



STONEHAM
DRILLING INC.

RIG 20 – 3500m TELESCOPIC DOUBLE

Rated Capacity: 3500 meters with 114mm (4 ½”) Drill Pipe (CRITICAL SOUR)

CONSTRUCTION COMPLETED: December 2007

DRAWWORKS

TSM 850 (850Hp) c/w 3 X 24" Eaton Brake and Crown Alert Crown Saver
Powered By: Caterpillar C-18 (700Hp)
Allison S6610H (6 speed) Transmission
Rotary Table: 20 1/2" Max RPM 210
Hydraulic Catline and Boom Line Winches
Hydraulic Ram Make Up and Break Out

SUBSTRUCTURE

National: One Piece Unitized
Maximum Setback Capacity: 142,336daN (320,000#)
Clear Height: 4.21m (5.28m w/ 42" Pony Sub)
c/w 6 Hydraulic Leveling Rams

DERRICK

"National" Telescopic Double
Maximum Hook Load: 177,920daN (400,000#) - 10 lines
Racking Capacity: 3500m 114mm Drill Pipe
Manufactured to accommodate Top Drive

OVERHEAD EQUIPMENT

Crown: 5 X 36" cluster, 1 X 36" fastline X 1 1/8" Drill Line
Traveling Block/Hook Rated 200 Ton (minimum) 177,920daN
Swivel: 200 Ton (177,920daN)
Bails: 250 Ton (2 ¼" X 96")

MUD PUMPS (x2)

Two (2) 1200Hp Pumps (Workforce 1200 Triplex)
Maximum Rating 1200Hp @ 130spm (Stoneham max. 120spm)
Ea. powered by: 3508 Caterpillar (Rated 900bhp @ 1200rpm)
c/w 165, 152, 140, 127mm Liners (7" x 11" Stroke)

MUD TANK #1 (w/ Hydraulic Actuated Roof)

Gross Volume 84m³ (Active 73.3m³)
(x2) Shakers: Derrick FLC 2000
(x2) Agitators: 20Hp
(x2) Mission Mag Centrifugal Pumps 5" X 6"
Mission Mag Centrifugal Pump 5" X 6" Precharge Pump
Mixer c/w "Chemical Shearer"



MUD TANK #2 (w/ Hydraulic Actuated Roof & Invert Vacuum System)

Gross Volume 74m³ (Active 68m³)
(x2) Agitators: 20Hp
Mission Mag Centrifugal Pump 5" X 6"
Conventional Mixer
125 Gallon Invert Vacuum System

BLOWOUT PREVENTION EQUIPMENT (NACE)

DEGASSER TANK (Degasser Tank/Pipe Tub #1)

20m³ Degasser Tank Mounted on Pipe Tub #1 (c/w Hydraulic Raising System)
(x2) Poorboy Degasser's 36" – 3/8" Wall
(x2) 4" Inlets (full 3" I.D.) and (x2) 8" Outlets

ACCUMULATOR

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

B.O.P.'s

279mm x 35,000kPa Annular; T-3 Model 7082
(x3) 279mm x 35,000kPa Single Gates; T-3 Model 6012

MANIFOLD (NACE)

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

FLARE TANK

Integrated 8m³ c/w 2 x 4" Inlet Lines, Dual Stacks and Remote Ignitor

GEN SETS

Caterpillar C-16 with Marathon 440kw (480 Volt)
Caterpillar C-16 with Marathon 440kw (480 Volt)

MISCELLANEOUS

(x7) Hydraulic Pipe Tubs (Tub #1 c/w Degasser Tank)
Capacity 64jts 114mm Range II Drill Pipe ea.
Kelly Spinner
Pipe Spinner
Hydraulically Operated Catwalk (c/w Remote Control)

TUBULARS

(2jts) 203mm x 6 5/8" Reg Drill Collars
(22jts) 165mm x 4 1/2" XH Drill Collars x 2 1/4" ID
(360jts) 114mm x 4 1/2" XH TSS-95 Drill Pipe (75jts 20lb/ & 285jts 16.6lb/)
(10jts) 114mm HWDP
4 1/4" Square Kelly

**STONEHAM DRILLING INC.
RIG 20 – TUBULAR INVENTORY**

- 1) 3500m (360jts) Range II 4 ½” TSS-95 Drill Pipe c/w Internal Coating and Hardbanding (285jts 16.6#/, 75jts 20#/)
- 2) (x22) Lengths Range II Drill Collars 6 ½” O.D. 2 ¼” I.D. Slick w/ slip Recess 4 ½” XH Connection Bore Back Stress Relieved, 10” Pin hardfacing and 4” box hardfacing
- 3) (x2) Lengths Range II Drill Collars 8” O.D. Slick w/slip Recess 6 5/8” Reg Connection Bore Back and Stress Relieved 10” Pin Hardfacing and 4” Box Hardfacing
- 4) 10jts 4 ½” HWDP w/ XH Connections
- 5) (x1) 40ft Square Kelly 37’ drive area, 6 5/8” Reg L.H. 4 ½” XH (right hand)
- 6) (x11) Pick up Subs 4 ½” XH cut for 4 ½” and 4” – 18 deg Elevators
- 7) (x2) Pick up Subs 6 5/8” Reg cut for 4 ½” and 4” – 18 deg Elevators
- 8) (x1) Bit Sub OAL 36”, 8” O.D. 6 5/8” Reg Box X 6 5/8” Reg Box 6R Float Cut (need 1 – 6R float and also 1 6R Totco Ring)
- 9) (x2) Bit Subs OAL 36”, 6 ½” O.D. 4 ½” Reg Box X 4 ½” XH Box 4R Float Cut (need 2 – 4R floats and also 2 – 4R Totco Rings)
- 10) (x1) X/O Bell Sub 36” OAL, 6 5/8” Reg Pin X 4 ½” XH Box
- 11) (x3) Lower Kelly Cocks (one designated stabbing valve) 4 ½” XH
- 12) (x1) Upper Kelly Cocks 6 5/8” Reg L.H.
- 13) (x2) Saver Subs 4 ½” XH Pin X 4 ½” XH Box
- 14) (x2) 4 ½” XH Pick up Nubbins (Pin)
- 15) (x2) 4 ½” XH Pick up Nubbins (Box)
- 16) (x2) 6 5/8” Reg Pick up Nubbins (Pin)
- 17) (x2) Test Plugs 4 ½” XH
- 18) (x1) Circulating Nubbin 4 ½” XH X 2” NPT w/ 2” Fig 602 hammer union (1 - double swivel chicksan to go with the circ nubbin)

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:
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