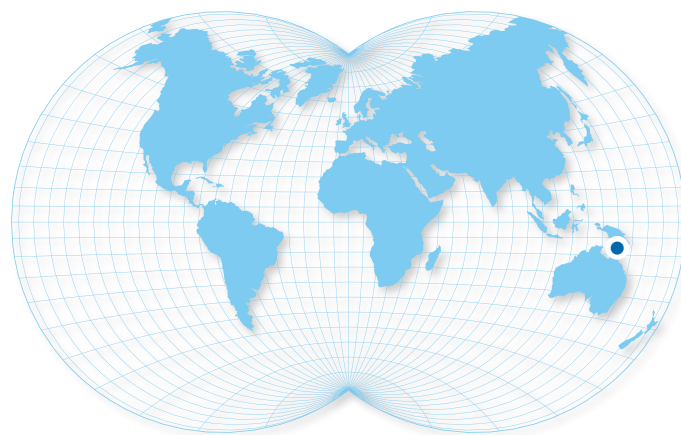


# GULF OF PAPUA, NEW GUINEA:

## PNG – Kumul Marine CALM



### Scope of Work

SOFEC designed, constructed, and supplied one (1) Catenary Anchor Leg Mooring (CALM) system for Oil Search Limited to be installed in the Gulf of Papua, Papua New Guinea.

The CALM Buoy system includes the complete buoy assembly, PLEM, anchoring system and telemetry package.

It carries an ABS Classification A+ and is designed and fabricated in accordance with ABS Rules for Building and Classing Single Point Moorings.

### General Description

Client Name:	Oil Search Limited
Contract Award:	June 2010
Installation Date:	February 2012
Application:	Export condensate

### Project Specifications

Water Depth:	36.9m (121ft)
Tanker Size:	120,000 dwt
Buoy Dimension:	12.5mØ x 5.3m
Floating Hose:	1 x 16-in.
Underbuoy Hose:	2 x 12-in.
Hawser System:	19-in. Single leg non-grommet
Anchor Leg System:	3.75-in. studless chain
Anchor System:	Piles

### Design Environmental Criteria

Operational	
Significant Wave Height:	3.7m (12ft)
Wind Velocity:	27m/s (52.4 knots)
Surface Current:	1.7m/s (3.3 knots)
Survival	
Significant Wave Height:	4.3m (14ft)
Wind Velocity:	39m/s (75.8 knots)
Surface Current:	1.9m/s (3.7 knots)