

## GENERAL DESCRIPTION



Unit Name	COSL Power
Unit Design	Baker Marine Pacific Class 375
Built	PPL Shipyard Pte Ltd, Singapore
Delivered	2006
Class Society	American Bureau of Shipping
Class Notation	ABS, A1 Self-Elevating Drilling Unit, CDS (2001 Rules)
Flag	Bahamas

## MAIN PARTICULARS

Drilling Design Criteria	
Water depth, maximum	375 ft.
Wind speed	70 knots
Wave height, maximum	35 ft.
Current speed, surface	1.5 knots
Air gap	50 ft.
Dimensions	
Hull Length, Overall	236.56 ft.
Hull Breadth, Overall	224.41 ft.
Hull Depth	27.89 ft.
Leg length	506.39 ft
Leg Spacing, transverse	155.18 ft.
Leg Spacing, longitudinal	145.34 ft.
Cantilever envelope, well center from transom	15 - 70 ft.
Cantilever envelope, well centre from centerline	+/- 15 ft.
Spud can diameter	55.45 ft.
CAPACITIES	
Rated drilling depth	30,000 ft.
Static hook load	750 tons
Rotary capacity	750 tons
Setback capacity	450 tons
Conductor tension capacity	227 tons
Variable Load, maximum drilling	3,282 tons (based on above environment)
Maximum combined cantilever load	1,200 tons
Drill water capacity	4,850 bbls
Fuel oil capacity	3,900 bbls
Base oil	1,200 bbls
Brine	1,200 bbls
Potable water	3,556 bbls
Liquid mud	4,120 bbls (including slug tank)
Bulk mud	5,700 ft <sup>3</sup>
Bulk cement	5,700 ft <sup>3</sup>
Sack storage	5,000 sacks

DRILLING EQUIPMENT	
Drawworks	National Oilwell Varco /Dreco D3000UE AC with 3 X 1150 HP AC electrical motors and regenerative braking
Top Drive	National Oilwell Varco / Hydralift PowerSwivel HPS-750 -E -AC
Mud pumps	Three National Oilwell Varco Model 14-P-220, triplex pumps
Cranes	Main Block Whipline
	BMC 900 21.3 tons @ 25ft 5 tons @ 100 ft
	BMC 1600 40.8 tons @ 25ft 5 tons @ 100 ft
	BMC 2250 50 tons @ 25 ft 5 tons @ 100 ft
Power Generation	5 x Caterpillar Model 3516B HD engines (2,150 hp each, 10.750 hp total)
Pipe Racking	National Oilwell Varco /X-Y Hydraracker
ACCOMMODATION	
Total Capacity	115
Number of single cabins	5
Number of double cabins	55
Number of operator offices	1
Number of contractor offices	2
Number of meeting rooms	1
WELL CONTROL EQUIPMENT	
Diverter	KDFJ-500 Diverter
Annular BOP	Hydril 18 3/4" x 10,000 psi WP Annular BOP
Ram BOP	2 x Hydril 18 3/4" x 15,000 psi WP Dual Ram BOP's
Choke manifold	15,000 psi WP
FLUID PROCESSING	
Shale shakers	4 x National Oilwell Varco DLMS-380, Super G
Mud degasser	National Oilwell Derick VACU FLO
Desander	National Oilwell Varco DSM-3V-10CTX, 3 x 10" cones, 1,000 gpm
Desilter mud cleanser	National Oilwell Varco DSL-16GG-CTX, 16 x 4" cones, 1,000 gpm
Mud mixing pumps	Mission Magnum or equivalent centrifugal pumps
DRILL STRING	
Drill pipe	to be advised
Drill collars	to be advised
Hevi-Wate drill pipe	to be advised