

# Longyear-Lang #605

## SPECIFICATIONS

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### DERRICK

- 4,000 # Helicopter Lift Configuration
- Bolted, 11 sections
- 200,000 # Crown Block Rating
- Pipe Racking Capacity: 7,200ft (2,200m) – 4” drill pipe

### DRAWWORKS

- DRECO Model KH 400 PSD
- 4,000 # Helicopter Lift Configuration
- 200,000 # Hook Load Rating with 1” – 6 Part Line
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### TOP HEAD DRIVE

- Two (2) each 250hp 14 cubic inch Hydraulic Motors
- Low Range 0 – 150 RPM / 22,000 lbs/ft Torque Output
- Mid Range 0 – 300 RPM / 11,000 lbs/ft Torque Output
- High Range 0 – 700 RPM / 5,500 lbs/ft Torque Output

### TRAVELING BLOCK

- One (1) each McKissick Series 70 Hook and Swivel, 100T Capacity, three (3) sheaves grooved for 1” drill line

### SUBSTRUCTURE

- 15ft Clear Height
- Modular 4,000 # Sections, bolted
- 150,000 # Setback

### PRIMARY POWER

- One (1) each 3406 B Caterpillar Diesel Engine-draw-works 400hp
- One (1) each 3406 B Caterpillar Diesel Engine-hydraulics 400hp

### MUD TANKS SYSTEM

- Six (6) each 60 Barrel Tanks – 4,000 # Units comprising:
  - Four (4) each 60 Barrel Active Tanks
  - One (1) each 60 Barrel Reserve Tank
  - One (1) each 60 Barrel Dual Compartment Pre-mix Tank
- Two (2) each 30 Barrel Mixing / Pre-mix Tanks
- Two (2) each High Shear Centrifugal Mud Mixers
- Two (2) each 20 Barrel Trip Tanks

### SOLIDS CONTROL SYSTEM

- Two (2) each Swaco ALS II Linear Motion Shale Shakers
- One (1) each Demco two (2) x 12” Hydrocyclone Desander Unit
- One (1) each Swaco twelve (12) x 4” Hydrocyclone Desilter Unit

### MUD PUMPS

- Three (3) each OPI 350D Triplex Mud Pumps, each driven by 3406 Caterpillar Diesel Engine through five (5) speed Allison Transmission.

### PRESSURE CONTROL

- One (1) each Hydril GK-10-1500 Annular Preventer, 11” 5M
- One (1) each Shaffer LWS Double Ram Preventer, 11” 5M complete with sets of Blind rams, 7”, 4”, 3½”, 2-3/8” rams blocks
- One (1) each Koomey Type 80 Accumulator, 5-Station complete with Remote Driller’s Rig Floor Control Panel
- One (1) each Cameron HCR Valve, 3-1/16” 5M, One (1) each Cameron Manual Valve, 3-1/16” 5M, coflex choke line
- One (1) each Kill Line, 3” 5M comprising two (2) each Cameron Manual Valve and one (1) each Check Valve
- One (1) each Choke Manifold, 3-1/16” 10M front side and 2-1/16” 5M back side, complete with one (1) each Cameron Manual Choke and one (1) each Cameron Super Choke with Remote Control Panel operated from Rig Floor