

## Attachment 2. Evaluation of KSS as a reliable and professional contractor by Tengizchevroil LLP

ТЕНГИЗШЕВРОЙЛ  
Товарищество с ограниченной  
ответственностью  
Отдел общего техобслуживания  
466440, Республика Казахстан  
Атырауская обл., Жылыойский р-н  
Завод, СБК, кабинет №  
Телефон: 44 207 856  
Факс: 44 207 856



TENGIZCHEVROIL  
Limited Liability Partnership  
General Maintenance Department  
466440, Republic of Kazakhstan  
Atyrau Oblast, Zhilyoy Region  
Plant, Maintenance Bldg., Room #  
Telephone: 44 207 856  
Fax: 44 207 856

On the 10<sup>th</sup> of January 2017 “TENGIZCHEVROIL” Company and “KARACHAGANAK SUPPORT SERVICES” LLP have signed a Contract #1520139 for services that include automated cleaning of crude tanks off oil sludge with further treatment.

Over 3 months KSS have accomplished automated cleaning of three tanks at Tengiz Oilfield: T-200 (10,000 m<sup>3</sup>), T-1551 (5,000 m<sup>3</sup>) and T-801 (3,000 m<sup>3</sup>) and in parallel treated the oil sludge at KSS mobile Plant.

The main complexity of the tank cleaning was high content of H<sub>2</sub>S – above 1000 ppm, presence of pyrophoric compounds, water and solid remains with the level of oil sludge 2 meters high above manway.

All works have been carried out by automated system of tank cleaning with parallel removal of pyrophoric compounds and H<sub>2</sub>S inside the tanks.

As a result of oil sludge treatment at KSS mobile Plant we have received 90% of sale oil and 7% of process water from T-200 tank, 20% of sale oil and 20% of process water from T-1551 tank and 98% of process water from T-801 tank.

2017 season of three crude tanks cleaning has been successfully completed before Turnaround start on the 1<sup>st</sup> of August 2017, as planned.

In close cooperation with TCO Special Projects and Turnaround, KSS have completed crude tank cleaning and oil sludge treatment works efficiently and as safely as possible with maximum retrieval of secondary products, with no harm to Environment and what is more important – with no need for people to get into the confined space.

“TENGIZCHEVROIL” Company characterizes KSS Company as a reliable and professional Contractor in sphere of automated cleaning of crude tanks and oil sludge treatment.

*Kzylbaev. R.*