

[0056] In one example where the wireline tool 508 is a perforating gun or string, delivering electricity to the perforating gun via the wireline 510 can initiate detonation of shaped charges (not shown) in the wireline tool 508. Detonating the shaped charges in turn creates metal jets that create perforations 518 extending through casing 520 that lines the wellbore 502 and into the surrounding formation 504. In an alternate embodiment, the wireline tool 508 can be deployed on coiled tubing (not shown), and where electrical and signal communication between the wireline tool 508 and surface can be via the wireline 510, or another communication means disposed in or with the coiled tubing that transfers signals and/or electricity. Examples of another communication means include conductive materials, such as metal or conductive composites, fiber optics, or wireless.

[0057] One significant advantage provided by the present invention is that it will allow the use of clean and quiet electric equipment for wireline to be used, further eliminating the need for diesel fuel. It will be a step towards creating a more environmentally conscious fracturing operation.

[0058] The power generation equipment can be trailer mounted, skid mounted, truck mounted, or permanently fixed depending upon the application. The transformer can be part of the auxiliary unit or separate stand-alone so that it can provide a bigger step down in electricity. Electricity can also be generated at a single voltage to be used in the equipment, eliminating the need for a transformer. The transformer can be used to provide any voltage required to power any wireline equipment; and using the system of the present invention, it will be possible to provide power to any third party company on a well site.