

QG-V



DESCRIPTION

Helicopter rig type, 2700 kg loads, drilling depth capacity 14,800 ft. moving 93% parts under weight, 2500 kg and 7% moving parts under weight of 2700 Kg

MAST

Available height: 44.5 m (146')
Static hook load capacity: 3150 kN (700.000 lbs)

CROWN BLOCK

Max. Static Load: 3150 kN (700.000 lbs)
No. of sheaves: 1 x 60" and 6 x 50"

SUBSTRUCTURE

Max. Capacity of R/Table beam: 3150 kN (700.000 lbs)
Setback load: 1800 kN (400.000 lbs)

DRAWWORKS

Rated Horse Power: 1640 HP (1200 Kw)
Grooving: Grooved for 1-1/4" drill line.

GENSETS

8 Caterpillar C15, 455.2 KW (568 kVA) each, 60 Hz, 480 V

MUD PUMPS

Qty: 3 sets
Rongsheng RSF 800 – 800 HP
Type: triplex single-acting piston type
Maximum liner Dia. x stroke: 6 1/2" x 9"
Rated strokes: 120 spm
Max strokes: 150 spm
Nominal power ratings (each) 800 HP

SHALE SHAKER

Qty: 3 sets,
Model: Derrick FLC 503

MUD CLEANER

Derrick FLC 503, with 2 x 10" dessander hydrocyclones with 16 x 4" dessilter hydrocyclones

DEGASSER

Vacu-Flo 1200
Treatment capacity: 1200 gpm
Power of vacuum pump/speed: 3 kW, 876 rpm
Qty: 1set
Poor boy degasser
Qty: 1set

AIR WINCHES

Ingersoll-Rand, 5 ton

DRILLING INSTRUMENTATION / EQUIPMENT SUPPLY

Sensors:
1xWeight load sensor
1xDepth sensor
3xPump SPM sensor
1xPump RPM sensor
1xPump pressure sensor
1xMud return flow sensor
1xRotary torque sensor (Electrical)
1xTong torque sensor

8+1xUltra-sonic probe
Display System at driller's console.
TFT LCD with touching screen to display electronics for all functions parameters.

MUD SYSTEM

11 Mud Tanks and 1 Trip Tank, total stock capacity 1100 Bbl, with graduate scale, steel covering and individual outlets for cleaning
- 2 Mud Mixers with centrifuge
- 8 Mud Agitators
- 1 Trip Tank 50 bbl, with centrifuge.

ROTARY TABLE

Max. Opening: 698.5 mm (27 1/2")
Max. Static Load: 4500 KN (460 ton)

SWIVEL

Max. Static capacity: 3500kN
National P-400

TRAVELING BLOCK AND HOOK

Max. Load: (6 x 7 line): 3200kN

ACCUMULATOR

Manufacturer: Guangdong Guangzhou Petroleum Machinery Factory
Model: FKQ1280-8
Accumulators Bottles: 80L
Installed: 24

WELL CONTROL EQUIPMENT

13 5/8" x 5000 psi, including
3 single ram BOPs, Cameron type
1 annular BOPs, Shaffer type
Full set of Kellycocks, IBOP, etc.

CHOKE MANIFOLD

Manufacturer: Chengde Kingdream Petroleum Machinery Co., Ltd.
Model: 4 1/16" x 5,000 psi
1 hydraulic and 2 manual choke vales

HCR

Manufacturer: Chengde Kingdream Petroleum Machinery Co., Ltd.
Model: JLFY103-70 (4 1/16 - 10,000 psi)

WIRELINE UNIT

Surveyor Style Wire Line Unit
20000' capacity of 0.092" wire installed

AIR COMPRESSOR

2.50 hp screw type compressors
Manufacturer: Ingersoll-Rand
Work pressure 1 MPa
Air production 5.6 m3/min

INSTRUMENTATION

Manufacturer: CHINA and NOV/MTD, USA
MODEL Refer to Manual for detailed.
Power Supply: 110V AC +20%, 60Hz +10%
Operating Environment: - 40 to 60 (equipment in open area)
Hook Load: 0-5000KN, 10/12 line strung
Rotary Table RPM: 0-300 RPM
Rotary Torque: 0-1000 AMPS

Tong Torque: 0-100 kN•M
Pump SPM: 0-200S PM
Pump Pressure: 0-40 MPa
Mud Return Flow: 0-100%
Depth of Hole: 0-9999.99 m
Level of Mud Pit: 0-5 m
System Accuracy: display = ±2.5%, record = ±1%

DRILL PIPES

Drill Pipe 5" 4000 mts
Drill Pipe 3 1/2" 3500 mts

HEAVY WEIGHT

5" OD = 50 jts.
3 1/2" OD = 50 jts.

DRILL COLLARS

Drill Collars Short 9 1/2" x 15 ft - 6 jts.
Drill Collars Long 8" - 21 jts.
Drill Collars Short 8" - 15 ft - 2 jts.
Drill Collars Long 6 1/2" - 30 jts.
Drill Collars Long 6 1/2" - 15 ft - 4 jts.
Drill Collars Long 4 3/4" - 21 jts.
Drill Collars Long 3 1/2" - 12 jts.

KELLY DRIVE AND BUSHING

Size: 5-1/4" & 3-1/2"
Length: 12.2 m

KELLY SPINNER

Swivel Manufacturer: NOV
Dynaplex 5350
Max. Static capacity: 3500 kN
Max. Speed: 300r/min

HYDRAULIC TONGS

Manufacturer: Hawkjaw Junior
Drill pipe range: 3-1/2"~8"
Max. torque: 65000 lb*ft
Head speed: 150 rpm
Hydraulic rated pressure: 16.6 MPa
Hydraulic rated flow: 114 L/min
Pneumatic working pressure: 0.5~1 MPa
Head traveling length: 1.5 m
Overall dimensions: 1700x1000x1400 mm

MUD LABORATORY

Airplane Kit
HPHT Filter Press
Plastic Measuring Cup
Mud Balance Model 140
Marsh Funnel, Viscometer
Digital PH Meter
Vliscosimeter
Capsule CO2 Super
Charges 10/BX
Thermometer

EZY TORQUE

Hydraulic cathead Manufacturer:
DEYANG TIANFA Model: YM-1611

CAMP

Client Supervisor: 1
Client Office: 1
Geologist: 1
QGOG Op. Supervisor: 1

Manager: 1
QGOG Maintenance Supervisor: 1
Lab: 1
Chemist: 1
Messroom, kitchen area and paint locker: 4
Bathrooms: 2
Laundry: 1
Infirmary: 1
Recreation: 1
Lodgings (QHSE, Client Contractors and QGOG teams): 10
QGOG Office: 1

INDUSTRIAL SAFETY AND POLLUTION CONTROL

Manufacturer: Detcon
4 H2S detect sensors
4 LEL (lowest explosion limit) sensors
Regard-8 multi-point control unit
Cables and accessories

CRANES

2 x Maeda LC1385, 5.9 ton
1 x D6 track tractor with National 648E Hydraulic Boom

WATER PUMP

2 x Duplex, Gardner Denver, FD-FXXB, diesel Powered (CAT C4.4)

STORAGE TANKS

40m³ Industrial Water
20m³ Drinkable Water
40m³ Fuel (Diesel)

CASING TOOLS

Full set of accessories for 5 1/2", 7", 7 5/8", 9 5/8", 13 3/8", 20"
1 Hydraulic Tong, Eckel, 14" UHT with full set of accessories

RIG FLOOR TOOLS

PS 15 automatic slips (3 1/2" and 5")
Full set of slips, lift subs, etc.

FACILITIES

7 warehouses (20' ISSO container, adapted)
1 warehouse office
3 workshops and 2 warehouses (heliportable, for rig site).

FISHING TOOLS

Full set of tools, including Overshots (5 3/4, 8 1/8 and 11"), fishing jars, bumpers, taper taps, junk baskets (reverse and regular), etc.

STABILIZERS AND ROLLER REAMERS

Quantity 1 Near Bit and 2 String, each