



# Directional Survey Report

**Calpine Corp**

Well ID: Prati # 5

Well Name: Prati # 5

Field: Geysers

Sect: 36 Town: 12N Rng: 9W County: Sonoma State: CA

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates		Closure	Vertical Section	Dog Leg Severity
					N-S	E-W			
<b>Well Bore: Original Well Bore</b>				<b>Plane of Vertical Section: 63.43</b>					
** Tieln	6,219.0	8.64	63.54	6,169.7	-82.7	432.7		0.0	
MWD	6,289.0	12.75	42.4	6,238.5	-74.6	442.6	448.9	362.5	8.025
MWD	6,352.0	15.22	31.69	6,299.6	-62.4	451.7	456.0	376.0	5.663
MWD	6,479.0	13.34	41.38	6,422.7	-37.3	470.1	471.6	403.8	2.390
MWD	6,511.0	11.90	42.33	6,453.9	-32.0	474.8	475.9	410.3	4.546
DIGITA	6,742.0	10.80	45.3	6,680.4	0.8	506.2	506.2	453.1	0.539
DIGITA	6,868.0	10.80	41.3	6,804.2	18.0	522.4	522.7	475.3	0.595
DIGITA	7,090.0	11.00	37	7,022.2	50.5	548.9	551.2	513.5	0.377
DIGITA	7,316.0	10.90	36.5	7,244.1	84.9	574.6	580.8	551.8	0.061
DIGITA	7,730.0	11.60	34.5	7,650.1	150.7	621.4	639.4	623.2	0.194
DIGITA	8,037.0	12.10	28.8	7,950.6	204.3	654.4	685.5	676.7	0.414
DIGITA	8,291.0	12.60	23.3	8,198.7	253.1	678.2	723.9	719.8	0.503
DIGITA	8,606.0	13.30	18.7	8,505.7	319.0	703.4	772.3	771.8	0.395
DIGITA	8,924.0	12.90	14.9	8,815.4	387.9	724.2	821.6	821.3	0.299
DIGITA	9,425.0	12.10	7.3	9,304.6	494.0	745.3	894.2	887.6	0.365
DIGITA	10,396.0	12.10	7.3	10,254.0	695.9	771.2	1,038.8	1,001.0	0.000

Calculations using Minimum Curvature Method