

TITANIA FE

The Titania FE is an Independent Leg Cantilever Jack-Up with operational history in the Gulf of Mexico.



GENERAL (U.S.)

Built	2014 Dalian Shipyard, China
Design	Friede & Goldman JU2000E
Flag/Class	Singapore / ABS
Dimensions	231 ft Long / 249 ft Wide / 31 ft Deep / 324 ft long including Heliport
Cantilever Envelope	75 ft x 15 ft x 15 ft
Draft	22 ft Transit
Displacement	50,693 kips at Load line
Variable Load	6,600 kips Transit 14,500 kips Drilling
Accommodations	140 Persons
Helideck	Sikorsky S-61N
Max. Water Depth	Up To 400 ft
Max. Drilling Depth	35,000 ft
Legs	3x 548 ft triangular truss 478 ft usable below hull
Legs Spacing	156 ft Transverse 150 ft Longitudinal
Spud cans	59 ft Diameter
Jacking System	F&G, 18x Pinions per leg
Mooring Winches	4x Pellegrini AT40000/E, 120 HP 88 kips pull
Mooring Lines	4x 3,000 ft, 2" Diameter IWRC
Anchors	4x Chongqing Pingxiang, Delta HHP 16.5 kips

STORAGE CAPACITIES

Fuel	4,044 bbls
Drill Water	8,292 bbls
Potable Water	3,425 bbls
Liquid Mud	4,337 bbls
Base Oil	1,340 bbls
Brine	1,340 bbls
Bulk Bentonite / Barite	9,888 ft ³
Bulk Cement	9,888 ft ³
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Top Drive	TTS-STD 1000 AC, rated for 2,000 kips hoisting capacity, max continuous torque 98,000 lb-ft
Drawworks	TTS, Ultrahoist 1060-6000, 2" drill line. Maximum line pull 16 lines of 2,120 kips
Rotary Table	TTS-HYD, 49.5", load rating 2,000 kips, max speed 15 rpm, max torque 30,535 lb-ft
Tubular Handling	TTS-JIM 10T LR Iron Roughneck
Derrick	TTS DD-1000 III, 210 ft tall with 40 ft base, max static hook load 2,200 kips in crown
Mud Pumps	3x AKER Wirth, TPK-2200, 2,200 HP
HP Mud System	Rated for 7,500 psi
Shale Shakers	4x MI SWACO MD-3

WELL CONTROL

BOP (High Pressure)	1x Annular Cameron DL 18-3/4" - 10,000 psi 2x Double ram Cameron TL 18-3/4" - 15,000 psi
Diverter	1x KFDJ Vetco Gray Spherical 49.5" 500 psi
BOP Handling	2x TTS 150 kips Hoist
Choke & Kill Manifold	Cameron 15,000 psi
Conductor Tensioning	TSC 8x lift points, total tension 600 kips.

CRANES

Primary Cranes	3x Liebherr CBO 3600-75, 120 ft boom, block capacity 82.7 short tons @ 65.6 ft minimum radius and 38.9 short tons @ 120 ft maximum radius; whip capacity 16.6 short tons at any radius.
Pipe Handling Crane	TTS GPOKTcp 680-12-25; hook w/o gripper 11.0 short tons (10.5 - 52.5 ft), 13.2 short tons (19.7 - 45.9 ft); gripper 5.5 short tons (10.5 - 82.0 ft); yoke pad eye(s) 11.0 short tons (19.7 - 49.2 ft) / 7.7 short tons (10.5 - 68.9 ft).

POWER

Main Engines	6x Caterpillar 3516C HD 2,150 HP Diesel Engines
Main Generators	6x Caterpillar SR4B 1,534 kW
Emergency Power	1x Caterpillar C-32 900 kW Diesel Engine 1x Caterpillar Generator 900 kW (In addition to 6 Main Engines)

Further information: +52 938 135 75 70

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GENERAL (METRIC)

Built	2014 Dalian Shipyard, China
Design	Friede & Goldman JU2000E
Flag/Class	Singapore / ABS
Dimensions	70.4 m Long / 76 m Wide / 9.5 m Deep / 98.7 m long including Heliport
Cantilever Envelope	22.8 m x 4.5 m x 4.5 m
Draft	6.7 m Transit
Displacement	22,994 mt at Load line
Variable Load	2,995 mt Transit 6,577 mt Drilling
Accommodations	140 Persons
Helideck	Sikorsky S-61N
Max. Water Depth	Up To 122 m
Max. Drilling Depth	10,668 m
Legs	3x 167 m triangular truss 145 m usable below hull
Legs Spacing	47.5 m Transverse 45.7 m Longitudinal
Spud cans	18 m Diameter
Jacking System	F&G, 18x Pinions per leg
Mooring Winches	4x Pellegrini AT40000/E, 89.5 kW 40 mt pull
Mooring Lines	4x 914 m 50.8 mm Diameter IWRC
Anchors	4x Chongqing Pingxiang, Delta HHP 7.5 mt

STORAGE CAPACITIES

Fuel	643 m ³
Drill Water	1,318 m ³
Potable Water	545 m ³
Liquid Mud	690 m ³
Base Oil	213 m ³
Brine	213 m ³
Bulk Bentonite / Barite	280 m ³
Bulk Cement	280 m ³
Sack Storage	5,000 Sacks

DRILLING PACKAGE

Top Drive	TTS-STD 1000 AC rated for 907 mt Hoisting capacity, max continuous torque 132,870 Nm
Drawworks	TTS, Ultrahoist 1060-6000, 50.8 mm drill line. Maximum line pull 16 lines of 961 mt
Rotary Table	TTS-HYD, 1.26 m, load rating 907 mt (static), max speed 15 rpm, max torque 40,900 Nm
Tubular Handling	TTS-JIM 10T LR Iron Roughneck
Derrick	TTS DD-1000 III, 63.95 m tall with 12.2 m base, max static hook load 998 mt in crown
Mud Pumps	3x AKER Wirth, TPK-2200, 1,640 kW
HP Mud System	Rated for 517 bar
Shale Shakers	4x MI SWACO MD-3

WELL CONTROL

BOP (High Pressure)	1x Annular Cameron DL 47.62cm - 690 bar 2x Double ram Cameron TL 47.62cm - 1,034 bar
Diverter	1x KFDJ Vetco Gray Spherical 1.25 m 34 bar
BOP Handling	2x TTS 68 mt Hoist
Choke & Kill Manifold	Cameron 1,034 bar
Conductor Tensioning	TSC 8 x Lift Points Total Tension 272 mt

CRANES

Primary Cranes	3x Liebherr CBO 3600-75, 36.6 m boom, block capacity 75 tonnes @ 20 m minimum radius and 35.3 tonnes @ 36.5 m maximum radius; whip capacity 15 tonnes at any radius.
Pipe Handling Crane	TTS GPOKTcp 680-12-25; hook w/o gripper 10 T (3.2 - 16 m), 12 T (6 - 14 m); gripper 5 T (3.2 - 25 m); yoke pad eye(s) 10 T (6 - 15 m) / 7 T (3.2 - 21 m).

POWER

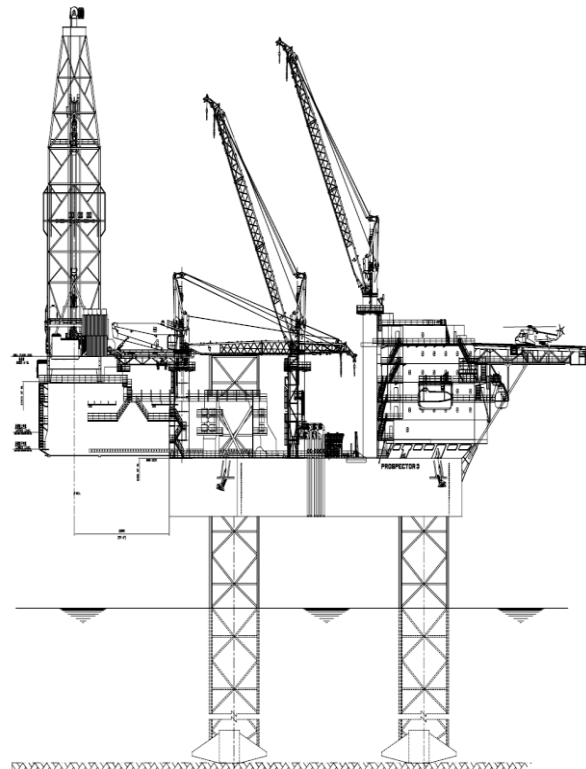
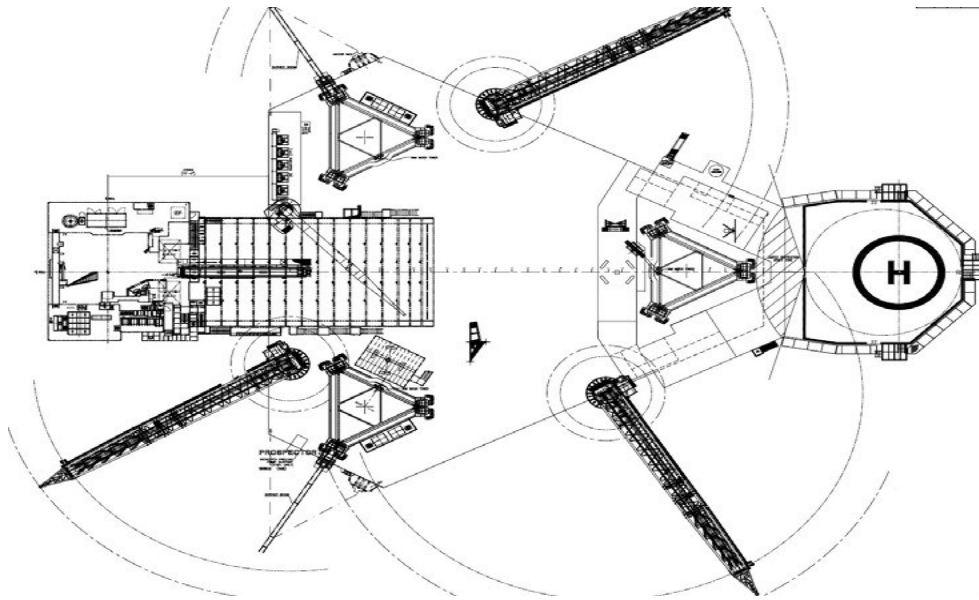
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