

## Vallourec provides Total with a wide range of premium offshore solutions off the Angolan coast

**Boulogne-Billancourt, 14 November 2013** – Vallourec, world leader in premium tubular solutions, announces the provision of an extensive range of premium offshore solutions to the CLOV deepwater oil and gas project operated by Total E&P in Angola, of which the production is expected to start Q2 2014. CLOV is a cluster of four oil and gas fields named Cravo (C), Lirio (L), Orquidea (O) and Violeta (V) located in the northwest sector of Angola's offshore Block 17, with water depths ranging from 1,100 to 1,400 metres.

Vallourec will equip the 34 subsea wells with approximately 15,000 tons of OCTG products featuring VAM® premium connections. CLOV is the fourth development pole in Angola's deep offshore Block 17 where Vallourec is involved, along with Girassol, Dalia and Pazflor. Furthermore, two of CLOV's drilling rigs are using Vallourec drill strings and connections, which are dedicated to the most difficult drilling conditions, such as highly deviated or extended reach wells.

Constructed in South Korea, the CLOV Floating Production, Storage and Offloading (FPSO) unit reached Paenal Yard in Porto Amboim, Angola, on Friday 8<sup>th</sup> November and came alongside the quay on Saturday 9<sup>th</sup> November. The subsea wells are now going to be tied back to the floating production unit. To secure the transportation of the hydrocarbons to the FPSO, Vallourec has delivered a total of 28,500 tons - or 200 km - of coated seamless line pipes and bends to Subsea 7<sup>1</sup>. An additional 2,400 tons of seamless pipes were delivered by Vallourec for the construction of the riser towers. The production unit will have a processing capacity of 160,000 barrels of oil per day and a storage capacity of approximately 1.8 million barrels.

The solution package provided by Vallourec includes a wide range of services, such as the application of about 150 km of anticorrosion coating on the pipes and the supply of approximately 700 hot induction bends. To ensure flow assurance requirements<sup>2</sup>, production flow-lines include a pipe-in-pipe solution. They will be assembled directly in Angola.

Serimax, Vallourec's subsidiary specializing in welding services for the Oil and Gas market, operated its *Saturnax 09* welding equipment during 7 months onboard Subsea 7's pipe laying vessel *Seven Borealis*. Serimax successfully completed its mission in August 2013, having accomplished around 5,500 welds on pipes, including corrosion- and fatigue-sensitive sections.

Dominique Richardot, managing director of Vallourec's Pipe Project and SURF Activities (Subsea Umbilicals, Risers and Flowlines), said: *"We are proud to have been selected for a project of this scope. Vallourec's delivery on the CLOV project goes far beyond pipe products and demonstrates our ability to provide genuine integrated solutions for the most demanding offshore projects. From the manufacture of seamless line pipes, right through to on-location welding, we can rely on our expertise and state-of-the-art technology to succeed in harsh environments or remote locations."*

Vallourec's involvement at several stages of this challenging offshore project illustrates the Group's position as an ideal partner for large-scale operations, able to provide customers with the most premium and secure solutions throughout the supply chain, as well as with the local services needed to ensure the successful development of complex projects.

<sup>1</sup> Subsea 7 is a global leader in seabed-to-surface engineering, construction and services to the offshore energy industry worldwide. Subsea 7 provides integrated services and plans, designs and delivers complex projects in harsh environment.

<sup>2</sup> Flow assurance refers to ensuring successful and economical flow of hydrocarbon stream from the reservoir to the production platform.



## About Vallourec

**Vallourec is a world leader in premium tubular solutions primarily serving the energy markets, as well as other industrial applications.**

With over 23,000 employees, integrated manufacturing facilities, advanced R&D and a presence in more than 20 countries, Vallourec offers its customers innovative global solutions to meet the energy challenges of the 21st century.

Listed on the NYSE Euronext in Paris (ISIN code: FR0000120354, Ticker VK) and eligible for the Deferred Settlement System (SRD), Vallourec is included in the following indices: MSCI World Index, Euronext 100 and CAC 40.

In the United States, Vallourec has established a sponsored Level 1 American Depositary Receipt (ADR) program (ISIN code: US92023R2094, Ticker: VLOWY). Parity between ADR and a Vallourec ordinary share has been set at 5:1.

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