

and outgoing power to the auxiliary unit. On the other side of the trailer from these connections are connections for outgoing power to more transformers for the fracturing pumps.

[0014] Embodiments of the invention include switchgears, which are built to be weatherproof, and able to withstand the wear and tear of mobilization. The switchgears include shock absorbers, placed near the mounting bolts holding the switchgear housing to the trailer frame and near the bolts holding the externally mounted control panels in place. The invention includes two air conditioning units that are installed within the switchgear units to monitor the temperature and to make sure the internal electronics stay within their operating parameters and do not overheat. Embodiments can include two units or a single unit. The trailer has standard air brakes and a front landing gear to ensure the switchgear will not roll or shift its base.

[0015] Embodiments of the invention can also include external decks/walkways that have hand rails in place for meeting the Occupational Health and Safety Association's standards. The whole switchgear is constructed according to the standards of the National Environmental Management Act, American National Standards Institute, and the National Fire Protection Association. It includes vacuum circuit breakers, which are installed in draw-out enclosures, which allow them to be removed and replaced in a timely manner. The switchgear is also designed in accord with the Institute of Electrical and Electronics Engineers standards C37.04, C37.06, and C37.20.2 with the following ratings: Maximum Voltage (rms): 13.8 kV, ANSI Rating Basis: MVA Rated, Operating Voltage: 13.8 kV, Short Circuit Current Rating: 25 KA, Close Voltage: 125 VDC, Trip Voltage: 125 VDC.

[0016] Further embodiments include that the switchgear is insulated with fire resistant material and that the doors on the trailer can be locked from the outside. The inside of the switchgear is illuminated with standard 120V LED lights and also includes an emergency light if