

/ Expro Excellence

PowerChokes®

Expro's PowerChokes team provide innovative solution in record time, saving customer time and money in Gulf of Mexico



Objectives

- Expro's PowerChokes team had installed a pressure relief valve (PRV) on the mud pumps for the Ocean Blackhawk, operating offshore Gulf of Mexico
- After the customer (Diamond Offshore Drilling Incorporated) modified the PRV console and PRVs began operating erratically, Expro personnel were sent to the rig for troubleshooting and repair

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- None of the PRVs were working as the control console was faulty, despite many hours attempting to repair back to operational status
- Decision was made to send a new control system to the rig, replace on location to bring the system back and investigate further
- Addressed Anadarko's concern regarding timescale by embarking on an innovative solution – Anadarko needed to engage in drilling within 12 hours, otherwise would be subject to \$500k/day costs if not operational

- Expro team assembled a PRV system in-house, completed FAT and packaged for shipment in record time
- Unique approach undertaken to get the PRV to site – approached local, private aircraft pilot to fly to Houma, Louisiana with shipment, where it was then transferred to helicopter and flown direct to the rig

Value to client

- Operational within 14 hour timeframe
- Avoided costly downtime of \$500k/day
- Innovative approach by Expro team and unrivalled customer service



About pressure relief valve (PRV) systems:

- Valve body is of forged construction, API 75K material and impact-tested
- Virtually maintenance free with high erosion resistance/extended trim life
- Control system is ATEX certified with a significantly faster response time and unparalleled reliability Provides much needed redundancy, data logging and enhanced safety features

Operational within a record period of time

7.35am

Decision made and solution expedited

2.00pm

Replacement arrived on rig in Gulf of Mexico from Houston, TX

9.00pm

Rig ready to go back online

Contact

For further information, please contact:
expro.powerchokes@exprogroup.com
www.exprogroup.com/powerchokes