

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	Panama
Overall Dimensions	236.5 ft.long x 224.4 ft.wide x 27.9 ft deep
Legs	(3) 532 ft. long, Triangular
Drafts	19.50 ft at loadline
Accommodation	150 persons
Displacement	43,845 kips
Variable Deck	7,498 kips operating / 4,998 kips transit (spud cans full)
Transit Speed	up to 4 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 & 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 1000st
Top Drive	NOV TDS-8SA Hoisting cap: 750 s-ton, AC motor: 1150 hp, intermittent torque: 100,000 ft-lbs, drilling torque: 65,500 ft-lbs, speed 270 rpm, (2) IBOP 3 1/6" - 15k
Tubular Handling	NOV HT 100 rotary rig tongs and (1) NOV ST120 Iron Roughneck. 3 1/2" to 10" tubulars
Mud Pumps	(3) NOV 14-P-220 triplex pumps (9 inch bore and 14 inch stroke), each driven by 1,229 hp (NOV Baylor AC motor) 7,500 psi rated
HP Mud System	Rated for 7,500psi
Solids Control	(4) NOV Brandt VSM 300 shaleshakers. Mud cleaner installed over one shale shaker.

Power & Machinery

Main Power	(5) Caterpillar 3516C diesel engines rated at 2,150hp at 1200rpm each with Kato generator rated to 2,150 KVA
Emergency Power	(1) Caterpillar 3508B DITA diesel engine rated at 966hp at 1,800rpm with Leroy Somer generator rated to 1020kv

Storage Capacities

Fuel Oil	3,818 bbls
Liquid Mud	4,170 bbls
Base Oil	1,270 bbls
Brine	1,289 bbls
Drill Water	21,742 bbls
Potable Water	3,553 bbls
Bulk Material	(mud + cement) 11,653 cu-ft
Sack Storage	5,000 sacks

BOP & Well Control Equipment

BOP Rams	(2) Cameron double rams 18-3/4" 15k psi BOP
BOP Annular	(1) Cameron 18-3/4" 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 16" flow line, (2) 12" overboard, (1) 6" deluge and (1) 3" fill line

Mooring Equipment

Mooring Winches	(4) Mentrade electric winches rated at 31mt capacity 100mt 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, 120ft boom
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Special Features & Other Information

CTU	TSC 225mt Vertical Load and 25mt Lateral Load - hydraulic driven @ 4.66 m and 10.66 m from AFT transom
RPD System	Yes and Single Cord Jacking system
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
MPC	FORUM MPC (Multi-Purpose Crane) of 6,000 lbs SWL at all radii, crane boom end is adapted for mounting of a 280-kg man-basket
OA Crane	OAC (Offline Activity Crane) Forum 10mt derrick mounted for offline pipehandling



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.

