

STIMULATION and WELL INTERVENTION

Stim Star Borneo

Stimulation and Well Intervention Vessel Designed for Southeast Asia



HAL24574

Operators in Southeast Asia can now more readily implement Halliburton advanced stimulation and well intervention technologies. The new *Stim Star Borneo* vessel is a self propelled barge designed to work in the offshore oil and gas fields with the additional capability of servicing wells in the rivers and deltas in Indonesia.

The vessel is fully equipped to handle all phases of production stimulation including acidizing, acid fracturing, proppant fracturing, sand control and conformance treatments. In addition, the vessel is equipped to provide well intervention services using coiled tubing.

Slickline and electric line capabilities can be readily added when required.

At 200 ft length and 66 ft width, the *Stim Star Borneo* has an operating draft of 10.5 ft offshore and 9 ft in the delta areas.

Above deck storage capacities consist of 5,200 gal acid, almost 4,400 gal additives and 350,000 lb proppant.

Below deck capacities are almost 3,500 bbl of process and completion fluid and over 4,700 bbl of drill water.

Maximum fracturing rate is 18 bbl/min with sand and 25 bbl/min with clean fluid.

Focused on Safety and Environmental Performance

The *Stim Star Borneo* meets or exceeds the requirement of SOLAS and other regulatory bodies. In addition, the vessel is outfitted to provide environmentally sustainable operations.

Advanced Technologies for Improved Well Performance

The *Stim Star Borneo* serves as a platform that enables Halliburton specialists to reliably deliver key services.

Reservoir Deliverability Solutions

- Hydraulic fracturing
 - Tight gas reservoir technologies
 - Horizontal well fracturing
 - Limited entry to bypass damage
- Near-wellbore damage removal
 - Matrix acidizing
 - Foamed acid

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- Near-wellbore damage removal (cont'd)
 - Scale removal (mechanical and chemical)
 - Waterblock removal
 - Horizontal well cleanup

Conformance Solutions

- Chemical water shut off
- Relative permeability modification

Sand Control Solutions

- New completions
 - Fracpack
 - High rate water pack
- Thru-tubing intervention
 - Resin sand consolidation
 - Thru-tubing gravel pack with coiled tubing

Well Intervention Solutions – Coiled Tubing

- Nitrogen services
- Fishing and milling
- Stimulation
- Sediment washing
- Logging

InstaVis™ Mixing System

The *Stim Star Borneo* is equipped with Halliburton's proprietary InstaVis™ gel-on-the-fly system that uses a fully hydrated fracturing gel concentrate and provides important advantages:

- Eliminates waiting for gel hydration.
- Enables almost instantaneous adjustments to help match fluid characteristics to formation parameters.



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Stim Star Borneo Dimensional Data

LOA	224 ft 3 in.	68.36 m
LPB	200 ft	60.96 m
Breadth	66 ft	20.12 m
Depth	15 ft 6 in.	4.72 m
Light Ship Draft	7 ft 10 in.	2.40 m
Load Line Draft	11 ft 20 in.	3.40 m
Berth:		42 People

- Requires no waiting time to build additional fluid volume or change viscosity.
- Enables optimization of gel polymer loading during the treatment which can reduce the amount of polymer in the formation.

For more information about how the Southeast Asia service team and proven technologies can help make your wells more productive, contact your local Halliburton representative or email stimulation@halliburton.com.

www.halliburton.com

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