

**QG-II**



#### DESCRIPTION

Conventional rig type, drilling depth capacity 16,500 ft.

#### MAST

142 ft. x 25 ft. Base - Skytop Brewster, Self Raising Cantilever  
Hook load 1,000,000 lb with 1 3/8" 12 lines

#### CROWN BLOCK

Skytop Brewster 585 ton with 7 x 60" sheaves

#### SUBSTRUCTURE

25 ft. High Self raising with capacity of 1,000,000 lb  
Hook load simultaneous with 600,000 lb Set Back

#### DRAWWORKS

Skytop Brewster NE-95A 1600 HP, 375 ton, 8 speed hoisting capacity

- Lebus Grooved for 1 3/8" drill line
- Auxiliary Brake Electromagnetic Elmago 6032"

#### MAIN ENGINES

5 Caterpillar D-398 TA, 1000 HP, 1800 RPM, V12

#### MUD PUMPS

3 Triplex 1300 HP Skytop Brewster 1300 T, 7"x 12" Stroke

#### SHALE SHAKER

02 Derrick Flow Line Cleaner, Modelo FLC 503

#### DEGASSER

Derrick Vaco - Fow 1200 Degaser

#### DESANDER

Coupled With Mud Cleaner 503 Model

#### AIR WINCHES

2 Ingersoll Rand K6U, 10000 lb on Rig Floor  
1 Ingersoll Rand D6U, 1500 lb on Racking Board  
1 Ingersoll Rand MP150, 300 lb as Main Rider  
1 Ingersoll Rand BU7A, 1000 lb on Casing Racking Board

#### MUD CLEANER

Derrick FLC-503 with 03 Cones Desander and 16 Cones for Dessilter

#### MUD SYSTEM

4 Mud Tanks, Active circulating 1364 bbls; with graduate scale, steel covering and individual outlets for cleaning

#### GENERATOR SETS

4 KATO 1,000 KVA + 1 Brown Boveri 1,000 totaling 5,000 KVA  
1 Electric SCR- Integrated Power Systems - IPS,  
Model 2.200, 600 VAC, 3 phase, 60 hertz

#### ROTARY TABLE

Skytop Brewster RBS-275  
27 1/2" opening, 500 ton capacity

#### SWIVEL

National P-500

#### TRAVELING BLOCK AND HOOK

Skytop Brewster - TB 406, 400 ton

#### BLOWOUT PREVENTERS

Cameron Type U Double ram preventer 13 5/8" x 10,000 psi  
Cameron Type U Single ram preventer 13 5/8" x 10,000 psi  
Cameron Type D Annular preventer 13 5/8" x 5,000 psi

#### ACCUMULATOR

Koomey Type 80, 280 gls, 18 bottles

#### CHOKE MANIFOLD

Doyle's Valves ; 3 1/16" x 10,000 psi, with 2 manual adjustable choke. 1 Hydraulic adjustable choke, Choke control panel complete with pump stroke counters and 75 ft. hose

#### HCR

Widraulic MCM Oil Tools FC 3 1/16" x 10,000 psi

#### WIRELINE UNIT

Mathey Manufacturing Co. Slick line 16,000 ft. of 0.92"

#### AIR COMPRESSOR

2 Ingersoll Rand 116 CFM  
1 Mecanic compressor SCHULZ, Model: MSW60 F

#### INSTRUMENTATION

Weight Indicator - MD Totco Model 75  
Mud Monitoring System Inovative Eletronics 89EA9.000, include Pit Volume Totalizer, Pits Volume indicators with complete alarm system, 3 Ultrasonic Tank Level Measurement, Return Flow gain/loss Drilling Recorder Totco Six Pen, Model DR6 RPM electric counter MD Totco 0-300 SPM electric counter MD Totco 0-200 Pump Pressure Gauges MD Totco 0-5000psi Conection Torque Indicators Totco 0-25000 Rotary Torque Indicator Totco 0-6000 Totco Recorders Go-Devil 0-8 and 0-16 degrees TV system on Monkey \Board Mud flow sensor installed in flow line H2S and CH4 detector

#### DRILL PIPES

Drill Pipe 5" S-135  
Drill Pipe 5" G-105  
Drill Pipes Pup Joint, 5 ft., 10 ft., 15 ft., 20 ft.

#### HEAVY WEIGHT

HW's 5"x 30 ft.

#### DRILL COLLARS

Drill Collars 6 1/2", 8", 9 1/2" and Short Drill Collars

#### KELLY DRIVE AND BUSHING

Drilco 5-1/4" x 40 ft. Hexagonal, Kelly Bushing Den-Com Model 27RPH, 5 1/4"

#### KELLY SPINNER

International Tool Co Inc

#### HYDRAULIC TONGS

Eckel - 8-5/8 Hydra-Shift HT - Tubing/ Casing Tong

#### MUD LABORATORY

Baroid 821-01

#### TOP DRIVE SYSTEM

National Oilwell Varco, Model TDS 11-SA - 800 HP  
Hoisting Capacity: 500 ton

#### EZYTORQUE

Drilco Model "D" Cylinder Assembly, torque 150,000 lb-ft.

#### CAMP

The camp houses are equipped to accommodate up to 60 people, full air conditioned, with: office room, recreation room, clinic room, team communication room (computer/ telephone), chemical laboratory with sleeping room, bathroom, showers room, laundry room, kitchen room, bakery, pantry room, freezer store container, refectory, food storage container, dressing room, tool pusher sleeping room with office and bathroom, company man sleeping room with office and bathroom, 5 sleeping room with bathroom, 4 sleeping room without bathroom. Laundry with washer machine, dry machine, and centrifugal Recreation room with TV set and DVD player 2 camp generator Toshiba, 135 KVA-60 Hz water treatment unit Enasa Brasil FN594/02, 2 m<sup>3</sup>/h. 3 Water drinkable tank - Total: 15 m<sup>3</sup> 2 Auxiliar AC Generator usable on Rig Movies, Olympiam, Model GP 150, 135 KVA, 220V, 60 Hz, driven by diesel Perkins Motors Triphasic transformer Unit 100 KVA, 600/220/127V - 60 Hz

#### INDUSTRIAL SAFETY AND POLLUTION CONTROL

2 H2S Pulsar Plus  
H2S Sensibility Dragger, 10ppm alarm sensors,  
Flow line sensor on Shale Shakers and Rig Floor  
XAM 2000 EX - H2S  
Complete set of extinguishers  
Fire water Pump

#### WATER PUMP

Whorringtom, Duplex, 4"x 8"

#### STORAGE TANK

2 x 30 m<sup>3</sup> Industrial Water Tank  
2 x 30 m<sup>3</sup> Fuel Tank

#### CASING TOOLS

Casing Hydraulic Power Tong Weatherford Lamb Model 16000  
2 Spider BJ 350 ton pneumatic complete w/slips 13 3/8", 9 5/8", 5 1/2" and 7"  
Casing Side Door Elevators BJ 20" to 7" Type SLX 150 ton  
Casing Auxiliar Pick up Elevators BJ 20" to 7" Type SJ  
Manual Slips 20" to 7"

#### RIG FLOOR TOOLS

Rotary Tongs Wooley type "A", Drill Pipes Elevators 5" BJ, GG, DP Slips 5" Varco SDML, SDXL, Spring Slip Varco Model PS-15, DC Slips DSC-R, DCS-L, Safety Clamps Varco MP-R and Joy C-R

#### FACILITIES

Mechanical Workshop, Electrical Workshop, Weld Workshop