



WFD Rig 450

GENERAL INFORMATION

Rig Type:	Jackup Super 116-C
Builder:	M.L.T
Year Built	1999 Brownsville Tx
Class	ABS
Accommodation	82 Persons
Helideck:	S-61

MAIN DIMENSIONS

Hull Length:	243 ft
Hull Breadth:	206ft
Depth:	26 ft
Legs:	3 x 544 ft Square Truss
Spud Can:	46 ft diameter

POWER EQUIPMENT

Main Power:	4 x Cat 3516-B Diesel Engines
Emergency Power:	1 x Cat 3516-B Diesel Engine

OPERATING PARAMETERS

Water Depth:	20 ft – 400 ft
Rated Drilling Depth:	30,000 ft
Variable Deck Load:	6500 Kips
Total Drilling Load:	1,500 Kips
Leg Length Below Hull:	490 ft
Transit Draft:	20 ft
Drilling Window 70'x30'	

DRILLING EQUIPMENT

Derrick (L x W x H):	170 ft x 305ft x 32 ft 650 sT static hook load capacity
Drawworks:	National 1625-UE
Rotary Table:	National C-495
Top Drive:	Varco TDS 4S
Hoisting System:	650 sT
Pipe Handling:	Forum Floorhand FH100
Mud Pump:	3 x National 14-P-2200triplex
Solids Control:	Derrick: SGX-38.1-18-460-6-014 Shale Shakers, Derrick Mud Cleaner & Brandt Gumbo Box

STORAGE CAPACITIES

Fuel:	2024 bbl s
Drill Water:	14,217 bbl s
Liquid Mud:	2529 bbl s
Brine Storage	794 bbls
Base oil Storage:	632 bbls
Potable Water:	1658 bbls
Bulk Mud:	5934 ft ³ Barite/Gel
Bulk Cement:	5098 ft ³
Sack storage:	5000 Cubic Feet



WELL CONTROL SYSTEMS

Diverter:	1 x 21-1/4" Shaffer, 2,000 psi
BOP:	1 x 13-5/8" Shaffer 5,000 psi annular preventer 1 x 13-5/8" Cameron Type "U" 10,000 psi double ram preventer 1 x 13-5/8" Cameron Type "U" 10,000 psi single ram preventer
Control System:	Cad BOP Control 540 US gal, 3,000 psi
Choke and Kill:	3-1/16" x 10,000 psi 1 manual and 2 hydraulic chokes
BOP Handling:	2 x 50-ton hoist & trolley system

SAFETY

Lifeboats:	2 x NORSAFE (Maggie) 90 man each capacity P/S 1 Norsafe Fast rescue boat (Melin 615) w/144 HP Engine
Life Rafts:	4-Viking Throw Over Hand Launched 25 man each

OTHER EQUIPMENT

Cranes:	1 x API Marathon LeTourneau PCM 120-SS Electric,(Port) 120 ft boom 50 sT at 24 ft radius 2 x API Marathon LeTourneau PCM 120 SS w/100 ft boom
Drill Pipe:	5" (4-1/2 IF) x 12,000 ft
HW Drill Pipe:	5" (4-1/2 IF) x 30 joints
Drill Collars:	8" (6-5/8" REG) x 9 joints 6-1/2" (4-1/2 XH)12joints
Cementing Equipment:	Halliburton Unit, 15,000 psi

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