

# Gerd

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## High Specification Jackup

### General Description

**Design / Generation**..... PPL Pacific Class 400  
**Constructing Shipyard**..... PPL Shipyard PTE Ltd., Singapore  
**Year Entered Service / Significant Upgrades** .....2018  
**Classification** ..... ABS-A1, Self-Elevating Drilling Unit  
**Flag** ..... Vanuatu  
**Overall Dimensions**.....236.5 ft. Long x 224.4 ft. Wide x 27.9 ft deep  
**Legs**.....(3) 533 ft. long, Triangular  
**Drafts** ..... 19.50 ft at load line  
**Accommodation** ..... 150 persons  
**Displacement** ..... 43,840 kips  
**Variable Deck** ..... 7,498 kips operating / 5,000 kips transit (spud cans full)  
**Transit Speed**..... up to 5 knots, @ 150st bollard pull  
**Operating Water Depth**..... 400 ft. designed / 400 ft. outfitted  
**Maximum Drilling Depth**..... 30,000ft

### Drilling Equipment

**Derrick** NOV Derrick 160ft. high, with 35ft. x 35ft. base  
**Hookload Capacity** 1,500,000lbs gross nominal capacity  
**Cantilever/ Drill floor** 75 ft / 15 ft Port & 15 ft Stbd  
**Drawworks** NOV ADS-10T driven by (3) Baylor electric motors. Rated to 750st with 14 lines of 1-5/8" drill line  
**Rotary Table** National Oilwell D-495 49-1/2" with a rated capacity of 750st  
**Top Drive** NOV TDS-8SA Hoisting cap: 750 s-ton, AC motor: 1150 hp, intermittent torque: 95,000 ft-lbs., maximum drilling torque: 62,250 ft- lbs., maximum speed 270 rpm, (2) IBOP 3 1/6" – 15k Psi  
**Tubular Handling** (1) NOV ST120 Iron Roughneck. 3 1/2" to 10" tubulars. Make up torque 100000 ft/lbs., Break-out torque 120000 ft/lbs. Spinning speed 80 RPM (with 5 "OD) spinning torque 3000 ft/lbs.  
**Mud Pumps** (3) NOV 14-P-220 triplex pumps (9 inch bore and 14 inch stroke), each driven by 1,150 hp (NOV Baylor AC motor) 7,500 psi rated  
**HP Mud System** Rated for 7,500psi  
**Solids Control** (5) NOV Brandt VSM 300 shale shakers. Mud cleaner installed over one shale shaker.

### Power & Machinery

**Main Power** (5) Caterpillar 3516C-HD diesel engines rated at 2,150hp at 1200rpm each with Kato generator rated to 2,150KVA  
**Emergency Power** (1) Caterpillar 3508B DITA diesel engine rated at 1,428hp at 1,800rpm with Leroy Somer generator rated to 1020KVA

### Storage Capacities

**Fuel Oil** ..... 4,111 bbls  
**Liquid Mud** ..... 4,175 bbls  
**Base Oil** ..... 1,274 bbls  
**Brine** ..... 1,292 bbls  
**Drill Water** ..... 21,748 bbls  
**Potable Water** ..... 3,543 bbls  
**Bulk Material**..... (mud + cement) 11,653 cu-ft  
**Sack Storage**.....5,000 sacks

### BOP & Well Control Equipment

**BOP Rams** (2) Cansco RX double rams 13-5/8" 10k psi BOP  
**BOP Annular** (1) Cansco AS 13-5/8" 10,000psi annular preventer  
**BOP Handling** (4) J D Neuhaus EH-75 BOP main hoists, rated 75mt each  
**Diverter** Vetco KFDJ 500, 49-1/2" diverter rated to 500psi with (2) 16" flow line, (2) 12" overboard, (1) 6" deluge and (1) 3" fill line

### Mooring Equipment

**Mooring Winches** (4) Mentrade electric winches rated at 31.75 st capacity 118st brake holding  
**Anchor Lines** 3000ft x 1-1/2" galvanized wire rope  
**Anchors** (4) Flipper Delta anchor

### Cranes

**Cranes** (3) Baker Marine cranes, 50mt capacity. 2 Cranes with 118ft boom, 1 crane with 108ft boom

### Special Features & Other Information

**CTU** Primary - TSC 225mt Vertical Load and 26mt Lateral Load - hydraulic driven @ 4.66 m and 10.66 m from AFT transom  
 Secondary – Claxton 100 T tensioner system 220mt tension capacity. 2 lift points, 48" stroke  
**RPD System** Yes  
**Helideck** Rated for Sikorsky S-61 and S-92 helicopters. CAP 437  
**Offline Systems:**  
**Iron Roughneck** (1) NOV-ST100 Iron Roughneck. 3 1/2" to 9-3/4" tubulars  
**Pipe Handling** NOV Dresco racking platform capacities: Up to 238 stands (Driller Side) + 176 stands (Offline Racking Board) 5-7/8" DP.4 stands 9-1/2" DC + 8 stands 8" DC. 155 stands 7" casing + 22 stands 9-5/8" casing.  
**OA Crane** OAC (Offline Activity Crane) Forum 10mt derrick mounted for offline pipe handling



These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Borr Drilling standard operating manuals, policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

