



“IMPERIAL” ABS CLASSED POSTED DRILLING BARGE

KEY DIMENSIONS

- Barge Length: 205.5 feet
- Barge Width: 80 feet
- Barge Depth: 14 feet
- Posted Deck: 14 feet
- Barge Draft: 8' normal operating condition
- RKB to Barge Deck: 43'
- Transit Height: 68'
- Drill Slot: 42' X 24'
- Working Depth: 7 feet light ship up to 24 feet protected water

PARTICULARS

- McDermott Shipyard 1981, Upgrade 2004 and 2012
- ABS Class A1, Maltese Cross
- Meets International SOLAS Regulations, 1998 LSA Code
- Meets Load Line International Convention
- Meets International Prevention of Pollution Protocol, 1978
- API , AWS 1 standards

CAPACITIES

- Accommodations: 102+2 Men
- Potable water: 2132 barrels
- Fuel Oil: 2440 barrels
- Total liquid mud: 3665 barrels
- Active mud: 1050 barrels
- Reserve mud: 2119 barrels
- Slug Pit: 119 barrels
- Trip Tank: 20 barrels
- Process tank: 357 barrels
- Bulk tanks: 4600 cubic feet (4 tanks)
- Drill Water: 2916 barrels

DRAWWORKS

- Gardner Denver 3000E
- Powered by three (3) EMD D-79 Traction Motors
- 1 ½” Drill line grooved
- Elmagco 7838 auxiliary electric brake

TOP DRIVE SYSTEM

- Varco TDS-4S with PH85 Pipe Handler
- Continuous torque rating of 45,500 ft lbs @ 130 rpm and 29,100 ft lbs @ 205 rpm
- Powered by GE 752 1,000 hp traction motor
- 500 ton x 144” elevator bails

ROTARY DRIVE SYSTEM

- National Model C-375 37 ½”
- Complete with Master Bushings and all split (API) Bushings
- Driven by EMD D-79 800 hp Traction Motor

MAST AND TRAVELING EQUIPMENT

- Cantilever Dreco Mast – 160 feet clear height x 30 feet wide base.
- Gross nominal capacity of 2,000,000 lbs (1,000 short tons)
 - 14 line capability
 - Model C Casing stabbing board complete with 20’ of vertical travel, girt adapter brackets, adjustable hinged working platform, belly band and pad.
 - One Crown Block – manufactured by Dreco – 6 x 60” sheaves and 60” fastline – grooved for 1 ½” drilling line.
 - One 750 short ton Traveling Block: manufactured Dreco. Seven (7) x 60” diameter sheaves grooved for 1 5/8 drill line. Connects to Top Drive via Becket.

CRANES

PRIMARY CRANE

- American Seahorse Model 160 with 100 foot Boom
- Rated at 25 short tons at 20’

SECONDARY CRANE

- Unit Mariner Model 280-H with 70 foot Boom
- Rated at 13 short tons at 20’

MUD PUMPS (TWO)

- White Star Quad 1600
- Working pressure 7,500 psi
- Each pump driven by two (2) EMD D79 800 hp Traction Motors with blower ventilation.
- Chain lubrication system included.

LIQUID MUD SYSTEM

- 3,665 barrel total system
- Four (4) Derrick 500 Series Shale Shakers
- One (1) Derrick Desander 2x12” cones 1,000 gpm

- One (1) Derrick Desilter 20x4” cones 1,250 gpm
- One (1) Derrick Vertical Degasser

POWER GENERATION

- Three (3) each Electro Motive Diesel (EMD) Model 16-645-E8/E9 Diesel Engines
- Rated at total of 6,970 HP
- One (1) Emergency Generator Cat D6412T 680 KVA

POWER MANAGEMENT

- ISC Four (4) Bay SCR System
- Three (3) ITC 750 kVA Transformers

RIG AIR SYSTEM

- Three (3) Each Quincy Model QSI-500 – 125 hp – 500CFM @ 125 psi
- Two (2) Each Domnick Hunter Model DX110 – 700 CFM air dryer – refrigerated system
- One (1) Each Ingersoll Rand Model XP375WIR Simplex Reciprocating Air Compressor powered by a Lister Diesel engine rated at 375 CFM at 125PSIG. (Cold Start Compressor)

BLOW OUT PREVENTION SYSTEM

- One (1) Koomey Accumulator System Model T/20200-3S
- One (1) Hydrill Annular Preventer 5M working pressure
- One (1) Cameron Type “U” Double Preventer 13 5/8 x 10M working pressure
- One (1) Cameron Type “U” Single Preventer 13 5/8 x 150 working pressure
- One (1) 30” 500 psi Hydrill Diverter System
- BOPS are all H2S service
- Rig fitted with 2 x 35 ton BOP Handling Cranes.
- Choke Manifold rated to 15,000 psi

DRILLING/HANDLING TOOLS

- AOT Type HT-65 Manual Drilling Tongs, complete with lugs up to 14 3/8” and safety handles.
- Two (2) each 0 to 20,000 lbs tong torque gauges with hose and sensor
- Two (2) each 5” drill pipe GG x 350 ton Elevators
- One (1) Spin master 950 Hydraulic pipe spinner with independent Hydraulic unit sized to accommodate 3 1/2” to 9 1.2: OD pipe
- Twisterspin HPU – 40 hp @ 6000 VAC 3 phase unit set @ 4000 psi
- 4 each 4 1/2” reg x NC50 bit subs
- 4 each 6 5/8” reg pin x NC50 box bottleneck crossover subs

AUXILLIARY EQUIPMENT

- One (1) Mathey Model RET Wireline Unit with 15 HP motor and 20,000 feet 0.092 wire including one lot of spares
- Three (3) each 5 Star 48” Bug Blowers
- Rig Floor fitted with Man Rider winch
- Four (4) 1050 Ft3 Bulk Tanks fitted to starboard side of Rig. Certified and tested

ACCOMMODATIONS

- Rig is fitted with accommodation module (expandable) for 102 Men
- Fully air conditioned with Heliport capable of Bell 212 or equivalent – heliport fitted with transponder heli-beacon.
- Private accommodation for Company Representative, Toolpusher and Engineer office.
- Accommodation provides Media Room with large screen satellite TV.
- Accommodation fitted with Radio Room complete with Furuno Marine VHF, 10 each Marine Walkie Talkie radios with Chargers, 2 each GMDSS SART Units (Search and Rescue), One (1) each EPIRB Unit, One Navtex Transceiver and One (1) Furuno Model 16-SSAS Inmarsat Unit for Global communication.
- Hospital with easy access/egress to Heliport.
- Giatronics Indoor and Outdoor Public Address and Alarm system.
- Driller's talkback system will be provided on Floor.
- Security Provisions as required

SAFETY EQUIPMENT

- New towing bridles
- Heliport foam fire fighting system complete with SOLAS-approved FF Suit and Monitor.
- 8 x 25 man inflatable Life Rafts
- Fire blankets
- Mast escape device/safety harness and assists
- Confined Space Entry Kit with Tripod
- Environmental Spill Kits (2)
- H2S and Combustible Gas Monitoring at drill floor, flo-line, shakers and active mud pit
- 2 portable gas detectors-4 gas detector (LEL/H2S/CO2 and O2) with calibration kits and cases.
- 6 each Self Contained Breathing apparatus
- Smoke detection system with alarm panels for accommodation.
- Thermal Detectors in Engine Room, Emergency Generator Room, Galley, Laundry.
- CO2 System fitted to Paint Locker
- CO2 fitted to VFD House
- Water Mist System fitted in Engine Room
- Shower Stations at Mud Pits, Shakers, Rig Floor and Mud Mix Area
- Eye Wash Stations at Mud Pits, Shakers, Rig Floor and Mud Mix Area.
- Type 1 USCG-approved Life Jackets – 165 each
- Sala Blocks, Lanyards, Belts, Harnesses for fall protection.
- All Fire Hoses, Extinguishers, wrenches, Two (2) each Fire Fighting Suits for Fire Teams.
- Overheat Galley Hood System for both Junior and Senior Galleys.
- Radio Room Notification Panel with Annunciator Panel at Drillers Console.
- Three (3) Portable axial blowers for Ventilation.
- Two (2) MSDS Stations for Rig
- One (1) Lock Out-Tag Out Electrical Hazard System
- PPE equipment includes: hard hats, safety glasses, Face Shields, Gloves, Respirators, ear plugs, PPE Boxes (5) Chemical aprons, eye glass cleaning stations, Life Jacket boxes, static-free electrical pole, electrical-insulated matting for VFD House

Note: Owner reserves the right to change Manufacturer of certain items of capital equipment dependent upon delivery schedules. Ratings however, will remain constant.