




## Drilling Company International Ltd.

### DCI-1 Jack Up Rig Main Specification

General Information			
Rig Name	DCI-1		
Rig Type	Jack Up/ Self Elevating		
Design	Friede & Goldman, Super M2		
Rig Manufacturer	CIMC Raffles Offshore LTD		
IMO No.	9638082		
Call Sign	3FXW5		
MMSI No.	373368000		
Class Society	NK		
Unit Flag	Panama		
Date of Construction	2011		
Water Depth	300 ft	Mud Pumps	3 Nos. TSC Workforce-2000, Triplex (2000HP), Driven by AC Motors, 7500 psi Fluid End W.P
Wind Speed	100 Knots	Shale Shakers	5 Nos. TSC/HZS280-3P, Liner Motion
Drilling Depth	30000 ft	Desander / DeSilter	2 Sets, Integrated Desander (4 Nos. 10" Cones) & Desilter ( 24 Nos. 4") Each
Accommodation	114 Persons	Mud/Gas Separator	250-300 m <sup>3</sup> /h. Design Pressure: 580 psi
Hull Dimensions	196' x 183' x 25'	Degasser	HLZCQ-260/ Vacuum Degasser
Legs	3 x 411 ft Including Spud Cans	Mud Centrifuge	1 No. TSC / LW450 x 1000 N1H Medium Speed & 1 No. TSC / LW450 x 1000 N3H High Speed
Leg Spacing	Transverse: 36.58 m Longitudinal: 35.05 m	Mud Tank	8 Nos. 714 Actual /640 Usable (m <sup>3</sup> ) Capacity
Spud Can Diameters/ Bearing Area	12.9 m / 106.8 Square Meter (Each)	Bulk System & Storage Capacity	
Jacking & Skidding System		Drilling Water	1208 m <sup>3</sup>
Jacking System type	Friede & Goldman Rack VFD-440 Jack up Rack & Pinion	Fresh (Potable) Water	372 m <sup>3</sup>
Normal Jacking Capacity	440 kips/unit	Fuel Oil	644 m <sup>3</sup>
Longitudinal/ Transversal Skidding	Hydraulic System	Dry Bulk Storage	340 m <sup>3</sup>
Cantilever Envelope:	0 ft - 50 ft Aft Transom , 15 ft Center Line Either Side	Cement Silos	2 No, 68 m <sup>3</sup> (Each)
Variable Load During Operation	4080 MT	Barite / Bentonite Silos	3 No, 68 m <sup>3</sup> (Each)
Electrical Power Supply		Well Control Equipment	
Main Generator Set	5 Nos. SR4B 1530 eKW Generators & 5 Nos. CAT (3516B HD) Engines	Diverter	DV 49 1/2" - 500, H <sub>2</sub> S Trim
Emergency Generator	1 No, SR4B 550 eKW Generator & 1 No. CAT (3412C) Engine	Annular BOP	21 1/4"-2000 psi 13 5/8"-10000 psi
Drilling Equipment		Ram Type BOP	21 1/4" - 2000 psi (Double) 13 5/8" - 15000 psi (Single) 13 5/8" - 15000 psi (Double)
Derrick	35ft x 40ft, Height:170ft , Static Load of 1500 klbs	BOP Control Unit	20 x 15 Gallon Capacity, 3000 psi
Drawworks	TSC, Model D2330, 2300HP, Driven By AC Motors. 1 5/8" Grooved Drum	Choke & Kill Manifold	3 1/16", 15000 psi
Top Drive	CANRIG Model: 1275AC-681, Capacity 750 sh ton. Continues Torque Rating:51400ft.lb@120RPM	Cranes	
Rotary Table	TSC, Model 495E, 49 1/2", 1150 HP	Cranes	2 Nos. Type: GN50/8 , Make: MEP Pellegrini, Italy
Travelling Block	Rated Capacity: 1500klbs, 7 x 60" 1 5/8" Grooved Sheaves.	Auxiliary Equipment	
Crown Block	Rated Capacity:1500klbs, (6+2) x 60" 1 5/8" Grooved Sheaves.	Water Maker	2 Nos. 25 MT/day (Each), RO Type
Well Testing Equipment		Compressors	2 Nos. Main Compressor Atlas Copco, Model:GA355W, WP: 58-145 psi, 516 HP 1No, Bulk Compressor Atlas Copco, Model: GA132A, WP: 90-150 psi 177 HP
Burners	2 Nos. 15000 BOPD / 120 MMSCFD Gas, Design Pressure/ Temp : 1440psi /-41 to 250 Deg. F, 6 Head Burner Assy. (Each)	Air Drier	2 Nos. Atlas Copco, Rated Capacity: 2700 NCMPH & 1 No, Atlas Copco, Rated Capacity 1620 NCMPH
Burner Booms	2 Nos. 90 Feet Long	Mooring System	4 Nos. 3.2 ton Anchors , 4 Nos. Anchor Winches 65.5 HP
Cementing Equipment		Communication & Navigation	Inmarsat, Radios( VHF, UHF), GMDSS, EPIRB, SARTs, AIS, SSAS, Air Band, Gyro Compass, AVTEX, LIRT,DGPS
Cement Unit	Model PCS-621B Double Pump Skid, WP:10400 psi ,FR:3.4 m <sup>3</sup> /min	Safety & Life Saving Equipment	
Pipe Handling Equipment		H <sub>2</sub> S Monitoring System	Installed @ Bell Nipple, Drill Floor, Shale Shakers, Mud Tanks, Mud Pump Room, Ventilation System Into Living Quarters & Others
Iron Roughneck	2 Nos. TSC Pedestal IR150 & IR120, 3 1/2" to 9 1/2" Pipe Range & 100 -120, Kft-lbs Max. M/U & B/O Torque Range. (IR150 Equipped with Slew Hydraulic System)	Fire Pump	2 Nos. Main. 160m <sup>3</sup> /hr@70 m
Catwalk Machin	Friede & Goldman, Capable for Handling 2 3/8" to 36" Tubular Range	Life Boat	2 Nos. Located @ Port/STBD, 120 Person/Craft
Stand Arm	Capable for Handling 3 1/2" to 9 1/2" Tubular Range	Life Rafts	5 Nos. Located @ Port/STBD, 25 Person/Craft
HTV	Capable for Handling 3 1/2" to 9 1/2" Tubular Range	Fast Rescue Craft (FRC)	1 No, Power: 6kNots
Bridge Racker	Capable for Handling 3 1/2" to 9 5/8" Tubular Range	Pollution Prevention	EVAC Sewage Treatment, JOWA Oily Water Separator, Garbage Compactor
		Fire/Smoke Detectors	130 Nos. Make Autonica