

Rig 11

DFXK PETROLEUM ZJ20

**Mast**

Type	DFXK Petroleum Hydraulic Double
Height	114 ft (35.36 m)
Hook Load	355,000 lbs (161 MT)

Substructure

Setback Capacity	355,000 (161 MT)
Max Combined Load	710,000 lbs (322 MT)
RKB Height	14.8 ft (4.5 m)
Clear Working Height	11.5 ft (3.5 m)

Draw Works / Hoisting System

Type	DFXK Petroleum JC21/11
Drilling Line Diameter	1 1/8 in (29 mm)
No of Lines	6
Brake Type (Primary)	Hydromatic
Brake Type (Auxiliary)	Eaton WCB224

Top Drive / Swivel

Type	DFXK Petroleum SL-160
Rated Capacity	359,000 lbs (163 MT)
Max Torque	See Rotary Table
Rotational Speed	See Rotary Table
Pressure Rating	5000 psi

Rotary Table

Type	DFXK Petroleum ZP205, 300 RPM
Opening	20 1/2 in (521 mm)
Max Torque	17,700 ft-lbs (24,000 Nm)

Make Up – Break Out Equipment / Iron Roughneck

Type	Manual Tongs HT65
Operating Diameter	3 1/2 in to 13 3/8 in
Max Torque	65,000 lbs (88,120 Nm)

Power Generation

Generator Sets	x2 CAT C3412, 400 kVA, 460V
Rig Engines	x1 CAT C18 DITA, 700 HP, silenced

BOP / Well Control

Annular	n/a
RAM (double)	n/a
RAM (single)	n/a
Choke Manifold	n/a
Accumulator	n/a

Mud Pumps

Make	x2 National 7P50
Engine Type	x1 Cat D379, 500 HP, x1 CAT 3412, 500 HP
Pressure Rating	5000 psi

Mud System

Total System Volume	764.5 bbl (108.03 m ³)
Sand Trap	72.5 bbl (16.1 m ³)
Settling	385 bbl (19.44 m ³)
Active	140 bbl (42.7 m ³)
Slug	52 bbl (18.84 m ³)
Mixing	93 bbl (10.95 m ³)
Reserve (Optional)	Job Specific
Trip Tank (Standalone)	22 bbl (3.18 m ³)
Water Tank (Optional)	Job Specific
Shale Shakers	2x Derrick FLC 514
Mud Cleaner	Derrick 3-10 desand. and 20x3 desilt
Degasser	x1 Mi-Swaco CD-1000, 400 V
Charging Pumps	x2 6x8x13 MCM 178 55 kW
Mixing System	x1 6 in Mi-Swaco Hopper

Pipe Racking and Handling

Type	Racking Board (ø 3 1/2 in to 5 in)
Make	DFXK Petroleum
Max Reach	22 m
Max Load Capacity	216 joints, approx. 6500 ft

Tubulars

Drill Pipe	n/a
Drill Collars	n/a

Casing / Tubular Handling Equipment

Make	n/a
Max Torque	n/a

Slickline Unit

Type	Electric
Make	Five Star
Line Size	10,000 ft x 0.093 in (3,000 m x 2.4 mm)

Forklift

Quantity	1
Make / Model	JCB 535/140
Lifting Capacity	3.5 t

Offices / Cabins

Quantity	1
Description	Toolpushers office

Additional Equipment / Features

MDG manual catwalk (ø 3 1/2 in to 20 in), 5MT
x1 Quincy QSB-20 air compressor, 125 psi WP, 2.07 m ³ /min