



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 3/4"
 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)

11" x 5000 psi WP Spherical Annular
 11" x 5000 psi WP Double Ram
 11" x 5000 psi WP Single Ram (Optional)

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.

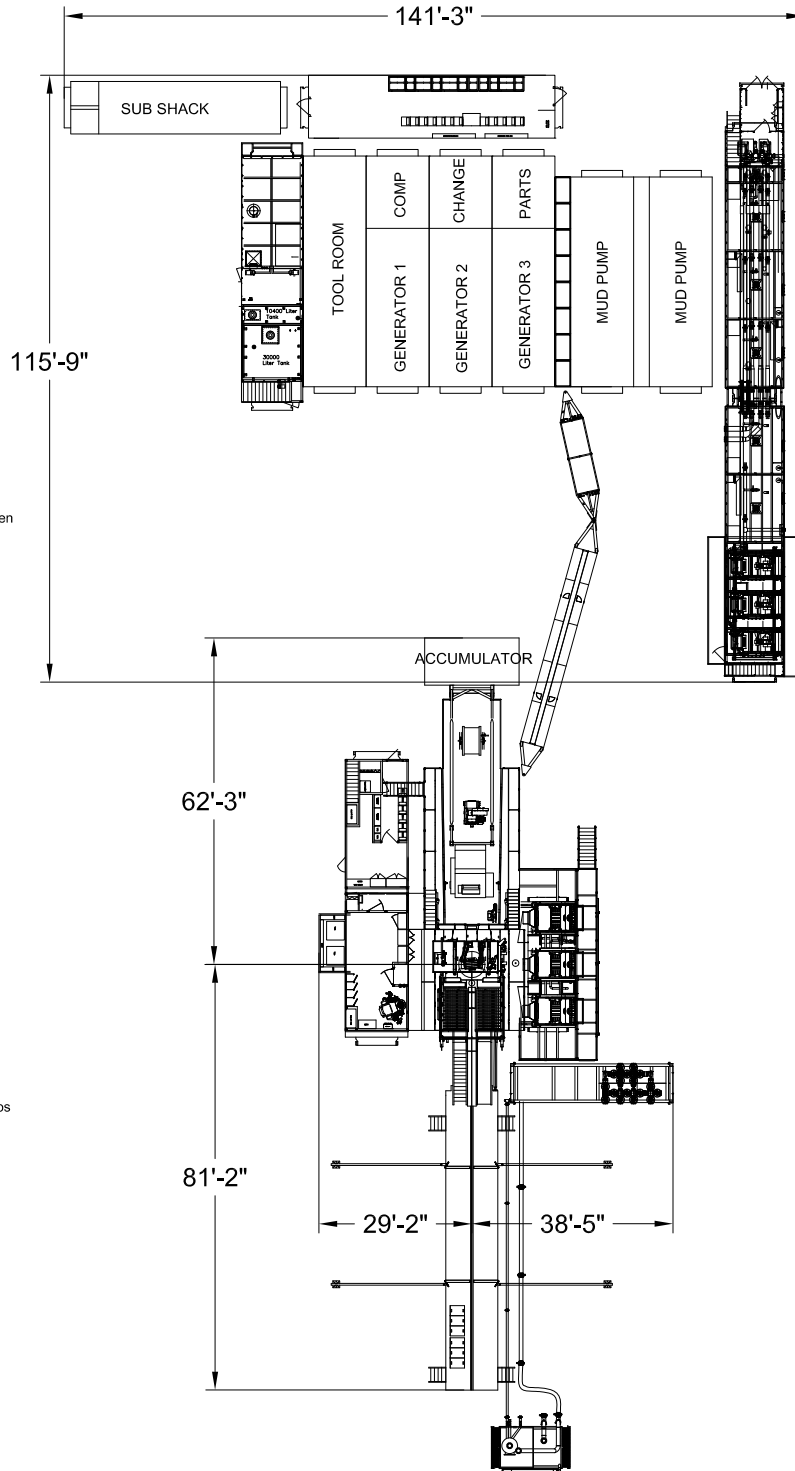
Water Tank: 409 bbls; Fuel Tank 189 bbls; Screw Compressor
 Boiler: 125 hp with Full Winterization

MOVING SYSTEM:

Walking beam hydraulic pony sub moving system for linear motion & side 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' 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 mast ratings and 80% of mud pump manufacturer pressure rating. Operation of rig equipment beyond these parameters requires approval from AKITA field office management.