

Depth Capacity

30,000 ft

Drawworks

Manufacturer: National Oilwell
 Model: E3000
 Rated Input: 3,000 hp
 Input Power: 3 ea. GE 752 Series DC traction motors; 1000 HP @ 980 RPM; 750 Volts AC 750, Amp rating 1050 Amps.
 Auxiliary Brake: Baylor Elmago 7838

Mast

Manufacturer: DSI
 Model: M-159
 Height: 155 ft.
 Rated Capacity 1,300,000 lbs.
 Racking Capacity: 20,000' of 5" drill pipe or 15,000' of 5-1/2" drill pipe simultaneous with 700 ft of 9-1/2" DC

Crown Block

Manufacturer: DSI
 Main Cluster: 7 x 60" O.D.
 Fast Line: 1 x 72"
 Line Size: 1-5/8"
 Safety Device: Crown-o-matic

Traveling Equipment

Top Drive:

Manufacturer: Varco TDS-4S
 Load Rating: 750 ton; 7500 psi WP
 Motor: GE 752 High Torque DC electric motor series-type; Output power 1,250-hp, output torque 32,500ft/lbs continuous; 37,200-ft/lbs Intermittent; rpm 190 High gear; 50,900 ft/lbs continuous: 58,200ft/lbs, intermittent; rpm 120 Low gear. 3" ID Washpipe.
 Dueblin Mechanical Seal type system.
 Pumps: 2 ea. Hydraulic pumps
 PH-85 Pipe Handler up to 85,000 ft/lbs M/U & B/O torque
 Bentec Mark II soft torque unit
Traveling Block: Continental Emsco 750-ton

Mud Pumps

Three (3) ea. National Oilwell 1700-PT
 Each pump driven by two (2) each GE 752 series DC traction motor, each rated @ 1000-HP
 C/w suction dampener, 2 ea Mattco Model A7520 pulsation dampener and one (1) NOV Type RX, reset pressure relief valve
 Liner Size Available: as required

Pipe Crane

1 ea. Nautilus Crane, Model No. DT 50-50, Dynamic Rating: @ 15.2-m Radius 2.2-MT SWL; 13.4-m 3.2-MT; 8.2-m 6.0 MT; and 3-m 10.3-MT.

Rotary Equipment

Rotary Table: National Oilwell D-375, 37-1/2"
 Drive: 1 ea. G.E. 752 DC traction motor, 1000 hp
 Static Load Rating: 650 ton
Swivel: National Oilwell, rated @ 500-ton



Substructure

Make: Custom Built
 Floor Height: 39'
 Seabed to Rotary Beams: 34'
 Setback Load: 620,000 lbs

Power Generation

3 ea. EMD engine, Model No. MD 16-645-E8, rated @ 1,950-BHP/1,400-KW continuous, and 2,200-BHP/1,575-KW intermittent, each engine c/w one (1) EMD primary AC generator, 2,625-KVA, 600-volts, 1,950-HP @ 900-rpm with 10% overload rating for two (2) hours.
 1 ea. Cat generator set, engine Model No. D-399. Driver rated @ 1,250-BHP @ 1,200-rpm, w/1 ea. Kato AC generator rated @ 1,500-KVA at 1,200-rpm, 600-volts.
 1 ea. Cat 3516 rated @ 1,814 hp @ 1,200 rpm continuous, w/1 ea. KATO 600 volt, 2142,9 KVA generator

Power Distribution

1 ea. Ross Hill, Model No. 1600, 5-SCR, maximum continuous power 5 x 2,000-Amp, output volts 600-volts
 8 ea. GE 480-volt motor control centers
 2 ea. Transfomers, rated @ 1,500-KVA, 600 to 480-volts.
 1 ea. Transformer, rated @ 1,000-KVA, 600 to 480-volt

Deck Cranes

2 ea. SeaTrax Monarch, Series 60 6020 King post Marine Cranes, comply with API Specification 2C Fifth Edition April 3, 1995.
 Crane booms 36.5-m with 2.1-m extensions.
 Each crane is powered by a Caterpillar 3406-C diesel rated @ 373 kW (500HP) @ 2,100-rpm.
 Rated Capacity: Main 50 MT @ 7.6m; 7.9 MT @ 38.1; Aux. 12.8 MT @ 7.6 m

Blowout Prevention Equipment

Diverter:

1 ea. Hydril 29-1/2" annular preventer, Model MSP, 500-psi working pressure, c/w 16" lines.

Surface stack:

1 ea. 21 1/4" Hydril 2M MSP annular
2 ea. Cameron U 20-3/4" - 3M single ram type preventers

Main Stack:

1 ea. Hydril GK 13-5/8" - 1OM annular preventer
1 ea. Cameron, U 13-5/8" 15M double unit
2 ea. Cameron, U 13-5/8" 15M single unit

Accumulator Unit

Shaffer, Model . T40480-3S

Stations: 7 each

Thirty two (32) each, fifteen gallon bladder type separator accumulator

One (1) each, Model No. T 360-40-3, triplex pump, 20.2-gpm @ 3,000-psi.

2 each air pumps

32 each bottles

Fluid Reservoir: 620 gal.

500', fiber-optic remote control cable.

Tubulars

100 jts - 3-1/2" Drill Pipe, 13.30 #, Grade G-105, 5" OD tool joint, NC-38 connections, 2- 9/16" ID, IEU upset, Range 2, TK-34 int. coating, Armacor-M hard banding.

150 jts 3-1/2" Drill Pipe, 15.50 #, Grade G-105, 5" OD tool joint, NC-38 connections, 2-1/8" ID, IEU upset, Range 2, TK-34 internal coating, Armacor-M hard banding

350 jts - 5" Drill Pipe, 19.50 #, Grade TSS-95, H2S service, 6-5/8" OD tool joint, NC-50 connections, 3-1/2" ID, IEU upset, Range 2, TK-34 internal coating, Armacor-M hard banding

318 jts - 5" Drill Pipe, 25.60 #, Grade TSS-95, 6-5/8" OD tool joint, NC-50 connections, 3" ID, IEU upset, Range 2, TK-34 internal coating, Armacor-M hard banding

418 jts - 5 1/2" Drill pipe, 21.90 #, grade G-105, 7 1/4" OD tool joint, 5 1/2" FH connections, 3 1/2" ID, IEU upset, range 2, TK 34 internal coating, Armacor-M hard banding

103 jts - 5 1/2" Drill pipe, 24.70 #, grade G-105, 7 1/4" OD tool joint, 5 1/2" FH connections, 3 1/2" ID, IEU upset, range 2, TK 34 internal coating, Armacor-M hard banding

Drill Collars and HWDP's as per rig specification.

Mud Handling/Solids Control

Mud Tanks: 3 active, 1,125 bbls capacity; 5 reserve, 2,037 bbls Derrick Hi-G dryer: w/3 x 10" desander cones & 1 ea. 20 x 4" desilter cones.

Shale Shaker: 4 x Derrick Floline, Model 514, c/w 4 screen panels, dual SG2X motors, and a hydraulic-operated Adjustable While Drilling. c/w shallow header box fitted to allow for equal mud distribution over each shaker, one fume extraction hood over each shaker, spray line capable of using water, brine or base oil washing fluid

Centrifuges - optional

Degasser: Swaco Vacuum Toga degasser & mud/gas separator system, 1,500-gpm @ 125-psi working pressure.

Agitators: 16 ea. Brandt model

Barge Hull & Ballasting System

2 ea. Crown Ballast Pumps, with 8" x 8" x 13-1/4" impeller capable of pumping 2,400-gpm. @ 33-psi, ea. driven by 1 ea. 100 hp AC electric motors.

2 ea. Flygt submersible pumps, 250-mm x 102-mm x 261-mm impeller, located in header tank and rated @ 2,800-gpm. With 12' head.

4 ea. Portable KSB Submersible Pumps Type Arna-DRAINER 80-40 N with capability of approx. 80 m3/hr (500 bbls/hr)

6 ea. Portable KSB Submersible Pumps Arna-DRAINER Type with capability of approx. 100 m3/hr (630 bbls/hr)

Living Quarters

96-man living quarters c/w recreation rooms, 64-seat dining hall, galley, cold and dry storage facilities. First level Galley used as Temporary Safe Refuge and primary muster point MP1 complete with air cascade system in case of Emergency. Non smoking recreation room serving as ECC, complete with communications. And remote BOP control panel for emergency use. Smoking recreation serving as MP2 complete with cascade system.

H2S and F&G Protection

Rig is equipped with fixed H2S, combustible and CO2 gas detection systems; portable H2S and multi-gas detectors. Carbon Dioxide F-200 and foam AFFF fire suppression systems; 2 ea. Akron Ozzie, AFFF foam generators; oscillating fire monitors; fire fighting suits, fire hose stations and portable fire extinguishers as per rig specifications.

8 ea. Elliot 25-man inflatable life rafts and 225 ea life jackets; 208-SCBA 22-min & 45-min capacity.

Capability to operate in 30% H2S environment drilling conditions

0 - Discharge into Sea: Tank Capacities

Sanitary Water Holding Tanks - 778 m3 Environmental Fluid

Holding Tank - 502 m3 Drill Water Tanks - 1190 m3

Potable Water Tanks - 498 m3 Brine Tank - 241 m3

Fuel Tanks - 1340 m3 Base Oil Tank - 380 m3

Note: Other BOP equipment available from stock



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