

RIG # 525

1,500 HP Triple Mast Drilling Rig

SUBSTRUCTURE

One Piece Step Down with 3' pony sub
 Floor Height: 16' 2" (19'-2" with 3' pony sub)
 Clear Height (beneath rotary beams): 13' 10" (16'-10" with 3' pony sub)
 Rotary Capacity: 500,000 lbf
 Max Pipe Setback: 380,000 lbf
Note: All floor heights above are based on the substructure sitting on 6" mats, 14" skidding system beams & 3' pony sub

MAST

127' telescoping, Drill Line: 1-1/4"
 Static Hook Load: 500,000 lbf
 Racking Capacity: 22,500' of 4" DP, 17,300' of 5" DP

DRAWWORKS

Rigmaster E80AC 500,000lbs w/ 8 Lines
 Input Power: 1,500 hp AC traction motor
 Main Brake: 1,500 hp AC traction motor (Dynamic)
 Aux Parking Brake: Eaton armature brake & drum / band brake system

TOP DRIVE

Tesco EXI 600 AC 350 Ton: Max speed 220 rpm,
 Continuous Drill Torque: 30,000 ft-lbs
 Max Torque (Make / Break): 45,000 ft-lbs
 Integral 250 Ton 4 X 36" split block assembly

FLOOR TOOLS

-NOV ST-80C Iron Roughneck Conn Range: 4 1/4" to 8 1/2"
 Maximum Make-up torque: 60,000 ft-lbs
 Maximum Break-out torque: 80,000 ft-lbs
 -EDS 27 1/2" 250 Ton Rotary Table with hydraulic drive to position tools only
 27 1/2" Diameter opening
 -Hydraulic Mousehole Assembly

POWER SYSTEM

VFD, MCC, Woodward Generator Control, three Detroit Diesel MTU 16V2000, 1350 BHP 1,800 rpm engines with Marathon 900 kVA Generators & one Detroit Diesel Series 60, 685 BHP 1,800 rpm engine with Marathon 600 kVA Generator.
 Dual Fuel Compatible (Diesel / Natural Gas)

MUD PUMPS (TWO)

RS-F1600 Triplex Rated Power: 1600 hp
 Stroke: 12"
 Input Power: 1500 hp AC traction motor
 Pressure Rating: 7500 psi

OPTIONAL MECHANICAL THIRD PUMP

PZ-11 Triplex Rated Power: 1600 hp
 Stroke: 11"
 Input Power: 1550 hp Caterpillar 3512 DITA with 6 speed Transmission
 Pressure Rating: 7500 psi

MUD TANKS

Two Tank "Covered" w/ 1000bbls total capacity
 Shakers: Two MI Swaco Mongoose 4 panel dual motion
 Mud Gas Separator: CWS SMGS 6' OD x 22.3' tall
 Trip Tank: 20 bbls

MUD SYSTEM

7500 psi Max Pressure
 5" Main plumbing and standpipe

SCALPING TANK

Main Tank: 280 bbls capacity
 Trip Tank: 80 bbls capacity
 Shakers: Two MI Swaco Mongoose 4 panel dual motion

BOP (NACE)

As Required by Contract
 25 Ton BOP Handling System

MANIFOLD

4 1/8" x 3-1/8" 5,000 psi c/w 1 EA 3 1/8" manual chokes

ACCUMULATOR

CTI: 120 gal 5 station 3000 psi, c/w N2 Backup & electric triplex pump

CATWALK

Ja-co Catwalk, tubular max length 45', max OD 13 5/8", max weight 10,000lbs

TUBULARS

Drill Pipe: Supplied as needed, per availability
 Drill Collars & heavylate: Supplied as needed, per availability

MISC.

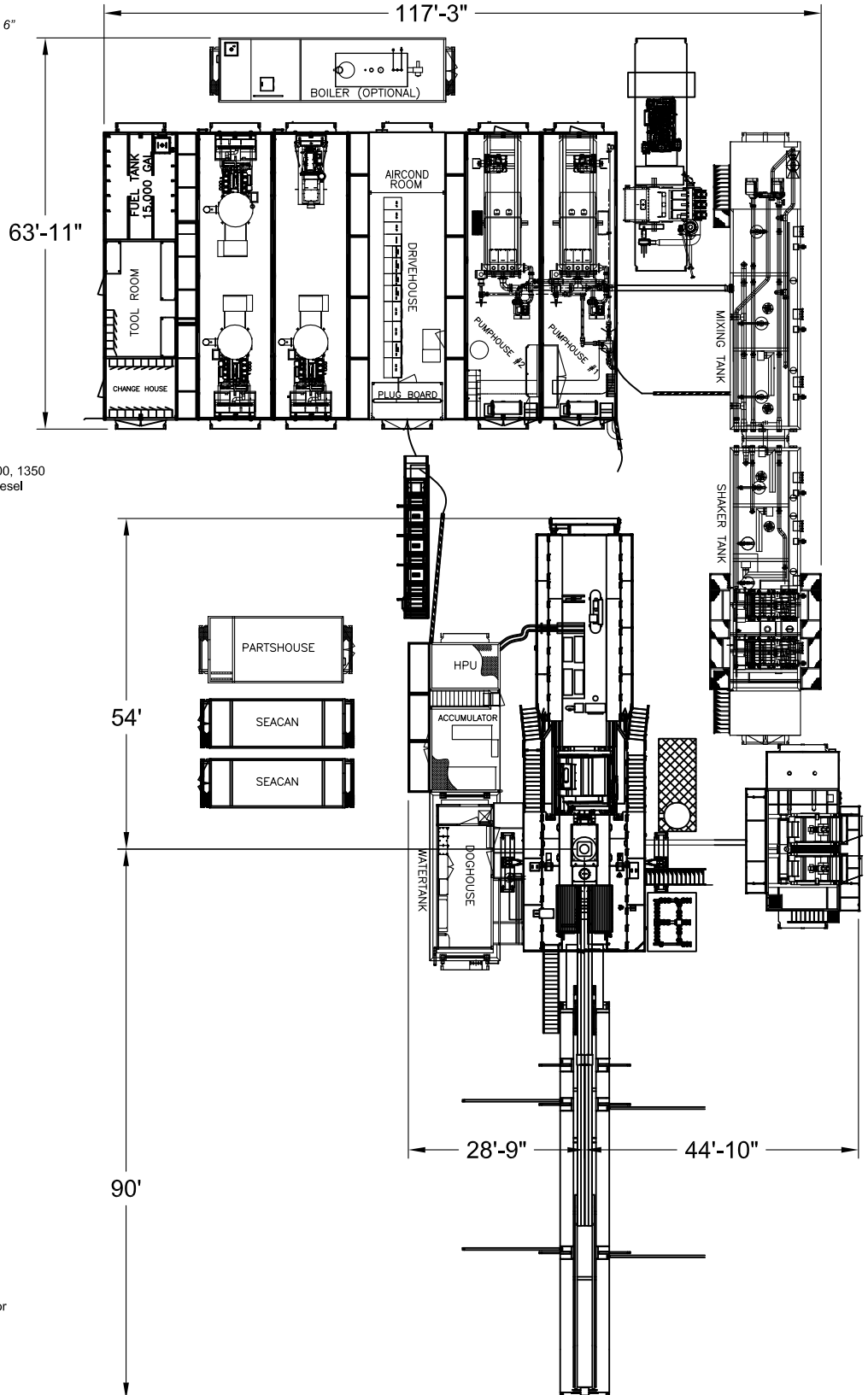
Water Tank: 400bbls; Fuel Tank 10,000 gal; Screw Compressor
 Boiler: 125 hp with Full Winterization (Optional)

MOVING SYSTEM:

Hydraulic skidding system with rams and integrated skid beams.
 Dual Zipper style umbilical [110' displacement each, 220' total] connection for hydraulic and electrical supply.

TOOL/ STORAGE/ CAMP

Parts Storage Room and Tool House Room
 Rig Manage Trailer: 14' x 44' skid mounted



Standard inventory represents the typical rig configuration and inventory available. Optional items are not included in the standard inventory and are available upon request, as mutually agreed upon.

All ratings quoted herein are manufacturer specifications. AKITA's normal operating parameters are 90% of manufacturer ratings. Operation of rig equipment beyond these parameters requires approval from AKITA field office management.