



RIG # 518

1,500 HP Triple Mast Drilling Rig

SUBSTRUCTURE

One Piece Step Down
 Floor Height: 16' 2" (19'-2" with optional 3' pony subs)
 Clear Height (beneath rotary beams): 13' 10" (16'-10" with optional pony subs)
 Rotary Capacity: 650,000 lbf
 Max Pipe Setback: 600,000 lbf
Note: All floor heights above are based on the substructure sitting on 6" Mats & 14" Walking system

MAST

127' telescoping, Drill Line: 1-1/4"
 Static Hook Load: 500,000 lbf
 Racking Capacity: 28,000' of 4" DP, 24,000' 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 EX1 600 AC 350 Ton: Max speed 220 rpm,
 Continuous Drill Torque: 30,000 ft-lbs
 Max Torque (Make / Break): 45,000 ft-lbs
 600 hp AC induction motor & drive system with PLC
 Integral 250 Ton 4 X 36" split block assembly

IRON ROUGHNECK

NOV ST-80C Conn Range: 4 1/4" to 8 1/2"
 Spin Speed: 75 rpm nominal on 5" drill pipe
 Spin Torque: 1,750 ft-lbs
 Maximum Make-up torque: 60,000 ft-lbs
 Maximum Break-out torque: 80,000 ft-lbs

ROTARY TABLE

EDS 27 1/2" 250 Ton with hydraulic drive to position tools only
 27 1/2" Diameter opening

ROTARY MOUSEHOLE

90' Hydraulic Assembly

POWER SYSTEM

VFD, MCC, Woodward Generator Control, Four MTU 16V2000, 1350 BHP1,800 rpm engines with Marathon 900 KVA Generators

MUD PUMPS

QTY: 2
 RS-F1600 Triplex Rated Power: 1600 hp
 Stroke: 12"
 Input Power: 1500 hp AC traction motor
 Pressure Rating: 7500 psi

OPTIONAL MECHANICAL THIRD PUMP

RSF 1600 Triplex Rated Power: 1600 hp
 Stroke: 12"
 Caterpillar 3512 with 6 Speed Transmission
 Pressure Rating: 7500 psi

MUD TANKS

Two Tank w/ 1000bbls total capacity
 Shakers: Two MI Swaco Mongoose 4 panel dual motion
 Mud Gas Separator: MI Swaco 4' OD x 12' tall
 Trip Tank: 20 bbls

MUD SYSTEM

7500 psi Max Pressure
 5" Main plumbing and standpipe

SCALPING TANK (Optional)

Main Tank: 280 bbls capacity
 Trip Tank: 80 bbls capacity
 Shakers: Two Derrick Hyper Pool Shakers

BOP (NACE)

As Per Required by Contract

MANIFOLD

Pacific: 3-1/8" 5,000 psi c/w two 3-1/8" chokes

ACCUMULATOR

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

CATWALK

Ja-co Power Catwalk, tubular max length 45', max OD 12", max weight 10,000lbs

TUBULARS

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

MISC.

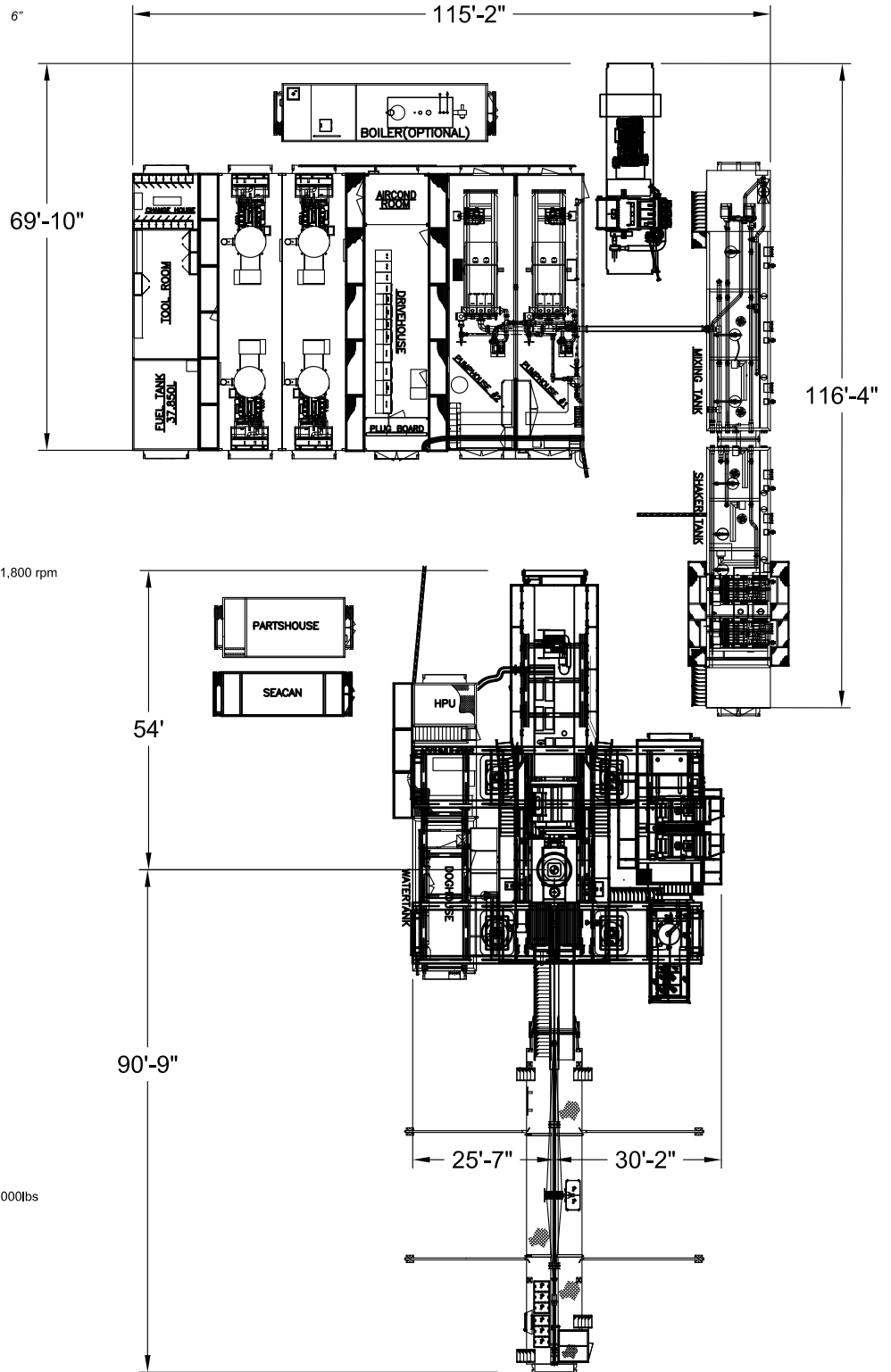
Water Tank: 400bbls; Fuel Tank 10,000gal; Screw Compressor
 Optional Boiler: 125 hp with Full Winterization

MOVING SYSTEM:

Integrated hydraulic "Stomper" style X / Y movement capacity.
 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 Manager 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.