

Does Occidental have an electric well service rig?

Axis Energy Services announces its successful deployment of the oil and gas industry's first fully electric well service rig on wells operated by Occidental. Axis' EPIC RIG(TM) provides improvements in safety and efficiency, as well as the ability to run on grid power for reduced emissions and increased fuel flexibility.

What rigs are bringing to well services?

Explore some of the innovations the EPIC RIG(TM) is bringing to well services. Axis' EPIC RIG(TM) is the first fully electric service rig, engineered to deliver safer, more efficient, more reliable well services. Explore the EPIC RIG(TM) now.

What is axis well service rig?

Axis is pioneering a new generation of well service rigs engineered to deliver safer, more efficient, more reliable operations with fewer emissions. Axis provides full rig packages and a comprehensive range of well services, from 24-hour frac plug drill outs to daylight workovers to plugging and abandonment.

How does Axis reimagine a service rig?

The switch to electric power has enabled Axis to reimagine the way a service rig operates. The dynamic braking system on the EPIC RIG(TM) replaces the traditional mechanical brake, the most common area for equipment-related NPT on a service rig.

Can electric energy storage be used for drilling based on electric-chemical generators?

The article outlines development of an electric energy storage system for drilling based on electric-chemical generators. Description and generalization are given for the main objectives for this system when used on drilling rigs isolated within a single pad, whether these are fed from diesel gensets, gas piston power plants, or 6-10 kV HV lines.

Why do drilling rigs need a permanent energy source?

An energy source permanently integrated into the rig circuit will allow drilling contractors to compensate for voltage dips and surges, which will reduce emergency shutdowns and downtime of drilling equipment (Chervonchenko and Frolov 2020), minimize drilling hazards, and improve the DPS operation stability.

6. Flexibility and Integration: Fully electric workover rigs can integrate with other renewable energy sources and energy storage systems. For example, solar panels or wind turbines can provide electricity to charge the ...

Compared with conventional diesel workover rig, the energy saving rate of electric energy storage workover rig is 87.3%, the energy consumption of single well of electric energy storage workover rig can save 86.7%, moving efficiency ...

DALLAS, March 11, 2024 /PRNewswire/ -- Axis Energy Services announces its successful deployment of the oil and gas industry's first fully electric well service rig on wells operated by ...

Axis Energy Services announced on March 11 its successful deployment of what it describes as the oil and gas industry's first fully electric well service rig, this one devoted to wells operated by Occidental. Axis' "Epic Rig" ...

10 ???&#0183; Tiger General says it has been making swab rigs since 1925, whereas well service rig manufacturer Wichtex says that it started to field units in 1930. Stewart & Stevenson ...

The EPIC RIG(TM) is the first well service rig engineered around an electric drawworks. Pairing a VFD drawworks motor with a built-in PLC system, EPIC offers an unprecedented fusion of power and control--but that's only the ...

The EPIC RIG VFD (variable frequency drive) can connect to the public power grid through a transformer, enabling operators to leverage renewable energy sources, eliminate emissions at the well site and save ...

Dallas-Based Axis Deploys Industry's First Fully Electric Well Service Rig Axis Energy Services said its EPIC RIG provides improvements in safety and efficiency, as well as ...

Axis Energy Services is an integrated well service company leading the revolution in plug and abandonment solutions. Explore our services for the lifecycle of the well. ... Introducing the first ...

In this article, the aim is to develop a model for efficient energy management using hybrid energy to power a drilling rig. This involves utilizing wind turbines and emergency ...

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In Wyoming, Ensign Energy Services Rig 147 uses an innovative system that consists of three 1-MW Cat &#174; G3512 generator sets fueled by natural gas, paired with lithium-ion batteries that ...

Industrial Service Solutions designs, manufacturers and repairs electric motors for the world's largest machines and harshest operating conditions. ISS distributes OEM and custom build a ...

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braking system on the EPIC RIG replaces the traditional mechanical brake, the most...

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