

COG

FEX FEDERAL COM #703H

PRECISION 595

2/18/2019

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

JAKE ELGER

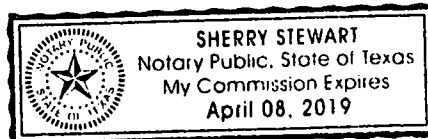
Notarized this date 05 of MARCH, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



HOBBS OGD
DEC 05 2019
RECEIVED

Scientific Drilling

The 3211-1-18 4-11-18 In Wellbore Placement

SURVEY REPORT

FEX FEDERAL COM #703H

KEEPER GYRO SURVEY

CUSTOMER	COG	SDI JOB NO.	OP.016689
PROJECT	Fez Federal Com #703H Keeper Gyro survey	SDI DISTRICT	Midland
FIELD	N/A	SDI KIT/UNIT	

SITE INFORMATION

Site Name	Lea County, New Mexico	Section
Lat/Long	32.1382806° N, 103.3771486° W	Township
Northing	415,342.2 ft	Range
Easting	795,972.5 ft	

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**

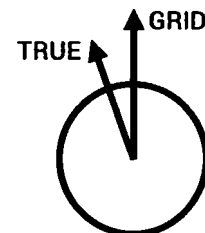
Lat/Long	32.1382807° N, 103.3771486° W
Northing	415,342.5 ft
Easting	796,002.6 ft
UWI	30-025-45279

DEPTH AND ELEVATION REFERENCE

Ground Level	3250.6 ft above Mean Sea Level
Reference Datum	RKB
Reference Height	25 ft above G.L.
Reference Elevation	3275.6 ft

VERTICAL SECTION REFERENCE

+N/-S	0 ft
+E/-W	0 ft
Proposal Direction	0.85°
Calculation Method	Minimum Curvature

**LOCAL GRAVITY REFERENCE INFORMATION**

Local Gravity	998.508 mG [computed]
True to Grid	subtract 0.51°

WELL NOTES

Fez Federal Com #703H Keeper Gyro survey

OPERATORS

Jeffrey Loyd

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	260.71	100.00	-0.09	-0.08	-0.49	0.57	0.50	260.71
124.08	0.55	267.91	124.08	-0.11	-0.10	-0.72	0.31	0.73	261.84
147.61	0.45	275.62	147.60	-0.11	-0.10	-0.93	0.51	0.93	263.91
171.78	0.51	271.26	171.78	-0.10	-0.09	-1.13	0.31	1.13	265.58
197.54	0.58	267.19	197.53	-0.11	-0.09	-1.37	0.30	1.38	266.21
222.93	0.66	271.75	222.92	-0.12	-0.09	-1.65	0.37	1.65	266.78
247.80	0.75	263.81	247.79	-0.13	-0.11	-1.95	0.52	1.96	266.90
273.54	0.71	263.91	273.53	-0.17	-0.14	-2.28	0.16	2.28	266.46
299.03	0.68	267.69	299.02	-0.20	-0.16	-2.59	0.20	2.59	266.38
323.89	0.72	262.81	323.88	-0.23	-0.19	-2.89	0.28	2.89	266.26
349.61	0.76	266.96	349.60	-0.27	-0.22	-3.22	0.28	3.22	266.12
375.10	0.85	270.08	375.08	-0.28	-0.23	-3.57	0.38	3.58	266.37
399.92	1.08	275.62	399.90	-0.26	-0.20	-3.99	1.02	4.00	267.08
421.41	1.14	271.28	421.38	-0.24	-0.18	-4.41	0.47	4.41	267.68
446.58	1.15	269.47	446.54	-0.25	-0.18	-4.91	0.15	4.91	267.95
474.93	1.16	267.23	474.89	-0.27	-0.19	-5.48	0.16	5.49	267.99
500.04	1.31	268.90	499.99	-0.30	-0.21	-6.02	0.62	6.03	268.00
524.91	1.39	270.31	524.86	-0.31	-0.21	-6.61	0.33	6.61	268.15
549.17	1.45	271.64	549.11	-0.31	-0.20	-7.21	0.27	7.21	268.38
574.14	1.56	274.87	574.07	-0.28	-0.17	-7.86	0.59	7.87	268.79
599.10	1.74	273.27	599.02	-0.24	-0.12	-8.58	0.72	8.58	269.23
623.32	1.75	270.56	623.23	-0.23	-0.09	-9.32	0.34	9.32	269.44
648.41	1.70	271.36	648.31	-0.23	-0.08	-10.07	0.22	10.07	269.56
673.07	1.70	272.18	672.96	-0.22	-0.06	-10.80	0.10	10.80	269.71
697.25	1.68	275.78	697.13	-0.18	-0.01	-11.51	0.45	11.51	269.97
722.28	1.61	273.32	722.15	-0.13	0.05	-12.23	0.39	12.23	270.24
747.20	1.63	274.60	747.06	-0.09	0.10	-12.93	0.16	12.93	270.44
771.26	1.57	267.47	771.11	-0.09	0.11	-13.60	0.86	13.60	270.47
796.27	1.16	260.96	796.11	-0.15	0.06	-14.19	1.74	14.19	270.23
821.16	0.90	254.44	821.00	-0.25	-0.03	-14.63	1.15	14.63	269.87
849.15	0.88	248.64	848.99	-0.39	-0.17	-15.04	0.33	15.04	269.35

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
874.02	0.73	245.56	873.85	-0.53	-0.31	-15.36	0.62	15.36	268.86
899.14	0.70	249.69	898.97	-0.66	-0.42	-15.65	0.23	15.65	268.44
923.06	0.70	253.76	922.89	-0.75	-0.52	-15.93	0.21	15.93	268.14
948.04	0.56	245.10	947.87	-0.85	-0.61	-16.18	0.67	16.19	267.84
972.91	0.27	236.44	972.74	-0.94	-0.69	-16.34	1.21	16.36	267.57
996.93	0.33	247.17	996.76	-1.00	-0.75	-16.45	0.34	16.47	267.38
1021.91	0.19	215.25	1021.73	-1.06	-0.81	-16.54	0.78	16.56	267.19
1046.88	0.19	202.62	1046.71	-1.13	-0.89	-16.58	0.17	16.61	266.94
1070.78	0.16	181.18	1070.61	-1.20	-0.96	-16.60	0.32	16.63	266.70
1099.71	0.17	219.11	1099.54	-1.28	-1.03	-16.63	0.37	16.66	266.46
1124.65	0.17	166.45	1124.48	-1.34	-1.09	-16.64	0.61	16.68	266.24
1149.57	0.09	134.85	1149.39	-1.39	-1.14	-16.62	0.44	16.66	266.06
1172.96	0.09	160.00	1172.79	-1.42	-1.17	-16.60	0.17	16.64	265.96
1197.35	0.10	164.23	1197.18	-1.46	-1.21	-16.59	0.03	16.63	265.83
1221.73	0.16	176.63	1221.56	-1.51	-1.26	-16.58	0.29	16.63	265.64
1249.13	0.14	167.81	1248.95	-1.58	-1.34	-16.57	0.11	16.62	265.39
1273.26	0.19	178.62	1273.08	-1.65	-1.40	-16.56	0.23	16.62	265.15
1297.61	0.33	137.74	1297.43	-1.74	-1.50	-16.52	0.92	16.58	264.82
1321.12	0.38	136.18	1320.95	-1.85	-1.60	-16.42	0.23	16.49	264.43
1349.17	1.35	118.23	1348.99	-2.06	-1.83	-16.06	3.56	16.16	263.51
1373.48	1.95	119.59	1373.29	-2.40	-2.17	-15.45	2.48	15.60	262.02
1398.36	2.84	118.54	1398.15	-2.89	-2.67	-14.54	3.55	14.78	259.59
1421.85	3.25	114.93	1421.60	-3.43	-3.23	-13.42	1.94	13.81	256.48
1449.97	4.07	114.16	1449.67	-4.15	-3.97	-11.79	2.93	12.44	251.38
1473.34	4.88	110.67	1472.97	-4.81	-4.66	-10.10	3.64	11.13	245.22
1496.79	5.15	110.14	1496.33	-5.50	-5.38	-8.18	1.16	9.79	236.68
1524.26	5.80	107.97	1523.67	-6.31	-6.23	-5.70	2.50	8.45	222.47
1546.11	5.82	110.50	1545.40	-7.01	-6.96	-3.62	1.17	7.84	207.45
1572.60	5.95	109.27	1571.76	-7.90	-7.88	-1.06	0.69	7.95	187.65
1598.21	5.92	109.64	1597.23	-8.74	-8.77	1.44	0.19	8.88	170.68
1624.45	5.99	109.34	1623.33	-9.61	-9.67	4.00	0.27	10.47	157.51
1645.73	6.02	111.04	1644.49	-10.35	-10.44	6.09	0.85	12.09	149.73

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
1672.20	6.12	109.96	1670.82	-11.29	-11.42	8.71	0.57	14.37	142.66
1698.54	6.11	109.95	1697.00	-12.21	-12.38	11.35	0.03	16.80	137.48
1724.11	6.23	110.12	1722.43	-13.11	-13.32	13.93	0.49	19.28	133.71
1746.26	6.34	111.80	1744.45	-13.95	-14.19	16.20	0.96	21.53	131.22
1773.99	6.52	113.26	1772.00	-15.09	-15.38	19.07	0.89	24.49	128.89
1798.67	6.86	118.83	1796.51	-16.32	-16.64	21.64	2.97	27.30	127.56
1820.94	6.90	119.47	1818.62	-17.59	-17.94	23.98	0.38	29.95	126.81
1847.22	7.06	122.46	1844.71	-19.19	-19.59	26.71	1.51	33.12	126.25
1872.00	7.01	123.16	1869.30	-20.80	-21.23	29.26	0.40	36.16	125.96
1897.95	7.13	122.27	1895.05	-22.48	-22.96	31.95	0.61	39.34	125.70
1923.65	7.03	123.06	1920.56	-24.15	-24.67	34.62	0.53	42.51	125.47
1948.59	7.07	123.11	1945.31	-25.78	-26.34	37.18	0.15	45.57	125.31
1974.53	7.03	126.43	1971.05	-27.56	-28.15	39.80	1.58	48.75	125.28
1999.98	6.85	129.89	1996.31	-29.42	-30.05	42.21	1.79	51.82	125.45
2022.43	6.46	135.90	2018.62	-31.16	-31.82	44.12	3.53	54.40	125.80
2047.36	6.52	137.25	2043.39	-33.18	-33.86	46.06	0.66	57.17	126.32
2072.91	6.50	137.85	2068.77	-35.29	-36.00	48.01	0.28	60.01	126.86
2098.46	6.55	138.86	2094.15	-37.43	-38.17	49.94	0.48	62.86	127.39
2123.62	6.65	138.75	2119.15	-39.57	-40.35	51.85	0.40	65.70	127.89
2149.16	6.43	139.83	2144.52	-41.75	-42.55	53.75	0.99	68.55	128.37
2170.00	6.64	139.31	2165.23	-43.53	-44.36	55.28	1.04	70.88	128.74
2195.65	6.63	139.23	2190.70	-45.75	-46.60	57.22	0.04	73.79	129.16
2221.43	6.71	140.58	2216.31	-48.01	-48.89	59.15	0.67	76.74	129.58
2246.21	6.51	143.37	2240.92	-50.23	-51.14	60.90	1.52	79.53	130.02
2271.84	6.66	143.70	2266.39	-52.57	-53.50	62.65	0.60	82.39	130.50
2297.60	6.56	144.71	2291.98	-54.95	-55.91	64.38	0.58	85.27	130.97
2322.39	6.47	145.99	2316.60	-57.24	-58.22	65.98	0.69	88.00	131.42
2348.03	6.56	144.87	2342.08	-59.61	-60.62	67.64	0.59	90.83	131.87
2373.79	6.51	145.56	2367.67	-61.99	-63.03	69.31	0.35	93.68	132.28
2398.56	6.59	145.32	2392.28	-64.30	-65.36	70.91	0.32	96.44	132.67
2424.20	6.14	145.32	2417.76	-66.61	-67.69	72.53	1.76	99.21	133.02
2449.96	5.97	145.81	2443.37	-68.83	-69.93	74.06	0.69	101.86	133.36

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
2474.73	5.79	144.77	2468.02	-70.89	-72.02	75.51	0.85	104.35	133.64
2496.30	5.77	144.40	2489.48	-72.64	-73.79	76.77	0.19	106.48	133.87
2522.02	5.79	144.87	2515.07	-74.73	-75.90	78.27	0.20	109.03	134.12
2546.47	5.75	145.35	2539.39	-76.73	-77.92	79.67	0.26	111.44	134.36
2571.66	5.79	144.96	2564.46	-78.79	-80.00	81.12	0.22	113.93	134.60
2596.80	5.76	145.03	2589.47	-80.84	-82.07	82.57	0.14	116.42	134.83
2625.06	5.77	144.76	2617.58	-83.13	-84.39	84.20	0.11	119.21	135.06
2649.69	5.73	144.20	2642.09	-85.12	-86.40	85.64	0.29	121.65	135.25
2674.92	5.74	144.17	2667.20	-87.14	-88.44	87.11	0.05	124.14	135.43
2699.31	4.68	143.80	2691.48	-88.91	-90.23	88.41	4.36	126.33	135.58
2724.17	4.60	143.92	2716.26	-90.52	-91.86	89.60	0.30	128.32	135.71
2749.25	4.47	143.00	2741.26	-92.10	-93.45	90.78	0.60	130.29	135.83
2773.49	4.47	141.46	2765.43	-93.57	-94.95	91.94	0.50	132.16	135.92
2798.32	4.44	142.82	2790.18	-95.08	-96.47	93.12	0.44	134.08	136.01
2823.37	4.57	140.41	2815.16	-96.60	-98.01	94.34	0.91	136.04	136.09
2847.60	4.60	139.47	2839.31	-98.06	-99.49	95.59	0.34	137.97	136.15
2872.43	4.78	132.91	2864.05	-99.50	-100.95	96.99	2.27	140.00	136.15
2897.48	4.89	132.48	2889.02	-100.91	-102.38	98.55	0.46	142.10	136.09
2921.68	4.99	129.41	2913.13	-102.25	-103.75	100.12	1.18	144.18	136.02
2946.48	5.04	129.80	2937.83	-103.61	-105.13	101.79	0.22	146.33	135.93
2971.51	5.05	129.57	2962.76	-104.99	-106.54	103.48	0.11	148.52	135.83
2995.70	5.12	126.85	2986.86	-106.29	-107.86	105.17	1.03	150.65	135.72
3024.68	5.15	126.24	3015.72	-107.80	-109.40	107.25	0.23	153.21	135.57
3049.21	5.22	125.93	3040.16	-109.08	-110.71	109.04	0.28	155.39	135.44
3074.35	5.25	126.10	3065.19	-110.40	-112.06	110.90	0.15	157.66	135.30
3098.63	5.32	123.52	3089.37	-111.65	-113.34	112.73	1.02	159.86	135.15
3123.40	5.38	122.29	3114.03	-112.88	-114.59	114.67	0.52	162.11	134.98
3148.40	5.48	122.12	3138.92	-114.11	-115.85	116.67	0.38	164.42	134.80
3172.57	5.52	122.44	3162.97	-115.32	-117.09	118.63	0.22	166.68	134.62
3197.32	5.62	120.09	3187.61	-116.53	-118.33	120.68	1.00	169.02	134.44
3222.15	5.48	120.53	3212.33	-117.71	-119.55	122.76	0.58	171.35	134.24
3249.70	5.71	118.89	3239.74	-119.01	-120.88	125.09	1.03	173.95	134.02

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
3273.87	5.64	119.82	3263.79	-120.15	-122.05	127.17	0.48	176.26	133.82
3298.15	5.70	119.68	3287.95	-121.31	-123.24	129.26	0.23	178.59	133.63
3321.84	5.82	118.89	3311.52	-122.44	-124.40	131.33	0.63	180.89	133.45
3346.11	5.84	120.19	3335.66	-123.62	-125.62	133.47	0.55	183.29	133.26
3374.32	5.93	122.03	3363.73	-125.08	-127.11	135.95	0.73	186.12	133.08
3397.89	6.30	125.75	3387.16	-126.45	-128.51	138.03	2.31	188.59	132.95
3422.26	6.70	130.08	3411.38	-128.11	-130.21	140.20	2.60	191.34	132.88
3446.39	6.83	129.93	3435.34	-129.91	-132.03	142.38	0.55	194.18	132.84
3473.79	6.86	131.25	3462.54	-132.00	-134.16	144.86	0.58	197.44	132.80
3497.93	6.70	131.34	3486.52	-133.84	-136.04	147.00	0.65	200.29	132.78
3522.17	6.87	131.46	3510.59	-135.71	-137.93	149.15	0.69	203.15	132.76
3545.49	6.88	129.26	3533.74	-137.48	-139.74	151.28	1.13	205.94	132.73
3571.42	6.80	130.57	3559.48	-139.43	-141.72	153.65	0.68	209.03	132.69
3597.46	6.58	131.24	3585.35	-141.38	-143.71	155.94	0.88	212.06	132.66
3622.63	6.60	130.97	3610.35	-143.25	-145.61	158.12	0.15	214.95	132.64
3648.78	6.64	130.89	3636.33	-145.19	-147.58	160.40	0.14	217.96	132.62
3674.83	6.55	130.88	3662.20	-147.11	-149.54	162.66	0.33	220.95	132.59
3699.99	6.70	129.89	3687.19	-148.96	-151.42	164.87	0.74	223.85	132.57
3722.02	6.67	130.45	3709.07	-150.58	-153.08	166.83	0.33	226.41	132.54
3747.92	6.66	130.17	3734.80	-152.49	-155.02	169.12	0.13	229.42	132.51
3773.20	6.57	130.34	3759.92	-154.34	-156.90	171.34	0.36	232.33	132.48
3799.36	6.86	131.71	3785.89	-156.32	-158.91	173.65	1.26	235.39	132.46
3821.02	6.88	132.59	3807.40	-158.03	-160.65	175.57	0.49	237.98	132.46
3846.43	6.96	135.92	3832.62	-160.13	-162.78	177.76	1.62	241.03	132.48
3872.43	7.05	138.81	3858.43	-162.43	-165.12	179.91	1.40	244.19	132.55
3897.75	7.09	139.18	3883.56	-164.75	-167.47	181.95	0.23	247.29	132.63
3922.70	7.20	138.13	3908.31	-167.05	-169.80	184.00	0.68	250.38	132.70
3948.10	7.15	138.97	3933.51	-169.40	-172.18	186.10	0.45	253.53	132.77
3973.36	7.22	139.14	3958.58	-171.75	-174.56	188.17	0.28	256.67	132.85
3998.26	7.31	139.09	3983.27	-174.10	-176.94	190.23	0.35	259.80	132.93
4023.50	7.19	138.81	4008.32	-176.47	-179.35	192.33	0.47	262.97	133.00
4048.75	7.19	139.04	4033.37	-178.83	-181.73	194.40	0.12	266.12	133.07

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	"/100ft	ft	deg
4073.63	7.17	139.32	4058.05	-181.15	-184.08	196.44	0.17	269.21	133.14
4098.87	7.21	138.87	4083.09	-183.50	-186.47	198.50	0.26	272.35	133.21
4124.10	7.17	140.85	4108.12	-185.89	-188.88	200.54	0.99	275.48	133.29
4148.83	6.45	140.61	4132.68	-188.13	-191.15	202.39	2.91	278.39	133.36
4174.17	6.43	140.99	4157.87	-190.30	-193.35	204.19	0.18	281.21	133.44
4199.39	6.25	139.93	4182.92	-192.42	-195.50	205.96	0.85	283.97	133.51
4224.24	6.04	139.72	4207.63	-194.43	-197.53	207.68	0.86	286.62	133.57
4249.45	5.98	140.24	4232.70	-196.43	-199.56	209.38	0.31	289.24	133.62
4274.65	5.94	139.17	4257.77	-198.40	-201.55	211.07	0.47	291.84	133.68
4299.48	5.94	138.37	4282.47	-200.31	-203.49	212.76	0.34	294.40	133.72
4324.43	5.97	136.45	4307.28	-202.19	-205.39	214.51	0.81	296.99	133.76
4349.86	6.22	133.76	4332.57	-204.07	-207.30	216.42	1.49	299.68	133.77
4374.66	6.18	133.50	4357.22	-205.89	-209.15	218.36	0.20	302.36	133.77
4399.84	6.25	132.93	4382.25	-207.72	-211.01	220.34	0.39	305.09	133.76
4424.89	6.27	132.72	4407.16	-209.55	-212.87	222.35	0.11	307.82	133.75
4449.84	6.27	132.88	4431.96	-211.37	-214.72	224.34	0.07	310.54	133.74
4475.02	6.47	136.46	4456.98	-213.30	-216.69	226.33	1.77	313.33	133.75
4496.30	5.34	142.44	4478.15	-214.94	-218.34	227.76	6.04	315.51	133.79
4520.85	4.92	149.36	4502.60	-216.73	-220.15	228.99	3.06	317.66	133.87
4546.25	4.62	153.22	4527.91	-218.57	-222.00	230.01	1.73	319.67	133.99
4574.96	4.12	156.24	4556.54	-220.53	-223.98	230.95	1.89	321.72	134.12
4599.76	3.97	153.61	4581.27	-222.10	-225.56	231.69	0.98	323.35	134.23
4623.60	3.62	151.66	4605.06	-223.49	-226.96	232.41	1.57	324.85	134.32
4648.39	3.16	149.20	4629.81	-224.76	-228.24	233.13	1.93	326.26	134.39
4673.06	2.41	139.59	4654.45	-225.72	-229.22	233.82	3.57	327.43	134.43
4696.89	1.88	125.74	4678.26	-226.32	-229.83	234.46	3.09	328.32	134.43
4721.31	1.50	98.66	4702.68	-226.60	-230.11	235.10	3.59	328.97	134.39
4746.21	1.41	78.50	4727.56	-226.58	-230.10	235.72	2.08	329.41	134.31
4774.31	1.62	55.63	4755.66	-226.27	-229.81	236.39	2.25	329.68	134.19
4798.85	1.55	49.83	4780.19	-225.86	-229.40	236.93	0.71	329.78	134.07
4823.51	1.53	46.98	4804.84	-225.41	-228.96	237.42	0.32	329.83	133.96
4847.47	1.62	52.22	4828.79	-224.98	-228.53	237.92	0.70	329.90	133.85

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
4872.13	1.84	49.15	4853.44	-224.50	-228.06	238.50	0.97	329.99	133.72
4896.78	1.86	57.42	4878.08	-224.01	-227.59	239.13	1.09	330.12	133.58
4924.75	2.05	59.54	4906.02	-223.50	-227.09	239.95	0.72	330.37	133.42
4949.52	2.32	61.61	4930.78	-223.03	-226.62	240.77	1.10	330.65	133.27
4974.06	2.35	59.50	4955.30	-222.52	-226.13	241.64	0.38	330.95	133.10
4998.01	2.56	59.88	4979.23	-221.99	-225.62	242.53	0.88	331.24	132.93
5022.79	4.09	57.06	5003.97	-221.22	-224.86	243.75	6.20	331.62	132.69
5047.64	3.96	40.32	5028.76	-220.06	-223.72	245.05	4.74	331.81	132.40
5073.02	4.05	39.01	5054.08	-218.68	-222.36	246.18	0.51	331.73	132.09
5099.29	3.77	35.90	5080.28	-217.25	-220.94	247.27	1.35	331.59	131.78
5120.77	2.55	25.17	5101.73	-216.23	-219.93	247.88	6.25	331.39	131.58
5146.52	1.87	18.31	5127.46	-215.31	-219.01	248.26	2.84	331.06	131.42
5172.24	1.40	0.14	5153.17	-214.59	-218.30	248.39	2.69	330.69	131.31
5197.76	1.31	0.69	5178.69	-213.99	-217.70	248.40	0.36	330.29	131.23
5222.63	1.39	359.08	5203.54	-213.40	-217.11	248.40	0.36	329.91	131.15
5247.97	1.37	356.29	5228.88	-212.79	-216.50	248.37	0.27	329.48	131.08
5273.45	1.40	358.37	5254.35	-212.17	-215.88	248.34	0.22	329.06	131.00
5298.30	1.28	0.06	5279.19	-211.59	-215.30	248.33	0.50	328.67	130.92
5323.64	1.31	354.90	5304.53	-211.02	-214.73	248.31	0.48	328.28	130.85
5346.10	1.12	346.03	5326.98	-210.55	-214.26	248.23	1.21	327.91	130.80
5372.17	1.15	294.44	5353.05	-210.20	-213.90	247.93	3.79	327.45	130.79
5398.90	1.42	276.60	5379.77	-210.06	-213.75	247.36	1.79	326.92	130.83
5420.71	1.57	271.69	5401.57	-210.03	-213.71	246.79	0.88	326.47	130.89
5447.40	1.76	269.04	5428.26	-210.04	-213.71	246.02	0.77	325.88	130.98
5474.37	1.81	267.14	5455.21	-210.08	-213.74	245.18	0.30	325.26	131.08
5496.04	1.81	269.66	5476.87	-210.11	-213.76	244.49	0.37	324.76	131.16
5522.74	1.83	266.83	5503.55	-210.15	-213.78	243.65	0.35	324.14	131.26
5549.81	1.90	265.61	5530.61	-210.22	-213.84	242.77	0.28	323.52	131.38
5571.47	1.88	264.23	5552.26	-210.29	-213.91	242.06	0.22	323.03	131.47
5598.42	1.99	265.92	5579.19	-210.38	-213.98	241.15	0.45	322.40	131.58
5624.19	1.92	263.65	5604.95	-210.47	-214.06	240.28	0.41	321.80	131.70
5646.87	1.94	263.60	5627.62	-210.57	-214.15	239.52	0.11	321.29	131.80

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
5673.55	2.02	263.68	5654.28	-210.69	-214.25	238.60	0.31	320.68	131.92
5699.59	2.00	263.57	5680.31	-210.80	-214.35	237.69	0.11	320.07	132.04
5722.16	2.00	260.75	5702.86	-210.92	-214.46	236.91	0.44	319.56	132.15
5748.85	2.14	262.22	5729.53	-211.08	-214.60	235.96	0.56	318.95	132.29
5775.02	2.11	261.02	5755.69	-211.23	-214.74	235.00	0.21	318.34	132.42
5796.90	2.15	262.26	5777.55	-211.36	-214.86	234.19	0.27	317.82	132.53
5823.05	2.05	263.68	5803.68	-211.49	-214.98	233.24	0.41	317.20	132.67
5848.55	2.09	262.08	5829.17	-211.62	-215.09	232.33	0.27	316.61	132.79
5874.56	2.10	260.32	5855.16	-211.78	-215.24	231.39	0.25	316.02	132.93
5895.79	2.16	260.83	5876.37	-211.92	-215.37	230.61	0.31	315.54	133.04
5921.92	2.10	261.11	5902.49	-212.09	-215.52	229.65	0.24	314.94	133.18
5947.93	2.17	261.33	5928.48	-212.25	-215.67	228.69	0.30	314.35	133.32
5973.42	2.12	262.58	5953.95	-212.40	-215.80	227.75	0.28	313.75	133.46
5999.55	1.97	260.12	5980.06	-212.55	-215.94	226.83	0.68	313.18	133.59
6021.66	2.05	256.98	6002.16	-212.72	-216.09	226.07	0.63	312.74	133.71
6046.78	1.75	255.37	6027.27	-212.93	-216.29	225.26	1.22	312.29	133.84
6072.79	1.65	255.66	6053.26	-213.13	-216.48	224.51	0.40	311.89	133.96
6099.16	1.45	256.12	6079.62	-213.31	-216.66	223.82	0.73	311.51	134.07
6124.41	1.36	255.22	6104.86	-213.48	-216.81	223.22	0.38	311.18	134.17
6146.51	1.39	253.09	6126.96	-213.63	-216.96	222.71	0.27	310.92	134.25
6171.63	1.35	252.69	6152.07	-213.81	-217.13	222.14	0.17	310.63	134.35
6197.62	0.94	242.66	6178.06	-214.01	-217.32	221.65	1.75	310.42	134.43
6224.00	0.76	243.75	6204.44	-214.19	-217.50	221.30	0.69	310.29	134.50
6249.25	0.59	231.34	6229.68	-214.35	-217.66	221.05	0.88	310.22	134.56
6271.37	0.57	232.32	6251.80	-214.49	-217.79	220.88	0.12	310.20	134.60
6297.50	0.60	231.82	6277.93	-214.66	-217.96	220.67	0.13	310.16	134.65
6322.76	0.56	232.85	6303.18	-214.82	-218.11	220.47	0.17	310.13	134.69
6348.90	0.57	233.12	6329.33	-214.98	-218.27	220.26	0.07	310.09	134.74
6370.75	0.60	230.82	6351.17	-215.12	-218.41	220.08	0.15	310.06	134.78
6400.07	0.54	226.92	6380.49	-215.31	-218.60	219.86	0.24	310.04	134.83
6421.53	0.60	235.45	6401.95	-215.45	-218.73	219.70	0.50	310.02	134.87
6446.86	0.61	231.73	6427.28	-215.61	-218.89	219.48	0.16	309.98	134.92

SURVEY REPORT

FEX FEDERAL COM #703H

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
6471.58	0.60	229.75	6452.00	-215.78	-219.05	219.28	0.10	309.95	134.97
6497.14	0.57	232.69	6477.56	-215.94	-219.22	219.08	0.17	309.92	135.02
6522.46	0.61	228.51	6502.87	-216.11	-219.38	218.88	0.25	309.90	135.07
6547.40	0.55	224.42	6527.82	-216.29	-219.56	218.69	0.32	309.89	135.11
6572.60	0.54	234.00	6553.02	-216.45	-219.71	218.51	0.36	309.87	135.16
6598.03	0.65	231.72	6578.44	-216.61	-219.87	218.30	0.45	309.84	135.21
6622.97	0.59	232.81	6603.38	-216.78	-220.04	218.09	0.23	309.81	135.25
6648.27	0.62	229.44	6628.68	-216.95	-220.20	217.88	0.18	309.78	135.30
6673.57	0.59	238.01	6653.98	-217.11	-220.36	217.67	0.37	309.74	135.35
6698.50	0.64	233.47	6678.91	-217.27	-220.52	217.44	0.27	309.69	135.40
6723.81	0.60	228.54	6704.21	-217.44	-220.69	217.23	0.27	309.66	135.45
6749.10	0.69	239.05	6729.51	-217.61	-220.85	217.00	0.59	309.62	135.50
6774.03	0.41	234.14	6754.44	-217.74	-220.98	216.80	1.15	309.57	135.55
6799.33	0.32	240.88	6779.74	-217.83	-221.07	216.66	0.40	309.54	135.58
6824.61	0.08	264.15	6805.01	-217.87	-221.11	216.59	0.97	309.51	135.59
6849.53	0.08	237.99	6829.93	-217.88	-221.12	216.55	0.15	309.50	135.60
6874.82	0.18	27.52	6855.22	-217.85	-221.09	216.56	1.02	309.48	135.59
6895.95	0.20	12.48	6876.36	-217.79	-221.03	216.58	0.24	309.45	135.58
6925.03	0.17	354.79	6905.43	-217.70	-220.94	216.59	0.21	309.39	135.57
6946.17	0.08	341.31	6926.57	-217.65	-220.89	216.58	0.42	309.35	135.56
6971.71	0.19	15.49	6952.11	-217.59	-220.83	216.58	0.51	309.31	135.56
6999.73	0.24	1.15	6980.14	-217.49	-220.73	216.60	0.26	309.25	135.54
7024.60	0.21	355.21	7005.00	-217.39	-220.63	216.59	0.16	309.18	135.53
7049.34	0.14	12.16	7029.74	-217.32	-220.56	216.60	0.34	309.13	135.52
7073.48	0.18	24.87	7053.89	-217.26	-220.50	216.62	0.25	309.10	135.51
7097.99	0.23	7.19	7078.39	-217.17	-220.41	216.64	0.32	309.06	135.49
7122.84	0.14	38.77	7103.24	-217.10	-220.34	216.67	0.55	309.02	135.48
7146.98	0.23	30.06	7127.38	-217.04	-220.27	216.71	0.40	309.00	135.47
7171.60	0.21	13.28	7152.01	-216.95	-220.19	216.74	0.27	308.97	135.45
7196.23	0.17	29.11	7176.63	-216.87	-220.11	216.77	0.28	308.93	135.44
7224.42	0.21	17.94	7204.83	-216.79	-220.03	216.81	0.20	308.90	135.42
7249.29	0.22	345.18	7229.69	-216.70	-219.94	216.81	0.49	308.84	135.41

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	"/100ft	ft	deg
7273.92	0.10	358.18	7254.33	-216.63	-219.87	216.80	0.53	308.78	135.40
7297.84	0.17	9.02	7278.24	-216.58	-219.82	216.80	0.34	308.74	135.40
7322.83	0.13	51.34	7303.23	-216.52	-219.76	216.83	0.47	308.72	135.38
7347.46	0.23	28.03	7327.86	-216.46	-219.70	216.88	0.49	308.71	135.37
7371.50	0.20	341.91	7351.90	-216.37	-219.62	216.89	0.71	308.66	135.36
7396.15	0.11	343.28	7376.55	-216.31	-219.55	216.86	0.38	308.60	135.35
7425.07	0.27	356.55	7405.47	-216.22	-219.46	216.85	0.57	308.52	135.34
7449.00	0.23	338.51	7429.40	-216.12	-219.36	216.83	0.37	308.44	135.33
7473.88	0.21	339.42	7454.28	-216.03	-219.27	216.80	0.06	308.35	135.32
7498.76	0.20	319.32	7479.16	-215.95	-219.19	216.75	0.29	308.26	135.32
7522.58	0.24	341.98	7502.98	-215.88	-219.11	216.71	0.39	308.18	135.32
7547.46	0.10	321.59	7527.86	-215.81	-219.05	216.68	0.60	308.11	135.31
7571.97	0.28	5.69	7552.37	-215.73	-218.97	216.68	0.92	308.05	135.30
7599.93	0.35	3.19	7580.33	-215.58	-218.82	216.69	0.24	307.95	135.28
7623.22	0.41	354.97	7603.62	-215.43	-218.67	216.68	0.34	307.84	135.26
7647.32	0.38	2.37	7627.72	-215.26	-218.50	216.68	0.24	307.72	135.24
7671.41	0.49	7.86	7651.81	-215.08	-218.32	216.70	0.49	307.60	135.21
7698.75	0.43	353.06	7679.15	-214.86	-218.10	216.70	0.49	307.45	135.18
7722.73	0.46	2.47	7703.12	-214.68	-217.92	216.69	0.33	307.32	135.16
7746.93	0.47	6.82	7727.33	-214.48	-217.72	216.71	0.15	307.19	135.13
7774.97	0.47	10.31	7755.37	-214.26	-217.50	216.74	0.11	307.05	135.10
7798.37	0.40	359.03	7778.76	-214.08	-217.32	216.76	0.49	306.94	135.07
7822.22	0.60	7.12	7802.61	-213.87	-217.11	216.77	0.89	306.80	135.04
7846.53	0.54	359.82	7826.93	-213.63	-216.87	216.79	0.39	306.65	135.01
7873.86	0.51	7.86	7854.25	-213.38	-216.62	216.81	0.29	306.48	134.98
7897.94	0.50	8.66	7878.33	-213.17	-216.41	216.84	0.03	306.35	134.94
7921.90	0.52	8.71	7902.29	-212.96	-216.20	216.87	0.06	306.23	134.91
7949.22	0.50	1.89	7929.61	-212.72	-215.96	216.89	0.23	306.07	134.88
7973.43	0.38	359.41	7953.82	-212.54	-215.78	216.89	0.50	305.95	134.85
8000.06	0.74	33.71	7980.45	-212.30	-215.55	216.99	1.79	305.85	134.81
8022.33	0.93	43.66	8002.71	-212.05	-215.30	217.19	1.06	305.82	134.75
8046.82	0.86	43.37	8027.20	-211.77	-215.02	217.46	0.28	305.81	134.68

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	"/100ft	ft	deg
8072.87	0.85	39.81	8053.24	-211.47	-214.73	217.71	0.21	305.79	134.60
8099.27	0.89	43.39	8079.64	-211.17	-214.43	217.98	0.27	305.77	134.53
8124.68	0.85	35.84	8105.05	-210.87	-214.13	218.23	0.48	305.74	134.46
8146.19	0.86	39.25	8126.56	-210.61	-213.88	218.42	0.24	305.70	134.40
8170.88	0.81	40.12	8151.25	-210.33	-213.60	218.65	0.19	305.67	134.33
8196.43	0.86	43.19	8176.80	-210.05	-213.32	218.90	0.26	305.65	134.26
8222.11	0.83	40.30	8202.47	-209.76	-213.04	219.15	0.22	305.64	134.19
8246.81	0.86	43.90	8227.17	-209.49	-212.77	219.40	0.26	305.62	134.12
8272.37	0.87	40.41	8252.72	-209.20	-212.48	219.66	0.21	305.61	134.05
8298.05	0.87	42.08	8278.40	-208.90	-212.19	219.91	0.10	305.59	133.98
8322.76	1.06	41.88	8303.11	-208.59	-211.88	220.19	0.74	305.58	133.90
8348.32	0.91	37.34	8328.66	-208.25	-211.54	220.47	0.63	305.55	133.82
8374.01	0.99	36.82	8354.36	-207.90	-211.20	220.73	0.30	305.50	133.74
8398.61	0.93	40.58	8378.95	-207.58	-210.88	220.99	0.36	305.46	133.66
8424.30	0.91	42.23	8404.64	-207.26	-210.57	221.26	0.12	305.44	133.58
8450.01	0.86	38.74	8430.34	-206.96	-210.27	221.52	0.29	305.42	133.51
8474.85	0.85	40.85	8455.18	-206.67	-209.98	221.76	0.13	305.40	133.44
8496.26	0.86	44.10	8476.59	-206.43	-209.74	221.97	0.23	305.39	133.38
8521.98	0.93	44.95	8502.30	-206.14	-209.46	222.26	0.27	305.40	133.30
8546.59	0.98	32.88	8526.91	-205.82	-209.14	222.51	0.84	305.37	133.23
8572.31	0.94	42.21	8552.62	-205.47	-208.80	222.77	0.62	305.33	133.15
8598.03	0.91	39.37	8578.34	-205.15	-208.49	223.04	0.22	305.31	133.07
8622.53	0.88	43.13	8602.84	-204.86	-208.20	223.29	0.27	305.30	133.00
8648.39	0.92	41.78	8628.70	-204.56	-207.90	223.57	0.19	305.29	132.92
8674.05	0.75	38.42	8654.35	-204.27	-207.61	223.81	0.70	305.28	132.85
8698.04	0.75	43.61	8678.35	-204.03	-207.38	224.02	0.28	305.27	132.79
8722.83	0.81	41.15	8703.13	-203.78	-207.13	224.24	0.29	305.27	132.73
8747.49	0.74	44.07	8727.79	-203.53	-206.88	224.47	0.34	305.26	132.66
8774.24	0.78	44.40	8754.54	-203.27	-206.63	224.72	0.17	305.27	132.60
8799.94	0.53	87.16	8780.24	-203.13	-206.49	224.96	2.08	305.36	132.55
8822.40	0.46	88.81	8802.69	-203.13	-206.49	225.15	0.34	305.50	132.52
8847.92	0.53	110.59	8828.21	-203.16	-206.53	225.37	0.78	305.68	132.50

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	"/100ft	ft	deg
8874.59	0.50	125.72	8854.88	-203.27	-206.64	225.58	0.52	305.91	132.49
8896.02	0.55	123.93	8876.31	-203.38	-206.75	225.74	0.24	306.11	132.49
8922.56	0.55	124.40	8902.85	-203.52	-206.89	225.95	0.03	306.36	132.48
8949.23	0.53	135.96	8929.52	-203.68	-207.06	226.14	0.42	306.61	132.48
8974.88	0.60	147.44	8955.16	-203.87	-207.25	226.30	0.50	306.86	132.49
8997.07	0.56	139.98	8977.35	-204.05	-207.44	226.43	0.37	307.08	132.49
9023.73	0.59	158.59	9004.02	-204.28	-207.66	226.56	0.71	307.33	132.51
9049.50	0.60	176.15	9029.78	-204.54	-207.92	226.62	0.71	307.55	132.54
9071.69	0.70	176.65	9051.97	-204.79	-208.18	226.64	0.45	307.74	132.57
9098.23	0.82	190.31	9078.51	-205.14	-208.52	226.61	0.80	307.95	132.62
9123.87	0.89	191.88	9104.14	-205.52	-208.90	226.54	0.30	308.15	132.68
9146.20	0.94	202.46	9126.47	-205.86	-209.24	226.43	0.78	308.30	132.74
9172.87	1.04	203.65	9153.14	-206.28	-209.66	226.25	0.39	308.46	132.82
9198.67	1.38	212.15	9178.93	-206.76	-210.14	225.99	1.50	308.59	132.92
9224.59	1.47	211.60	9204.85	-207.31	-210.69	225.65	0.35	308.72	133.04
9245.55	1.58	217.13	9225.80	-207.78	-211.14	225.34	0.87	308.80	133.14
9271.22	1.63	218.75	9251.46	-208.35	-211.71	224.89	0.27	308.87	133.27
9297.13	1.63	221.92	9277.36	-208.92	-212.27	224.42	0.35	308.91	133.41
9322.20	1.62	220.66	9302.42	-209.46	-212.81	223.95	0.14	308.93	133.54
9347.89	1.66	219.25	9328.10	-210.03	-213.37	223.48	0.21	308.98	133.67
9373.82	1.70	223.63	9354.01	-210.61	-213.94	222.97	0.52	309.01	133.82
9398.89	1.69	220.10	9379.07	-211.17	-214.49	222.48	0.42	309.04	133.95
9424.58	1.72	221.70	9404.76	-211.75	-215.07	221.98	0.22	309.08	134.09
9446.43	1.75	221.99	9426.59	-212.25	-215.56	221.54	0.15	309.11	134.22
9471.39	1.80	220.26	9451.54	-212.84	-216.14	221.03	0.30	309.15	134.36
9497.23	1.92	219.09	9477.37	-213.49	-216.79	220.50	0.46	309.22	134.51
9523.19	1.99	219.40	9503.31	-214.19	-217.47	219.94	0.28	309.30	134.68
9548.16	2.10	218.82	9528.26	-214.89	-218.16	219.38	0.46	309.39	134.84
9574.01	2.15	221.96	9554.09	-215.62	-218.89	218.75	0.49	309.46	135.02
9599.99	2.13	220.75	9580.06	-216.36	-219.62	218.11	0.20	309.53	135.20
9625.05	2.15	221.22	9605.10	-217.08	-220.33	217.50	0.12	309.60	135.37
9647.08	2.10	219.67	9627.12	-217.71	-220.95	216.97	0.36	309.67	135.52

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
9672.19	2.13	219.01	9652.22	-218.43	-221.67	216.38	0.14	309.77	135.69
9698.78	2.12	219.23	9678.78	-219.21	-222.43	215.76	0.04	309.88	135.87
9721.15	2.12	218.77	9701.14	-219.86	-223.07	215.24	0.08	309.98	136.02
9746.67	2.06	217.47	9726.65	-220.60	-223.81	214.67	0.30	310.11	136.19
9772.79	1.67	206.49	9752.75	-221.32	-224.52	214.21	2.00	310.31	136.35
9798.61	1.49	190.86	9778.56	-221.99	-225.19	213.98	1.80	310.64	136.46
9823.79	1.33	191.52	9803.73	-222.60	-225.79	213.86	0.65	311.00	136.56
9849.85	1.33	190.40	9829.79	-223.19	-226.39	213.74	0.10	311.35	136.65
9871.31	1.40	190.26	9851.24	-223.70	-226.89	213.65	0.35	311.65	136.72
9896.76	1.30	186.32	9876.68	-224.29	-227.48	213.56	0.55	312.02	136.81
9922.71	1.33	190.96	9902.62	-224.88	-228.07	213.48	0.43	312.39	136.89
9948.54	1.26	187.69	9928.44	-225.46	-228.65	213.38	0.39	312.75	136.98
9973.86	1.25	188.97	9953.76	-226.01	-229.20	213.30	0.12	313.09	137.06
9999.80	1.18	192.16	9979.70	-226.55	-229.74	213.20	0.37	313.42	137.14
10021.52	1.21	186.87	10001.41	-227.00	-230.19	213.12	0.52	313.70	137.20
10046.72	0.95	184.73	10026.60	-227.47	-230.66	213.08	1.03	314.01	137.27
10072.53	0.90	182.08	10052.41	-227.89	-231.07	213.05	0.27	314.30	137.32
10098.36	0.69	171.94	10078.24	-228.24	-231.43	213.06	0.96	314.57	137.37
10123.81	0.57	174.74	10103.69	-228.52	-231.71	213.10	0.49	314.80	137.40
10149.64	0.45	162.48	10129.52	-228.75	-231.94	213.14	0.64	315.00	137.42
10170.73	0.41	133.35	10150.61	-228.88	-232.07	213.22	1.04	315.15	137.42
10196.68	0.33	76.90	10176.55	-228.92	-232.11	213.36	1.39	315.28	137.41
10222.89	0.93	20.32	10202.76	-228.71	-231.90	213.51	3.04	315.22	137.36
10247.82	1.69	11.09	10227.69	-228.15	-231.35	213.65	3.14	314.91	137.28
10273.01	2.27	8.46	10252.86	-227.29	-230.49	213.80	2.34	314.38	137.15
10298.20	2.76	12.94	10278.03	-226.21	-229.41	214.00	2.12	313.73	136.99
10322.67	2.79	10.59	10302.47	-225.04	-228.25	214.25	0.47	313.05	136.81
10347.86	2.98	15.84	10327.63	-223.81	-227.01	214.54	1.30	312.35	136.62
10373.05	3.07	17.75	10352.79	-222.53	-225.74	214.92	0.54	311.69	136.41
10397.52	3.05	21.23	10377.22	-221.29	-224.51	215.36	0.76	311.10	136.19
10422.73	3.06	20.96	10402.39	-220.03	-223.25	215.84	0.06	310.53	135.97
10448.06	3.01	26.35	10427.69	-218.79	-222.02	216.38	1.14	310.02	135.74

MD	INC	AZIM	TVD	VS	+N/-S	+E/-W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	"/100ft	ft	deg
10472.45	2.96	29.90	10452.04	-217.66	-220.90	216.98	0.78	309.64	135.51
10497.68	2.71	36.44	10477.24	-216.61	-219.86	217.66	1.63	309.38	135.29
10523.02	2.70	42.36	10502.56	-215.67	-218.94	218.42	1.10	309.26	135.07
10547.41	2.52	48.48	10526.92	-214.88	-218.16	219.20	1.37	309.26	134.86
10572.40	2.55	58.70	10551.88	-214.22	-217.51	220.09	1.81	309.43	134.66
10597.89	2.39	65.01	10577.36	-213.68	-216.99	221.06	1.23	309.76	134.47
10622.42	2.47	64.41	10601.86	-213.22	-216.54	222.00	0.33	310.12	134.29
10647.68	2.45	66.67	10627.09	-212.76	-216.09	222.98	0.39	310.51	134.10
10673.08	2.30	73.22	10652.47	-212.38	-215.73	223.97	1.23	310.97	133.93
10697.63	2.43	68.45	10677.00	-212.04	-215.40	224.93	0.96	311.43	133.76
10722.79	2.36	68.62	10702.14	-211.64	-215.01	225.90	0.29	311.87	133.59
10747.77	2.40	69.06	10727.10	-211.25	-214.64	226.87	0.19	312.31	133.41
10771.58	2.42	68.42	10750.89	-210.87	-214.28	227.80	0.13	312.74	133.25
10799.97	2.49	68.80	10779.25	-210.41	-213.83	228.93	0.28	313.26	133.05
10824.47	2.48	68.92	10803.72	-210.01	-213.45	229.92	0.07	313.73	132.87
10848.97	2.49	71.34	10828.20	-209.64	-213.09	230.92	0.43	314.22	132.70
10872.75	2.47	71.78	10851.97	-209.30	-212.76	231.90	0.14	314.72	132.54
10897.26	2.35	71.22	10876.45	-208.96	-212.44	232.88	0.50	315.21	132.37
10921.75	2.24	82.17	10900.93	-208.72	-212.21	233.82	1.84	315.76	132.23
10949.67	2.12	97.15	10928.82	-208.69	-212.20	234.88	2.08	316.54	132.10
10974.12	2.21	100.70	10953.26	-208.82	-212.34	235.79	0.66	317.31	132.00
10999.87	2.23	108.02	10978.99	-209.06	-212.59	236.76	1.11	318.20	131.92
11020.89	2.33	111.27	10999.99	-209.33	-212.87	237.54	0.77	318.97	131.86
11046.75	2.26	115.33	11025.83	-209.72	-213.28	238.49	0.69	319.95	131.81
11072.75	2.40	118.92	11051.80	-210.19	-213.76	239.43	0.80	320.97	131.76
11097.74	2.42	118.29	11076.78	-210.68	-214.27	240.36	0.12	322.00	131.72
11123.61	2.10	126.67	11102.63	-211.21	-214.81	241.22	1.77	323.00	131.69
11149.61	1.82	132.86	11128.61	-211.76	-215.37	241.90	1.34	323.88	131.68
11174.63	1.71	149.98	11153.62	-212.35	-215.97	242.38	2.15	324.64	131.70
11196.42	1.49	172.56	11175.40	-212.91	-216.53	242.58	3.05	325.16	131.75
11221.34	1.52	199.78	11200.31	-213.54	-217.16	242.51	2.85	325.53	131.84
11246.30	1.96	220.55	11225.26	-214.18	-217.80	242.12	3.04	325.67	131.97

SURVEY REPORT

FEX FEDERAL COM #703H

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
11271.50	2.33	233.54	11250.45	-214.83	-218.43	241.43	2.43	325.58	132.14
11295.86	2.81	241.89	11274.78	-215.42	-219.01	240.50	2.50	325.28	132.32
11324.92	3.30	247.87	11303.80	-216.09	-219.66	239.10	2.00	324.68	132.57
11350.03	3.72	252.63	11328.86	-216.62	-220.17	237.65	2.01	323.97	132.81
11370.44	4.25	255.96	11349.22	-217.03	-220.56	236.29	2.85	323.23	133.03
11399.71	4.69	259.97	11378.40	-217.53	-221.03	234.06	1.84	321.92	133.36
11424.74	5.12	262.28	11403.34	-217.89	-221.35	231.94	1.89	320.62	133.66
11447.31	5.15	262.74	11425.81	-218.18	-221.62	229.94	0.23	319.35	133.94
11474.73	5.22	265.69	11453.12	-218.47	-221.87	227.48	1.00	317.76	134.28
11500.06	4.83	268.21	11478.35	-218.62	-221.99	225.26	1.74	316.26	134.58