

Rig ZJ 30/1700 CZ

Truck Mounted Drilling/Workover Rig

General Description

Make Equipment Engineering Company
Estimated drilling depth rating 3,000 m with 4-1/2" DP
Camp capacity ±120 Person
Tentative rig & Camp loads ±80

Mast

Model JJ 180 (Telescoping Type II)
Height from ground level 141.08 ft (43 m)
Nominal gross load capacity 180 ton (1800 kN)
Rated hook-load capacity 180 ton (1800 kN)

Substructure

Model ZZT-180
Rig Floor Height from Ground Level 6 m (19.7 ft)
Clear height, rotary beam to ground 4.9 m (14.76 ft)
Working Area of Upper Platform 7.2 x 6 m (23.7 x 19.7 ft)
Rig floor Setback capacity 3000 m 4 1/2" DP, 6-3/4" & 4-3/4" DC 10 stands each

Drawworks

Model JC 28/11 R G Petro-Machinery (Group)
Input power 1050HP
Wire Rope Dia. 32mm (1-1/4")
Auxiliary brake WCB 324
Brake Torque 33,900 N m (25,086 lb-ft)

Swivel

Model SL225
Max. Net Load 2250 kN (225 t)
Max. Working Pressure 35 MPa (5000 psi)
ID of Stem 75 mm (3")
Designed & Manufactured According to SY/5210-91 & API Spec.8A.

Rotary Table

Model ZP275
Opening Diameter 27 1/2"
Rotary Speed 250 rpm

Engine

Engines 2 x C-15 (Water Cooled, Turbocharged) Caterpillar U.S.A
Generators 2 x SR 4, Caterpillar USA,
Output 292 kW (366 kVA), 380 V, 50 Hz, 0.8 PF

Well Control

Model FKQ400-5B Nominal
Working Pressure 21 MPa (3000 psi)
Max. Working Pressure 34.5 MPa (5000 psi)
Total Volume of Accumulator Unit 1600 liter
Air Pump 2 x QYB-50.60L
Triplex Pump 1 x QB-21.80
Choke manifold JGKY35F-103/65
Choke Manifold Rating 5000 psi
Kill manifold YGK35F-103/65

BOP

Make Rong Sheng Machinery Ltd. of Huabei
21-1/4" - 2k Annular BOP 1 unit
21-1/4" - 2k Single Ram BOP 1 unit
13-5/8" - 3k Diverter Spool 1 unit
13-5/8" - 5 k Annular BOP 1 unit each
13-5/8" - 5 k Single Ram BOP 1 unit each
13-5/8" - 5 k Double Ram BOP 1 unit each



Mud System

Mud pumps 2 x 3NB-1300
Engine CAT-3512 Diesel
Power rating 1300 HP
Type of Drive Mechanical
Max. Pressure 35.4 MPa (5000 psi)
Rated Pump Speed 120 SPM
Shale shakers 2 x CQ-1(FLC-2000)
Desander CQ-2 x 2 cones
Desilter CQ-2(L) x 10 cones
Vacuum Degaser ZKZQ-4A, 800gpm (Capacity)
Poor Boy degasser YQF-6000, 145 psi (Pressure)

Tubulars

Drill Collar

9" DC 3 Joints
8" DC 12 Joints
6-1/2" DC 15 Joints
4-3/4" DC 15 Joints

HWDP

5" HWDP 15 Joints
3 1/2" HWDP 15 Joints

Drill Pipe

5" DP 2500 m
3 1/2" DP 2500 m

Enhancements

Crane 20 Tons (Qty 01)-Rental
Forklift 10 Tons (Qty 01)-Rental
Ambulance Fully equipped ambulance
Man Riding Winch 200 Kg