

GENERAL SPECIFICATIONS

Shipyard Delivery	PPL Shipyard, Singapore
Classification Agency	ABS A1 Self-Elevating Drilling Unit, CDS (2001 Rules)
Dimensions	236.56' x 224.41' x 27.89'
Water Depth	Maximum: 375 ft Minimum: 30 ft
Max. Drilling Depth	30,000 ft
Cantilever Reach	70 ft aft, 30 ft transverse
Leg Length	435 ft usable below hull (w 3.4' reserve abv. jackhouse)
Leg Spacing	155.2' transverse 145.3' longitudinal
Spud can Diameter	55.5 ft
Variable Deck Load	Operating: 7500 kips Survival: 6500 kips Transit: 6000 kips
Transit Draft	19.5 ft
Max. Wave Height	Operating: 45 ft Survival: 70 ft w/ 200 ft WD
Helideck Capacity	Sikorsky S-61N / S-92A(9.3 MT)



DRILLING EQUIPMENT

Derrick	National Oilwell Varco / Bolted H-Beam, 35 x 35 ft @ base; 18 x 18 ft @ Crown x 160 ft clear working height
Capacity	1.5 million lbs static hook load
Racking Capacity	320 Stands of 5-1/2" drill pipe range II triples x 93 ft (29,760 ft) 6 Stands of 8" drill collar range II triples x 93 ft (558 ft) 6 Stands of 9-1/2" drill collar range II triples x 93 ft (558 ft)
PRS	National Oilwell Varco / X-Y Hydraracker
Conveyor	NOV / Catwalk Ramp & Monkey Arm
Drawwork	NOV / D3000UE AC, Motors Baylor CM628 TUT, 1150 HP input power per motor (3,450 HP)
Rotary Table	NOV / D-495 with Adapter Bushing for 37-1/2" Master Bushing, Max torque 37,000 ft-lbs @ 25.5rpm
Iron Roughneck	NOV HydraTong MPT , Size range 3 1/2" to 9 3/4 " Max torque makeup/breakout 103,258 ft-lbs / 147,512 ft-lbs
Top Drive	NOV / HPS-750-E-AC-SG, Rated capacity 750 ST, Max intermittent torque 91,800 ft-lbs, Max continuous torque 64,175 ft-lbs @ 94 rpm, 1 x 1,230 HP AC motor
Catheads	NOV Hydralift / CAT-P15-2-H with Dual Cathead Control Console Max line pull 16.5 ST (148,000 ft-lbs w/ 54" Tong Lever)

CAPACITIES

Diesel	3,932 bbls	Drill water	4,850 bbls
Potable Water	3,555 bbls	Bulk Storage	11,652 cu.ft
Sack Storage	5,000 sacks	Base Oil	1,274 bbls
Brine	1,290 bbls	Liquid Mud	4,180 bbls

OTHER PARTICULARS

Accommodations	120 Persons
Jacking System	Baker Marine BMPL J800 2P (BLM D series) c/w 72 drive pinions, maximum jacking capacity 58,608 Kips (w/preload)
Skidding Systems	Baker Skidding System, P2016
Mud Pumps	3 x NOV 14-P-220, maximum pump pressure 7500 psi.
Shakers	4 x Derrick / Dual Pool 600 series
BOP Stack	Shaffer 2 x Doubles 18-3/4" SLX 15M BOP c/w 18-3/4" Annular 10K
BOP Controls	Shaffer 3K psi WP, Local control at BOP area; remote control in drillers cabin and tool pusher office
Diverter	1 x Vetco Gray 49½" KFDJ-500 Standard Bore, 500 psi safe working pressure with 14" flowline and 2 x 12" Overboard lines
C & K Manifold	1 x NOV API 16C 3-1/16" 15k Upstream / 4 ¹ / ₁₆ " 5k Down Stream
Mud Manifold	1 x API 6A PSL dual 5" ID 7,500 psi WP
Cement Manifold	1 x API 6A PSL single 2" ID 15,000 psi WP
Cement Unit	Provisions provided for

POWER GENERATION

Main Engines	5 x CAT 3516 B HD Diesel engines, rated at 2150 HP, (1603 kW) at 1200 rpm c/w Baylor S637ZUT-601, 1,720 KW 690V AC Generator
Emergency Power	1 x Caterpillar 3508B Diesel engine, 1,008 HP @ 1800 rpm c/w Leroy Somer / 720 KW 480V AC Generator

HANDLING SYSTEMS

Deck Cranes	3 x Baker Marine Cranes Port Fwd - 120 ft boom, main hoist ratings – 55 st @ 25 ft radius and 15.0 st @ 127.5 ft radius (static), whip line rating – 5.5 st at all radius (static) Starboard – 100 ft boom, main hoist ratings – 45 st @ 25 ft radius and 9.5 st @ 106.5 ft radius (static), whip line rating 5.5 st at all radius Port Aft – 100 ft boom, main hoist ratings – 25 st @ 20 ft radius and 7.5 st @ 102.6 ft radius (static), whip line rating 5.5 st at all radius
Pipe handling	1 x NOV Knuckle boom crane with 3 ½ - 20" gripper yoke. Boom length 73 ft, 3.85 MT@ 10.5 ft/s - 73ft with gripper yoke (max radius); 7.7 MT @ 10.5 ft/s - 73 ft with hook adapter (min radius)
BOP Handling	2 x Ingersoll Rand BHS200M/E1101 pneumatically operated BOP hoists each with a capacity of 100 MT
Conductor Tensioner	NOV / Hinged pull up 250 st tension capacity CTU with 14" stroke suitable for maximum 36" conductor

LIFESAVING SYSTEMS

Lifeboats	3 x 60 man capacity Jiang Yin Neptune Marine Appliances Co. Ltd/ NPT75F Totally Enclosed (150% of POB)
Fast Rescue Craft	Not available
Life rafts	6 x 25 man RFD Survival 25 3 ea. located on port and starboard of main deck
Lifejackets	225 lifejackets
Lifebuoys	10 installed in accordance with IMO MODU & SOLAS