



**BROST WELL SERVICING**  
**RIG # 4**  
**CLASS III SKIDDED DOUBLE**

**RIG**

- KSM-550 double drum hoist on a six-axle carrier powered by a 12.7 liter 60 series Detroit Diesel and an Allison CLBT 5860 transmission
- KSM 108' (32.9 m) mast with rated hook load of 240,000 lbs. (107 000 daN) with 8 lines (Blocks may be strung with 6 or 4 lines for lighter work)
- Main drum - 10" x 42" with an Eaton dual piston 224 water-cooled brake
- Drill line – 1" (6 x 31) x 765 m with an 8 line string up part of 103 500 daN
- Sandline drum - 10" x 42"
- Sandline – ½" x 4250 m ( 5 x 7 ) Pro Swaged
- Racking capacity - 14,000' of 3 1/2" tubing (4,250 m X 88.9 mm) double tubing
- Hydraulic Catworks – (1) 60" makeup and (1) 60" breakout hydraulic catwork cylinders c/w torque gauge
- Static lines - Two 3/4" static lines from crown to make and brake lines, for power swivel work
- Two Braden 8000 lb winches
- Safety Devices on rig
- Sala retractalock climbing device mounted at crown
- Sala secondary fall arrest mounted on a fold out arm on crown to hook to derrick man while in pipe tripping operations
- Monkey board rear access escape system
- No rod board or rod equipment on this rig
- Blocks – McKissick 84A 150 Ton 4 sheave for 8 line string up

**PUMP**

- SJ - 800 5" x 8" (41000 kPa) powered by a 12.7 liter 60 series Detroit Diesel and Allison 5860 automatic transmission in a fully enclosed building c/w steam heat. Demco seven valve pump manifold for easy suck back on both lines rated at 35000 kPa.

**MUD TANK**

- 300 Barrel (48m3) Two compartment tank c/w with mud guns, mix hopper, settling trough, steam coil, degasser and adjustable suction. Tank c/w man-lift for emergency egress. Pump line is 50.8 mm J-55 c/w Weco unions rated at 35000 kPa.

## Rig 4 Continued

### **COMBINATION BUILDING**

- Large crew change room (24 hour operation)
- Accumulator/Tool Room – Control Technology Inc. Class III -4 Station 90 gallon system c/w 9 11 gallon bottles and 4 – 58 litre nitrogen cylinders. System is designed to run four BOP functions (blind, pipe, annular, shear rams). There is 170 litres of usable fluid in system. System will allow us to operate an 11” x 5000 psi Class III stack. Incinoleet toilet in room.
- Light Plant Room – Equipped with two light plants
- One John Deer 40 Kw (summer operations or winter back-up)
- One John Deer 70 Kw (winter operations)
- Light Tower mounted on one end of building

### **JUNK SKID**

- Complete with BOP test stump. Two fitting boxes. Glycol storage tank c/w large electric fan mounted on radiator for cooling of Eaton Brake. Large fitting/tool room. Fuel storage tank.

### **BLOW OUT PREVENTORS**

- Integrated Equipment 7-1/16 x 5000 psi Spherical BOP
- Integrated Equipment 7 1/16 x 5000 psi Double Gate BOP
- Work Spool 7 1/16 x 5000 psi flanged
- Work Spool Valve 2 1/16” x 5000 psi flanged

### **MATTING**

- Two 8’ x 50’ (2.4 m x 15.24 m) rig mats. Two 8’ x 16’ (2.4 m x 4.8 m) pipe stabbing mat.

### **BOILER**

- Fully automatic 80 HP William Davis boiler with self contained built in blow down tank. Complete with 2” steam line and 1” return line, steam hoses, steam heaters and storage for fuel and water.

### **STANDARD EQUIPMENT**

- Foster 54-93R power tongs and Cavins model 101 air slips
- Tongs are capable of 15000 ft/lbs torque
- Two 2 7/8” (73.0 mm) TIW valves
- One 3 ½” (89.0 mm) TIW valve
- Handling equipment for 2 3/8” & 2 7/8” & 3 ½” Eue tubing (60.3 mm & 73.0 mm & 89.0 mm)
- Swabbing equipment for 2 3/8” & 2 7/8” & 3 ½” tubing (60.3 mm & 73.0 mm & 89.0 mm)

### **CATWALK AND PIPE RACKS**

- 8’ x 45’ cat walk c/w V-Door
- 4 – Pipe Racks

### **SAFETY EQUIPMENT**

- Regulatory equipment to meet all OH&S, AER, CAODC and Customer regulations, standards and policies, including Self contained breathing apparatus, Fire extinguishers, Gas detector, Electrical ground bounding lines, LEL gas monitor, Crown saver, BOP Ram saver, First aid and all other required Safety Equipment.