



**STONEHAM**  
DRILLING INC.

## **RIG 7 – 4500m TELESCOPIC TRIPLE**

**Rated Capacity: 4,500 meters with 127mm (5") Drill Pipe (CRITICAL SOUR)**

**CONSTRUCTION COMPLETED:** February 2005

### **DRAWWORKS**

TSM 1200 (1200Hp) c/w 2 x 36" Eaton Brake and Crown Alert Crown Saver  
Powered By: Caterpillar 3412 (860Hp)  
Allison S6610H (6 speed) Transmission  
Rotary Table: 20 ½" Max RPM 210  
Hydraulic Catline and Boom Line Winches  
Hydraulic Ram Make up and Break Out

### **SUBSTRUCTURE**

Mastco: One Piece, Unitized  
Maximum Setback Capacity: 177,920daN (400,000#)  
Clear Height: 4.21m without pony sub (app 5m with pony sub)  
c/w 6 Hydraulic Leveling Rams

### **PONY SUB**

Two piece 30" sub c/w Bearing Pad with BOP Trolley Integrated into the Bearing Pad and Pony Sub.

### **DERRICK**

Mastco Telescopic Triple  
Maximum Hook Load: 222,400daN (500,000#) -10 lines  
Racking Capacity: 4,500m 5" Drill Pipe  
Manufactured to accommodate Top Drive

### **OVERHEAD EQUIPMENT**

Crown: (X5) 42" cluster, (x1) 50" fastline (x1) 1/4" Drill Line  
Traveling Block/Hook: Mckissick Block and BJ Unimatic Hook Rated 311,360daN (350ton)  
Swivel: N-69 Rated 266,880daN (300ton)

### **MUD PUMPS**

(x2) Gardner Denver PZ-11 (c/w 127, 140, 152, 165mm liners)  
Maximum Rating 1600Hp (110spm max)  
Powered By: 3512 Caterpillar (1500Hp @ 1800RPM)

### **MUD TANK #1**

Gross Volume 84m<sup>3</sup> (Active 73.3m<sup>3</sup>)  
(x2) Shakers: Derrick FLC 2000  
(x2) Agitators 7.5Hp  
(x2) Mission Mag Centrifugal Pumps 5" x 6"  
Mission Mag Centrifugal Pump 6" x 8" Precharge Pump  
Mixer "Chemical Shearer"  
Hydraulic Actuated Roof



### **MUD TANK #2 (c/w Invert Vacuum System)**

Gross Volume: 74m<sup>3</sup> (Active 68m<sup>3</sup>)  
Mission Mag Centrifugal Pump 5" x 6"  
Conventional Mixer  
(x2) Agitators 7.5Hp  
Hydraulic Actuated Roof

### **BLOWOUT PREVENTION EQUIPMENT (NACE)**

Separate 20m<sup>3</sup> Degasser Tank Mounted on Pipe Tube #1 (Hydraulically Actuated)  
(x2) Poorboy Degassers 36" - 3/8" Wall  
(x2) 4" inlets (full 3" I.D.) and two (2) 8" outlets

### **ACCUMULATOR**

Koomey Style: 6-Function 2-Station 680 Liter (180 Gallon) BOP Control System Operating Press 21,000kPa  
(X2) BX-10 Triplex Pumps c/w 25Hp  
(x2) 340 Liter (90 US Gallon) Manifolds each with (x6) 56.6 Liter (15 US Gallon) Precharge Bottles  
(x3) Nitrogen Backup: 58 Liter 15 MPA Nitrogen Cylinders (plus one spare)  
Reservoir Tank: 1040 Liter (275 US Gallon)  
(x5) 1" 3000# BOP Control Valves with Hydraulic Actuators and Manual Override  
(x1) 1" 6000# BOP Control Valve with Hydraulic Actuator, Manual Override, Manifold Isolation and High Pressure Nitrogen Tie-in. For operation for Shear Ram (Designated Nitro-Shear)

### **B.O.P.s (NACE)**

279mm x 35,000kPa T-3 Model 7082 (11" 5000#) Annular Preventor  
(x3) 279mm x 35,000kPa T-3 Umodel 6012 Single Gate Ram Preventors

### **MANIFOLD (NACE)**

76mm Double Gut 35,000kPa (5000#)  
All valves 81mm (3 1/8") Tartan Gate Valves  
(x2) 81mm (3 1/8") API A2 Choke (Willis Style)

### **FLARE TANK**

Integrated 8m<sup>3</sup> c/w 2 x 4" Inlet Lines, Dual Stacks and Remote Ignitor

### **GEN SETS**

(x2) Caterpillar 3456 with Marathon 440kW (480 volt)

### **MISCELLANEOUS**

(x7) Hydraulic Pipe Tubs  
(40jts) 5" Range III Drill Pipe ea.  
Kelly Spinner  
Pipe Spinner  
Hydraulically Operated Catwalk (c/w Remote Control)

### **TUBULARS**

(2jts) 203mm x 6 5/8" Reg **Range III** Drill Collars  
(20jts) 165mm x 4 1/2" XH **Range III** Drill Collars  
(8jts) 127mm x 4 1/2" IF **Range III** HWDP  
(290jts) 127mm x 4 1/2" IF X-95 **Range III** Drill Pipe  
(1jt) 5 1/4 Square Kelly c/w HD Drive Bushings



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RIG 7 – TUBULAR INVENTORY**

- 1) 4000m (290jts) Range III 5" TSS 95 Drill Pipe 4 ½" FH Connection  
c/w TK-34 internal coating and hardbanding
- 2) (x20) Lengths of Range III Drill Collars 6 ½" O.D. 2 ¼" I.D.  
w/ slip Recess 4 ½" XH Connection Bore Back  
Stress Relieved, 10" pin hardfacing and 4" box hardfacing
- 3) (x2) Lengths of Range III Drill Collars 8" O.D. 3" I.D.  
Slick w slip Recess 6 5/8" Reg Connection Bore Back  
Stress Relieved, 10" pin hardfacing and 4" box hardfacing
- 4) (x1) 54ft Square Kelly 51ft drive area, 6 5/8" Reg L.H. 4 ½" FH pin
- 5) (x10) Pick up Subs 4 ½" XH cut for 5" and 4 ½" 18 deg Elevators
- 6) (x2) Pick up Subs 6 5/8" Reg Cut for 5" and 4 ½" 18 deg Elevators
- 7) (x1) Bit Sub OAL 36" 8" O.D. 6 5/8" Reg Box 6R Float Cut
- 8) (x2) Bit Subs OAL 36" 6 ½" O.D. 4 ½" Reg Box X 4 ½" XH Box 4R Float Cut
- 9) (x1) X/O Bel Sub 36" OAL, 6 5/8" Reg Pin X 4 ½" XH Box
- 10) (x3) Lower Kelly Cocks (one designated stabbing valve) 4 ½" XH
- 11) (x1) Upper Kelly Cock 6 5/8" Reg L.H.
- 12) (x2) Saver Subs 4 ½" XH pin X 4 ½" XH Box
- 13) (x1) X/O Sub 4 ½" XH pin X 4 ½" FH Box

Standard inventory represents the typical rig configuration and inventory available, but specifications are subject to slight modifications from time to time due to customer requirements.

**For further information on our equipment please contact:**  
**Sales and Marketing**  
**Stoneham Drilling Inc.**  
**Telephone: 403-264-7777**  
**Email: [sales@stonehamdrilling.ca](mailto:sales@stonehamdrilling.ca)**

