

Three legs, Self Elevating Unit, Cantilever

Friede & Goldman L-780 Model II Jack up

DRILLING RIG SPECIFICATIONS



TECHNICAL DATA

GENERAL

Rig Type:	Three legs, self elevating unit, cantilever
Design:	Friede & Goldman L-780 Model II jackup
Builder:	Astilleros Corrientes SA, Buenos Aries
Year Built:	1984, upgrade 2011
Classification:	ABS +A1 Self Elevating Drilling Unit
Flag:	Vanuatu
Accommodation:	98 + 1 hospital
Max. Drill Depth:	25,000 ft / 7,620 m
Max. Water Depth:	300 ft (91 m)
Helideck:	70 ft diameter, rated for Sikorski S-61 helicopter
Operating Conditions:	Wind speed 50 knots, wave height 25 ft
Storm Conditions:	Wind speed 100 knots, wave height 50 ft

TECHNICAL DIMENSIONS

Length:	180 ft / 55 m
Breadth:	175 ft / 53 m
Depth:	25 ft / 7.6 m
Ocean Transit Draft:	14.5 ft / 4.4 m
VDL – Operating:	2,070 st / 1,878 mt
VDL – Storm:	1,026 st / 930 mt
VDL – Ocean Transit	1,257 st / 1,140 mt

CAPACITIES

Liquid Mud:	1,921 bbls / 10,785 cu ft / 305 m ³
Drill Water:	5,572 bbls / 31,284 cu ft / 885 m ³
Potable Water:	1,393 bbls / 7,821 cu ft / 221 m ³
Fuel Oil:	2,509 bbls / 14,087 cu ft / 399 m ³
Bulk Mud:	4,000 cu ft / 113 m ³
Bulk Cement:	4,000 cu ft / 113 m ³
Sack Material:	2,500 sacks

DRILLING EQUIPMENT

Derrick:	Dreco 160 ft x 30 ft x 30 ft, 1,040 kips static hook load
Drawworks:	Oilwell E-3000, 2000 hp input; Elmagco 7838W auxiliary brake
Top Drive:	Varco TDS-3, 500 tons
Iron Roughneck:	Varco ST-80C
Rotary:	A 49 ½ National Oilwell , independent drive
Pipe Handling:	Manual
Mud Pumps:	2 x National 12-P-1600 triplex 1,600 HP each 1x Upetrom 3 PN 2000 triplex , 2,000 HP



TECHNICAL DATA

Shale Shakers:	3 x S 250-1 type Brandt Retro –FS tandem basket shakers
Mud Cleaner:	1 x VSM 300 Balanced elliptical motion
Desander:	Brandt 2 cones x 12 in
Desilter:	Brandt 16 cones x 4 in
BOP:	1 x 13-5/8 in Hydrill 5 K Annular; 1 x 13-5/8 in Cameron U 10 K Double; 1 x 13-5/8 in Cameron U 10 K Single.
Control System:	Koomey Type 80 with 32 x 11 gal bottles & two remote control stations
Choke & Kill:	1 x 4.1/16 in 10K choke manifold for H2S service 1 x 3 - 1 / 16 in & 1 x 2 – 9 / 16 in x 10K remote control chokes 2 x 3 - 1 / 16 in x 10 K manual chokes
Cementing:	Third party

MACHINERY

Main Power:	2 x EMD 16-645-E8 x 2,200 HP each; 1 x EMD 12-645-E8 x 1,650 HP;
Emergency Power:	1 x Caterpillar C-18, 587 HP, 400 V, AC
Power Distribution:	4 x Ross-Hill Controls 1600 & 2 x ICPE ACTEL SIEMENS
Deck Cranes:	3 x Skagit Model 363, 100 ft boom, 46.5 tons @ 30 ft

JACK-UP SPECIFICATIONS

Legs:	Triangular 3 x 416 ft; Usable below hull 376 ft
Leg Spacing:	Longitudinal 115 ft, Transverse 120 ft
Spud Cans:	39.8 ft diameter x 20 ft height
Jacking System:	National electric drive rack and pinion
Cantilever / Slot:	Cantilever 50 ft x 24 ft

MOORING EQUIPMENT

Winches:	4 x 75 kips, Skagit JUW-075 single drum
Wire / Chain:	4 x 2,430 ft x 1½in wire
Anchors:	4 x 6,600 lbs Stevfix

