

## Engineered winch lines: Modec's Stybarrow Venture MV16

*At the end of 2007, Modec's Stybarrow Venture MV16 achieved first oil. The FPSO is located in the Exmouth Sub-basin off the northwest coast of Australia. Designed by Sofec, the disconnectable turret system called for a specially tapered and engineered buoy pull-in line operating from a Timberland traction winch. Samson provided a custom-made tapered line to meet the challenge.*

### CUSTOM TAPERED LINES: A SAMSON SPECIALTY

Quantum-8 is a natural choice for use on traction winches. Its firm, round 8-strand construction uses Samson's patented DPX™ technology, which incorporates polyester into the Dyneema® surface strands to give it additional grip on traction drums. Samson's Research and Development team custom engineered this pull-in line. It was tapered to the customer's specifications, requiring it to be made without additional connectors for dissimilar diameters or splices in the body of the rope. Eliminating troublesome connectors greatly increases the efficiency of the winch and removes the possibility of fouling problems on both deployment and retrieval.

In addition to the buoy pull-in lines, the Stybarrow Venture uses two other high-performance Samson lines: Neutron-8 is installed on the riser-tensioner winches designed by Ram Winch, and AmSteel® Blue grommets are used in the riser pull-in system. As part of Samson's commitment to providing in-field support from long before the sale to long after delivery, Samson dispatched an application engineer to the Stybarrow Venture while it was being

commissioned in Singapore to verify proper installation and provide training in handling and maintenance of the high-performance synthetic ropes.

### SPECIAL TREATMENT FOR SPECIAL CUSTOMERS?

You may think that a high-profile project like the Stybarrow Venture received special treatment. The truth is, we give all our customers the same special treatment. It's called The Samson Advantage, and it comes with every rope we make.



*LEFT: Quantum-8 buoy pull-in line shown with an AmSteel® Blue grommet used for riser pull-in.*

*CENTER AND RIGHT: Neutron-8 riser-tensioner line on the FPSO Stybarrow Venture.*

CORPORATE HEADQUARTERS  
2090 Thornton Street  
Ferndale, Washington 98248 USA

Tel 360.384.4669  
Fax 360.384.0572

[www.samsonrope.com](http://www.samsonrope.com)

