

CLAIMS

What is claimed is.

1. A fracturing system comprising:
a turbine generator having an electrical output;
an electric motor that is in electrical communication with the electrical output;
a fracturing pump that is driven by the electric motor; and
a wireline system that is in electrical communication with the electrical output.
2. The system of claim 1, further comprising a variable frequency drive connected to the electric motor to control the speed of the motor, wherein the variable frequency drive frequently performs electric motor diagnostics to prevent damage to the at least one electric motor.
3. The system of claim 1, wherein the wireline system comprises a wireline tool that is disposable in a wellbore that is selected from the group consisting of a perforating gun, a plug, a formation logging tool, a cutting tool, a casing imaging tool, and combinations thereof.
4. The system of claim 1, further comprising trailers that contain at least one power distribution panel that supplies power to the hydraulic fracturing equipment.
5. The system of claim 4, where the trailers further contain receptacles for attaching cable to the hydraulic fracturing equipment and cables that can sustain the power draw of the turbines with three separate plugs for the three phase power.
6. The system of claim 1, wherein at least one weatherproofed switchgear is connected to the at least one turbine and includes at least one air conditioner, external deck, walkway, and vacuum circuit breaker.