

Rig ZJ 40/2250 DB

VFD-Drive Drilling Rig

General Description

Make Equipment Engineering Company
Estimated drilling depth rating 4, 000 m with 4-1/2" DP
Camp capacity ±150 Person
Tentative rig & Camp loads. ±110

Mast

Model JJ-225/43-KC2 (K-type Cantilever)
Height from ground level. 165.68 feet (50.5 m)
Rated hook-load capacity. 225 t (2250 kN)

Substructure

Model DZ 225/7.5-ZT
Rig Floor Height from Ground Level. 7.5 m (24.6 ft)
Clear height, rotary beam to ground. 6.3 m (20.6 ft)
Working Area of Upper Platform. 11.35 m x 9.6 m (37.2 x 31.5 ft)
Rig floor Setback capacity 3200 m 5" DP, 4000 m 4-1/2" DP,
120 m 10" DC, 180 m 8" DC (225 t)

Drawworks

Model JC 40DB Lebus Grooved, Water Jacket Cooled
Input power 1475 HP
Wire Rope Dia. 32 mm (1 1/4").
Auxiliary brake Power is Generated into Braking Resistor
Main Brake Hydraulic Disc Brake

Swivel

Model SL225
Max. Net Load 2250 kN (225 t) Max.
Working Pressure 35 MPa (5000 psi)
ID of Stem 75 mm (2.95")

Rotary Table

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

Engine

Engines 3 x CAT 3512B, Caterpillar USA
Generators 3 x SR 4B, Caterpillar USA
Output 1310 kW, 1756 HP

Well Control

Model FKQ800-7B Nominal Working
Total Volume of Accumulator Unit. 1600 liter
Air Pump. 2 x QYB-50.60L
Triplex Pump 1 x QB-21.80
Choke Manifold Rating. 5k / 10k psi each
Kill Manifold Rating. 5k / 10k psi each

BOP

Make Rong Sheng Mechninery Ltd. of Huabei
21-1/4" - 2k Diverter Spool 1 unit
21-1/4" - 2k Drilling Spool 1 unit
21-1/4" - 2k Annular BOP 1 unit
21-1/4" - 2k Single Ram BOP 1 unit
13-5/8" - 5 k Annular BOP. 1 unit each
13-5/8" - 5 k/10k Single Ram BOP 1 unit each
13-5/8" - 5 K/10k Double Ram BOP 1 unit each
13-5/8" - 5 K/10k Drilling Spool 1 unit each



Mud System

Mud pumps 3 x 3NB-1300
Engine. CAT3512 Diesel Engine
Power rating 1300 HP
Type of Drive. 2-Electric Motor Driven &
1-Mechanical Coupled with CAT
3512 Engine
Max. Pressure. 34.5 MPa (5000 psi)
Rated Pump Speed. 120 SPM
Shale shakers 3 x CQ-1(FLC-2000)
Desander CQ-2 x 2 cones
Desilter. CQ-2(L) x 10 cones
Vacuum Degaser. ZKZQ-4A, 1050 GPM (Capacity)
Poor Boy degasser YQF-8000, 215 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. 3500 m
3 1/2" DP. 3500 m

Enhancements

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

Dewan Drilling Limited

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