

## Slick-Line / E-Line / Wireline Services

### In Conjunction With Wireline Well Services (WWS)

Desert Truck – 6x6 c/w Hiab



Multi-Split Unit



Support Container / Workshop



Equipment and tools are to the highest level with onsite engineers, mechanics and engineers.

Tools are stored internally within the operating base storage unit and are transferred to our purpose-built containers for transport, storage and use once mobilised.

Our containers boast an abundance of storage and are equipped with work stations and workshop equipment for maintenance and tool manipulation on site.

Custom built dual drum trucks and units are tailored to deal with extreme conditions.

Slick Line sizes range from 0.108" - 0.125" - 0.160" Cables, Braided Line and Swab Line 7/32nd" cable (High Strength)

E-Line 5/16" simultaneous rig ups.

Truck Mounted Pressure test pump up to 10k PSI Working Pressure (quick Lubricator fill up)

Data Acquisition System for Pressure Tests, Line pull, Wellhead Pressure, Weight.

Fully tooled & equipped with 5K PSI H<sub>2</sub>S P.C.E. Equipment.

Mechanical & Electronic depth & weight indicator systems.

Two Complete spare wheels on quick change system.

Electrical Generator Hydraulic, Electrical Generator diesel,

Intrinsic Intercom system between Operators cabin and Wellhead or Rig Floor.

Auxiliary Power pack for daily operation, Draw works with Air Brake & Mechanical Brake as back up.

Dual Air Conditioners. Our trucks are designed for maximum performance and superior results.

Dual Drum Wireline Truck



## Slick-Line / Wireline

Packages Available Dependent On Requirements;

- 7/32nd dyform cable
- HD releasable / non-releasable spears
- HD releasable /non-releasable over-shots
- HD Tool String
- 0.160 Slick line
- HD Pulling tools

### Fishing Tools



### Plugs



Superior plug systems, producing high-quality safety barriers within the wellbore, high-quality flexibility for well intervention, remediation, and integrity operations.

- Well barrier during well maintenance and workovers.
- Zonal isolation, water shut off or treatment.
- Pre-installation in completion tail-pipe for packer setting.
- Contingency packer setting.
- Testing of production tubing(s).
- No specialized retrieval tool required, standard GS pulling tool used to equalise and retrieve.

### Typical Services:

Completion Operations

Completion Operations

Rigless Operations

Gas-Lift

Abandonment

SBHP / FBHP

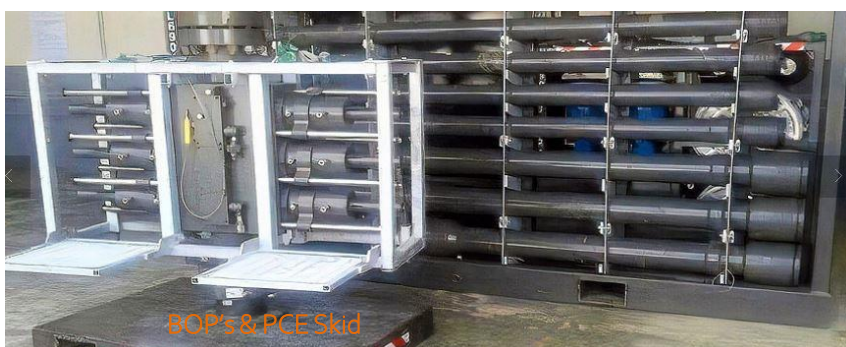
Open / Close SSD's – Tbg Puncher

Camera Survey

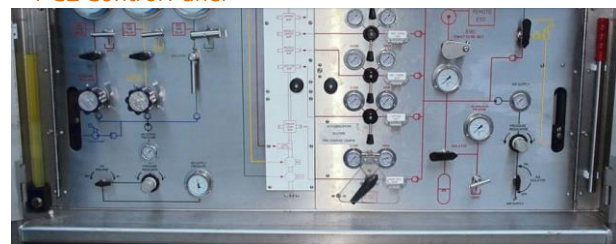
Set / Pull Flow Control Devices

Fishing Operations

Gas-Lift



### PCE Control Panel





## Explosives / Perforation / Cutting

### Perforations

WWS operates industry-leading perforating solutions using slickline, wireline and tubing conveyances. Through tubing perforating carriers convey charges in carriers up to 7" in diameter. We undergo analysis in order to select appropriate perforating equipment (Hole Size, Depth of Penetration, etc.). Tubing conveyed perforations allow our customers to optimize well production by detonating high-performance, deep-penetrating shaped charges that maximise perforation length and entry hole size. Our systems can be used in varying productions such as underbalanced perforating, fluid-sensitive formations, high-shot densities, large perforating intervals, or deviated wells. Tubing conveyed perforations are cost effective especially if long intervals must be perforated.

We provide all perforating requirements with in-country tools. Engineers and specialists work to your required specifications and determine the tools and equipment needed to operate. With the ability to deploy E-guns to eliminate user wire connections and tandem sub maintenance. Scaloped hollow carrier gun systems with a scope of 1 3/8" to 7.00" diameters. Un-scaloped economical gun systems with a diameter scope of 3 1/8" to 4.00". Capsule gun systems from 1 11/16" to 2 1/8" diameters. Squeeze gun systems allowing for increased shot density and maximum surface area access during cement operations, enabling complete distribution across the desired area during plug and abandonment operations.



Explosives Store

Our explosive store's transportation units comply with DNV 2.7-1 and BSEN 12079 specifications. Specially designed for onshore and offshore deployment with an integral detonator compartment

### Setting Tools

Using specialized tools and patented technology we are able to provide one setting tool that can swap between sizes #10 and #20, with a self bleeding system and no oil required. Using this tool can replace four and increase rebuild and redress time by 50%.

WWS supplier provides superior tool technology allowing for patented charges to screw and lock in place. These are readily available to deploy with easy loading for super deep penetrating, good hole, and big hole shaped charges.

### Charges & Detonator Systems



## Electric Line / Logging / Data Acquisition

WWS provides tailored for purpose products and services for well monitoring and diagnostics. We provide superior quality technologies that have the capabilities to:

- Enhance our client's ability to evaluate, monitor, and exploit oil and gas assets
- Ensure client satisfaction, in a timely and efficient manner.

Our downhole memory gauges, surface data acquisition, and metering systems vary from cost-effective solutions to highly technologically advanced systems.

### Winch Cabin



WWS carry gauges up to 20,000 Psi, with downhole temperatures as high as 225 °C (392 °F). We use quartz gauges, as seen above for supreme accuracy and resolution. WWS can run gauges under a plug for Frac tests. Operating conventional static gradients and build-up tests. Our custom built wireline trucks and slim/multi split units as well as dual/single drum units are capable of recording data on location. As well as the ability to generate field reports whilst in operation at the well site. WWS knows how crucial data is and our technicians are highly skilled in the retrieval of such sensitive information.