

Drillmec 2000 HP

Stationary diesel – electric PCR system rig

PRINCIPAL PARTICULARS

Type: Stationary/Electrical
Rating: 2000HP
Drilling depth: 6000m @ 5” DP

DRAWWORKS

Type : Drillmec 2000HP AC
Horsepower rating: 2000HP
Driven by: 2 x GE-B22 AC electric motor
Drilling line diameter: 1 ½”
Auxiliary break: Wichita

MAST

Type: Drillmec DM-1300
Height: 58,26 m
Hook load: 590 t @ 14 lines

SUBSTRUCTURE

Type: Drillmec DM-1300
Total height: 10,68m
Clear height: 9,15 m
Setback capacity: 363t
Casing capacity: 590t

ROTARY EQUIPMENT

Rotary table type: Drillmec R375
Rotary table opening: 37 ½”
Rotary Table capacity: 590t
Driven by: 1 x GE-B22 AC electric motor
Swivel type: ABCO
Swivel capacity: 454t
Top Drive System: TDS-11SA Varco
TDS capacity: 454t
TDS max. torque: 55 000 ft lbs
TDS max. speed: 228 rpm
TDS Drive: VFD National Oilwell
Iron Roughneck: Drillmec PCT-130

TRAVELING EQUIPMENT

Traveling Block type: ABCO type B60F650
Block capacity: 590t
Q – ty and size of sheaves: 7 x 60”
Hook type: ABCO
Hook capacity: 590 t

DRIVE GROUP

Engine type: 4 x CAT 3512B DITA-SCAC
Horsepower rating: 4x 1750 HP
Generator type: 4x CAT SR 4B
Generator rating: 1714 kVA/1200kW
Generator Voltage: 600V/50 Hz
SCR/VFD Unit: VFD BENTEC
Compressors: 2x Ingersoll Rand UP5 37PE 10 screw type

MUD SYSTEM

Mud Pumps type: 3 x Drillmec 12T 1600
Horsepower rating: 1600 HP each
Power pump: 2x GE B22 AC electric motor
Shale Shakers: 3x MI Swaco Mongoose
Mudcleaner: 1x MI Swaco Combo 2-12” 6T4
Degasser: MI Swaco DC 1400 Centrifugal
Active Mud System: 360 m³
High pressure line: 2 x 5”/5000psi

BOP EQUIPMENT

BOP Control Unite type: Koomey MB-11-SB-54
Single ram: Cameron 13 5/8” 10K type U
Double ram: Cameron 13 5/8”x10K type U
Annular BOP: Cameron 13 5/8” x 5M type DL

INSTRUMENTATION

Weight Indicator: Martin Decker Totco type EB
Recorder: Drillmec Drilling Technologies
Drilling Control System: Drilling Data Aquisition System.