



# FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	300'	300'	Mostly sand with a little interbedded shale
300	900	600	Mostly grey shale with little interbedded sand
800	900	100	Shale, grey to tan
900	930	30	Loose sand
930	1120	90	Grey shale with thin interbedded sands
1120	1700	580	Shale grey, green, black
1700	1740	40	Sand, white
1740	1850	90	Interbedded sands and shales
1850	1950	100	White sand
1950	2070	120	Interbedded sands and shales
2070	2190	120	Sand, white
2190	2650	460	Shale, grey, black, green, traces of coal
2650	2670	20	Coal
2670	2810	140	Sand, grey to white with little interbedded shale
2810	2830	20	Black shale and coal
2830	2900	70	Sand, grey, hard, tight
2900	2930	80	Shale, grey to green
2930	3000	20	Grey shale and coal
3000	3080	80	Sand and shale
3080	4400	1320	Mostly dark grey to black shale with a few thin interbedded sand lenses
4400	4430	30	Sand, white to tan
4430	4490	60	Grey to black shale with little coal
4490	4560	70	Sand, white to grey with little interbedded grey shale
4560	4610	50	Grey shale with a little interbedded sand & siltstone
4610	4730	120	Light grey sand with thin interbedded dark grey shale
4730	4750	20	Shale grey to black with little coal
4750	4790	40	Shale, grey to black
4790	4800	10	Coal with black shale
4800	4900	100	Shale, grey to black
4900	5100	200	Shale, grey to black with thin interbedded grey sands
5100	5410	310	
			This section drilled in with gas no sample
			Electric Log Tops -      Pictured Cliffs      2,920
			Cliffhouse      4,500
			Menefee      4,698

