

ATWOOD HUNTER



The ATWOOD HUNTER is a column stabilized semi-submersible drilling unit currently rated to drill to 25,000 feet in water depths up to 5,000 feet. The ATWOOD HUNTER is equipped with three (3) mud pumps, a Varco TDS-4 top drive system, a Cameron 18³/₄" x 10,000 psi BOP stack complete with two (2) dual rams and two (2) annular preventers. The rig is very well equipped and outfitted for drilling, completion, and intervention operations and has excellent subsea tree and template handling capabilities.

CHARACTERISTICS

Type Of Vessel	Semisubmersible
Rig Design	Catamaran Column Stabilized
Water Depth	5,000 ft.
Drilling Depth	20,000 ft.
Year of Construction	1981
Year of Upgrade	1997/2001
Variable Load	3,559 ST
Drilling Draft	55 ft.
Operating Displacement	26,670.4 ST

PRINCIPAL DIMENSIONS

Length	290 ft.
Beam	246.77 ft.
Hulls	2
Beam	52 ft.
Depth	25 ft.
Baseline to Main Deck	95 ft.
Baseline to Pipe Rack	108 ft.
Baseline to Drill Floor	128.4 ft.

CAPACITIES

Liquid Mud	
Active & Reserve	3,247 bbls.
Bulk Material	10,000 cu. ft.
Sack Storage	5,120 sacks
Drill Water	21,328 bbls.
Fuel	7,548 bbls.
Potable Water	1,966 bbls.
Accommodations	120 persons (plus 6 bed sick bay)



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MOORING SYSTEM

Anchor Winches

Four (4) Skagit TMWW-325/44 combination traction winch/windlass units

Chains

Eight (8) 2 3/4" QRC + 20% x 4,500' each, 1,60,000 lbs. min. breaking strength

Wire

Eight (8) 3 1/4" x 8,500' 6 x 49 IWRC galv.

Anchors

Five (5) 10 Metric Ton Stevpris MK5 and three (3) 12 Metric ton Stevpris MK5

Chain Chasers

Eight (8) Bruce Ring cast steel

DRILLING EQUIPMENT

Drawworks

Oilwell E-3000 driven by three (3) GE752 DC 800 HP motors with Baylor 9650 electric brake and National ME 3000 disc brake

Derrick

Pyramid 185' with 1,200,000 lb. static hook load capacity

Motion Compensator

Western Gear Model 600-20/25C with 600,000 lb. capacity and 25 ft. stroke.

Static load lockout capacity 1,200,000 lbs.

Rotary Table

Oilwell 49 1/2" driven by GE752 motor

Crown Block

Pyramid 600 ton

Traveling Block

Western Gear 650 ton on two (2) guiderail system

Swivel

Oilwell PC-650

Top Drive

Varco TDS-4S with PH85 pipe handler

Drill Floor Manipulator Arm

MH Pyramid MH3009-01 for handling riser and tubulars

Iron Roughneck

Varco ST-80, Tubular OD Range 4-1/4" to 8 1/2" Nominal Drill Pipe Sizes 3 1/2" to 5 1/2"

Rotating Mousehole

International Oiltools Phantom Mouse Model 1994 and Twister Torque Tool Model

TT98 to allow make up and break out off the critical path

Drill Pipe

18,000 ft. S-135, 19.50 lb with NC 50 connections; thirty-three (33) 5" heavyweight drill pipe with NC 50 connections

Drill Collars

Thirty-four (34) 6 1/2" OD x 2-13/16" ID x 30' long spiral collars with NC 50 connections, twenty (20) 8-1/4" OD x 2-13/16" ID x 30' long spiral collars with 6-5/8" API regular connections, ten (10) 9-1/2" OD x 3" ID x 30' long spiral collars with 7-5/8" API regular connections

BOP EQUIPMENT

Divertor System

Regan KFDS-500 with 12" divertor lines

Flex Joint

Oil States 10 degree single flex 18 3/4" with Vetco HMF connections

Riser Connector

Vetco H-4, style "E" 18 3/4" 10,000 PSI WP

Annular BOP's

Two (2) Shaffer 18 3/4" 5,000 PSI WP

Ram Preventers

Two (2) Cameron double type "U" 18 3/4" 10,000 PSI WP

Wellhead Connector

Vetco H-4 Style "E" 18 3/4" 10,000 PSI WP

Choke Manifold

Control Flow 3-1/16" 10,000 PSI WP with two (2) hydraulic and two (2) manual adjustable chokes

RISER EQUIPMENT

Marine Riser

6,225' Vetco 21" OD x 75' long x 5/8" wall with Vetco HMF flanged connectors with 2.575" ID x 4.375" OD 15K PSI W/P integral choke and kill lines, one (1) hydraulic supply line and one (1) mud circulating line; 22 jts. with 2,000' floatation; 20 jts. with 3,500' floatation; 3.75 ID x 5.375 OD choke and kill lines on 20 jts. with 5,000' floatation, 15 jts. with 6,000' floatation. Six (6) slick joints. One (1) 50' pup, one (1) 42.75' pup, one (1) 37.50 pup, one (1) 31.25 and one (1) 25' pup

Riser Pup Joints

One (1) each - 25 ft., 31.5 ft., 37.5 ft., 43.75 ft., and 50 ft.

Slip Joint

Two (2) 55 ft. stroke with dual packers with solid inserts installed with Vetco HMF connections

Guideline Tensioning Units

Four (4) Western Gear single line tensioners with 40 ft. line travel and maximum line load capacity of 16,000 lbs. each.

Hole Position Indicator

Kongsberg Simrad HPR410D Acoustic Positioning System

Riser Tensioner

Four (4) Western Gear 80k singles, two (2) Western Gear 80 k duals, two (2) Western Gear 160 k duals

MUD SYSTEM

Mud Pumps

Three (3) Oilwell A-1700PT beltdrive triplex pumps, each driven by two (2) GE-752 DC motors

Charging pumps

Three (3) 6" x 5" centrifugal with 100HP electric motors

Mud Mixing Pumps

Three (3) 6" x 5" centrifugal with 100HP electric motors

Shaleshaker

Four (4) Brandt Dual Tandem high speed units cascading onto four (4) Brandt flow line cleaners

Degasser

One (1) Brandt Model DG10, Capacity 1,000 GPM

Mud Gas Separator

48" diameter x 17' tall with 10" vent line to derrick top, two (2) 5" inlet lines from choke manifold and liquid seal system

Gumbo Box

One (1) Atwood design

POWER SYSTEM

AC Generator

Two (2) EMD-16-645-E9B diesel engines, 2,925 HP each driving GE AB20-6 (2,625KVA) 600 VAC generator; one (1) EMD-16-645-E8 diesel engine 2,200 HP driving GE AB20-6 (2,625KVA) 600 VAC generator

Emergency Generator

One (1) Caterpillar 3412 diesel engine driving 550 KW 600 VAC generator.

Power Distribution

Ten (10) Bay IPS SCR system, 600 VAC/750 VDC; two (2) 3,000 amp; four (4) 2,000 amp; four (4) 1,200 amp

AUXILIARY EQUIPMENT

Cranes

One (1) Seatrax Series 80 Model 8032 with 150' boom and dynamic rating of 105,061 lbs. at 70 ft.; one (1) Sea Trax Series 60 Model 6032 with 140 ft. boom. Main block dynamic rating, 60,000 lbs. (30 tons) at 90 ft., auxiliary line dynamic rating 30,000 lbs (15 tons) at 140 ft. two (2) 60 ton hydraulic bridge cranes for handling BOP stack; Houston System Gearmatic Model 44 BOP transporter system with cart tracks and four (4) handling carts for port/starboard skidding of BOP (LMRP) Subsea Trees; and one (1) Cranemann 30 ton riser handling gantry crane

Safety

One (1) lot portable fire extinguishers per IMO MODU; CO2 fire suppression system; 50 gallon foam system on heliport; life jackets; six (6) 25 person life rafts; three (3) 44 person Watercraft lifeboats per IMO MODU regulations; one (1) Schat Harding MOB 17 fast rescue craft

Drilling Instrumentation

Petron drillers cabin with Petron Networked Distributed Drilling Data (3D) Instrumentation System with (controls, gauges and lights for the control and monitoring of approximately 90 items).

Ballast Control System

Electronic control board with readouts on all tanks

CCTV System

Kongsberg Simrad fiber optic color system with 18 cameras and 9 monitors for monitoring various areas on the rig

Heliport

83 ft. x 83 ft. rated for 19,000 lbs designed to accommodate Sikorsky S-61N helicopter, presently set up for a Super Puma

Communication System

GMDSS Radio Station RC-1500-IT with MF/HF Radiotelephone and Inmarsat C, MES, Fleet 77

Distillation Units

Alfa-Laval Model DPU-36-C125 rated at 14,500 GPD

Sewage Treatment System - Omnipure 12MS