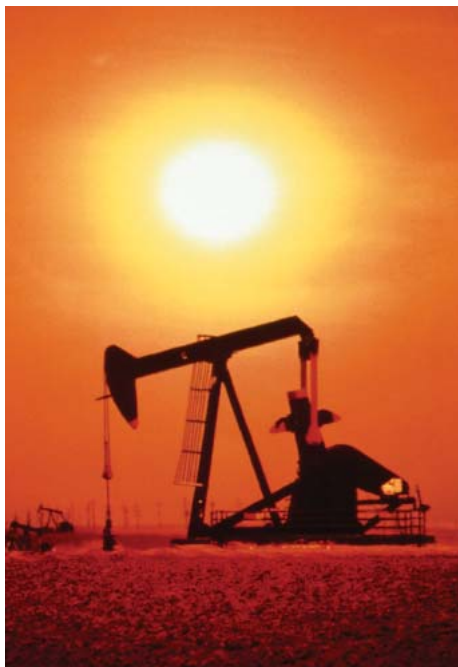


SUCCESS STORIES IN
OIL & GAS

Quality Assurance & Quality Control - Onshore Drilling and Production



With thousands of producing wells and hundreds of down hole pumps, tear downs are a weekly occurrence for production and service companies and are one of the many technical reviews made by field engineering teams on a daily basis.

Challenge:

An onshore operator in West Texas had an electrical submersible pump fail unexpectedly in one of their producing wells.

Existing procedures call for the operator to pull the pump from the well and conduct a tear down to inspect the pump and determine the cause of failure.

The current process requires up to 8 experts from the operator and service company travel to the shop and witness the tear down. These experts include chemical, corrosion, mechanical and electrical engineers.

When you factor in lost production, time delays etc., the total cost of a tool failure becomes very expensive.

Opportunity:

Implement a solution that allows the operator to better leverage/minimize the time and resources of internal experts, reduce delays, travel time and costs and ultimately, more rapidly diagnose and resolve the pump failure.

Solution:

The well operator implemented RealityVision® to provide real-time mobile video collaboration between the engineers and technicians at the workshop and the expert advisors located in various office locations.

Real-time, high resolution video was streamed from the workshop via RealityVision powered smart phones and Panasonic Toughbook® computers to the smart phones, laptops and console displays at the offices of the well operator and experts.

All of the needed subject matter experts and advisors were able to view and analyze, live and in real-time, the state of the pump parts as they were dismantled during the tear down and provide guidance and immediate direction as to how the resolve the problem.

Value Delivered:

"I made all my decisions based on the video. I didn't need to be there. We reduced the number of people in attendance to one person, instead of three or four...I think there would be many occasions when field staff would say "I wish the engineers could see this..."

The well operator saved measurable time and expense by avoiding having to dispatch a full complement of experts to the tear down site. The well operator was able to close out the failure mode analysis more rapidly – getting the pump back online more quickly. In addition to the hard dollar savings, the video archive from the tool tear down also serves as a record of the tear down process and can be used for used for future training and audit.

	<u>Previous Experience</u>	<u>Experience Using RealityVision</u>
# experts on site	8-10	2-4
travel time and expenses	\$ 10,000	\$ 4,000
lost staff time	\$ 20,000	\$ 2,000
Potential savings		\$ 24,000

About Reality Mobile

Founded in 2003, Reality Mobile is expanding the frontiers of mobile technology by giving users access to video, data and expertise throughout their organization and the world at the push of a button. With the RealityVision® software platform users access real-time, forensic grade video to be virtually on-the-ground with their colleagues, proactively address problems and improve employee safety, security, incident response, loss prevention and other critical functions. With the RealityVision® Screenshot™ feature, users can stream any portion of a computer screen to any user on the network, sharing video, dynamic data visualizations and critical information in an instant. For more information, visit www.realitymobile.com