



STONEHAM
DRILLING INC.

RIG 16 – 5500m JACKKNIFE TRIPLE

Rated Capacity 5500m w/ 127mm (5") Drill Pipe (CRITICAL SOUR) AC Drive

CONSTRUCTION COMPLETED: October 2007

DRAWWORKS

TSM 1500 (1500Hp) c/w 3 X 36" Eaton Brake
Powered By: 1500Hp AC Drive Traction Motor (OEM) set at 1200Hp
Rotary Table: 27 1/2" Max RPM 210 (Independent Drive w/ 400Hp Traction Motor)
Hydraulic Catline and Boom Line Winches
Hydraulic Catheads (Cobraheads) F/ make up and break out

SUBSTRUCTURE

National "Sling Shot"
Maximum Setback Capacity: 400,000#
Clear Height: 20' (floor height 26') c/w Integrated Jacking Plates

DERRICK

National Cantilever Mast (142' Clear Working Height)
Maximum Hook Load: 650,000# - 10 lines
Racking Capacity: 5500m 127mm Drill Pipe (Manufactured to accommodate top drive)

OVERHEAD EQUIPMENT

Crown: 5 X 60" cluster, 1 X 60" fastline X 1 1/4" Drill Line
Traveling Block/Hook: McKissick/BJ Unimatic 6350 Rated 311,360daN (350ton)
Swivel: P-400 Rated 355,840daN (400ton)

POWER CATWALK

Hydraulic Elevating c/w Remote Control

MUD PUMPS

(x2) Gardner Denver PZ-11 Triplex
Maximum Rating 1600Hp @ 115spm (Stoneham Max 110)
Powered By: 1500Hp AC Drive Traction Motor
(c/w 140, 152, 165mm Liners)

MUD TANK #1

Gross Volume 84m3 (Active 73.3m3) c/w hydraulically actuated
(x2) Shakers: Derrick FLC 2000 steel roof system
(x2) Agitators 20Hp
(x2) Mission Mag Centrifugal Pumps 5" X 6"
Mission Mag Centrifugal Pump 6" X 8" (Precharge Pump)
Mixer "Chemical Shearer"

MUD TANK #2

Gross Volume: 74m3 (Active 68m3) c/w hydraulically actuated
Mission Mag Centrifugal Pump 5" x 6" steel roof system
Conventional Mixer: (x2) 20Hp Agitators
125 Gallon Invert Vacuum System



BLOWOUT PREVENTION EQUIPMENT (NACE)

Separate 20 cubic metre degasser tank mounted on pipe tube #1 (Hydraulically actuated)
(x2) Poorboy Degasser's 36" - 3/8" Wall
4" Inlets (full 3" I.D.) and (x2) 8" Outlets

ACCUMULATOR

Koomey Style: 7-Function 2-Station 680 Liter (180-Gallon) BOP Control System Operating
(x2) BX-10 triplex pumps c/w 25Hp Press 21,000kpa
(x2) 340 Liter (90 US) Gallon Manifolds each with 6 - 56.6 Liter (15-US Gallon) precharge bottles
Nitrogen Backup: (x5) 58 Liter 15MPA nitrogen cylinders (plus one spare)
Reservoir Tank: 1040 Liter (275-US Gallon)
(x6) 1" 3000# BOP control valves with hydraulic actuators and manual override
(x1) 6000# BOP control valve c/w hydraulic actuator, manual override, manifold isolation & high pressure N2 tie-in. For operation of Shear Ram (Designated Nitro Shear)

B.O.P.'s (NACE)

346mm x 34,000kPa Hydril Gk Annular (13 5/8" 5000#)
346mm x 34,000kPa Single Gate (x2) & 346mm x 34,000kPa Double Gate Hydril
Automated BOP Handling System

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)

GEN SETS

(x2) Caterpillar 3512B w/ Kato 1101ekw Genset
Caterpillar 3412 w/ Kato 750ekw Genset

VFD BUILDING/ROOM (Variable Frequency Drive)

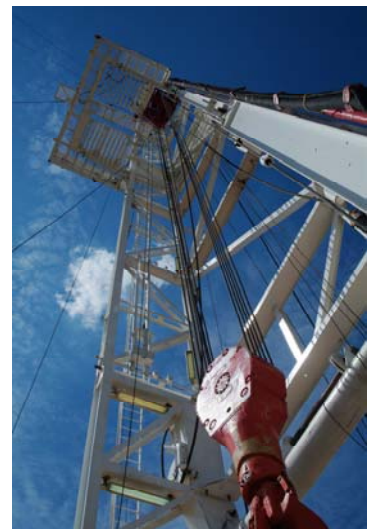
OEM VFD System

MISCELLANEOUS

(x7) Hydraulic pipe tubs
Capacity 40jts 127mm Range III Drill Pipe ea.
Kelly & Pipe Spinners

TUBULARS

(2jts) 203mm x 6 5/8 Reg **Range III** Drill Collars
(18jts) 165mm x 4 1/2 XH Spiral **Range III** Drill Collars
(8jts) 127mm x 4 1/2 IF **Range III** HWDP
(330jts) 127mm x 4 1/2 IF TSS-95 **Range III** Drill Pipe
6" Hex Kelly c/w HDP Drive Bushings



STONEHAM DRILLING INC. RIG 16 – TUBULAR INVENTORY

- 1) 4500 Metres (330 Joints) Range III 5" TSS-95 Drill Pipe 4 ½" IF 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. Spiral w/ Slip Recess 4 ½" XH Connection Bore Back Stress Relieved, 10" Pin hardfacing and 4" box hardfacing
- 3) (8jts) Range III 5" HWDP w/ 4 ½" IF connection
- 4) (x2) Lengths Range III Drill Collars 8" O.D. 3" I.D. Slick w/ Slip Recess 6 5/8" Reg Connection Bore Back and Stress Relieved 10" pin hardfacing and 4" box hardfacing
- 5) (x1) 6" Hex, 54ft Square Kelly 51ft drive area, 6 5/8" Reg L.H. 4 ½" IF pin
- 6) (x1) Quill Sub 6 5/8" Reg LH Pin X (5 ½" Reg LH for P-400 Swivel "check swivel and verify")
- 7) (x11) Pick up Subs 4 ½" XH cut for 5" and 4 ½ " 18 deg Elevators
- 8) (x2) Pick up Subs 6 5/8" Reg Cut for 5" and 4 ½ " 18 deg Elevators
- 9) (x1) Bit Sub OAL 36" 8" O.D. 6 5/8" Reg Box 6R Float Cut
- 10) (x2) Bit Subs OAL 36" 6 ½" O.D. 4 ½ " Reg Box X 4 ½" XH Box 4R Float Cut
- 11) (x1) X/O Bel Sub 36" OAL, 6 5/8" Reg Pin X 4 ½" XH Box
- 12) (x3) Lower Kelly Cocks (one designated stabbing valve) 4 ½" XH
- 13) (x1) Inside BOP c/w Top Cap 4 ½" IF
- 14) (x2) X/O Subs 4 ½" XH Pin X 4 ½" IF Box OAL 36"
- 15) (x1) X/O Sub 4 ½" XH Pin X 4 ½" IF Box OAL 8"
- 16) (x2) X/O Subs 4 ½" IF Pin X 4 ½" XH Box OAL 36"
- 17) (x1) Upper Kelly Cock 6 5/8" Reg L.H
- 18) (x2) Saver Subs 4 ½" IF Pin X 4 ½" IF Box
- 19) Pick Up Nubbins: (x2) 4 ½" IF (Pin); (x1) 4 ½" IF (Box); (x1) 6 5/8" Reg (Pin)
- 20) (x2) Test Plugs 4 ½" IF
- 21) (x1) Circulating Nubbin 4 ½" IF X 2" NPT with 2" Fig 602 Hammer Union
- 22) (x1) 4 ½" IF Box x 1" NPT Collar for Blowing Kelly

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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