



# RIG # 57

## 1,150 HP Double Mast Drilling Rig

### SUBSTRUCTURE

One Piece Step Down  
 Floor Height: 18' 9" (on 4' pony sub moving system)  
 Clear Height (beneath rotary beams): 15' 5"  
 Rotary Capacity: 400,000 lbf  
 Max Pipe Setback: 400,000 lbf

*Note: All floor heights above are based on the substructure sitting on 6" mats & 4' pony sub moving system*

### MAST

106' telescoping, Drill Line: 1-1/8"  
 Static Hook Load: 440,000 lbf  
 Racking Capacity: 18,000' of 4" DP, 12,500' of 5" DP

### DRAWWORKS

TSM 850 425,000lbs w/ 10 Lines  
 Input Power: 1,150 hp AC traction motor  
 Main Brake: 1,150 hp AC traction motor (Dynamic)  
 Aux Parking Brake: Eaton 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  
 600 hp AC induction motor & drive system with PLC  
 250 Ton 5 x 36" Becket Block Assembly

### IRON ROUGHNECK

NOV ST-80C Conn Range: 4 1/4" to 8 1/2"  
 Spln 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

National 27 1/2" 500 Ton with hydraulic drive to position tools only  
 27 1/2" Diameter opening

### POWER SYSTEM

VFD, MCC, Eaton Drives, Current Power Systems Controls, three Caterpillar C32 gen sets, 1350 BHP.

### MUD PUMPS (TWO)

HHF1600 Triplex Rated Power: 1600 hp  
 Stroke: 12"  
 Input Power: 1500 hp AC traction motor  
 Pressure Rating: 5000 psi

### MUD TANKS

Two Tank system w/ 1200 bbls total capacity  
 Shakers: Three MI Swaco Mongoose 4 panel dual motion  
 Mud Gas Separator: MI Swaco 4' OD x 12' tall  
 Pill Tank: 54 bbls

### MUD SYSTEM

5000 psi Max Pressure  
 5" Main plumbing and standpipe

### SCALPING TANK

Main Tank: 186 bbls capacity  
 Trip Tank: 24 bbls capacity  
 Shakers: Three NOV Venom shakers dual motion

### BOP (NACE)

As per Required by Contract

### MANIFOLD

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

### ACCUMULATOR

CTI: 160 gal 6 station 3000 psi, c/w N2 Backup & electric triplex pump

### CATWALK

Ja-co Power Catwalk, tubular max length 47' 6", max OD 13 5/8", max weight 10,000lbs

### TUBULARS

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

### MISC.

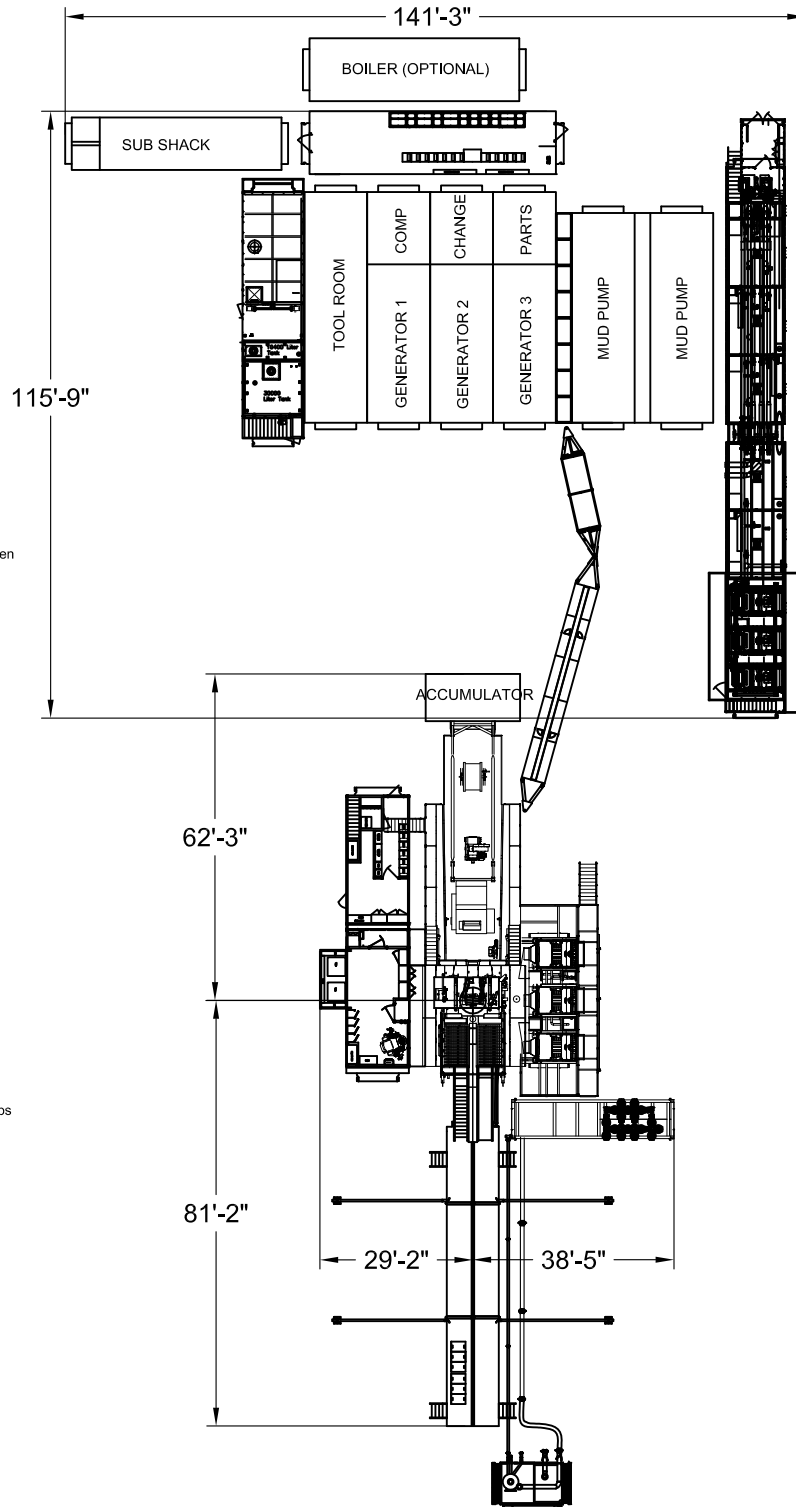
Water Tank: 409 bbls; Fuel Tank 189 bbls; Screw Compressor  
 Boiler: 125 hp with Full Winterization

### MOVING SYSTEM:

Walking beam hydraulic pony sub moving system for linear motion & slide shift.  
 350' of Utility Suitcase style [50' lengths] connection for hydraulic and electrical supply.

### TOOL/ STORAGE/ CAMP

Parts Storage Room and Tool House Room  
 Rig Manage Trailer: 14' x 44' skld 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.