PWR Rentals personnel quickly delivered crane on site to help prevent potential gas well blowout.

**Overview**

While drilling a natural gas well in North Louisiana, a global oil and gas company encountered an emergency situation. A rig operated by another company was about to lose its top drive system due to frayed cables supporting the system. Another crane operator was under contract, but unable to help with the emergency repair. The company called at 9:00 p.m. to see how quickly PWR Rentals could transport a crane to the rig site.

PWR Rentals was on the scene the next morning, quickly assessing the situation and ordering permits for a 200-ton crane to be transported to the site. Within 15 hours of the first call, PWR Rentals had a crane on site and a plan in place. Personnel replaced the frayed cable and had the rig operational by the next day, helping avoid a potential blowout. The company was so pleased it hired PWR Rentals for four more jobs the next day.

### CHALLENGE

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<th>CHALLENGE</th>
<th>SOLUTION</th>
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<td><strong>Emergency created immediate need for crane</strong>&lt;br&gt;Cables supporting the top drive system of a gas rig frayed, creating an emergency situation. The cables needed to be replaced immediately, or the equipment could have fallen, potentially causing a blowout. Another crane operator on site was unable to perform the job.</td>
<td><strong>PWR Rentals delivered crane in 15 hours</strong>&lt;br&gt;The operator called at 9:00 p.m. to find out if PWR Rentals could transport a 200-ton crane to the site to help perform emergency repairs. PWR Rentals rerouted personnel the next morning to assess the situation and delivered a crane within 15 hours of the initial call.</td>
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<td><strong>Permits needed to transport crane to rig site</strong>&lt;br&gt;The location of the well was an hour and a half from PWR Rentals headquarters. Permits from the Louisiana Department of Transportation (DOT) are required when moving large equipment. In addition, the equipment can only be transported during the day.</td>
<td><strong>Permits obtained within one hour</strong>&lt;br&gt;PWR Rentals personnel worked on site to obtain the proper DOT permits within an hour, a process that usually takes 24 to 48 hours of advance notice. A PWR Rentals crew transported the 200-ton crane the same morning and arrived on site by noon.</td>
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<td><strong>Size of crane and critical job posed safety challenges</strong>&lt;br&gt;When PWR Rentals received the emergency call, there were many questions that needed to be answered. Personnel needed to know whether the crane could fit into the work area and if there was room to maneuver it safely.</td>
<td><strong>PWR Rentals created safety plan for job</strong>&lt;br&gt;Once on site, PWR Rentals personnel determined that the 200-ton crane needed for the job could fit and maneuver safely to complete the job. PWR Rentals crews coordinated with rig personnel to perform the repair job safely.</td>
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Cables holding the 70,000 lb. top drive system of the rig frayed, compromising the rig safety. This major global operator needed a solution to facilitate repairs quickly.

PWR Rentals personnel obtained Louisiana Department of Transportation permits to move the 200-ton crane to the rig site within one hour, a process that normally takes 24 to 48 hours.

PWR Rental’s fast response and careful planning helped the operator complete the needed repairs to the top drive system and avoid excessive nonproductive time.

PWR Rentals had a 200-ton crane at the rig site within 15 hours of the initial call. Within 36 hours, the rig was back in operation.
Global operator encountered emergency situation with rig

While drilling a gas well in North Louisiana, a global oil and gas company halted production after cables on its top drive system frayed. These cables were holding up the 70,000 pound piece of equipment, and there could have been catastrophic results if it fell and hit the drilling floor. Workers in the area were immediately evacuated and the entire section of the rig was barricaded.

Operators at the site had a company on standby with a 200-ton crane that could hold the top drive system in place while repair work could be completed. However, the crane operator was unable to perform the job because he could not produce the proper NCCCO certification required to operate the crane.

Operator called PWR Rentals to help with emergency

Needing a new solution quickly, the company called late that night to find out if PWR Rentals could help. PWR Rentals jumped into action, calling its best people to head out to the job site the next morning and assess the situation. PWR Rentals also rerouted workers from previously scheduled assignments to help with this emergency situation.

The next morning, PWR Rentals personnel were on site. Personnel were able to determine that the 200-ton crane could safely get into position to hold up the top drive system and that the job could be done without compromising worker safety or damaging PWR Rentals equipment.

PWR Rentals crane arrived on site within 15 hours

PWR Rentals personnel obtained the Louisiana Department of Transportation permits required to move the 200-ton crane within one hour, a process that can take as long as 24 to 48 hours, and transported the huge crane the same morning.

The PWR Rentals crane and its operator arrived on the job site by noon, just 15 hours after the initial call was received. The crane was moved into position and workers were able to begin work that afternoon on the critical repair job.
**PWR Rentals helped operator during emergency situation in North Louisiana**

**PWR Rentals crane easily handled heavy equipment**

The 200-ton crane used by PWR Rentals secured the 70,000 lb. top drive system with ease. The crane has protective hydraulic and electrical systems, a strong telescoping load capability, and the strongest winch line pull in its class. The six-section latching boom and boom extensions allowed it to get into the work area without damaging the crane or surrounding equipment. The crane also features a cockpit graphics control center that allows the crane operator quick access to driving and crane operation data during such a critical job.

**Rig repaired and operational by the next day**

Communication and timing on this emergency repair was key. The crane operator successfully maneuvered the crane into position, taking the weight off of the top drive system so workers could change the cables without causing the equipment to fall. All personnel actively communicated throughout the entire process, ensuring worker safety. Once the crane was in place and workers were able to replace the cable, the operation was completed within 18 hours. By the next morning, the new cables were successfully tested and production resumed.

**PWR Rentals helped save time and money, avoid catastrophe**

Jobs involving a 200-ton crane can take up to a week of advance preparation. Planning the job and obtaining the necessary permits can take days of coordination. PWR Rentals delivered the crane and crew on site within 15 hours of the initial call and helped complete the job within 36 hours.

PWR Rentals response time saved the operator nonproductive time and helped it avoid a potential catastrophe that could have cost millions of dollars. If the top drive system had fallen, it could have lead to injuries, significant damage to the rig, or even a blowout of the well. The company was so pleased with the success and speed of the job performed by PWR Rentals, it hired PWR Rentals for four more jobs the next day.