

New Build Jack Up Rig

GENERAL INFORMATION

Rig Type	IC Jack Up
Design	LeTourneau Super 116 E
Built	Lamprell,UAE- Hamriyah Yard
Class Society	American Bureau of Shipping
Class Notation	ABS, A1 Self-Elevating Drilling Unit With CPS notation for PSPC
Water Depth	350 ft.
Drilling Depth	30,000 ft.
Accommodation	120 man
Compliance	MODU CODE 2009

MAIN PARTICULARS

Hull Dimensions	243'1" x 206' x 26'
Legs	3X Square Lattice, 477 feet
Leg Spacing	Transverse – 142 ft Longitudinal – 129 ft
Helideck	Designed for S61N/S92 Helicopter dia. of 73 ft. Built to CAP 437

PRIME MOVERS

Rig Main Power	5 Cat. Main Engines 3516C HD of 2150 HP each (total 10750 HP) with 2280 KVA generators
Emergency Power	1 Emergency generator Cat 3512C (1476 HP) of 1600 KVA

DRILLING EQUIPMENT

Derrick	Woolslayer 750-35x32x170 ft tall Max. Static hook load of 750 ST
Draw works	ADS 10T driven by 3 x 1150 HP VFD AC motors.
Top drive (Retractable)	Varco TDS 8SA with GE GEB-20 AC motor, rated at 1150 HP, VFD AC motor drive with PH-100 Pipe Handler
Rotary table	D-495 Rotary Table with 49-1/2" Opening with electric drive
Travelling block	NOV 750 s/ton
Iron Roughneck	NOV ST-120 with 100000 ft-lbs make up torque
Drilling Instrumentation	MD Totco Rigsense3 System with NOV Amphion System (1chair)

MUD SYSTEM

Mud Pumps	3 NOV 14-P-220 triplex mud pumps each with 2Nos NOV DM27A 1,150 HP top mounted VFD AC motors and belt drive configuration. Fluid ends rated for 7,500 psi W. P.
Shale Shakers	4 Brandt VSM-300 Elliptical motion Shale Shakers
Gumbo Box	1no. Brandt 6 ft. Single Cartridge gumbo box
Mud Conditioner	1 Brandt VSM-300 mounted (24/3) mud conditioner
Others	Barite recovery and cutting drier systems
Liquid Mud Tanks	4 nos. OBM,4 WBM & slug/pre-mix pits, Total 3755bbl, Sand Trap-361 bbl ,2 nos. Trip Tanks – Total 86 bbl

WELL CONTROL EQUIPMENT

Diverter System	49-1/2" KFDJ, 500 psi
Annular BOP	21 1/4" 2,000 psi Cameron Annular BOP 13 5/8" 10000 psi Annular
Ram BOP	13 5/8" 15000 psi Cameron Type "U" Double -2 Nos.
BOP controls	28 accumulators 15 gallon 3000 psi WP for Diverter and the BOP stack
Choke & Kill Manifold	3 1/16" 15000 psi TBA
Cantilever	Reach – 70 ft
Substructure	Transverse – 15 ft P&S
Spud can dia.	50'6"
Max. Hull Draft	17 ft
Displacement	Approx. 27,064 kips

CAPACITIES

Static hook load	1.5 million lbs
Setback capacity	750 Kips
Operating Variable Load	7325 Kips(Incl. of Drilling Load)
Cantilever individual Loads	Hook-1500 kips, setback-750 kips, Pipe rack -800 Kips
Preload	50901 bbl.
Fuel Oil	2509 bbl
Drill Water	11,144 bbl
Potable Water	1921 bbl
Liquid mud	3743 bbl
Base Oil	820 bbl
Bulk Tanks	12250 Cu ft
Sack Storage	5000 sacks
Brine	970 bbl
Accommodation	A/C Accommodation for 120 men

HULL/DECK EQUIPMENT

Jacking System	Letourneau-60pinions-390 Kips per Pinion
Skidding System	Letourneau Electric skidding systems.
Deck Cranes	Letourneau -Two Electric Deck cranes of 68 ton capacity each with 140' boom and One Electrical Deck crane of 38 ton capacity with 120' boom

AUXILIARY EQUIPMENT

Air compressors	3 nos. Air compressors rated 750 cfm , 125 psi with Two Air drier
Water Makers	2 nos. Reverse Osmosis type units rated at 15,000 GPD each
Fixed Fire Fighting System	For Engine room, E gen room, VFD room, Paint Locker
Gas Detection System	Combustible and H ₂ S gas
Safety Equipment	4 x 60 Man life boats, 5 nos. 25 man each life rafts, Life Buoys, Line throwing apparatus, Helicopter Rescue Equipment
Mooring system	4.Nos 5 ton Anchors. 4.Nos Anchor Winches 30 ton each
Communication	Inmarsat, SSB, VHF, Navtex, AIS, Talk Back system for Drill floor
CCTV	CCTV camera for Drill floor,Helideck, shale shaker, Leg and sub base area