

**QG-1**



#### DESCRIPTION

Conventional rig type, drilling depth capacity 16,500 ft. (5,000 m)

#### 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-95 1600 HP, 375 ton, 8 speed hoisting capacity

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

#### MAIN ENGINES

4 Caterpillar 3512C, 1101 HP, 1200 RPM, V12

#### MUD PUMPS

2 Triplex 1300 HP National 10P-130 6 3/4" x 10" - 140 Strokes  
1 Triplex 1300 HP Skytop Brewster 1300 T, 7"x12" - 140 Strokes

#### MUD CLEANER

Three-in-one MI Swaco Mud Cleaner  
Mongoose Pro Shale Shaker  
2-12 1000GPM MI Swaco Desander  
900GPM MI Swaco GT4 D-Silter

#### DEGASSER

MI Swaco Vacuum Degasser

#### AIR WINCHES

1 Ingersoll Rand FA5A-LMK1G, 1,000 lbs on Rig Floor  
1 Ingersoll Rand K6U, 10,000 lbs on Rig Floor  
1 Ingersoll Rand BU7APTBP, 1,000 lbs on Rig Floor  
1 Ingersoll Rand BU7A, 1,000 lbs on Casing Racking Board  
1 Ingersoll Rand FA150-KG, 300 lbs on Rig Floor

#### MUD SYSTEM

3 Mud Tanks, total stock capacity 1025 bbl, with graduate scale, steel covering and individual outlets for cleaning  
1 Closed 600 bbl Storage Fluid Tank

#### GENERATOR SETS

4 KATO 1,000 KVA totaling 4,000 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

1 Honghua YC450, 500 ton

#### BLOWOUT PREVENTERS

1 Shenkai FH35-35/70 Schaffer Style Annular , BOP, 13.5/8" x 5,000 psi  
1 Shenkai 2FZ35-70 Type U Double Ram Preventer, 13.5/8" X 10,000 psi  
1 Shenkai FZ35-70 Type U Single Ram Preventer, 13.5/8" X 10,000 psi

#### ACCUMULATOR

Shenkai FKQ1280-8, 356 GLS, 16 bottles

#### CHOKE MANIFOLD

Shenkai - 4 1/16" x 10,000 psi WP. with 2 Manual Adjustable Chokes and 1 Hydraulic Adjustable Choke with Control Panel Shenkai Type III

#### HCR

Shenkai Cameron Style Type FC 10,000 psi

#### WIRESLINE UNIT

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

#### AIR COMPRESSOR

1 Ingersoll Rand - HF-50-PE, 212 CFM  
2 Ingersoll Rand - Model SSR - HXP40SE, 134/116 CFM  
1 Schultz Mechanic Compressor - Model MDW60F

#### INSTRUMENTATION

Weight Indicator - MD Totco Varco Company, TYPE E, B168B-810  
Mud Monitoring System SGO by QGOG including:  
- Siemens The Probe Ultrasonic Transmitters For Level Measurement  
- Return Flow Control with Over/Underflow Alarm  
- Rotary Torque and Connection Torque Indicators  
- RPM and SPM Sensors Indicated in IHM Screen  
- TV System on Monkey Board and Crown Block  
- NOV 6000 psi Flanged Pump Pressure Gauges  
- Digital Drilling Recorder by QGOG  
- Totco Recorders GO-Devil 0-8 and 0-16 degrees

#### DRILL PIPES

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

SHAWK JAW 65K-2GJR Hydraulic Spinner/Tong 3.1/2-8IN TOOL JOINT

#### MUD LABORATORY

Baroid 821-01

#### TOP DRIVE SYSTEM

National Oilwell Varco, Model TDS 11-SA - 800HP, 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, chemical laboratory room, laundry room, kitchen room, bakery, pantry room, freezer store container, refectory, food storage container, dressingroom, 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 2 camp generator Toshiba, 135 KVA-60 Hz water treatment unit Enasa Brasil FN594/02, 2 m³/h 3 Water drinkable tank - Total: 15 m³

#### INDUSTRIAL SAFETY AND POLLUTION CONTROL

H2S Detection System BW Technologies, Model Gas Alert Max  
H2S Sensibility Dragger, 10 ppm alarm with 3 sensors  
Flow line, Shale Shakers and Rig Floor  
Complete set of extinguishers  
Fire water Pump, Vertical Burner gas unit

#### WATER PUMP

Whorrington, Duplex, 4"x 8"

#### STORAGE TANKS

2 X 30M³ Industrial Water Tank  
2 X 30M³ Fuel Tank  
1 X 11M³ 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 Auxiliary 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.