

COG

FEZ FEDERAL COM #701H

MCVAY #8

1/18/2019

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

JAKE ELGER

Notarized this date 04 of FEBRUARY, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



Scientific Drilling

The

In Wellbore Placement

SURVEY REPORT

FEZ FEDERAL COM #701H

COMPUTED KEEPER GYRO WIRELINE SURVEY

CUSTOMER COG
PROJECT Fez Federal Com #701H
FIELD Fez Federal Com #701H

SDI JOB NO. OP.015921
SDI DISTRICT Midland
SDI KIT/UNIT

SITE INFORMATION

Site Name Fez Federal Com #701H
Lat/Long 32.138406° N, 103.375466° W
Northing 415,406.3 ft
Easting 837,824 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**

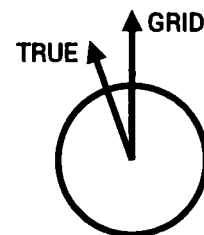
Lat/Long 32.138406° N, 103.375466° W
Northing 415,406.3 ft
Easting 837,824 ft
UWI 30-025-45277

DEPTH AND ELEVATION REFERENCE

Ground Level 3243.6 ft above Mean Sea
Level
Reference Datum RKB
Reference Height 26 ft above G.L.
Reference Elevation 3269.6 ft

VERTICAL SECTION REFERENCE

+N/-S 0 ft
+E/-W 0 ft
Proposal Direction 1.98°
Calculation Method Minimum Curvature

**LOCAL GRAVITY REFERENCE INFORMATION**

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

WELL NOTES**OPERATORS**

Nathan Yerby

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	0.57	260.76	100.00	-0.10	-0.08	-0.50	0.57	0.50	260.76
125.00	0.73	265.26	125.00	-0.14	-0.11	-0.78	0.63	0.78	261.67
150.00	0.72	266.17	149.99	-0.17	-0.14	-1.09	0.05	1.10	262.83
175.00	0.49	273.05	174.99	-0.19	-0.14	-1.35	0.94	1.36	264.02
200.00	0.56	269.40	199.99	-0.19	-0.14	-1.58	0.30	1.59	265.04
225.00	0.60	265.77	224.99	-0.21	-0.15	-1.84	0.21	1.84	265.38
250.00	0.78	260.58	249.99	-0.26	-0.19	-2.13	0.77	2.14	265.02
275.00	0.60	272.46	274.99	-0.29	-0.21	-2.43	0.90	2.44	265.12
300.00	0.58	258.55	299.99	-0.32	-0.23	-2.69	0.58	2.70	265.16
325.00	0.39	251.86	324.99	-0.38	-0.28	-2.90	0.79	2.91	264.49
350.00	0.30	228.87	349.98	-0.45	-0.35	-3.03	0.66	3.05	263.42
375.00	0.36	240.10	374.98	-0.54	-0.43	-3.14	0.36	3.17	262.18
400.00	0.29	231.15	399.98	-0.62	-0.51	-3.26	0.34	3.30	261.09
425.00	0.26	240.05	424.98	-0.70	-0.58	-3.36	0.22	3.41	260.21
450.00	0.32	232.79	449.98	-0.77	-0.65	-3.47	0.28	3.53	259.37
475.00	0.24	243.14	474.98	-0.84	-0.72	-3.57	0.38	3.64	258.64
500.00	0.32	235.32	499.98	-0.91	-0.78	-3.67	0.34	3.76	258.01
525.00	0.30	233.92	524.98	-0.99	-0.86	-3.79	0.07	3.88	257.22
550.00	0.32	232.18	549.98	-1.08	-0.94	-3.89	0.10	4.01	256.41
575.00	0.17	241.65	574.98	-1.14	-1.00	-3.98	0.62	4.11	255.87
600.00	0.34	241.29	599.98	-1.20	-1.06	-4.08	0.66	4.22	255.50
625.00	0.26	243.53	624.98	-1.26	-1.12	-4.20	0.32	4.34	255.10
650.00	0.29	246.35	649.98	-1.32	-1.17	-4.31	0.13	4.46	254.83
675.00	0.29	243.55	674.98	-1.37	-1.22	-4.42	0.06	4.59	254.56
700.00	0.26	247.23	699.98	-1.43	-1.27	-4.53	0.16	4.70	254.33
725.00	0.30	252.35	724.98	-1.47	-1.31	-4.64	0.21	4.82	254.22
750.00	0.33	247.65	749.98	-1.52	-1.36	-4.77	0.16	4.96	254.10
775.00	0.31	264.47	774.98	-1.56	-1.39	-4.90	0.38	5.10	254.15
800.00	0.36	265.74	799.98	-1.58	-1.41	-5.05	0.20	5.24	254.45
825.00	0.28	263.65	824.98	-1.60	-1.42	-5.19	0.31	5.38	254.72
850.00	0.40	261.00	849.98	-1.62	-1.44	-5.34	0.46	5.53	254.92

SURVEY REPORT

FEZ FEDERAL COM #701H

COMPUTED KEEPER GYRO WIRELINE 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	0.33	265.82	874.98	-1.65	-1.46	-5.49	0.29	5.68	255.15
900.00	0.35	267.78	899.98	-1.66	-1.47	-5.64	0.09	5.83	255.44
925.00	0.30	276.11	924.98	-1.66	-1.46	-5.79	0.28	5.97	255.82
950.00	0.34	274.28	949.98	-1.65	-1.45	-5.92	0.16	6.10	256.26
975.00	0.29	277.08	974.98	-1.64	-1.44	-6.06	0.18	6.23	256.68
1000.00	0.33	271.56	999.98	-1.64	-1.43	-6.20	0.18	6.36	257.04
1025.00	0.37	271.89	1024.97	-1.64	-1.42	-6.35	0.16	6.51	257.38
1050.00	0.29	272.99	1049.97	-1.64	-1.42	-6.49	0.32	6.64	257.70
1075.00	0.28	271.42	1074.97	-1.64	-1.41	-6.62	0.05	6.76	257.97
1100.00	0.34	267.61	1099.97	-1.64	-1.41	-6.75	0.26	6.90	258.19
1125.00	0.44	263.08	1124.97	-1.66	-1.43	-6.92	0.41	7.06	258.35
1150.00	0.47	263.03	1149.97	-1.70	-1.45	-7.12	0.14	7.26	258.48
1175.00	0.37	256.77	1174.97	-1.73	-1.48	-7.30	0.44	7.45	258.52
1200.00	0.26	272.60	1199.97	-1.75	-1.50	-7.43	0.56	7.58	258.61
1225.00	0.19	225.38	1224.97	-1.78	-1.52	-7.52	0.77	7.67	258.55
1250.00	0.26	135.39	1249.97	-1.85	-1.59	-7.51	1.28	7.67	258.03
1275.00	0.54	138.37	1274.97	-1.97	-1.72	-7.39	1.11	7.59	256.90
1300.00	0.69	133.56	1299.97	-2.16	-1.91	-7.20	0.64	7.45	255.15
1325.00	0.69	133.20	1324.97	-2.36	-2.12	-6.99	0.02	7.30	253.14
1350.00	0.69	133.10	1349.97	-2.56	-2.32	-6.76	0.01	7.15	251.04
1375.00	0.67	134.59	1374.96	-2.76	-2.53	-6.55	0.11	7.02	248.88
1400.00	0.70	134.27	1399.96	-2.96	-2.74	-6.34	0.10	6.90	246.62
1425.00	0.67	131.37	1424.96	-3.15	-2.94	-6.12	0.17	6.79	244.32
1450.00	0.73	128.71	1449.96	-3.34	-3.14	-5.88	0.26	6.67	241.93
1475.00	0.86	128.21	1474.96	-3.54	-3.35	-5.61	0.54	6.54	239.15
1500.00	0.84	134.13	1499.95	-3.78	-3.60	-5.33	0.36	6.43	236.02
1525.00	0.80	136.27	1524.95	-4.02	-3.85	-5.08	0.19	6.38	232.86
1550.00	0.68	133.79	1549.95	-4.24	-4.08	-4.85	0.50	6.34	229.96
1575.00	0.59	140.98	1574.95	-4.44	-4.28	-4.67	0.48	6.33	227.45
1600.00	0.58	134.06	1599.95	-4.62	-4.47	-4.49	0.29	6.34	225.14
1625.00	0.56	133.32	1624.94	-4.79	-4.64	-4.31	0.08	6.34	222.87
1650.00	0.46	121.55	1649.94	-4.92	-4.78	-4.14	0.58	6.32	220.86

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
1675.00	0.49	119.72	1674.94	-5.02	-4.89	-3.96	0.11	6.29	219.00
1700.00	0.53	120.95	1699.94	-5.13	-5.00	-3.77	0.16	6.26	216.99
1725.00	0.56	114.50	1724.94	-5.23	-5.11	-3.56	0.27	6.23	214.85
1750.00	0.66	105.40	1749.94	-5.31	-5.20	-3.31	0.57	6.16	212.47
1775.00	0.65	114.04	1774.94	-5.40	-5.29	-3.04	0.40	6.10	209.87
1800.00	0.59	118.69	1799.94	-5.51	-5.41	-2.80	0.31	6.09	207.34
1825.00	0.55	121.90	1824.93	-5.62	-5.54	-2.59	0.20	6.11	205.03
1850.00	0.48	124.87	1849.93	-5.74	-5.66	-2.40	0.30	6.15	202.97
1875.00	0.52	113.83	1874.93	-5.84	-5.76	-2.21	0.42	6.17	200.97
1900.00	0.47	112.65	1899.93	-5.92	-5.85	-2.01	0.22	6.19	198.98
1925.00	0.53	109.64	1924.93	-5.99	-5.93	-1.81	0.29	6.20	196.97
1950.00	0.53	104.50	1949.93	-6.05	-6.00	-1.59	0.19	6.20	194.83
1975.00	0.51	114.75	1974.93	-6.11	-6.07	-1.38	0.38	6.22	192.77
2000.00	0.63	124.31	1999.93	-6.23	-6.20	-1.16	0.64	6.30	190.61
2025.00	0.80	123.54	2024.93	-6.40	-6.37	-0.90	0.65	6.43	188.05
2050.00	0.91	123.27	2049.92	-6.59	-6.57	-0.59	0.44	6.60	185.13
2075.00	0.91	127.10	2074.92	-6.81	-6.80	-0.27	0.24	6.81	182.24
2100.00	0.95	128.32	2099.92	-7.05	-7.05	0.06	0.17	7.05	179.55
2125.00	0.91	131.20	2124.91	-7.29	-7.31	0.37	0.25	7.32	177.12
2150.00	0.92	133.24	2149.91	-7.55	-7.58	0.66	0.14	7.61	174.99
2175.00	0.99	131.67	2174.91	-7.82	-7.86	0.97	0.30	7.92	172.95
2200.00	0.84	127.16	2199.90	-8.07	-8.12	1.28	0.67	8.22	171.04
2225.00	0.76	131.36	2224.90	-8.28	-8.34	1.55	0.39	8.48	169.46
2250.00	0.72	129.07	2249.90	-8.48	-8.55	1.80	0.20	8.73	168.11
2275.00	0.59	127.36	2274.90	-8.65	-8.72	2.02	0.53	8.96	166.94
2300.00	0.58	118.86	2299.90	-8.78	-8.86	2.24	0.35	9.14	165.83
2325.00	0.63	112.66	2324.89	-8.89	-8.98	2.48	0.33	9.31	164.58
2350.00	0.56	109.62	2349.89	-8.97	-9.07	2.72	0.32	9.47	163.31
2375.00	0.60	112.77	2374.89	-9.06	-9.17	2.96	0.21	9.63	162.12
2400.00	0.55	118.64	2399.89	-9.16	-9.27	3.18	0.31	9.81	161.06
2425.00	0.68	115.53	2424.89	-9.27	-9.40	3.42	0.54	10.00	159.98
2450.00	0.83	119.37	2449.89	-9.42	-9.55	3.72	0.62	10.25	158.74

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
2475.00	0.91	125.82	2474.88	-9.61	-9.75	4.04	0.50	10.56	157.53
2500.00	1.10	131.08	2499.88	-9.87	-10.03	4.38	0.83	10.94	156.42
2525.00	1.04	131.71	2524.88	-10.17	-10.34	4.73	0.23	11.36	155.43
2550.00	1.00	134.71	2549.87	-10.46	-10.64	5.05	0.27	11.78	154.61
2575.00	0.95	130.70	2574.87	-10.73	-10.93	5.36	0.33	12.17	153.87
2600.00	0.96	124.86	2599.86	-10.98	-11.18	5.69	0.39	12.54	153.04
2625.00	0.97	119.02	2624.86	-11.19	-11.40	6.04	0.39	12.90	152.08
2650.00	1.02	117.73	2649.86	-11.38	-11.61	6.42	0.23	13.27	151.04
2675.00	1.05	125.17	2674.85	-11.60	-11.84	6.81	0.56	13.66	150.11
2700.00	0.91	129.23	2699.85	-11.85	-12.10	7.15	0.64	14.06	149.42
2725.00	1.05	120.62	2724.85	-12.08	-12.34	7.50	0.82	14.45	148.71
2750.00	1.15	121.92	2749.84	-12.31	-12.59	7.91	0.41	14.87	147.86
2775.00	1.15	122.37	2774.84	-12.57	-12.86	8.34	0.04	15.33	147.04
2800.00	1.17	124.08	2799.83	-12.83	-13.14	8.76	0.17	15.79	146.30
2825.00	1.07	124.38	2824.83	-13.09	-13.41	9.17	0.40	16.25	145.65
2850.00	1.13	120.50	2849.82	-13.33	-13.67	9.57	0.37	16.69	145.00
2875.00	1.09	120.36	2874.82	-13.56	-13.92	9.99	0.16	17.13	144.33
2900.00	1.09	119.00	2899.81	-13.78	-14.15	10.40	0.10	17.56	143.68
2925.00	1.01	114.98	2924.81	-13.98	-14.36	10.81	0.43	17.97	143.03
2950.00	0.88	100.89	2949.80	-14.09	-14.49	11.20	1.05	18.31	142.30
2975.00	0.80	101.74	2974.80	-14.15	-14.56	11.56	0.36	18.59	141.56
3000.00	0.80	96.34	2999.80	-14.20	-14.62	11.90	0.30	18.85	140.84
3025.00	0.76	100.51	3024.80	-14.23	-14.67	12.24	0.28	19.10	140.15
3050.00	0.86	100.55	3049.79	-14.29	-14.73	12.59	0.39	19.38	139.48
3075.00	0.78	104.74	3074.79	-14.35	-14.81	12.94	0.40	19.67	138.85
3100.00	0.79	106.58	3099.79	-14.43	-14.90	13.27	0.10	19.95	138.31
3125.00	0.71	122.47	3124.79	-14.56	-15.03	13.57	0.88	20.25	137.94
3150.00	0.82	124.87	3149.79	-14.73	-15.22	13.84	0.45	20.57	137.71
3175.00	0.74	135.81	3174.78	-14.94	-15.44	14.10	0.68	20.91	137.59
3200.00	0.74	118.80	3199.78	-15.13	-15.63	14.36	0.88	21.22	137.43
3225.00	0.76	118.57	3224.78	-15.27	-15.79	14.64	0.09	21.53	137.15
3250.00	0.88	114.36	3249.78	-15.42	-15.95	14.96	0.52	21.87	136.82

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
3275.00	0.94	110.59	3274.77	-15.56	-16.10	15.33	0.35	22.23	136.40
3300.00	0.70	116.11	3299.77	-15.69	-16.24	15.66	1.00	22.56	136.04
3325.00	0.48	110.10	3324.77	-15.78	-16.34	15.90	0.92	22.80	135.79
3350.00	0.45	98.61	3349.77	-15.83	-16.39	16.09	0.40	22.97	135.53
3375.00	0.37	98.91	3374.77	-15.85	-16.42	16.27	0.32	23.12	135.26
3400.00	0.51	88.86	3399.77	-15.85	-16.43	16.46	0.63	23.26	134.94
3425.00	0.51	82.12	3424.77	-15.83	-16.41	16.68	0.24	23.40	134.53
3450.00	0.63	91.77	3449.77	-15.81	-16.40	16.93	0.59	23.57	134.09
3475.00	0.73	103.00	3474.76	-15.84	-16.44	17.22	0.66	23.81	133.67
3500.00	0.96	111.88	3499.76	-15.94	-16.55	17.57	1.05	24.14	133.29
3525.00	0.98	118.15	3524.76	-16.10	-16.73	17.95	0.43	24.54	132.98
3550.00	0.96	121.83	3549.75	-16.30	-16.94	18.32	0.27	24.95	132.77
3575.00	0.91	123.99	3574.75	-16.51	-17.17	18.66	0.23	25.36	132.61
3600.00	0.92	117.59	3599.75	-16.70	-17.37	19.01	0.41	25.75	132.43
3625.00	0.84	115.80	3624.74	-16.86	-17.54	19.35	0.34	26.12	132.20
3650.00	0.89	104.97	3649.74	-16.98	-17.67	19.70	0.68	26.47	131.89
3675.00	0.74	120.64	3674.74	-17.10	-17.81	20.03	1.07	26.80	131.64
3700.00	0.72	118.65	3699.74	-17.25	-17.96	20.30	0.13	27.11	131.50
3725.00	0.64	123.80	3724.73	-17.39	-18.11	20.56	0.39	27.40	131.39
3750.00	0.70	121.61	3749.73	-17.54	-18.27	20.80	0.26	27.69	131.30
3775.00	0.61	121.66	3774.73	-17.68	-18.42	21.04	0.36	27.97	131.20
3800.00	0.67	112.54	3799.73	-17.80	-18.55	21.29	0.47	28.24	131.06
3825.00	0.70	109.66	3824.73	-17.90	-18.65	21.57	0.19	28.52	130.85
3850.00	0.74	112.93	3849.73	-18.00	-18.77	21.86	0.22	28.81	130.65
3875.00	0.88	116.36	3874.72	-18.14	-18.91	22.18	0.62	29.15	130.46
3900.00	0.76	123.12	3899.72	-18.30	-19.09	22.49	0.62	29.50	130.32
3925.00	0.84	118.57	3924.72	-18.47	-19.27	22.79	0.41	29.85	130.21
3950.00	0.71	122.93	3949.72	-18.63	-19.44	23.08	0.59	30.18	130.11
3975.00	0.75	122.99	3974.71	-18.80	-19.61	23.35	0.16	30.49	130.03
4000.00	0.73	119.70	3999.71	-18.95	-19.78	23.62	0.18	30.81	129.94
4025.00	0.70	122.32	4024.71	-19.10	-19.94	23.89	0.17	31.12	129.85
4050.00	0.75	117.77	4049.71	-19.25	-20.10	24.17	0.30	31.43	129.75

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
4075.00	0.94	122.19	4074.71	-19.43	-20.29	24.49	0.80	31.80	129.64
4100.00	1.12	127.48	4099.70	-19.67	-20.54	24.85	0.80	32.24	129.58
4125.00	1.26	132.07	4124.70	-19.99	-20.88	25.25	0.68	32.76	129.58
4150.00	1.48	120.84	4149.69	-20.32	-21.23	25.73	1.38	33.36	129.52
4175.00	1.85	113.37	4174.68	-20.63	-21.55	26.38	1.71	34.06	129.25
4200.00	2.27	107.75	4199.66	-20.91	-21.86	27.22	1.86	34.91	128.77
4225.00	2.45	106.71	4224.64	-21.18	-22.17	28.20	0.74	35.87	128.17
4250.00	2.52	105.28	4249.62	-21.44	-22.46	29.24	0.38	36.87	127.53
4275.00	2.48	103.57	4274.59	-21.68	-22.74	30.30	0.33	37.88	126.88
4300.00	2.38	104.99	4299.57	-21.90	-23.00	31.33	0.47	38.86	126.28
4325.00	2.46	103.90	4324.55	-22.13	-23.26	32.35	0.37	39.84	125.72
4350.00	2.07	107.79	4349.53	-22.36	-23.53	33.30	1.68	40.77	125.24
4375.00	1.60	114.50	4374.52	-22.62	-23.81	34.05	2.07	41.55	124.97
4400.00	1.12	124.89	4399.51	-22.89	-24.10	34.57	2.14	42.14	124.88
4425.00	0.96	125.87	4424.51	-23.14	-24.36	34.94	0.67	42.59	124.88
4450.00	0.99	122.84	4449.50	-23.36	-24.60	35.29	0.25	43.01	124.88
4475.00	0.97	120.84	4474.50	-23.58	-24.82	35.65	0.17	43.44	124.85
4500.00	0.89	122.22	4499.49	-23.78	-25.03	36.00	0.32	43.85	124.82
4525.00	0.85	118.94	4524.49	-23.96	-25.23	36.32	0.27	44.23	124.78
4550.00	0.95	118.91	4549.49	-24.14	-25.42	36.67	0.39	44.61	124.73
4575.00	1.10	118.16	4574.48	-24.33	-25.63	37.06	0.63	45.06	124.67
4600.00	0.96	122.23	4599.48	-24.55	-25.86	37.45	0.63	45.51	124.62
4625.00	0.90	118.83	4624.48	-24.74	-26.06	37.80	0.32	45.91	124.59
4650.00	0.81	135.57	4649.47	-24.95	-26.28	38.09	1.07	46.28	124.60
4675.00	0.82	159.49	4674.47	-25.24	-26.58	38.28	1.35	46.60	124.77
4700.00	0.94	173.47	4699.47	-25.61	-26.95	38.37	0.99	46.88	125.08
4725.00	1.03	178.04	4724.47	-26.03	-27.38	38.40	0.49	47.16	125.49
4750.00	1.25	174.56	4749.46	-26.53	-27.87	38.43	0.91	47.48	125.95
4775.00	1.37	172.34	4774.45	-27.10	-28.44	38.50	0.52	47.86	126.46
4800.00	1.50	174.06	4799.45	-27.71	-29.06	38.57	0.53	48.29	127.00
4825.00	1.46	170.92	4824.44	-28.35	-29.70	38.65	0.35	48.75	127.54
4850.00	1.46	161.27	4849.43	-28.96	-30.32	38.81	0.98	49.25	128.00

SURVEY REPORT

FEZ FEDERAL COM #701H

COMPUTED KEEPER GYRO WIRELINE 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
4875.00	1.38	152.47	4874.42	-29.52	-30.89	39.05	0.93	49.79	128.34
4900.00	1.16	134.08	4899.42	-29.95	-31.33	39.37	1.83	50.32	128.51
4925.00	1.09	115.30	4924.41	-30.22	-31.61	39.77	1.50	50.80	128.48
4950.00	1.05	110.03	4949.41	-30.38	-31.79	40.20	0.44	51.25	128.34
4975.00	0.98	112.93	4974.40	-30.53	-31.95	40.61	0.33	51.67	128.19
5000.00	1.00	105.49	4999.40	-30.66	-32.09	41.02	0.52	52.08	128.04
5025.00	0.93	106.91	5024.40	-30.76	-32.21	41.42	0.31	52.47	127.87
5050.00	1.01	99.13	5049.39	-30.84	-32.30	41.84	0.61	52.86	127.68
5075.00	0.94	113.08	5074.39	-30.94	-32.42	42.24	0.98	53.25	127.51
5100.00	0.97	110.09	5099.39	-31.08	-32.57	42.63	0.23	53.65	127.38
5125.00	0.82	111.90	5124.38	-31.21	-32.71	43.00	0.65	54.03	127.27
5150.00	0.73	105.65	5149.38	-31.31	-32.82	43.31	0.49	54.34	127.16
5175.00	0.74	97.86	5174.38	-31.36	-32.89	43.63	0.40	54.63	127.01
5200.00	0.83	100.87	5199.38	-31.41	-32.94	43.97	0.39	54.94	126.85
5225.00	0.75	109.08	5224.37	-31.48	-33.03	44.30	0.55	55.26	126.71
5250.00	0.66	111.00	5249.37	-31.58	-33.14	44.59	0.38	55.55	126.62
5275.00	0.55	127.81	5274.37	-31.69	-33.26	44.82	0.84	55.81	126.58
5300.00	0.47	133.96	5299.37	-31.83	-33.41	44.99	0.40	56.03	126.60
5325.00	0.45	136.04	5324.37	-31.97	-33.55	45.13	0.09	56.23	126.63
5350.00	0.48	138.52	5349.37	-32.11	-33.70	45.26	0.16	56.43	126.67
5375.00	0.51	122.75	5374.37	-32.25	-33.84	45.43	0.56	56.65	126.68
5400.00	0.59	130.31	5399.37	-32.38	-33.98	45.62	0.42	56.89	126.68
5425.00	0.67	126.99	5424.36	-32.55	-34.15	45.84	0.37	57.16	126.69
5450.00	0.56	120.87	5449.36	-32.69	-34.30	46.06	0.53	57.43	126.68
5475.00	0.62	130.26	5474.36	-32.83	-34.45	46.27	0.45	57.68	126.67
5500.00	0.58	135.66	5499.36	-33.00	-34.63	46.46	0.28	57.94	126.70
5525.00	0.54	126.71	5524.36	-33.16	-34.79	46.64	0.37	58.18	126.72
5550.00	0.63	115.99	5549.36	-33.28	-34.92	46.86	0.56	58.44	126.70
5575.00	0.57	136.16	5574.36	-33.42	-35.07	47.07	0.87	58.70	126.69
5600.00	0.52	125.85	5599.35	-33.57	-35.23	47.25	0.44	58.93	126.71
5625.00	0.53	129.09	5624.35	-33.71	-35.37	47.43	0.12	59.16	126.71
5650.00	0.58	142.62	5649.35	-33.88	-35.54	47.60	0.55	59.40	126.75

SURVEY REPORT

FEZ FEDERAL COM #701H

COMPUTED KEEPER GYRO WIRELINE 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	0.55	143.69	5674.35	-34.07	-35.74	47.74	0.13	59.64	126.82
5700.00	0.45	140.88	5699.35	-34.23	-35.91	47.88	0.39	59.85	126.87
5725.00	0.43	137.43	5724.35	-34.38	-36.06	48.00	0.13	60.04	126.91
5750.00	0.52	115.94	5749.35	-34.49	-36.18	48.17	0.78	60.24	126.91
5775.00	0.59	137.13	5774.35	-34.63	-36.32	48.36	0.87	60.48	126.91
5800.00	0.48	144.14	5799.35	-34.80	-36.50	48.51	0.52	60.71	126.96
5825.00	0.50	133.81	5824.35	-34.96	-36.66	48.65	0.37	60.91	127.00
5850.00	0.78	121.23	5849.34	-35.11	-36.82	48.87	1.23	61.19	127.00
5875.00	1.22	114.73	5874.34	-35.30	-37.02	49.26	1.83	61.62	126.93
5900.00	1.79	117.24	5899.33	-35.57	-37.32	49.85	2.30	62.27	126.82
5925.00	1.87	112.33	5924.32	-35.88	-37.65	50.58	0.70	63.05	126.66
5950.00	1.93	107.06	5949.30	-36.13	-37.93	51.36	0.73	63.84	126.45
5975.00	2.05	109.34	5974.29	-36.37	-38.20	52.18	0.59	64.67	126.21
6000.00	2.04	110.41	5999.27	-36.65	-38.50	53.02	0.16	65.53	125.99
6025.00	2.05	108.34	6024.26	-36.92	-38.80	53.86	0.30	66.38	125.77
6050.00	2.40	105.43	6049.24	-37.16	-39.08	54.79	1.50	67.30	125.50
6075.00	2.43	108.60	6074.22	-37.44	-39.39	55.80	0.54	68.30	125.22
6100.00	2.41	106.35	6099.19	-37.72	-39.70	56.80	0.38	69.30	124.95
6125.00	2.66	110.16	6124.17	-38.03	-40.05	57.85	1.21	70.36	124.70
6150.00	3.17	114.95	6149.14	-38.48	-40.54	59.02	2.25	71.61	124.49
6175.00	3.39	116.66	6174.10	-39.06	-41.17	60.31	0.96	73.02	124.32
6200.00	3.50	114.60	6199.05	-39.66	-41.82	61.66	0.66	74.50	124.14
6225.00	3.51	118.89	6224.00	-40.30	-42.50	63.03	1.05	76.02	123.99
6250.00	3.49	116.89	6248.96	-40.97	-43.22	64.38	0.49	77.54	123.87
6275.00	3.48	114.68	6273.91	-41.58	-43.88	65.74	0.54	79.04	123.72
6300.00	3.59	115.31	6298.86	-42.18	-44.53	67.14	0.47	80.56	123.55
6325.00	3.57	116.53	6323.82	-42.82	-45.21	68.54	0.31	82.11	123.41
6350.00	3.57	117.06	6348.77	-43.47	-45.91	69.93	0.13	83.66	123.29
6375.00	3.47	116.33	6373.72	-44.11	-46.60	71.30	0.41	85.18	123.17
6400.00	3.56	115.11	6398.67	-44.73	-47.27	72.69	0.46	86.70	123.04
6425.00	4.34	117.23	6423.61	-45.44	-48.03	74.23	3.17	88.41	122.90
6450.00	4.72	119.02	6448.54	-46.31	-48.96	75.97	1.65	90.38	122.80

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	4.81	119.53	6473.45	-47.26	-49.98	77.78	0.37	92.45	122.72
6500.00	4.74	119.52	6498.36	-48.22	-51.00	79.59	0.27	94.53	122.65
6525.00	4.78	119.20	6523.28	-49.18	-52.02	81.40	0.21	96.60	122.58
6550.00	4.80	120.55	6548.19	-50.15	-53.06	83.21	0.46	98.69	122.52
6575.00	4.93	120.74	6573.10	-51.17	-54.14	85.03	0.49	100.81	122.48
6600.00	4.84	121.06	6598.01	-52.20	-55.23	86.86	0.35	102.94	122.45
6625.00	4.65	119.52	6622.92	-53.18	-56.28	88.65	0.93	105.00	122.41
6650.00	4.81	119.59	6647.84	-54.13	-57.29	90.44	0.62	107.06	122.35
6675.00	4.73	120.61	6672.75	-55.11	-58.34	92.24	0.45	109.14	122.31
6700.00	4.71	121.42	6697.67	-56.11	-59.40	94.00	0.29	111.20	122.29
6725.00	4.65	119.32	6722.58	-57.08	-60.43	95.76	0.73	113.23	122.25
6750.00	4.76	121.50	6747.50	-58.06	-61.46	97.53	0.83	115.28	122.22
6775.00	4.65	121.32	6772.41	-59.07	-62.53	99.28	0.44	117.33	122.21
6800.00	4.57	119.61	6797.33	-60.02	-63.55	101.01	0.63	119.34	122.18
6825.00	4.64	118.74	6822.25	-60.94	-64.53	102.76	0.40	121.34	122.13
6850.00	4.51	121.08	6847.17	-61.88	-65.52	104.49	0.91	123.34	122.09
6875.00	4.25	119.34	6872.10	-62.78	-66.49	106.14	1.20	125.24	122.06
6900.00	4.32	120.40	6897.03	-63.65	-67.42	107.76	0.45	127.11	122.03
6925.00	4.11	120.62	6921.96	-64.53	-68.35	109.34	0.88	128.95	122.01
6950.00	4.19	123.26	6946.90	-65.43	-69.31	110.88	0.84	130.76	122.01
6975.00	3.98	122.07	6971.83	-66.34	-70.27	112.38	0.92	132.54	122.02
7000.00	3.91	118.11	6996.77	-67.15	-71.13	113.86	1.12	134.25	121.99
7025.00	3.82	120.52	7021.72	-67.93	-71.95	115.33	0.76	135.94	121.96
7050.00	3.64	118.47	7046.66	-68.68	-72.75	116.75	0.89	137.56	121.93
7075.00	3.51	119.49	7071.62	-69.38	-73.51	118.11	0.56	139.12	121.90
7100.00	3.46	118.98	7096.57	-70.08	-74.25	119.44	0.24	140.64	121.87
7125.00	3.42	118.69	7121.52	-70.76	-74.98	120.75	0.20	142.13	121.84
7150.00	3.39	117.20	7146.48	-71.41	-75.67	122.06	0.37	143.61	121.80
7175.00	3.39	114.65	7171.44	-72.01	-76.32	123.39	0.60	145.08	121.74
7200.00	3.52	110.80	7196.39	-72.54	-76.90	124.78	1.05	146.57	121.64
7225.00	3.62	110.46	7221.34	-73.04	-77.45	126.24	0.42	148.10	121.53
7250.00	3.68	110.25	7246.29	-73.54	-78.00	127.73	0.23	149.66	121.41

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	3.61	111.16	7271.24	-74.05	-78.56	129.21	0.34	151.22	121.30
7300.00	3.56	111.30	7296.19	-74.56	-79.13	130.67	0.23	152.76	121.20
7325.00	3.58	111.90	7321.14	-75.09	-79.70	132.12	0.18	154.30	121.10
7350.00	3.31	111.08	7346.10	-75.59	-80.25	133.52	1.13	155.78	121.01
7375.00	3.16	112.15	7371.06	-76.06	-80.77	134.83	0.62	157.17	120.92
7400.00	3.14	111.82	7396.02	-76.53	-81.28	136.10	0.14	158.53	120.85
7425.00	3.15	112.25	7420.98	-77.00	-81.80	137.37	0.11	159.88	120.77
7450.00	3.21	110.08	7445.94	-77.46	-82.30	138.67	0.54	161.25	120.69
7475.00	3.30	110.25	7470.90	-77.90	-82.79	140.00	0.39	162.65	120.60
7500.00	3.69	115.49	7495.86	-78.45	-83.38	141.40	2.02	164.16	120.53
7525.00	3.83	117.62	7520.80	-79.13	-84.12	142.87	0.79	165.79	120.49
7550.00	3.79	117.69	7545.75	-79.85	-84.89	144.34	0.19	167.45	120.46
7575.00	3.76	117.37	7570.69	-80.56	-85.65	145.80	0.14	169.10	120.43
7600.00	3.79	116.38	7595.64	-81.25	-86.39	147.27	0.28	170.74	120.40
7625.00	3.75	116.33	7620.59	-81.93	-87.12	148.74	0.14	172.38	120.36
7650.00	3.56	116.75	7645.54	-82.60	-87.84	150.17	0.77	173.97	120.32
7675.00	3.31	117.47	7670.49	-83.23	-88.52	151.50	1.02	175.46	120.30
7700.00	3.21	119.22	7695.45	-83.86	-89.19	152.75	0.56	176.89	120.28
7725.00	3.22	118.87	7720.41	-84.50	-89.87	153.98	0.09	178.29	120.27
7750.00	3.27	117.51	7745.37	-85.13	-90.54	155.23	0.37	179.70	120.25
7775.00	3.37	121.48	7770.33	-85.79	-91.26	156.48	1.00	181.15	120.25
7800.00	3.34	122.26	7795.29	-86.52	-92.03	157.73	0.21	182.61	120.26
7825.00	3.28	120.85	7820.24	-87.24	-92.78	158.96	0.40	184.05	120.27
7850.00	3.23	119.50	7845.20	-87.91	-93.50	160.18	0.37	185.48	120.27
7875.00	3.06	118.73	7870.17	-88.53	-94.17	161.38	0.70	186.85	120.26
7900.00	2.93	119.75	7895.13	-89.13	-94.80	162.53	0.57	188.15	120.26
7925.00	2.84	120.11	7920.10	-89.72	-95.43	163.62	0.37	189.41	120.25
7950.00	2.86	118.45	7945.07	-90.29	-96.04	164.70	0.34	190.66	120.25
7975.00	3.16	116.07	7970.03	-90.85	-96.64	165.87	1.28	191.97	120.23
8000.00	3.26	117.66	7995.00	-91.44	-97.27	167.12	0.54	193.36	120.20
8025.00	3.35	116.02	8019.95	-92.05	-97.92	168.40	0.52	194.80	120.18
8050.00	3.62	113.47	8044.91	-92.63	-98.56	169.78	1.25	196.31	120.14

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	3.83	110.93	8069.85	-93.19	-99.17	171.29	1.08	197.92	120.07
8100.00	3.97	111.40	8094.80	-93.75	-99.78	172.87	0.57	199.60	119.99
8125.00	3.97	111.96	8119.74	-94.34	-100.42	174.48	0.16	201.32	119.92
8150.00	3.84	112.29	8144.68	-94.92	-101.06	176.06	0.50	203.00	119.86
8175.00	3.63	110.72	8169.63	-95.47	-101.66	177.57	0.95	204.61	119.79
8200.00	3.36	109.99	8194.58	-95.95	-102.19	179.00	1.08	206.12	119.72
8225.00	3.35	109.65	8219.54	-96.40	-102.69	180.38	0.09	207.56	119.65
8250.00	3.32	111.12	8244.49	-96.86	-103.20	181.74	0.36	209.00	119.59
8275.00	3.26	109.03	8269.45	-97.30	-103.69	183.09	0.55	210.41	119.52
8300.00	3.23	109.69	8294.41	-97.72	-104.16	184.43	0.18	211.81	119.46
8325.00	3.51	108.77	8319.37	-98.16	-104.64	185.81	1.12	213.25	119.39
8350.00	4.22	107.55	8344.31	-98.63	-105.17	187.41	2.88	214.90	119.30
8375.00	4.27	108.10	8369.24	-99.13	-105.73	189.18	0.26	216.72	119.20
8400.00	4.23	107.74	8394.17	-99.64	-106.30	190.94	0.19	218.54	119.11
8425.00	4.24	105.64	8419.11	-100.11	-106.83	192.71	0.62	220.34	119.00
8450.00	4.36	106.46	8444.04	-100.57	-107.35	194.51	0.52	222.17	118.89
8475.00	4.25	107.67	8468.97	-101.05	-107.90	196.31	0.56	224.01	118.80
8500.00	4.07	108.01	8493.90	-101.55	-108.46	198.03	0.71	225.79	118.71
8525.00	3.95	107.68	8518.84	-102.03	-108.99	199.70	0.51	227.51	118.63
8550.00	3.93	109.01	8543.78	-102.51	-109.53	201.33	0.38	229.19	118.55
8575.00	3.89	108.69	8568.72	-103.01	-110.08	202.94	0.17	230.87	118.48
8600.00	3.92	108.94	8593.66	-103.50	-110.63	204.55	0.13	232.55	118.41
8625.00	4.05	111.11	8618.60	-104.04	-111.23	206.18	0.79	234.27	118.35
8650.00	4.22	111.38	8643.54	-104.63	-111.88	207.86	0.70	236.06	118.29
8675.00	4.30	112.07	8668.47	-105.26	-112.57	209.59	0.36	237.90	118.24
8700.00	4.22	111.63	8693.40	-105.89	-113.26	211.31	0.33	239.75	118.19
8725.00	4.19	111.99	8718.33	-106.51	-113.94	213.01	0.16	241.57	118.14
8750.00	4.23	112.64	8743.26	-107.15	-114.64	214.71	0.24	243.39	118.10
8775.00	4.12	114.92	8768.20	-107.82	-115.37	216.37	0.79	245.21	118.07
8800.00	3.90	116.27	8793.14	-108.52	-116.12	217.95	0.95	246.95	118.05
8825.00	3.70	115.68	8818.08	-109.20	-116.85	219.44	0.82	248.61	118.04
8850.00	3.73	115.90	8843.03	-109.85	-117.55	220.89	0.15	250.23	118.02

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
8875.00	3.58	118.89	8867.98	-110.53	-118.29	222.31	0.98	251.82	118.02
8900.00	3.48	120.19	8892.93	-111.25	-119.04	223.65	0.50	253.36	118.03
8925.00	3.31	122.85	8917.89	-111.98	-119.82	224.91	0.92	254.84	118.05
8950.00	3.20	125.94	8942.85	-112.74	-120.62	226.08	0.85	256.25	118.08
8975.00	3.16	124.93	8967.81	-113.50	-121.42	227.21	0.27	257.62	118.12
9000.00	3.14	129.36	8992.77	-114.29	-122.25	228.30	0.97	258.98	118.17
9025.00	3.09	129.39	9017.73	-115.12	-123.11	229.36	0.19	260.31	118.23
9050.00	3.27	133.11	9042.70	-115.99	-124.03	230.40	1.08	261.66	118.29
9075.00	3.22	136.97	9067.66	-116.96	-125.03	231.40	0.89	263.01	118.38
9100.00	3.12	140.09	9092.62	-117.96	-126.06	232.31	0.81	264.31	118.49
9125.00	3.26	142.60	9117.58	-119.02	-127.15	233.18	0.79	265.59	118.60
9150.00	3.31	149.14	9142.54	-120.17	-128.33	233.98	1.51	266.86	118.74
9175.00	3.21	151.54	9167.50	-121.38	-129.57	234.69	0.67	268.08	118.90
9200.00	3.24	152.28	9192.46	-122.60	-130.81	235.35	0.19	269.26	119.07
9225.00	3.25	154.06	9217.42	-123.84	-132.07	235.99	0.40	270.43	119.23
9250.00	3.28	159.94	9242.38	-125.13	-133.38	236.54	1.35	271.55	119.42
9275.00	3.34	164.36	9267.34	-126.48	-134.75	236.98	1.05	272.62	119.62
9300.00	3.25	166.31	9292.29	-127.86	-136.14	237.35	0.59	273.62	119.84
9325.00	3.19	165.78	9317.26	-129.21	-137.51	237.69	0.25	274.60	120.05
9350.00	3.33	168.29	9342.21	-130.59	-138.89	238.00	0.80	275.57	120.27
9375.00	3.30	169.15	9367.17	-132.00	-140.31	238.29	0.23	276.53	120.49
9400.00	3.38	166.03	9392.13	-133.41	-141.74	238.60	0.80	277.52	120.71
9425.00	3.48	169.48	9417.09	-134.86	-143.20	238.92	0.91	278.55	120.94
9450.00	3.33	170.17	9442.04	-136.31	-144.66	239.18	0.61	279.52	121.17
9475.00	3.19	170.75	9467.00	-137.70	-146.06	239.42	0.58	280.45	121.39
9500.00	3.05	168.60	9491.96	-139.03	-147.40	239.66	0.73	281.36	121.59
9525.00	3.01	170.27	9516.93	-140.32	-148.70	239.90	0.38	282.25	121.79
9550.00	2.87	171.90	9541.90	-141.58	-149.97	240.10	0.68	283.09	121.99
9575.00	2.70	172.04	9566.87	-142.78	-151.17	240.27	0.67	283.87	122.18
9600.00	2.42	169.86	9591.84	-143.87	-152.27	240.45	1.18	284.61	122.35
9625.00	2.32	166.94	9616.82	-144.88	-153.29	240.65	0.63	285.33	122.50
9650.00	2.29	169.70	9641.80	-145.86	-154.27	240.86	0.46	286.03	122.64

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
9675.00	2.01	170.21	9666.78	-146.77	-155.19	241.02	1.14	286.66	122.78
9700.00	1.83	170.44	9691.77	-147.59	-156.02	241.16	0.70	287.23	122.90
9725.00	1.55	167.33	9716.76	-148.31	-156.74	241.30	1.20	287.74	123.01
9750.00	1.49	166.41	9741.75	-148.95	-157.39	241.45	0.26	288.22	123.10
9775.00	1.47	170.14	9766.74	-149.58	-158.02	241.58	0.39	288.67	123.19
9800.00	1.34	175.94	9791.73	-150.18	-158.62	241.66	0.77	289.07	123.28
9825.00	1.16	177.72	9816.73	-150.72	-159.17	241.69	0.74	289.39	123.37
9850.00	1.14	169.69	9841.72	-151.22	-159.67	241.74	0.65	289.71	123.44
9875.00	1.17	171.29	9866.72	-151.71	-160.16	241.83	0.18	290.06	123.52
9900.00	1.08	175.90	9891.71	-152.20	-160.65	241.88	0.52	290.37	123.59
9925.00	0.91	175.88	9916.71	-152.63	-161.08	241.91	0.68	290.64	123.66
9950.00	0.82	178.97	9941.70	-153.00	-161.46	241.93	0.37	290.86	123.72
9975.00	0.77	184.04	9966.70	-153.35	-161.80	241.92	0.37	291.04	123.78
10000.00	0.58	192.63	9991.70	-153.64	-162.09	241.88	0.85	291.17	123.83
10025.00	0.50	204.11	10016.70	-153.86	-162.32	241.81	0.54	291.24	123.87
10050.00	0.50	219.53	10041.70	-154.05	-162.50	241.70	0.53	291.24	123.91
10075.00	0.45	236.06	10066.70	-154.20	-162.64	241.55	0.58	291.20	123.95
10100.00	0.52	261.52	10091.70	-154.27	-162.71	241.35	0.90	291.08	123.99
10125.00	0.57	267.41	10116.70	-154.30	-162.73	241.12	0.30	290.89	124.02
10150.00	0.61	272.18	10141.69	-154.31	-162.73	240.86	0.24	290.68	124.04
10175.00	0.62	278.95	10166.69	-154.30	-162.71	240.59	0.29	290.44	124.07
10200.00	0.64	286.74	10191.69	-154.24	-162.65	240.32	0.36	290.19	124.09
10225.00	0.69	291.66	10216.69	-154.16	-162.55	240.05	0.29	289.91	124.10
10250.00	0.74	287.32	10241.69	-154.07	-162.45	239.76	0.30	289.61	124.12
10275.00	0.78	286.42	10266.69	-153.98	-162.35	239.44	0.16	289.29	124.14
10300.00	0.74	280.01	10291.68	-153.92	-162.28	239.12	0.37	288.99	124.16
10325.00	0.66	287.02	10316.68	-153.86	-162.21	238.83	0.47	288.70	124.18
10350.00	0.64	290.42	10341.68	-153.78	-162.11	238.56	0.17	288.43	124.20
10375.00	0.75	288.19	10366.68	-153.69	-162.02	238.27	0.48	288.14	124.21
10400.00	0.79	289.46	10391.68	-153.59	-161.91	237.96	0.15	287.81	124.23
10425.00	0.77	282.81	10416.67	-153.51	-161.81	237.63	0.37	287.49	124.25
10450.00	0.70	289.28	10441.67	-153.43	-161.72	237.32	0.45	287.19	124.27

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	0.69	287.38	10466.67	-153.34	-161.63	237.04	0.09	286.90	124.29
10500.00	0.83	285.91	10491.67	-153.26	-161.54	236.72	0.55	286.58	124.31
10525.00	0.81	279.51	10516.67	-153.19	-161.46	236.37	0.37	286.25	124.34
10550.00	0.72	279.02	10541.66	-153.15	-161.40	236.04	0.38	285.95	124.36
10575.00	0.93	288.43	10566.66	-153.07	-161.31	235.69	1.01	285.61	124.39
10600.00	1.08	285.65	10591.66	-152.96	-161.19	235.27	0.63	285.19	124.42
10625.00	1.01	282.87	10616.65	-152.86	-161.07	234.83	0.36	284.77	124.45
10650.00	1.11	288.05	10641.65	-152.76	-160.95	234.39	0.57	284.33	124.48
10675.00	1.16	283.23	10666.64	-152.64	-160.82	233.91	0.43	283.86	124.51
10700.00	1.09	286.82	10691.64	-152.53	-160.69	233.44	0.39	283.40	124.54
10725.00	1.23	285.82	10716.63	-152.40	-160.55	232.95	0.57	282.92	124.57
10750.00	1.11	285.48	10741.63	-152.28	-160.41	232.46	0.50	282.43	124.61
10775.00	1.25	283.94	10766.62	-152.17	-160.28	231.96	0.56	281.95	124.64
10800.00	1.16	288.83	10791.62	-152.04	-160.13	231.46	0.55	281.45	124.68
10825.00	1.15	288.74	10816.61	-151.89	-159.97	230.98	0.03	280.97	124.71
10850.00	1.32	284.85	10841.61	-151.76	-159.82	230.47	0.76	280.46	124.74
10875.00	1.21	279.77	10866.60	-151.66	-159.70	229.93	0.63	279.95	124.78
10900.00	1.37	281.04	10891.59	-151.58	-159.60	229.38	0.64	279.44	124.83
10925.00	1.27	286.20	10916.59	-151.46	-159.46	228.82	0.62	278.90	124.87
10950.00	1.36	282.41	10941.58	-151.34	-159.32	228.26	0.52	278.36	124.91
10975.00	1.46	281.89	10966.57	-151.23	-159.19	227.66	0.38	277.80	124.96
11000.00	1.60	280.84	10991.56	-151.12	-159.06	227.01	0.59	277.19	125.02
11025.00	2.16	277.52	11016.55	-151.02	-158.93	226.19	2.28	276.45	125.09
11050.00	2.71	277.40	11041.53	-150.92	-158.79	225.14	2.19	275.51	125.20
11075.00	3.28	273.88	11066.49	-150.84	-158.67	223.84	2.39	274.37	125.33
11100.00	3.64	279.88	11091.45	-150.71	-158.49	222.35	2.04	273.05	125.48
11125.00	4.22	278.25	11116.39	-150.50	-158.22	220.65	2.34	271.52	125.64
11150.00	4.61	277.63	11141.32	-150.30	-157.95	218.75	1.59	269.82	125.83
11175.00	5.02	278.70	11166.23	-150.07	-157.65	216.67	1.68	267.96	126.04
11200.00	5.60	278.43	11191.12	-149.81	-157.31	214.38	2.32	265.91	126.27
11225.00	5.78	279.54	11216.00	-149.51	-156.92	211.93	0.85	263.71	126.52
11250.00	5.97	279.59	11240.86	-149.17	-156.50	209.41	0.77	261.43	126.77

SURVEY REPORT

FEZ FEDERAL COM #701H

COMPUTED KEEPER GYRO WIRELINE 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	6.17	279.19	11265.72	-148.83	-156.06	206.80	0.82	259.08	127.04
11300.00	6.37	280.63	11290.57	-148.45	-155.59	204.11	0.99	256.65	127.32
11325.00	6.51	280.95	11315.42	-148.02	-155.07	201.36	0.61	254.15	127.60
11350.00	6.40	281.09	11340.26	-147.58	-154.53	198.60	0.45	251.64	127.89
11375.00	6.03	282.44	11365.11	-147.12	-153.98	195.94	1.59	249.21	128.16
11400.00	6.00	284.54	11389.97	-146.60	-153.37	193.40	0.89	246.83	128.42
11425.00	5.91	285.47	11414.84	-146.01	-152.70	190.89	0.54	244.45	128.66
11450.00	5.61	285.61	11439.71	-145.42	-152.03	188.48	1.19	242.15	128.89
11475.00	5.42	285.38	11464.60	-144.86	-151.38	186.16	0.75	239.94	129.12
11500.00	5.39	283.54	11489.49	-144.35	-150.80	183.88	0.71	237.81	129.35
11525.00	5.04	284.70	11514.38	-143.88	-150.24	181.68	1.44	235.75	129.59
11550.00	4.76	287.55	11539.29	-143.36	-149.65	179.63	1.50	233.80	129.80
11575.00	4.56	286.10	11564.21	-142.84	-149.06	177.68	0.91	231.93	129.99
11600.00	4.58	287.99	11589.13	-142.32	-148.48	175.78	0.60	230.10	130.19
11625.00	4.58	294.65	11614.05	-141.66	-147.76	173.92	2.13	228.21	130.35
11648.00	4.43	291.32	11636.98	-141.01	-147.05	172.26	1.31	226.49	130.49