



# MAJESTIC Rig Specifications

## DESIGN:

ABS Classed Posted Inland Water Drilling Barge  
Built Marco Polo Shipyard 2011

## MAIN DIMENSIONS:

Length, Barge.....	232 ft.
Breadth, Barge.....	70 ft.
Depth, Barge.....	14 ft.
Posted Deck.....	14 ft.
Barge Draft (normal operating condition) .....	7.5 ft.
Drill Slot.....	30 ft. x 26 ft.
Height, Transit .....	68 ft.
Helideck rating.....	9.3 tons - For Sikorsky S-61

## DESIGN CRITERIA:

Operating water depth (protected water).....	8 ft. to 24 ft.
Max. Rated drilling depth .....	30,000 ft.

## STORAGE CAPACITIES:

Fuel oil .....	3,247 bbls
Drill water .....	2,727 bbls
Potable water.....	2,140 bbls
Liquid mud (Process).....	641 bbls
Total Liquid Mud.....	3,500 bbls
Bulk tanks .....	4,800 ft <sup>3</sup>
Pollution Tank .....	96 bbls

## ACCOMMODATION:

Air conditioned cabins for 120 personnel  
8 x 25 man Inflatable Life Rafts

## POWER EQUIPMENT:

Main Engines:	Three (3) EMD Model 16-645-E9 Engines – 9,210 hp total
Power Management:	Integrated Drive Systems 3 x 6 x 3000hp VFD Power system
Emergency Use:	One (1) CAT 3508 Engine - 1020 hp

## MOORING SYSTEM:

Spud Can pinning system.  
No Anchor winches

## DRILLING EQUIPMENT:

Drawworks:	American Block Model DNS 3600 Powered by Two (2) 1800hp AC motors with Wichita Disc Brake
Derrick:	Cantilever Mast – 156 ft. clear height x 30 ft. wide base, 2,000,000 pounds
Crown Block:	DDE 1000 short tons, 7 x 60" sheaves for 1-3/4 inch drilling line
Traveling Block:	DDE, 1000 short tons, 8 x 60" sheaves for 1-3/4 inch drilling line
Top Drive:	GDS 850 tons with GE B 20 1,200 hp AC Motor
Rotary Table:	Model B375 with Model YJ13N1 1,000 hp AC Motor

## BOP & DIVERTER EQUIPMENT:

BOPs & Diverter:	One 29 1/2" x 500 psi Hydril diverter. One Schaffer 21-1/4" x 2,000 psi Annular. One 21-1/4" x 2,000 psi Double Ram BOP. One 13 3/8" Shaffer 10M Annular. One 13-5/8" Cameron 15M Type "U" Double Ram BOP. One 13-5/8" Cameron 15M Type "U" Single Ram BOP
BOP Control System:	CPC Accumulator unit with 540 Gallon capacity with Remote control panel at Drillers Cabin, Tool pusher Office.
BOP Crane:	Two (2) 50 Ton BOP Handling Crane

## MUD CIRCULATION SYSTEM:

Mud Pumps:	Three (3) White Star WS-2200HP Quadraplex pump, each with two (2) GE 1150hp AC Traction motors, 7,500psi max operating pressure.
Shale Shakers:	Three (3) Derrick 626 Dual Pool High "G" Shale shakers
Mud Cleaner:	One (1) Derrick 616 High "G" shaker with 20 x 4" Desilter and 3 x 10" Desander cones
Degasser:	One (1) Derrick Vacu-Flow Model 1200 Degasser

## OTHER EQUIPMENT:

Cranes:	One (1) Seacrane Model K55, 100 ft. Boom rated at 60 short tons @ 25 ft. radius One (1) Seacrane Model K35, 100 ft. Boom rated at 40 short tons @ 25 ft. radius
Water Maker:	One (1) Talisman Sea Model S45 Reverse Osmosis unit - 45 m <sup>3</sup> /day
Air Compressors:	Three (3) Quincy Model QSI-370i – 100 hp = 361 ACFM @ 125 psi Screw Type Compressors
Air Dryer:	One (1) Quincy Model QPNC-750 – 750 CFM air dryer – refrigerated system
Cold Start Comp:	One (1) Quincy Model DS350 Simplex Reciprocating Air Compressor powered by a Lister Diesel engine, rated 33.4 ACFM @ 175 psi.
Anti-pollution Equipment:	One (1) Owens Kleen Tank Marine Sanitation unit
Oily Water Sep.	Model JOWA-1 – 4.4 gpm

## COMMUNICATIONS

Radio Equipment:	Furuno Marine VHF unit, Two (2) GMDSS SART units, One (1) EPIRB unit, One (1) Navtex Transceiver, One (1) Furuno Model 16-SSAS Inmarsat unit, and Ten (10) Marine Walkie Talkie Radios with chargers
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