

COG

SURVEY REPORT

DAISY 24 STATE COM #504H

SCAN FREEDOM

5/20/2019

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

JAKE ELGER

Notarized this date 07 of JUNE

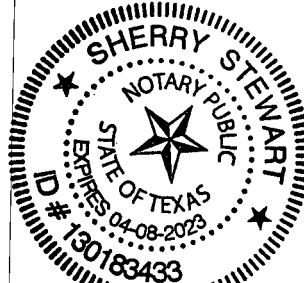
2019

Sherry Stewart

Notary Signature

County of Midland

State of Texas



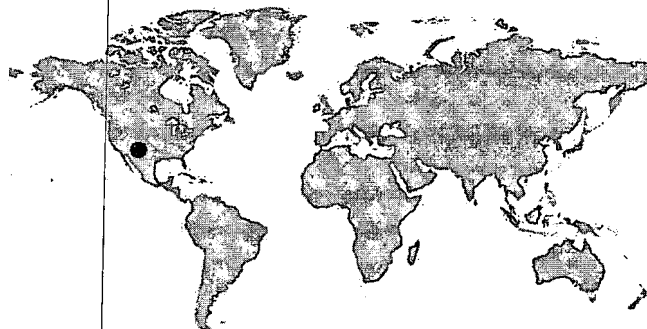
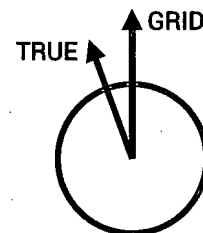
Scientific Drilling

The Ultimate Partner In Wellbore Placement

SURVEY REPORT

DAISY 24 STATE COM #504H

KEEPER GYRO SURVEY

CUSTOMER
PROJECTCOG
Daisy 24 State Com #504H Keeper Gyro
survey
FIELD N/ASDI JOB NO.
SDI DISTRICT
SDI KIT/UNITOP.018758
Midland**SITE INFORMATION**Site Name Eddy County, New Mexico
Lat/Long 32.0210925° N, 104.0958572° W
Northing 371,480.8 ft
Easting 573,599.6 ftSection
Township
Range**MAP INFORMATION**North Reference Grid North
Grid Correction -0.13 deg
System US State Plane 1927
Datum North American Datum 1927 (Clarke 1866)
Map Zone New Mexico East: 3001**WELL INFORMATION**Lat/Long 32.1218028° N, 104.1454442° W
Northing 408,085 ft
Easting 558,167.6 ft
UWI 30-015-45748**DEPTH AND ELEVATION REFERENCE**Ground Level 3057.2 ft above Mean Sea
Level
Reference Datum RKB
Reference Height 27 ft above G.L.
Reference Elevation 3084.2 ft**VERTICAL SECTION REFERENCE**+N/-S 0 ft
+E/-W 0 ft
Proposal Direction 177.81°
Calculation Method Minimum Curvature**LOCAL GRAVITY REFERENCE INFORMATION**Local Gravity 998.525 mG [computed]
True to Grid subtract 0.13°**WELL NOTES**

Daisy 24 State Com #504H Keeper Gyro survey

OPERATORS

Jeffrey Loyd

SDI Operator Name (Printed)

SIGNATURE

DATE

SURVEY REPORT

DAISY 24 STATE COM #504H

KEEPER GYRO SURVEY

MD	INC	AZIM	TVD	VS	+N/S	HE/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	1.12	85.41	99.99	-0.04	0.08	0.98	1.12	0.98	85.41
125.00	1.21	79.76	124.99	-0.09	0.15	1.48	0.57	1.49	84.41
150.00	1.23	78.79	149.98	-0.17	0.24	2.00	0.11	2.02	83.06
175.00	1.20	77.93	174.98	-0.25	0.35	2.52	0.15	2.55	82.08
200.00	1.10	77.02	199.97	-0.34	0.46	3.01	0.38	3.05	81.33
225.00	0.92	70.29	224.97	-0.45	0.58	3.43	0.89	3.48	80.40
250.00	0.84	73.80	249.97	-0.55	0.70	3.80	0.36	3.86	79.57
275.00	0.75	79.88	274.96	-0.62	0.78	4.14	0.51	4.21	79.33
300.00	0.76	78.63	299.96	-0.67	0.84	4.46	0.08	4.54	79.32
325.00	0.58	71.33	324.96	-0.73	0.91	4.74	0.79	4.83	79.09
350.00	0.42	71.57	349.96	-0.79	0.98	4.95	0.62	5.05	78.76
375.00	0.34	68.08	374.96	-0.84	1.04	5.10	0.37	5.21	78.48
400.00	0.27	42.69	399.96	-0.91	1.11	5.21	0.59	5.33	77.97
425.00	0.16	357.51	424.96	-0.99	1.19	5.25	0.78	5.38	77.23
450.00	0.17	322.46	449.96	-1.05	1.25	5.23	0.40	5.38	76.50
475.00	0.27	319.13	474.96	-1.13	1.33	5.17	0.41	5.33	75.58
500.00	0.13	272.32	499.96	-1.18	1.37	5.10	0.82	5.28	74.93
525.00	0.05	297.03	524.96	-1.19	1.38	5.06	0.34	5.25	74.76
550.00	0.04	87.68	549.96	-1.19	1.38	5.06	0.34	5.25	74.70
575.00	0.07	328.99	574.96	-1.20	1.40	5.06	0.39	5.25	74.55
600.00	0.11	350.28	599.96	-1.24	1.44	5.05	0.21	5.25	74.12
625.00	0.13	333.53	624.96	-1.29	1.49	5.03	0.15	5.25	73.55
650.00	0.22	317.69	649.96	-1.36	1.55	4.99	0.40	5.22	72.77
675.00	0.22	333.44	674.96	-1.44	1.63	4.93	0.24	5.20	71.77
700.00	0.22	298.29	699.96	-1.50	1.69	4.87	0.54	5.16	70.85
725.00	0.21	309.19	724.96	-1.56	1.74	4.79	0.17	5.10	70.00
750.00	0.21	302.43	749.96	-1.62	1.80	4.72	0.10	5.05	69.12
775.00	0.25	299.22	774.96	-1.67	1.85	4.63	0.15	4.98	68.21
800.00	0.34	318.89	799.96	-1.76	1.93	4.53	0.54	4.93	66.90
825.00	0.55	314.48	824.95	-1.90	2.07	4.40	0.84	4.86	64.76
850.00	0.67	321.31	849.95	-2.11	2.27	4.22	0.56	4.79	61.72

MD	INC	AZIM	TVD	VS	N/S	NE/W	DLS	CLOSURE	CLOSURE
ft	deg	deg	ft	ft	ft	ft	%/100ft	DIST	DIR
875.00	0.81	321.65	874.95	-2.37	2.52	4.02	0.55	4.75	57.89
900.00	0.94	321.98	899.95	-2.68	2.82	3.78	0.55	4.72	53.27
925.00	0.97	323.04	924.94	-3.02	3.15	3.53	0.13	4.73	48.21
950.00	1.07	320.68	949.94	-3.38	3.50	3.26	0.41	4.78	42.89
975.00	1.07	324.17	974.94	-3.76	3.87	2.97	0.26	4.88	37.50
1000.00	1.11	323.17	999.93	-4.15	4.26	2.69	0.16	5.03	32.30
1025.00	1.23	325.06	1024.93	-4.57	4.67	2.39	0.51	5.25	27.13
1050.00	1.37	328.46	1049.92	-5.06	5.14	2.08	0.65	5.55	22.04
1075.00	1.44	327.47	1074.91	-5.59	5.66	1.76	0.29	5.93	17.23
1100.00	1.51	328.01	1099.90	-6.15	6.21	1.41	0.28	6.37	12.82
1125.00	1.66	330.74	1124.89	-6.76	6.80	1.06	0.66	6.88	8.87
1150.00	1.87	327.62	1149.88	-7.43	7.46	0.67	0.92	7.49	5.11
1175.00	2.13	325.13	1174.87	-8.17	8.19	0.18	1.13	8.19	1.28
1200.00	2.04	325.87	1199.85	-8.94	8.94	0.33	0.41	8.94	357.87
1225.00	1.62	319.59	1224.84	-9.60	9.57	0.81	1.85	9.61	355.16
1250.00	1.23	307.95	1249.83	-10.05	10.01	1.25	1.92	10.08	352.88
1275.00	0.98	297.09	1274.83	-10.32	10.27	1.65	1.30	10.40	350.86
1300.00	1.26	301.71	1299.82	-10.58	10.51	2.08	1.18	10.71	348.82
1325.00	1.23	294.05	1324.82	-10.85	10.76	-2.56	0.68	11.06	346.64
1350.00	1.32	294.10	1349.81	-11.10	10.99	-3.06	0.36	11.41	344.42
1375.00	1.56	296.22	1374.80	-11.39	11.26	-3.63	0.99	11.83	342.12
1400.00	2.04	298.41	1399.79	-11.78	11.62	-4.33	1.93	12.40	339.56
1425.00	2.40	295.51	1424.77	-12.25	12.06	-5.19	1.49	13.13	336.70
1450.00	2.66	295.47	1449.75	-12.76	12.53	-6.19	1.07	13.98	333.72
1475.00	2.79	296.90	1474.72	-13.33	13.06	-7.26	0.56	14.94	330.94
1500.00	2.78	300.05	1499.69	-13.94	13.64	-8.32	0.61	15.98	328.61
1525.00	2.54	302.36	1524.66	-14.58	14.24	-9.31	1.04	17.01	326.81
1550.00	1.71	308.96	1549.64	-15.14	14.77	-10.07	3.47	17.88	325.71
1575.00	1.49	311.20	1574.63	-15.61	15.22	-10.61	0.90	18.55	325.12
1600.00	1.21	317.04	1599.63	-16.03	15.62	-11.03	1.23	19.13	324.78
1625.00	1.08	342.68	1624.62	-16.46	16.04	-11.28	2.10	19.61	324.88
1650.00	1.07	34.23	1649.62	-16.88	16.46	-11.22	3.74	19.92	325.72

MD	INC	AZIM	TVD	VS	N/S	E/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
1675.00	1.79	70.19	1674.61	-17.18	16.79	-10.72	4.47	19.92	327.43
1700.00	2.36	82.93	1699.59	-17.35	16.98	-9.84	2.93	19.63	329.90
1725.00	2.89	79.88	1724.57	-17.48	17.16	-8.71	2.20	19.24	333.08
1750.00	3.09	76.79	1749.53	-17.69	17.42	-7.43	1.02	18.94	336.90
1775.00	3.08	76.62	1774.50	-17.95	17.73	-6.12	0.06	18.76	340.95
1800.00	3.19	77.34	1799.46	-18.21	18.04	-4.79	0.45	18.66	345.13
1825.00	3.36	78.85	1824.42	-18.45	18.33	-3.39	0.75	18.64	349.52
1850.00	3.54	76.42	1849.37	-18.72	18.66	-1.92	0.93	18.75	354.11
1875.00	3.69	77.27	1874.32	-19.02	19.01	-0.39	0.65	19.02	358.83
1900.00	3.84	78.63	1899.27	-19.30	19.36	1.22	0.68	19.40	359.59
1925.00	4.28	82.45	1924.21	-19.52	19.64	2.96	2.09	19.87	364.57
1950.00	4.28	83.59	1949.14	-19.67	19.87	4.81	0.34	20.45	373.62
1975.00	4.19	83.37	1974.07	-19.81	20.08	6.65	0.35	21.15	383.32
2000.00	3.90	84.69	1999.01	-19.93	20.26	8.40	1.21	21.94	392.52
2025.00	3.64	84.00	2023.95	-20.03	20.43	10.04	1.08	22.76	401.77
2050.00	3.36	86.95	2048.91	-20.09	20.55	11.56	1.31	23.58	411.36
2075.00	3.57	88.54	2073.86	-20.09	20.61	13.07	0.93	24.40	420.38
2100.00	3.95	87.09	2098.81	-20.09	20.67	14.71	1.56	25.37	429.43
2125.00	4.04	86.22	2123.75	-20.13	20.77	16.45	0.44	26.50	438.37
2150.00	4.18	86.40	2148.68	-20.18	20.89	18.24	0.54	27.73	447.13
2175.00	3.67	85.62	2173.62	-20.23	21.01	19.94	2.05	28.97	455.52
2200.00	2.48	82.65	2198.59	-20.31	21.14	21.28	4.80	29.99	464.19
2225.00	1.98	80.33	2223.57	-20.41	21.28	22.24	2.02	30.78	472.27
2250.00	1.74	81.62	2248.55	-20.51	21.41	23.04	0.97	31.45	479.11
2275.00	1.71	80.97	2273.54	-20.60	21.52	23.79	0.15	32.08	485.87
2300.00	1.60	80.78	2298.53	-20.68	21.63	24.50	0.46	32.69	492.56
2325.00	1.62	79.39	2323.52	-20.78	21.76	25.19	0.18	33.29	499.19
2350.00	1.51	75.94	2348.51	-20.90	21.90	25.86	0.59	33.89	505.74
2375.00	1.35	69.64	2373.51	-21.06	22.08	26.46	0.88	34.46	512.15
2400.00	1.33	71.51	2398.50	-21.23	22.28	27.01	0.19	35.01	518.48
2425.00	1.32	67.89	2423.49	-21.41	22.48	27.55	0.34	35.56	524.79
2450.00	1.36	68.47	2448.48	-21.61	22.70	28.09	0.15	36.12	531.07

MD	INC	AZIM	TVD	VS	+N/-S	HEAW	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
2475.00	1.37	71.77	2473.48	-21.79	22.90	28.65	0.32	36.68	51.37
2500.00	1.27	73.97	2498.47	-21.94	23.07	29.20	0.45	37.22	51.69
2525.00	1.31	72.38	2523.46	-22.08	23.23	29.75	0.21	37.74	52.01
2550.00	1.27	77.03	2548.46	-22.21	23.38	30.29	0.45	38.26	52.33
2575.00	1.26	71.76	2573.45	-22.34	23.53	30.82	0.47	38.78	52.64
2600.00	1.21	72.83	2598.45	-22.48	23.69	31.33	0.22	39.28	52.90
2625.00	1.18	71.68	2623.44	-22.62	23.85	31.83	0.16	39.78	53.15
2650.00	1.18	65.77	2648.44	-22.79	24.04	32.31	0.48	40.27	53.35
2675.00	1.07	65.27	2673.43	-22.97	24.24	32.75	0.41	40.75	53.49
2700.00	1.05	65.88	2698.43	-23.15	24.43	33.18	0.10	41.20	53.63
2725.00	1.03	68.45	2723.42	-23.31	24.61	33.60	0.21	41.65	53.78
2750.00	1.06	60.00	2748.42	-23.49	24.81	34.01	0.63	42.09	53.89
2775.00	1.02	60.90	2773.41	-23.70	25.03	34.40	0.18	42.54	53.96
2800.00	1.06	61.17	2798.41	-23.90	25.25	34.80	0.17	42.99	54.03
2825.00	0.91	59.29	2823.41	-24.10	25.46	35.17	0.62	43.42	54.09
2850.00	0.91	57.76	2848.40	-24.30	25.67	35.51	0.10	43.81	54.13
2875.00	0.79	67.39	2873.40	-24.45	25.84	35.83	0.74	44.18	54.20
2900.00	0.74	54.20	2898.40	-24.60	26.00	36.12	0.73	44.51	54.25
2925.00	0.78	58.70	2923.40	-24.78	26.19	36.40	0.29	44.84	54.27
2950.00	0.76	61.86	2948.39	-24.93	26.35	36.69	0.20	45.17	54.31
2975.00	0.76	63.29	2973.39	-25.07	26.51	36.98	0.08	45.50	54.37
3000.00	1.05	68.04	2998.39	-25.22	26.67	37.35	1.21	45.89	54.47
3025.00	1.54	64.68	3023.38	-25.43	26.89	37.86	1.96	46.44	54.61
3050.00	1.65	64.02	3048.37	-25.71	27.20	38.49	0.48	47.13	54.75
3075.00	1.65	65.72	3073.36	-25.99	27.50	39.14	0.20	47.84	54.91
3100.00	1.66	63.87	3098.35	-26.27	27.81	39.79	0.22	48.55	55.05
3125.00	1.48	65.57	3123.34	-26.54	28.10	40.41	0.74	49.22	55.19
3150.00	1.55	64.82	3148.33	-26.79	28.38	41.01	0.30	49.87	55.32
3175.00	1.45	65.45	3173.33	-27.04	28.65	41.60	0.40	50.52	55.44
3200.00	1.40	56.97	3198.32	-27.32	28.95	42.15	0.87	51.14	55.51
3225.00	1.40	60.21	3223.31	-27.62	29.27	42.67	0.32	51.74	55.55
3250.00	1.41	60.28	3248.30	-27.90	29.57	43.20	0.06	52.35	55.61

MD	INC	AZIM	TVD	VS	+N/S	HE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
3275.00	1.36	61.00	3273.30	28.18	29.87	43.73	0.23	52.96	55.66
3300.00	1.35	62.08	3298.29	28.44	30.15	44.25	0.11	53.54	55.73
3325.00	1.33	60.80	3323.28	-28.70	30.43	44.76	0.14	54.12	55.79
3350.00	1.25	60.90	3348.27	-28.95	30.71	45.25	0.31	54.69	55.84
3375.00	1.33	58.21	3373.27	-29.22	30.99	45.74	0.39	55.25	55.88
3400.00	1.19	57.63	3398.26	-29.49	31.28	46.20	0.55	55.80	55.90
3425.00	1.16	60.60	3423.26	-29.74	31.55	46.64	0.29	56.31	55.93
3450.00	1.15	57.86	3448.25	-29.98	31.80	47.07	0.22	56.81	55.96
3475.00	1.20	62.89	3473.25	-30.22	32.06	47.52	0.46	57.32	56.00
3500.00	1.20	55.92	3498.24	-30.47	32.32	47.97	0.58	57.84	56.03
3525.00	1.16	56.64	3523.24	-30.74	32.61	48.40	0.18	58.36	56.03
3550.00	1.19	58.56	3548.23	-30.99	32.88	48.83	0.19	58.87	56.04
3575.00	1.14	53.70	3573.23	-31.26	33.17	49.25	0.44	59.38	56.04
3600.00	1.14	55.83	3598.22	-31.53	33.45	49.66	0.17	59.88	56.03
3625.00	1.05	54.53	3623.22	-31.79	33.73	50.05	0.36	60.35	56.03
3650.00	0.98	63.80	3648.21	-32.00	33.95	50.43	0.72	60.79	56.05
3675.00	0.97	54.59	3673.21	-32.20	34.17	50.79	0.62	61.22	56.07
3700.00	1.04	63.05	3698.20	-32.41	34.39	51.17	0.65	61.65	56.09
3725.00	1.09	59.71	3723.20	-32.62	34.62	51.57	0.32	62.11	56.13
3750.00	1.10	58.40	3748.20	-32.85	34.86	51.98	0.11	62.59	56.15
3775.00	0.98	59.34	3773.19	-33.07	35.10	52.37	0.48	63.04	56.17
3800.00	1.05	57.11	3798.19	-33.29	35.33	52.75	0.33	63.48	56.19
3825.00	1.12	54.01	3823.18	-33.54	35.60	53.14	0.35	63.96	56.18
3850.00	1.59	49.98	3848.18	-33.89	35.96	53.60	1.94	64.55	56.14
3875.00	1.87	48.49	3873.17	-34.36	36.46	54.17	1.13	65.29	56.06
3900.00	2.03	48.99	3898.15	-34.90	37.02	54.81	0.62	66.14	55.97
3925.00	2.08	46.30	3923.13	-35.47	37.62	55.47	0.44	67.02	55.85
3950.00	2.11	46.93	3948.12	-36.07	38.25	56.13	0.16	67.92	55.73
3975.00	2.05	47.87	3973.10	-36.66	38.86	56.80	0.28	68.82	55.62
4000.00	2.04	48.47	3998.09	-37.23	39.45	57.46	0.10	69.71	55.53
4025.00	2.10	48.46	4023.07	-37.80	40.05	58.14	0.25	70.60	55.44
4050.00	2.02	47.96	4048.05	-38.37	40.65	58.81	0.35	71.49	55.35

SURVEY REPORT

DAISY 24 STATE COM #504H

KEEPER GYRO SURVEY

MD	INC	AZIM	TVD	VS	+N/-S	HE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft	deg
4075.00	2.13	47.44	4073.04	-38.96	41.26	59.48	0.46	72.39	55.25
4100.00	2.10	47.72	4098.02	-39.55	41.88	60.16	0.14	73.30	55.15
4125.00	2.11	46.26	4123.00	-40.15	42.51	60.83	0.22	74.21	55.05
4150.00	2.04	48.40	4147.99	-40.74	43.12	61.49	0.40	75.11	54.96
4175.00	1.95	48.41	4172.97	-41.29	43.70	62.14	0.39	75.97	54.89
4200.00	1.77	50.25	4197.96	-41.80	44.23	62.76	0.74	76.78	54.83
4225.00	1.86	46.85	4222.95	-42.30	44.75	63.35	0.55	77.56	54.76
4250.00	1.59	48.64	4247.93	-42.78	45.26	63.91	1.10	78.31	54.69
4275.00	1.43	51.94	4272.93	-43.18	45.68	64.41	0.73	78.97	54.66
4300.00	1.49	54.69	4297.92	-43.54	46.06	64.92	0.37	79.60	54.65
4325.00	1.26	57.17	4322.91	-43.86	46.40	65.42	0.95	80.20	54.66
4350.00	1.37	57.43	4347.90	-44.15	46.71	65.90	0.45	80.77	54.67
4375.00	1.29	59.58	4372.90	-44.44	47.01	66.40	0.36	81.35	54.70
4400.00	1.15	61.98	4397.89	-44.68	47.27	66.86	0.63	81.88	54.74
4425.00	1.17	59.43	4422.89	-44.91	47.52	67.30	0.23	82.39	54.78
4450.00	1.06	63.59	4447.88	-45.13	47.75	67.73	0.54	82.87	54.82
4475.00	1.01	66.29	4472.88	-45.30	47.94	68.14	0.29	83.32	54.87
4500.00	0.93	56.79	4497.87	-45.49	48.14	68.51	0.72	83.74	54.91
4525.00	0.99	60.63	4522.87	-45.69	48.36	68.87	0.33	84.16	54.92
4550.00	1.01	59.55	4547.87	-45.90	48.58	69.25	0.12	84.59	54.95
4575.00	1.06	54.09	4572.86	-46.13	48.82	69.63	0.43	85.04	54.96
4600.00	1.57	34.92	4597.86	-46.53	49.24	70.01	2.69	85.59	54.88
4625.00	1.69	26.37	4622.85	-47.13	49.85	70.37	1.08	86.24	54.68
4650.00	1.65	26.08	4647.84	-47.77	50.51	70.69	0.17	86.88	54.46
4675.00	1.73	28.23	4672.82	-48.41	51.16	71.03	0.40	87.54	54.24
4700.00	1.77	26.32	4697.81	-49.07	51.84	71.38	0.29	88.22	54.01
4725.00	1.85	25.88	4722.80	-49.77	52.55	71.72	0.35	88.91	53.77
4750.00	1.76	25.30	4747.79	-50.47	53.26	72.07	0.40	89.61	53.53
4775.00	1.74	22.74	4772.78	-51.15	53.96	72.38	0.32	90.27	53.30
4800.00	1.81	23.84	4797.76	-51.85	54.67	72.68	0.31	90.95	53.05
4825.00	1.61	26.73	4822.75	-52.51	55.34	73.00	0.86	91.61	52.83
4850.00	1.68	27.08	4847.74	-53.14	55.98	73.33	0.25	92.25	52.64

SURVEY REPORT

DAISY 24 STATE COM #504H

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
4875.00	1.49	24.43	4872.73	-53.75	56.61	73.63	0.81	92.87	52.45
4900.00	1.48	25.22	4897.72	-54.33	57.19	73.90	0.09	93.44	52.26
4925.00	1.38	26.48	4922.72	-54.88	57.75	74.17	0.40	94.00	52.09
4950.00	1.38	30.16	4947.71	-55.40	58.28	74.46	0.35	94.55	51.95
4975.00	1.51	24.98	4972.70	-55.94	58.84	74.75	0.74	95.13	51.79
5000.00	1.49	27.48	4997.69	-56.52	59.43	75.03	0.28	95.72	51.62
5025.00	1.55	31.53	5022.68	-57.08	60.00	75.36	0.50	96.33	51.47
5050.00	1.55	28.33	5047.68	-57.65	60.59	75.70	0.35	96.96	51.33
5075.00	1.44	26.74	5072.67	-58.22	61.17	76.00	0.46	97.56	51.17
5100.00	1.56	25.65	5097.66	-58.80	61.76	76.29	0.47	98.15	51.01
5125.00	1.47	25.49	5122.65	-59.38	62.35	76.57	0.35	98.75	50.84
5150.00	1.46	23.25	5147.64	-59.95	62.94	76.84	0.23	99.32	50.68
5175.00	1.48	25.14	5172.63	-60.53	63.52	77.10	0.22	99.90	50.52
5200.00	1.45	28.00	5197.62	-61.09	64.09	77.39	0.33	100.48	50.37
5225.00	1.50	23.87	5222.62	-61.66	64.67	77.67	0.48	101.07	50.22
5250.00	1.82	19.26	5247.61	-62.32	65.34	77.93	1.37	101.70	50.02
5275.00	2.23	15.30	5272.59	-63.15	66.19	78.19	1.75	102.44	49.75
5300.00	2.41	16.23	5297.57	-64.11	67.16	78.47	0.73	103.28	49.44
5325.00	2.46	15.43	5322.55	-65.12	68.18	78.76	0.24	104.17	49.11
5350.00	2.44	14.80	5347.52	-66.15	69.22	79.03	0.13	105.06	48.79
5375.00	2.47	15.29	5372.50	-67.17	70.25	79.31	0.13	105.95	48.47
5400.00	2.51	15.85	5397.48	-68.20	71.30	79.60	0.18	106.86	48.15
5425.00	2.48	17.65	5422.45	-69.23	72.34	79.92	0.33	107.79	47.85
5450.00	2.29	13.58	5447.43	-70.22	73.34	80.20	1.01	108.67	47.56
5475.00	2.30	17.95	5472.41	-71.17	74.30	80.47	0.70	109.53	47.28
5500.00	2.19	16.56	5497.39	-72.10	75.24	80.76	0.48	110.38	47.03
5525.00	2.49	18.68	5522.37	-73.06	76.21	81.07	1.21	111.27	46.77
5550.00	2.53	20.99	5547.35	-74.07	77.24	81.44	0.44	112.24	46.52
5575.00	2.99	22.76	5572.32	-75.17	78.36	81.89	1.87	113.34	46.26
5600.00	2.83	21.01	5597.29	-76.33	79.53	82.37	0.75	114.50	46.00
5625.00	2.92	22.31	5622.26	-77.47	80.70	82.83	0.45	115.64	45.75
5650.00	2.74	23.43	5647.23	-78.59	81.83	83.31	0.75	116.78	45.51

SURVEY REPORT

DAISY 24 STATE COM #504H

KEEPER GYRO SURVEY

MD	INC	AZIM	TVD	VS	IN/S	HE/W	DLS	CLOSURE	CLOSURE
ft	deg	deg	ft	ft	ft	ft	%/100ft	DIST	DIR
5675.00	3.09	24.08	5672.19	-79.73	83.00	83.82	1.40	117.96	45.28
5700.00	2.96	23.59	5697.16	-80.92	84.20	84.35	0.53	119.19	45.05
5725.00	3.71	27.59	5722.12	-82.20	85.51	84.98	3.15	120.56	44.82
5750.00	4.15	29.83	5747.06	-83.67	87.01	85.81	1.86	122.20	44.60
5775.00	4.36	29.73	5771.99	-85.24	88.62	86.73	0.85	124.00	44.38
5800.00	4.52	29.18	5796.91	-86.89	90.31	87.68	0.67	125.87	44.16
5825.00	4.30	30.73	5821.84	-88.52	91.97	88.64	1.03	127.74	43.94
5850.00	4.10	30.54	5846.77	-90.06	93.55	89.57	0.78	129.52	43.76
5875.00	4.05	31.58	5871.71	-91.54	95.07	90.49	0.36	131.25	43.59
5900.00	3.99	33.57	5896.65	-92.98	96.55	91.44	0.60	132.97	43.44
5925.00	3.86	34.32	5921.59	-94.36	97.97	92.39	0.58	134.66	43.32
5950.00	3.61	36.77	5946.54	-95.65	99.29	93.33	1.19	136.27	43.23
5975.00	3.21	38.34	5971.49	-96.80	100.47	94.24	1.62	137.75	43.17
6000.00	2.59	42.38	5996.46	-97.73	101.44	95.06	2.60	139.01	43.14
6025.00	2.40	45.98	6021.44	-98.48	102.22	95.81	1.00	140.10	43.15
6050.00	2.37	49.25	6046.41	-99.15	102.92	96.58	0.56	141.14	43.18
6075.00	2.40	45.72	6071.39	-99.83	103.62	97.35	0.60	142.18	43.21
6100.00	2.56	40.57	6096.37	-100.59	104.41	98.09	1.09	143.26	43.21
6125.00	3.14	35.87	6121.34	-101.54	105.39	98.85	2.51	144.50	43.17
6150.00	3.12	37.36	6146.30	-102.60	106.49	99.66	0.34	145.85	43.10
6175.00	3.51	33.85	6171.26	-103.75	107.66	100.50	1.77	147.28	43.03
6200.00	3.25	33.21	6196.21	-104.94	108.89	101.32	1.05	148.74	42.94
6225.00	2.76	31.33	6221.18	-106.02	110.00	102.02	1.99	150.03	42.84
6250.00	2.46	29.37	6246.15	-106.98	110.98	102.60	1.26	151.14	42.75
6275.00	2.13	30.28	6271.13	-107.83	111.85	103.09	1.34	152.12	42.67
6300.00	1.65	20.17	6296.12	-108.56	112.59	103.45	2.33	152.90	42.58
6325.00	1.49	14.62	6321.11	-109.20	113.24	103.66	0.89	153.52	42.47
6350.00	1.46	9.52	6346.10	-109.82	113.87	103.79	0.53	154.08	42.35
6375.00	1.68	5.64	6371.09	-110.50	114.55	103.88	0.97	154.64	42.20
6400.00	1.92	359.47	6396.08	-111.28	115.34	103.91	1.24	155.24	42.02
6425.00	2.23	1.32	6421.06	-112.19	116.24	103.92	1.26	155.92	41.80
6450.00	2.21	359.34	6446.05	-113.15	117.21	103.93	0.32	156.65	41.56

MD	INC	AZIM	TVD	VS	+N/S	HE/W	DLS	CLOSURE	CLOSURE
ft	deg	deg	ft	ft	ft	ft	%/100ft	DIST	DIR
6475.00	2.18	356.63	6471.03	-114.11	118.17	103.89	0.43	157.34	41.32
6500.00	2.25	352.23	6496.01	-115.07	119.13	103.80	0.73	158.00	41.07
6525.00	2.29	352.33	6520.99	-116.06	120.11	103.67	0.16	158.66	40.80
6550.00	1.95	357.80	6545.97	-116.98	121.03	103.58	1.58	159.30	40.56
6575.00	1.89	4.53	6570.96	-117.81	121.86	103.60	0.93	159.95	40.37
6600.00	1.58	12.92	6595.95	-118.56	122.61	103.71	1.59	160.59	40.23
6625.00	1.74	17.11	6620.94	-119.25	123.31	103.90	0.81	161.24	40.12
6650.00	1.84	18.40	6645.92	-119.98	124.05	104.14	0.42	161.97	40.01
6675.00	1.86	17.49	6670.91	-120.74	124.82	104.38	0.14	162.71	39.91
6700.00	2.17	17.50	6695.90	-121.57	125.66	104.65	1.25	163.53	39.79
6725.00	2.09	11.40	6720.88	-122.45	126.55	104.88	0.97	164.37	39.65
6750.00	1.92	3.86	6745.86	-123.31	127.42	105.00	1.24	165.11	39.49
6775.00	1.95	356.80	6770.85	-124.15	128.26	105.00	0.96	165.76	39.31
6800.00	2.02	346.34	6795.83	-125.01	129.11	104.88	1.48	166.34	39.09
6825.00	2.04	344.38	6820.82	-125.88	129.97	104.65	0.29	166.87	38.84
6850.00	2.07	343.95	6845.80	-126.75	130.84	104.41	0.12	167.39	38.59
6875.00	2.11	342.39	6870.79	-127.63	131.71	104.14	0.28	167.91	38.33
6900.00	1.99	330.10	6895.77	-128.46	132.52	103.79	1.82	168.33	38.07
6925.00	2.10	321.51	6920.75	-129.22	133.26	103.29	1.31	168.60	37.78
6950.00	2.15	315.61	6945.74	-129.93	133.95	102.67	0.89	168.78	37.47
6975.00	2.02	306.90	6970.72	-130.56	134.55	101.99	1.36	168.84	37.16
7000.00	1.84	307.63	6995.71	-131.09	135.06	101.32	0.76	168.84	36.88
7025.00	1.75	309.61	7020.69	-131.60	135.55	100.71	0.42	168.87	36.61
7050.00	1.70	312.12	7045.68	-132.12	136.04	100.14	0.36	168.93	36.36
7066.68	1.48	313.75	7062.36	-132.45	136.36	99.80	1.34	168.98	36.20