4.18	206.08	9545.30	-39.01	-47.71	216.60	1.08	221.79	102.42
9575.00	4.58	204.95	9570.23	-40.77	-49.43	215.78	1.64	221.36	102.90
9600.00	4.92	204.31	9595.14	-42.68	-51.31	214.91	1.39	220.95	103.43
9625.00	5.16	203.98	9620.05	-44.72	-53.31	214.02	0.97	220.56	103.99
9650.00	5.36	203.55	9644.94	-46.85	-55.41	213.09	0.83	220.18	104.58

SURVEY REPORT

FEZ FEDERAL COM #601H

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
9675.00	5.59	203.32	9669.83	-49.08	-57.60	212.14	0.89	219.82	105.19
9700.00	5.95	203.44	9694.70	-51.42	-59.91	211.15	1.46	219.48	105.84
9725.00	6.09	202.75	9719.56	-53.87	-62.32	210.12	0.64	219.16	106.52
9750.00	6.26	202.55	9744.42	-56.39	-64.80	209.08	0.66	218.89	107.22
9775.00	6.52	201.93	9769.26	-59.01	-67.37	208.03	1.07	218.67	107.95
9800.00	6.66	201.97	9794.10	-61.71	-70.03	206.96	0.56	218.49	108.70
9825.00	6.94	201.16	9818.92	-64.50	-72.79	205.87	1.19	218.36	109.47
9850.00	7.29	200.20	9843.73	-67.44	-75.68	204.78	1.48	218.32	110.28
9875.00	7.45	199.86	9868.52	-70.49	-78.69	203.68	0.67	218.35	111.12
9900.00	7.56	201.50	9893.31	-73.59	-81.75	202.53	0.97	218.40	111.98
9925.00	7.78	199.36	9918.08	-76.76	-84.88	201.36	1.43	218.52	112.86
9950.00	7.76	194.86	9942.86	-80.03	-88.10	200.37	2.43	218.88	113.74
9975.00	7.44	192.32	9967.64	-83.27	-91.32	199.59	1.85	219.49	114.59
10000.00	7.26	189.99	9992.43	-86.43	-94.46	198.97	1.41	220.25	115.39
10025.00	7.10	188.68	10017.23	-89.53	-97.54	198.46	0.92	221.14	116.17
10050.00	6.52	188.69	10042.06	-92.47	-100.47	198.02	2.32	222.05	116.90
10075.00	5.32	188.46	10066.92	-95.03	-103.01	197.63	4.79	222.87	117.53
10100.00	5.00	188.22	10091.82	-97.27	-105.24	197.31	1.26	223.62	118.07
10125.00	4.64	186.49	10116.73	-99.36	-107.32	197.04	1.56	224.37	118.58
10150.00	4.09	184.88	10141.66	-101.26	-109.21	196.85	2.27	225.11	119.02
10175.00	3.60	183.58	10166.61	-102.94	-110.89	196.72	1.96	225.82	119.41
10200.00	3.21	175.75	10191.56	-104.42	-112.37	196.72	2.43	226.55	119.73
10225.00	3.05	171.53	10216.52	-105.77	-113.72	196.87	1.12	227.36	120.01
10250.00	2.73	160.99	10241.49	-106.97	-114.94	197.17	2.47	228.22	120.24
10275.00	2.50	151.40	10266.47	-108.00	-115.99	197.62	1.97	229.14	120.41
10300.00	2.31	143.41	10291.44	-108.86	-116.87	198.18	1.54	230.08	120.53
10325.00	2.16	132.01	10316.43	-109.55	-117.59	198.83	1.88	231.00	120.60
10350.00	2.09	114.83	10341.41	-110.03	-118.10	199.60	2.56	231.92	120.61
10375.00	2.18	108.82	10366.39	-110.34	-118.44	200.46	0.96	232.84	120.58
10400.00	2.25	104.52	10391.37	-110.58	-118.72	201.39	0.73	233.78	120.52
10425.00	2.35	98.81	10416.35	-110.74	-118.92	202.37	0.99	234.73	120.44
10450.00	2.54	93.57	10441.33	-110.81	-119.04	203.43	1.17	235.69	120.33

SURVEY REPORT

FEZ FEDERAL COM #601H

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
10475.00	2.59	93.97	10466.31	-110.84	-119.11	204.54	0.24	236.70	120.21
10500.00	2.62	93.18	10491.28	-110.87	-119.18	205.68	0.17	237.71	120.09
10525.00	2.70	93.13	10516.25	-110.88	-119.24	206.83	0.31	238.75	119.96
10550.00	2.69	93.32	10541.22	-110.90	-119.31	208.01	0.04	239.80	119.84
10575.00	2.76	93.35	10566.20	-110.92	-119.38	209.19	0.30	240.86	119.71
10600.00	2.72	93.00	10591.17	-110.94	-119.44	210.39	0.20	241.93	119.59
10625.00	2.63	93.45	10616.14	-110.96	-119.51	211.55	0.35	242.98	119.46
10650.00	2.46	92.83	10641.12	-110.98	-119.57	212.66	0.68	243.97	119.35
10675.00	2.31	92.38	10666.09	-110.98	-119.62	213.70	0.60	244.90	119.24
10700.00	2.29	92.54	10691.07	-110.99	-119.66	214.71	0.11	245.80	119.13
10725.00	2.17	94.31	10716.06	-111.01	-119.72	215.68	0.54	246.68	119.03
10750.00	2.15	90.93	10741.04	-111.01	-119.76	216.62	0.51	247.52	118.94
10775.00	2.15	91.84	10766.02	-111.00	-119.79	217.56	0.14	248.35	118.84
10800.00	2.16	91.87	10791.00	-110.99	-119.82	218.49	0.04	249.19	118.74
10825.00	2.10	89.84	10815.98	-110.97	-119.83	219.42	0.37	250.01	118.64
10850.00	2.16	91.00	10840.97	-110.94	-119.84	220.35	0.28	250.83	118.54
10875.00	2.13	91.55	10865.95	-110.92	-119.86	221.29	0.14	251.66	118.44
10900.00	2.13	90.31	10890.93	-110.90	-119.87	222.22	0.19	252.49	118.34
10925.00	2.05	92.38	10915.92	-110.88	-119.89	223.13	0.43	253.30	118.25
10950.00	2.03	93.39	10940.90	-110.89	-119.94	224.02	0.17	254.10	118.16
10975.00	1.99	97.69	10965.88	-110.94	-120.02	224.89	0.62	254.91	118.09
11000.00	1.92	97.97	10990.87	-111.02	-120.14	225.74	0.30	255.71	118.02
11025.00	2.00	101.19	11015.86	-111.13	-120.28	226.58	0.55	256.52	117.96
11050.00	2.07	99.38	11040.84	-111.26	-120.44	227.45	0.40	257.37	117.90
11075.00	2.10	91.86	11065.82	-111.31	-120.53	228.36	1.10	258.21	117.83
11100.00	2.31	78.02	11090.81	-111.18	-120.44	229.31	2.27	259.01	117.71
11125.00	2.39	71.24	11115.78	-110.87	-120.17	230.29	1.16	259.76	117.56
11150.00	2.46	60.89	11140.76	-110.40	-119.74	231.25	1.78	260.41	117.37
11175.00	2.51	54.52	11165.74	-109.79	-119.16	232.17	1.12	260.96	117.17
11200.00	2.43	46.20	11190.72	-109.07	-118.48	233.00	1.47	261.39	116.95
11225.00	2.33	32.64	11215.69	-108.25	-117.68	233.65	2.28	261.62	116.73
11250.00	2.35	23.08	11240.67	-107.33	-116.78	234.13	1.56	261.64	116.51

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	"/100ft	ft	deg
11275.00	2.52	10.23	11265.65	-106.31	-115.77	234.43	2.28	261.46	116.28
11300.00	2.74	2.72	11290.62	-105.17	-114.63	234.55	1.64	261.07	116.05
11325.00	2.94	1.01	11315.59	-103.93	-113.39	234.59	0.86	260.56	115.80
11350.00	3.12	1.59	11340.56	-102.61	-112.07	234.62	0.73	260.02	115.53
11375.00	3.54	2.45	11365.52	-101.16	-110.62	234.68	1.69	259.44	115.24
11400.00	3.86	4.85	11390.46	-99.55	-109.02	234.78	1.45	258.86	114.91
11425.00	4.28	4.69	11415.40	-97.77	-107.25	234.93	1.65	258.25	114.54
11450.00	4.68	6.58	11440.33	-95.82	-105.30	235.12	1.73	257.62	114.13
11475.00	5.18	6.05	11465.23	-93.68	-103.17	235.36	2.00	256.97	113.67
11500.00	5.73	7.44	11490.12	-91.31	-100.81	235.64	2.27	256.29	113.16
11523.00	6.28	7.50	11512.99	-88.91	-98.42	235.95	2.37	255.65	112.64