

IRI 1200

Stationary diesel – electric SCR system rig

PRINCIPAL PARTICULARS

Type: Stationary/Electrical
Rating: 1200HP
Drilling depth: 5000m @ 5”DP

DRAWWORKS

Type: IRI - 1200
Horsepower rating: 1200HP
Driven by: 2x GE752 DC electric motor
Drilling line diameter: 1 ¼”
Auxiliary break: Elamgo Baylor 6032

MAST

Type: IRI - 1200
Height: 43,3m
Hook load: 305t @ 12 lines

SUBSTRUCTURE

Type: IRI - 1200
Total height: 9,14m
Clear height: 7,98m
Setback capacity: 159t
Total capacity: 454t

ROTARY EQUIPMENT

Rotary table type: IRI / Ideco 27-1/2”
Rotary table opening: 27 ½”
Rotary Table capacity: 517t
Driven by: drawwork’s
Swivel type: IRI / Ideco TL-300
Swivel capacity: 272t
Top Drive System: MH PTD-500 HY
TDS capacity: 454t
TDS max. torque: 42000 ft lbs
TDS max. speed: 200 rpm
TDS Drive: 2 x CAT 3412

TRAVELING EQUIPMENT

Traveling Block type: Upetrom MC-300
Block capacity: 300t
Q – ty and size of sheaves: 5x1250 mm
Hook type: integrated
Hook capacity:300t

DRIVE GROUP

Engine type: 4x CAT 3512 B
Horsepower rating: 4x 1033 HP
Generator type: 4x Caterpillar SR-4
Generator rating: 1200 kVA/ 750kW each
Generator Voltage: 600 V / 50 Hz
SCR/VFD Unit: ROSSHILL CONTROL
Compressors: 2 x Boge S90 screw type
Grid supply connection possible

MUD SYSTEM

Mud Pumps type: 2x Ideco T-1300
Horsepower rating: 2x 1300HP
Power pump: 2x GE752 DC electric motor on each mud pump
Shale Shakers: 3x MI Swaco Mongoose
Mudcleaner: 1 x MI Swaco
Degasser: CD-1400 Centrifugal type
Active Mud System: 334m³
High pressure line: 2xID-4”/5000psi

BOP EQUIPMENT

BOP Control Unite type: Koomey 80
Single ram BOP: Control Flow13 5/8"-10K Type U
Double ram BOP: Control Flow13 5/8"-10K Type U
Annular BOP: Hydril GK 13 5/8"-5K

INSTRUMENTATION

Weight Indicator: Martin Deker - Typ EB
Recorder: discrete-electronic
Drilling Control System: DrillLab