DSJ300 – SELF ELEVATING, CANTILEVER TYPE, PREMIUM JACKUP DRILLING UNIT KEY FEATURES:

- Operating water depth capability of 300 ft in moderate ocean environments.
- 105 persons comfortable accommodation in wrap-around quarters.
- State-of-the-art drilling equipment with 1500 kips hook load capacity capable of drilling depth 30000 ft.
- Large variable load capacities and usable deck area for broader operating capabilities.
- Enhanced design with focus on operating flexibility, safety, reliability and minimum environmental impact.

Extended cantilever reach of 50 ft with max. combined drilling load of 1698 kips.

Faster operations with horizontal / vertical pipe handling systems and offline triple stand building.

Large variable load capacities and usable deck area for broader operating capabilities.

State-of-the-art drilling equipment with 1500 kips hook load capacity capable of drilling depth 30000 ft.

105 persons comfortable accommodation in wrap-around quarters.

Operating water depth capability of 300 ft in moderate ocean environments.

ENVIRONMENTAL LIMITS - SURVIVAL

- Water Depth: 91.44 m (300 ft)
- Max. Wave Height: 10.67 m (35 ft)
- Associated Wave Period: 13.5 s
- Wind Velocity (1 min. mean): 36 m/s (70 kts)
- Air Gap: 11.28 m (37 ft)
- Penetration: 3.05 m (10 ft)
- Variable Load: 4080 MT (8995 kips)

ENVIRONMENTAL LIMITS - OPERATING

- Water Depth: 91.44 m (300 ft)
- Max. Wave Height: 10.67 m (35 ft)
- Associated Wave Period: 13.5 s
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DSJ300

CLASSIFICATION & CONDITIONS

Class Notation: CCS | Self-Elevating Drilling Unit

Min. Service Temperature: -10 deg. C

HULL & DIMENSIONS

- Hull Shape: Modified Triangular
- Hull Length: 62.8 m (206 ft)
- Hull Breadth: 60.2 m (197.5 ft)
- Hull Depth: 8.0 m (26.2 ft)
- Leg Spacing (C to C)-Longitudinal: 43.4 m (142.4 ft)
- Leg Spacing (C to C)-Transverse: 39.8 m (130.6 ft)
- Hull Depth: 8.0 m (26.2 ft)
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DRILLING LOADS & EQUIPMENT

- Max. Hook Load: 680 MT (1500 kips)
- Max. Rotary Load: 680 MT (1500 kips)
- Max. Setback Load: 340 MT (749 kips)
- Draw Works: 3356 kW (3000-4500 HP)
- Rotary Table: 49.5 in
- Mud Pumps: 3 x 2200 hp @ 7500 psi
- Vertical Pipe Handling: Pipe Racker System
- Horizontal Pipe Handling: Catwalk Shuttle & Knuckle Boom Crane
- Conductor Tensioning System: 400 MT @ 7.6 m 882 kips @ 25 ft

LEGGS & SPUDCAN

- Nos. & Leg Type: Three (3) x Triangular Truss
- Length of the Leg (incl. Spudcan): 125.3 m (411 ft)
- Length of Leg Below Hull: 105.8 m (347 ft)
- Chord to Chord Spacing: 10 m (32.8 ft)
- Diameter of Spudcan: 15.2 m (50 ft)
- Height of Spudcan: 4.572 m (15 ft)
- Bearing Area: 157 sq.m (1690 sq. ft)
- Max. Fasting Reaction per Leg (Approx.): 6750 MT (14868 kips)
- Max. Bearing Pressure (Approx.): 45.6 MT/sq. m (66 psi)

JACKING & FIXATION SYSTEM

- Type of Jacking System: Electric Rack & Pinion – Fixed Type
- Total No. of Pinions: 54 Pinions
- Normal Jacking Capacity (per pinion): 200 MT (440.6 kips)
- Preload Jacking Capacity (per pinion): 258 MT (568.38 kips)
- Static Holding Capacity (per pinion): 454 MT (1000.2 kips)
- Lifting Speed: 0.45 m/min (1.5 ft/min)
- Fixation System: Hyd. or Elec. Driven Rack Chocks
- Total No. of Rack Chocks: 9 Pairs
- Static Holding Capacity (per Chord): 5000 MT (11023 kips)

TANK CAPACITIES

- Diesel Fuel Storage: 727 cu. m (4572 bbl)
- Potable Water: 506 cu. m (3182 bbl)
- Preload / Ballast Water: 10140 cu. m (63773 bbl)
- Mud Pits (Active & Reserve): 960 cu. m (5981 bbl)
- Mud Treatment Pits: 56 cu. m (343 bbl)
- Drill Water: 1300 cu. m (8176 bbl)
- Base oil: 130 cu. m (818 bbl)
- Brame: 130 cu. m (818 bbl)
- Bulk Mud & Cement: 520 cu. m (3271 cu. ft)
- Sack Storage: 5000 sacks
- Pipe Racks (Main Deck & Cantilever): 655 sq. m (7045 sq. ft)

MUD CONDITIONING

- Shaker System: Five (5) Cascading Shakers
- Degassers: Two (2) Vacuum Degasser

WELL CONTROL EQUIPMENT

- BOP Stack: 36.6 m (120 ft)
- BOP Handling Crane: 18 ¾” x 15000 psi
- Fixed Diverters: 27-1/2” 1D bore, 500 psi, 49-1/2” rotary table

HELIDECK

- Helicopter Types: Sikorsky S-61N & S-92
- Size: 22.2 m (72.8 ft)

DECK EQUIPMENT

- Main Crane: Three (3) x Fixed Lattice Boom
- Mooring Winches: Four (4) x Single Drum

POWER SYSTEMS

- Main Diesel Engine Gensets: Five (5) x 1530 ekW
- Emergency Diesel Engine Genset: One (1) x 900 ekW