

COG

SURVEY REPORT

DAISY 24 STATE COM #501H

PIONEER #84

6/5/2019

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

JAKE ELGER

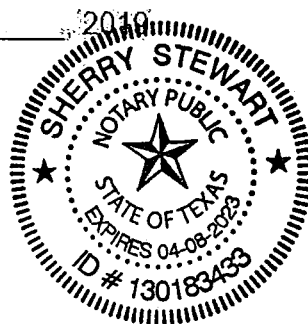
Notarized this date 03 of JULY

Sherry Stewart

Notary Signature

County of Midland

State of Texas



The Ultimate Partner In Wellbore Placement

SURVEY REPORT

DAISY 24 STATE COM #501H

KEEPER GYRO SURVEY

CUSTOMER
PROJECT
FIELD

COG
Daisy 24 State Com #501H
*

SDI JOB NO.
SDI DISTRICT
SDI KIT/UNIT

OP:019085
Midland

SITE INFORMATION

Site Name Daisy 24 State Com #501H
Lat/Long 32.121778° N, 104.15066° W
Northing 408,073.2 ft
Easting 556,552.7 ft

Section
Township
Range

MAP INFORMATION

North Reference Grid North
Grid Correction -0.10 deg
System US State Plane 1927
Datum North American Datum 1927 (Clarke 1866)
Map Zone New Mexico East: 3001

**WELL INFORMATION**

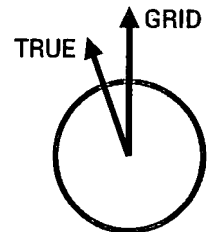
Lat/Long 32.121778° N, 104.15066° W
Northing 408,073.2 ft
Easting 556,552.7 ft
UWI 30-015-45745

DEPTH AND ELEVATION REFERENCE

Ground Level 3051 ft above Mean Sea Level
Reference Datum RKB
Reference Height 25 ft above G.L.
Reference Elevation 3076 ft

VERTICAL SECTION REFERENCE

+N/-S 0 ft
+E/-W 0 ft
Proposal Direction 179.61°
Calculation Method Minimum Curvature

**LOCAL GRAVITY REFERENCE INFORMATION**

Local Gravity 998.526 mG [computed]
True to Grid subtract 0.1°

WELL NOTES

Keeper Gyro Survey

OPERATORS

R. Franco

SDI Operator Name (Printed)

SIGNATURE

DATE

MD	INC	AZIM	TVD	VS	IN/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	0.43	35.91	100.00	-0.30	0.30	0.22	0.43	0.37	35.91
125.00	0.46	28.10	125.00	-0.46	0.47	0.32	0.28	0.56	34.53
150.00	0.44	20.50	150.00	-0.64	0.64	0.40	0.25	0.76	31.92
175.00	0.29	18.56	175.00	-0.79	0.79	0.45	0.60	0.91	29.81
200.00	0.39	30.17	200.00	-0.92	0.93	0.52	0.50	1.06	29.18
225.00	0.57	16.77	225.00	-1.12	1.12	0.60	0.83	1.27	28.04
250.00	0.46	7.81	249.99	-1.34	1.34	0.65	0.54	1.49	25.76
275.00	0.47	29.95	274.99	-1.52	1.53	0.71	0.72	1.69	24.96
300.00	0.47	30.32	299.99	-1.70	1.71	0.81	0.02	1.89	25.52
325.00	0.44	27.64	324.99	-1.87	1.88	0.91	0.13	2.09	25.86
350.00	0.30	38.30	349.99	-2.01	2.02	1.00	0.65	2.25	26.29
375.00	0.30	56.27	374.99	-2.10	2.10	1.09	0.37	2.37	27.41
400.00	0.50	69.92	399.99	-2.17	2.18	1.25	0.88	2.51	29.82
425.00	0.45	46.92	424.99	-2.27	2.28	1.42	0.78	2.69	31.93
450.00	0.55	42.00	449.99	-2.43	2.44	1.57	0.44	2.90	32.84
475.00	0.74	43.98	474.99	-2.63	2.64	1.77	0.77	3.18	33.75
500.00	0.81	43.86	499.99	-2.87	2.89	2.00	0.27	3.51	34.72
525.00	0.95	45.60	524.98	-3.14	3.16	2.27	0.56	3.89	35.71
550.00	1.03	42.84	549.98	-3.45	3.47	2.57	0.38	4.32	36.55
575.00	0.96	38.63	574.97	-3.78	3.80	2.85	0.40	4.75	36.94
600.00	0.87	35.36	599.97	-4.09	4.11	3.09	0.43	5.15	36.95
625.00	0.93	44.08	624.97	-4.39	4.41	3.34	0.60	5.54	37.16
650.00	1.10	48.34	649.96	-4.69	4.72	3.66	0.74	5.97	37.83
675.00	0.99	38.77	674.96	-5.02	5.05	3.98	0.82	6.42	38.25
700.00	0.95	34.79	699.96	-5.35	5.38	4.23	0.32	6.85	38.17
725.00	0.90	37.36	724.95	-5.68	5.71	4.47	0.26	7.25	38.05
750.00	0.89	43.60	749.95	-5.97	6.01	4.72	0.39	7.64	38.17
775.00	0.89	42.58	774.95	-6.26	6.29	4.99	0.06	8.03	38.41
800.00	0.80	41.77	799.94	-6.53	6.56	5.24	0.39	8.40	38.58
825.00	0.57	35.59	824.94	-6.76	6.80	5.42	0.95	8.70	38.60
850.00	0.14	9.66	849.94	-6.89	6.93	5.50	1.80	8.85	38.46

MD	INC	AZIM	TVD	VS	IN/S	FE/W	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
875.00	0.36	273.86	874.94	-6.93	6.96	5.43	1.61	8.83	37.94
900.00	0.59	254.73	899.94	-6.90	6.93	5.23	1.10	8.68	37.00
925.00	0.76	246.48	924.94	-6.80	6.83	4.95	0.79	8.44	35.90
950.00	0.56	243.94	949.94	-6.68	6.71	4.68	0.81	8.19	34.91
975.00	0.67	255.42	974.94	-6.59	6.62	4.43	0.65	7.97	33.80
1000.00	0.67	248.25	999.93	-6.50	6.53	4.16	0.34	7.74	32.46
1025.00	0.60	236.78	1024.93	-6.38	6.41	3.91	0.58	7.50	31.40
1050.00	0.47	234.51	1049.93	-6.25	6.27	3.72	0.54	7.29	30.64
1075.00	0.40	209.65	1074.93	-6.11	6.14	3.59	0.80	7.11	30.31
1100.00	0.50	230.82	1099.93	-5.97	5.99	3.46	0.77	6.92	30.00
1125.00	0.41	219.96	1124.93	-5.83	5.86	3.32	0.51	6.73	29.54
1150.00	0.22	211.74	1149.93	-5.73	5.75	3.24	0.77	6.60	29.39
1175.00	0.29	232.73	1174.93	-5.65	5.67	3.16	0.47	6.49	29.15
1200.00	0.28	218.54	1199.93	-5.56	5.58	3.07	0.29	6.37	28.82
1225.00	0.31	167.90	1224.93	-5.45	5.47	3.05	1.02	6.26	29.14
1250.00	0.27	166.56	1249.93	-5.32	5.34	3.07	0.18	6.17	29.91
1275.00	0.08	226.88	1274.93	-5.26	5.28	3.08	0.95	6.11	30.24
1300.00	0.27	122.11	1299.93	-5.21	5.23	3.11	1.19	6.09	30.75
1325.00	0.51	108.09	1324.93	-5.15	5.17	3.27	1.01	6.12	32.31
1350.00	0.49	91.64	1349.93	-5.11	5.13	3.48	0.57	6.20	34.15
1375.00	0.44	96.42	1374.93	-5.09	5.12	3.68	0.27	6.31	35.75
1400.00	0.71	96.94	1399.92	-5.06	5.09	3.93	1.07	6.43	37.70
1425.00	0.48	100.43	1424.92	-5.02	5.05	4.19	0.91	6.56	39.67
1450.00	1.00	94.17	1449.92	-4.98	5.02	4.51	2.08	6.74	41.95
1475.00	1.15	91.13	1474.92	-4.96	5.00	4.98	0.65	7.05	44.89
1500.00	1.09	87.98	1499.91	-4.96	5.00	5.46	0.35	7.41	47.55
1525.00	1.30	85.15	1524.91	-4.99	5.03	5.98	0.90	7.82	49.95
1550.00	1.37	81.85	1549.90	-5.05	5.10	6.56	0.40	8.31	52.17
1575.00	1.16	83.06	1574.89	-5.12	5.17	7.11	0.85	8.79	53.98
1600.00	1.22	87.15	1599.89	-5.16	5.21	7.63	0.43	9.24	55.64
1625.00	1.34	79.85	1624.88	-5.22	5.28	8.18	0.80	9.74	57.17
1650.00	0.94	68.31	1649.88	-5.35	5.41	8.66	1.84	10.21	58.03

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	0.96	76.80	1674.87	-5.47	5.53	9.05	0.56	10.61	58.59
1700.00	1.11	75.36	1699.87	-5.57	5.64	9.49	0.65	11.04	59.29
1725.00	1.32	73.22	1724.86	-5.72	5.78	10.00	0.84	11.56	59.97
1750.00	1.18	70.76	1749.86	-5.88	5.95	10.52	0.59	12.09	60.51
1775.00	1.16	74.49	1774.85	-6.03	6.10	11.01	0.32	12.59	61.00
1800.00	1.19	79.16	1799.85	-6.14	6.22	11.51	0.40	13.08	61.61
1825.00	1.25	74.63	1824.84	-6.26	6.34	12.03	0.47	13.60	62.20
1850.00	1.28	70.99	1849.84	-6.42	6.51	12.55	0.33	14.14	62.61
1875.00	0.88	62.80	1874.83	-6.60	6.68	12.99	1.69	14.61	62.77
1900.00	0.45	40.59	1899.83	-6.76	6.85	13.22	1.99	14.89	62.63
1925.00	0.52	20.35	1924.83	-6.94	7.03	13.33	0.74	15.07	62.20
1950.00	0.46	11.54	1949.83	-7.14	7.23	13.39	0.38	15.22	61.62
1975.00	0.39	13.33	1974.83	-7.32	7.41	13.43	0.31	15.34	61.10
2000.00	0.39	0.22	1999.83	-7.49	7.58	13.45	0.35	15.44	60.59
2025.00	0.96	314.86	2024.82	-7.72	7.81	13.30	2.94	15.42	59.57
2050.00	1.34	299.01	2049.82	-8.01	8.10	12.90	1.97	15.23	57.87
2075.00	1.47	299.43	2074.81	-8.31	8.40	12.36	0.55	14.94	55.81
2100.00	1.63	299.35	2099.80	-8.65	8.73	11.77	0.62	14.66	53.44
2125.00	1.75	293.96	2124.79	-8.98	9.06	11.11	0.80	14.34	50.82
2150.00	1.67	291.06	2149.78	-9.27	9.35	10.42	0.46	14.00	48.12
2175.00	1.71	289.51	2174.77	-9.54	9.60	9.73	0.23	13.67	45.39
2200.00	1.64	294.00	2199.76	-9.81	9.87	9.05	0.60	13.40	42.53
2225.00	1.68	293.68	2224.75	-10.11	10.16	8.39	0.17	13.18	39.55
2250.00	1.74	290.05	2249.74	-10.39	10.44	7.70	0.50	12.97	36.41
2275.00	1.65	290.55	2274.73	-10.65	10.70	7.01	0.36	12.79	33.22
2300.00	1.57	294.47	2299.72	-10.92	10.97	6.36	0.56	12.68	30.10
2325.00	1.70	296.05	2324.71	-11.23	11.27	5.71	0.55	12.64	26.89
2350.00	1.76	292.77	2349.70	-11.55	11.58	5.03	0.47	12.63	23.47
2375.00	1.70	291.31	2374.68	-11.83	11.86	4.33	0.31	12.63	20.04
2400.00	1.66	292.20	2399.67	-12.11	12.14	3.65	0.19	12.67	16.74
2425.00	1.48	296.25	2424.66	-12.39	12.41	3.02	0.82	12.78	13.69
2450.00	1.75	295.35	2449.65	-12.70	12.72	2.39	1.05	12.94	10.64

MD	INC	AZIM	TVD	VS	N/S	FE/W	DLS	CLOSURE	CLOSURE
ft	deg	deg	ft	ft	ft	ft	%/100ft	DIST	DIR
2475.00	1.74	295.51	2474.64	-13.04	13.05	1.70	0.03	13.16	7.44
2500.00	1.76	292.40	2499.63	-13.35	13.36	1.00	0.39	13.40	4.30
2525.00	1.63	291.92	2524.62	-13.64	13.64	0.32	0.52	13.64	1.34
2550.00	1.58	293.78	2549.61	-13.91	13.91	0.33	0.30	13.91	358.65
2575.00	1.69	296.72	2574.60	-14.22	14.21	-0.97	0.56	14.25	356.08
2600.00	1.90	294.57	2599.59	-14.56	14.55	-1.68	0.89	14.65	353.41
2625.00	1.77	291.80	2624.57	-14.89	14.87	-2.42	0.65	15.06	350.77
2650.00	1.82	289.14	2649.56	-15.16	15.14	-3.15	0.40	15.47	348.25
2675.00	1.67	291.88	2674.55	-15.43	15.41	-3.86	0.69	15.89	345.93
2700.00	1.73	293.14	2699.54	-15.72	15.69	-4.55	0.29	16.34	343.84
2725.00	1.77	293.66	2724.53	-16.03	16.00	-5.25	0.16	16.84	341.83
2750.00	1.84	292.11	2749.52	-16.34	16.30	-5.97	0.33	17.36	339.87
2775.00	1.95	287.20	2774.50	-16.62	16.58	-6.75	0.80	17.90	337.84
2800.00	1.73	288.26	2799.49	-16.87	16.82	-7.52	0.91	18.43	335.92
2825.00	1.73	285.48	2824.48	-17.10	17.04	-8.24	0.34	18.93	334.19
2850.00	1.68	288.09	2849.47	-17.32	17.26	-8.95	0.37	19.44	332.58
2875.00	1.77	289.16	2874.46	-17.56	17.50	-9.67	0.36	19.99	331.08
2900.00	1.80	290.08	2899.44	-17.83	17.76	-10.40	0.16	20.58	329.65
2925.00	1.83	287.59	2924.43	-18.09	18.01	-11.15	0.33	21.18	328.25
2950.00	1.93	288.42	2949.42	-18.35	18.27	-11.93	0.43	21.82	326.86
2975.00	1.88	286.79	2974.40	-18.61	18.52	-12.72	0.28	22.47	325.52
3000.00	1.85	285.24	2999.39	-18.84	18.74	-13.50	0.24	23.10	324.23
3025.00	1.66	289.99	3024.38	-19.07	18.97	-14.23	0.97	23.72	323.13
3050.00	1.81	290.50	3049.37	-19.34	19.24	-14.94	0.60	24.36	322.16
3075.00	1.72	289.69	3074.36	-19.61	19.50	-15.66	0.37	25.01	321.23
3100.00	1.84	290.99	3099.34	-19.88	19.77	-16.39	0.50	25.68	320.34
3125.00	1.87	289.42	3124.33	-20.16	20.05	-17.15	0.24	26.38	319.46
3150.00	1.84	288.71	3149.32	-20.43	20.31	-17.91	0.14	27.08	318.59
3175.00	1.87	286.90	3174.30	-20.69	20.56	-18.68	0.25	27.78	317.74
3200.00	1.83	285.41	3199.29	-20.92	20.78	-19.46	0.25	28.47	316.89
3225.00	1.81	285.03	3224.28	-21.13	20.99	-20.22	0.10	29.15	316.07
3250.00	1.76	285.54	3249.27	-21.34	21.20	-20.97	0.19	29.82	315.30

MD	INC	AZIM	TVD	VS	IN/S	HEAV	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%100ft	ft	deg
3275.00	1.70	287.90	3274.25	21.56	21.42	21.70	0.39	30.49	314.62
3300.00	1.76	288.94	3299.24	21.81	21.65	22.41	0.28	31.17	314.01
3325.00	1.83	288.97	3324.23	-22.07	21.91	-23.16	0.28	31.88	313.41
3350.00	1.87	286.68	3349.22	-22.32	22.16	-23.92	0.32	32.61	312.80
3375.00	1.78	292.31	3374.21	-22.59	22.42	-24.67	0.80	33.34	312.26
3400.00	1.55	305.20	3399.19	-22.93	22.76	-25.31	1.75	34.04	311.97
3425.00	1.61	334.30	3424.19	-23.45	23.27	-25.73	3.18	34.70	312.12
3450.00	1.68	334.86	3449.18	-24.09	23.92	-26.04	0.29	35.36	312.57
3475.00	1.69	332.49	3474.16	-24.76	24.58	-26.37	0.29	36.05	312.99
3500.00	1.69	328.28	3499.15	-25.40	25.22	-26.73	0.50	36.75	313.33
3525.00	1.61	332.05	3524.14	-26.03	25.84	-27.09	0.55	37.44	313.65
3550.00	1.75	331.10	3549.13	-26.67	26.48	-27.44	0.58	38.14	313.99
3575.00	1.72	332.05	3574.12	-27.34	27.15	-27.80	0.16	38.86	314.32
3600.00	1.63	328.22	3599.11	-27.98	27.78	-28.16	0.58	39.56	314.61
3625.00	1.51	334.73	3624.10	-28.58	28.38	-28.49	0.87	40.22	314.89
3650.00	1.59	335.19	3649.09	-29.19	29.00	-28.78	0.35	40.85	315.22
3675.00	1.53	331.59	3674.08	-29.80	29.61	-29.08	0.47	41.50	315.51
3700.00	1.49	330.22	3699.07	-30.38	30.18	-29.40	0.20	42.13	315.75
3725.00	1.47	332.94	3724.07	-30.95	30.75	-29.71	0.30	42.76	315.99
3750.00	1.50	328.62	3749.06	-31.52	31.31	-30.02	0.47	43.38	316.20
3775.00	1.37	330.13	3774.05	-32.06	31.85	-30.34	0.56	43.99	316.39
3800.00	1.27	336.35	3799.04	-32.57	32.36	-30.60	0.68	44.54	316.60
3825.00	1.41	335.95	3824.04	-33.11	32.90	-30.84	0.54	45.09	316.85
3850.00	1.41	328.01	3849.03	-33.65	33.44	-31.13	0.78	45.69	317.05
3875.00	1.27	330.11	3874.02	-34.16	33.94	-31.43	0.61	46.26	317.20
3900.00	1.36	335.38	3899.02	-34.67	34.45	-31.69	0.61	46.81	317.39
3925.00	1.47	333.19	3924.01	-35.23	35.01	-31.96	0.47	47.40	317.61
3950.00	1.48	332.04	3949.00	-35.80	35.58	-32.26	0.12	48.02	317.81
3975.00	1.95	336.11	3973.99	-36.47	36.25	-32.58	1.94	48.74	318.06
4000.00	2.76	348.93	3998.97	-37.45	37.23	-32.87	3.84	49.66	318.56
4025.00	3.08	346.69	4023.93	-38.70	38.47	-33.14	1.37	50.78	319.26
4050.00	3.11	344.67	4048.90	-40.01	39.78	-33.47	0.45	51.99	319.92

MD	INC	AZIM	TVD	VS	N/S	E/W	DLS	CLOSURE	CLOSURE
ft	deg	deg	ft	ft	ft	ft	%/100ft	DIST	DIR
4075.00	3.02	347.06	4073.86	-41.30	41.07	-33.80	0.62	53.19	320.55
4100.00	3.18	346.40	4098.83	-42.62	42.39	-34.11	0.68	54.41	321.18
4125.00	3.14	344.86	4123.79	-43.96	43.73	-34.45	0.39	55.66	321.77
4150.00	2.96	346.12	4148.75	-45.25	45.01	-34.78	0.75	56.88	322.31
4175.00	3.01	346.76	4173.72	-46.52	46.28	-35.09	0.24	58.08	322.83
4200.00	2.96	346.58	4198.68	-47.78	47.55	-35.39	0.21	59.27	323.34
4225.00	2.90	344.50	4223.65	-49.02	48.78	-35.70	0.49	60.45	323.80
4250.00	2.79	339.71	4248.62	-50.20	49.96	-36.08	1.04	61.63	324.16
4275.00	2.73	340.94	4273.59	-51.34	51.09	-36.49	0.33	62.79	324.47
4300.00	2.82	339.63	4298.56	-52.48	52.23	-36.90	0.43	63.95	324.76
4325.00	2.61	338.84	4323.54	-53.59	53.34	-37.32	0.83	65.10	325.02
4350.00	2.61	338.38	4348.51	-54.65	54.40	-37.73	0.08	66.20	325.25
4375.00	2.62	342.78	4373.48	-55.73	55.47	-38.11	0.80	67.30	325.51
4400.00	2.61	338.96	4398.46	-56.81	56.55	-38.48	0.70	68.40	325.76
4425.00	2.41	339.27	4423.43	-57.83	57.57	-38.87	0.77	69.47	325.97
4450.00	2.35	337.04	4448.41	-58.80	58.54	-39.26	0.45	70.48	326.15
4475.00	2.31	339.41	4473.39	-59.75	59.48	-39.64	0.42	71.48	326.32
4500.00	2.33	335.63	4498.37	-60.68	60.41	-40.02	0.62	72.47	326.47
4525.00	2.15	335.79	4523.35	-61.58	61.30	-40.43	0.72	73.43	326.60
4550.00	2.15	340.54	4548.33	-62.45	62.17	-40.78	0.71	74.35	326.74
4575.00	2.11	338.88	4573.32	-63.32	63.05	-41.10	0.30	75.26	326.90
4600.00	2.04	337.71	4598.30	-64.17	63.89	-41.43	0.31	76.15	327.04
4625.00	2.09	335.14	4623.28	-65.00	64.71	-41.79	0.41	77.04	327.14
4650.00	2.10	336.97	4648.27	-65.83	65.55	-42.16	0.27	77.94	327.25
4675.00	2.11	332.52	4673.25	-66.67	66.38	-42.56	0.66	78.85	327.34
4700.00	2.00	330.24	4698.23	-67.46	67.17	-42.98	0.55	79.74	327.38
4725.00	2.00	333.09	4723.22	-68.23	67.93	-43.40	0.40	80.61	327.43
4750.00	1.97	334.54	4748.20	-69.01	68.71	-43.78	0.23	81.47	327.50
4775.00	2.05	330.52	4773.19	-69.79	69.49	-44.19	0.65	82.35	327.55
4800.00	1.96	333.35	4798.17	-70.56	70.26	-44.60	0.53	83.22	327.59
4825.00	2.13	341.14	4823.16	-71.38	71.08	-44.94	1.30	84.10	327.70
4850.00	2.90	354.46	4848.13	-72.46	72.15	-45.15	3.86	85.11	327.96

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	3.17	356.92	4873.10	-73.78	73.47	-45.25	1.20	86.29	328.37
4900.00	3.23	358.93	4898.06	-75.17	74.87	-45.30	0.50	87.51	328.82
4925.00	3.23	356.85	4923.02	-76.58	76.27	-45.35	0.47	88.74	329.27
4950.00	3.13	359.15	4947.98	-77.97	77.66	-45.40	0.65	89.96	329.69
4975.00	3.19	359.98	4972.94	-79.34	79.03	-45.39	0.67	91.14	330.13
5000.00	3.18	359.10	4997.90	-80.73	80.42	-45.32	0.25	92.31	330.59
5025.00	3.50	359.96	5022.86	-82.18	81.87	-45.25	1.31	93.55	331.07
5050.00	3.71	359.30	5047.81	-83.75	83.44	-45.13	1.03	94.87	331.59
5075.00	3.83	9.29	5072.76	-85.38	85.08	-44.92	1.15	96.21	332.16
5100.00	3.91	8.67	5097.70	-87.05	86.74	-44.66	0.36	97.57	332.76
5125.00	3.93	9.71	5122.64	-88.73	88.43	-44.39	0.29	98.95	333.35
5150.00	3.79	9.52	5147.59	-90.39	90.09	-44.11	0.60	100.31	333.92
5175.00	3.71	13.64	5172.53	-91.99	91.69	-43.78	1.12	101.61	334.48
5200.00	3.82	10.47	5197.48	-93.59	93.30	-43.44	0.94	102.91	335.03
5225.00	3.72	10.64	5222.42	-95.20	94.91	-43.14	0.39	104.25	335.56
5250.00	3.57	8.83	5247.37	-96.77	96.48	-42.87	0.78	105.57	336.04
5275.00	3.66	10.51	5272.32	-98.32	98.03	-42.60	0.56	106.89	336.51
5300.00	3.66	10.45	5297.27	-99.88	99.60	-42.31	0.02	108.21	336.98
5325.00	3.57	10.28	5322.22	-101.43	101.15	-42.03	0.36	109.53	337.44
5350.00	3.41	12.97	5347.18	-102.92	102.64	-41.72	0.91	110.79	337.88
5375.00	3.53	15.18	5372.13	-104.38	104.11	-41.35	0.72	112.02	338.34
5400.00	3.53	13.28	5397.08	-105.88	105.60	-40.98	0.47	113.27	338.79
5425.00	3.45	13.63	5422.04	-107.35	107.08	-40.62	0.34	114.53	339.23
5450.00	3.36	11.63	5446.99	-108.80	108.53	-40.30	0.59	115.77	339.63
5475.00	3.44	6.23	5471.95	-110.27	109.99	-40.07	1.32	117.06	339.99
5500.00	3.54	6.44	5496.90	-111.78	111.51	-39.90	0.40	118.43	340.31
5525.00	3.70	5.48	5521.85	-113.35	113.08	-39.73	0.68	119.86	340.64
5550.00	3.82	3.48	5546.80	-114.98	114.71	-39.61	0.71	121.36	340.95
5575.00	3.77	2.44	5571.74	-116.63	116.37	-39.52	0.34	122.90	341.24
5600.00	3.68	1.34	5596.69	-118.26	117.99	-39.47	0.48	124.42	341.51
5625.00	3.54	1.76	5621.64	-119.83	119.56	-39.42	0.55	125.90	341.75
5650.00	3.55	359.87	5646.59	-121.37	121.11	-39.40	0.47	127.36	341.98

SURVEY REPORT

DAISY 24 STATE COM #501H

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	3.48	359.02	5671.55	-122.91	122.64	-39.42	0.34	128.82	342.18
5700.00	3.36	359.52	5696.50	-124.40	124.14	-39.44	0.50	130.25	342.38
5725.00	3.29	359.16	5721.46	-125.85	125.59	-39.43	0.49	131.63	342.57
5750.00	3.32	359.11	5746.42	-127.29	127.03	-39.40	0.14	133.00	342.77
5775.00	3.14	358.99	5771.38	-128.70	128.44	-39.40	0.87	134.34	342.95
5800.00	3.01	357.40	5796.34	-130.04	129.77	-39.44	0.63	135.64	343.10
5825.00	2.97	0.55	5821.31	-131.34	131.08	-39.46	0.68	136.89	343.24
5850.00	3.13	358.59	5846.27	-132.67	132.41	-39.47	0.77	138.16	343.40
5875.00	3.28	353.56	5871.23	-134.06	133.80	-39.57	1.28	139.53	343.52
5900.00	3.30	352.57	5896.19	-135.49	135.22	-39.74	0.25	140.94	343.62
5925.00	3.37	352.30	5921.15	-136.93	136.67	-39.94	0.26	142.38	343.71
5950.00	3.32	351.53	5946.11	-138.38	138.11	-40.14	0.27	143.82	343.79
5975.00	3.10	347.08	5971.07	-139.75	139.48	-40.40	1.32	145.22	343.85
6000.00	2.94	345.81	5996.03	-141.04	140.76	-40.71	0.70	146.53	343.87
6025.00	3.00	344.06	6021.00	-142.29	142.01	-41.04	0.43	147.83	343.88
6050.00	3.03	337.77	6045.97	-143.53	143.26	-41.47	1.33	149.14	343.85
6075.00	2.82	336.23	6070.93	-144.71	144.43	-41.97	0.93	150.40	343.80
6100.00	2.83	336.50	6095.90	-145.84	145.56	-42.46	0.07	151.62	343.74
6125.00	2.84	333.68	6120.87	-146.97	146.68	-42.99	0.56	152.85	343.67
6150.00	3.31	333.74	6145.84	-148.17	147.88	-43.58	1.87	154.17	343.58
6175.00	3.58	330.48	6170.79	-149.51	149.21	-44.28	1.31	155.64	343.47
6200.00	3.43	329.59	6195.74	-150.83	150.53	-45.05	0.62	157.13	343.34
6225.00	3.45	327.45	6220.70	-152.12	151.81	-45.83	0.52	158.58	343.20
6250.00	3.31	323.20	6245.66	-153.34	153.02	-46.67	1.14	159.98	343.04
6275.00	3.06	321.10	6270.62	-154.44	154.12	-47.52	1.12	161.28	342.86
6300.00	2.97	322.99	6295.58	-155.48	155.15	-48.33	0.55	162.51	342.70
6325.00	2.70	322.60	6320.55	-156.47	156.14	-49.07	1.05	163.67	342.55
6350.00	2.44	325.37	6345.53	-157.38	157.05	-49.73	1.18	164.73	342.43
6375.00	2.32	327.41	6370.51	-158.25	157.91	-50.31	0.57	165.73	342.33
6400.00	2.09	326.03	6395.49	-159.06	158.71	-50.84	0.97	166.66	342.24
6425.00	2.15	327.27	6420.47	-159.83	159.49	-51.34	0.31	167.55	342.15
6450.00	2.21	334.14	6445.45	-160.66	160.31	-51.81	1.07	168.48	342.09

MD	INC	AZIM	TVD	VS	CN/S	FEAW	DLS	CLOSURE DIST	CLOSURE DIR
ft	deg	deg	ft	ft	ft	ft	%/100ft	ft	deg
6475.00	2.17	345.42	6470.43	-161.56	161.21	-52.14	1.73	169.43	342.08
6500.00	1.96	343.52	6495.42	-162.43	162.08	-52.38	0.88	170.33	342.09
6525.00	1.57	346.17	6520.41	-163.17	162.82	-52.58	1.61	171.10	342.10
6550.00	1.23	347.78	6545.40	-163.77	163.41	-52.72	1.34	171.71	342.12
6575.00	0.69	325.35	6570.39	-164.15	163.80	-52.86	2.62	172.12	342.11
6600.00	0.63	305.06	6595.39	-164.36	164.00	-53.06	0.95	172.37	342.07
6625.00	0.79	317.88	6620.39	-164.57	164.21	-53.29	0.89	172.64	342.02
6650.00	1.45	330.85	6645.39	-164.97	164.61	-53.56	2.80	173.10	341.98
6675.00	1.73	325.43	6670.38	-165.56	165.20	-53.92	1.28	173.77	341.92
6700.00	1.97	325.30	6695.36	-166.23	165.86	-54.38	0.95	174.55	341.85
6725.00	2.78	339.87	6720.34	-167.15	166.78	-54.83	4.03	175.56	341.80
6750.00	3.83	347.41	6745.30	-168.54	168.17	-55.23	4.55	177.00	341.82
6775.00	4.44	348.93	6770.24	-170.30	169.93	-55.59	2.45	178.79	341.88
6800.00	4.71	349.45	6795.16	-172.27	171.89	-55.97	1.11	180.77	341.96
6825.00	4.56	348.81	6820.07	-174.25	173.87	-56.35	0.63	182.78	342.04
6850.00	4.25	345.79	6845.00	-176.13	175.75	-56.77	1.55	184.69	342.10
6875.00	4.09	342.90	6869.93	-177.89	177.50	-57.26	1.07	186.51	342.12
6900.00	3.77	342.67	6894.87	-179.53	179.14	-57.77	1.27	188.22	342.13
6925.00	3.61	339.70	6919.82	-181.05	180.66	-58.28	0.99	189.83	342.12
6950.00	3.55	336.91	6944.77	-182.51	182.11	-58.86	0.75	191.39	342.09
6963.00	3.40	338.81	6957.75	-183.24	182.84	-59.16	1.43	192.17	342.07