

## GENERAL DESCRIPTION



Unit Name	COSLCraft
Unit Design	KFELS MOD B Class Independent leg, cantilevered Jack-Up Drilling Unit
Built	Keppel FELS Limited, 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 Depth Maximum:

Water depth, maximum	400 ft.
Wind speed	70 knots
Wave height, maximum	35 ft
Current speed, surface	1.5 knots
Air gap	50 ft
Dimensions	
Hull Length, Overall	234 ft.
Hull Breadth, Overall	208 ft.
Hull Depth	25 ft.
Leg length	517 ft
Leg Spacing, transverse	142 ft
Leg Spacing, longitudinal	129 ft
Cantilever envelope, well center from transom	15 - 70 ft.
Cantilever envelope, well centre from centerline	+/- 15 ft.
Spud can diameter	47.2 ft.

### CAPACITIES

Rated drilling depth	30,000 ft.
Static hook load	750 tons
Rotary capacity	750 tons
Setback capacity	375 tons
Conductor tension capacity	250 tons
Variable Load, maximum drilling	4,850 tons (based on above environment)
Maximum combined cantilever load	1,250 tons
Drill water capacity	3,582 bbls
Fuel oil capacity	2,514 bbls
Base oil	662 bbls
Brine	855 bbls
Potable water	2,000 bbls
Liquid mud	3,500 bbls (including slug tank)
Bulk mud	6,000 ft <sup>3</sup>
Bulk cement	5,100 ft <sup>3</sup>
Sack storage	5,000 sacks

### Drilling Equipment

Drawworks	National Oilwell Varco Model ADS-10 T ,AC with 3 x 1, 150hp AC electric motors and regenerative braking
Top Drive	National Oilwell Varco Model TDS-8SA
Mud pumps	Three LEWCO Model W-2215, triplex pumps

Cranes	Main Block	Whipline
	Favelle Favco 7.5/10 K 50 tons @ 40 ft	10.9 tons @ 120 ft
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	Hydralift Pipehandling Knuckle Boom	9.9 tons @ 73 ft
Power Generation	5 x Caterpillar Model 3516B HD engines (2,150 hp each, 10,750 hp total)	
Pipe Racking	National Oilwell Varco / PRS-8 Racker	
ACCOMMODATION		
Total Capacity	112	
Number of single cabins	6	
Number of double cabins	53	
Number of operator offices	2	
Number of contractor offices	2	
Number of meeting rooms	1	
WELL CONTROL EQUIPMENT		
Diverter	KDFJ Diverter	
Annular BOP	Cameron DL 18 3/4" x 10,000 psi WP Annular BOP	
Ram BOP	2 x Cameron TL 18 3/4" x 15,000 psi WP Dual Ram BOP's	
Choke manifold	15,000 psi WP	
FLUID PROCESSING		
Shale shakers	5 x Brandt Model LCM-3D , High G	
Mud degasser	Brandt / DG-10 Vacuum Degasser	
Desander	National Oilwell Varco DSN-3V-10CTX, 3 x 10" cones, 1,200 gpm	
Desilter	National Oilwell Varco DSL-24GG-CTX, 24 x4" cones,	
Mud mixing pumps	Mission Magnum centrifugal pumps	
DRILL STRING		
Drill Pipe	20,000 ft, 5 7/8" OD, S-135, Range 2, XT57 tool joints, 7" OD x 4.25" ID, 26.3 ppf nominal	
Drill Collars	Six, 9 1/2" OD x 3" ID, spiral drill collars Eighteen, 8 1/2" OD x 2 13/16" ID, spiral drill collars Eighteen, 7" OD x 2 13/16" ID, spiral drill collars	
Hevi-Wate Drill Pipe	Thirty, 5 7/8" Heavy Weight drill pipe, XT57 tool joints	