

Cardwell KB-200

Self – propelled mechanically driven rig

PRINCIPAL PARTICULARS

Type: Portable/Mechanical
Rating: 325/400HP
Drilling depth: 1000/1800m@ 5” DP

DRAWWORKS

Type: Cardwell K-200C
Horsepower rating: 400HP
Driven by: 1x CAT 3406B diesel engine
Drilling line diameter: 1”
Sand drum: 13 450 ft @ 9/16”
Auxiliary break: Paramac 15”

MAST

Type: Cardwell 255-108
Height: 33m
Hook load: 63/116t @ x6 lines

SUBSTRUCTURE

Type: Cardwell
Total height: 4m
Clear height: 3,1m
Setback capacity: 50t
Casing capacity: 141t

ROTARY EQUIPMENT

Rotary table type: Upetrom MRS-205
Rotary table opening: 20 ½”
Rotary Table capacity: 320t
Driven by: drawwork’s
Swivel type: King Oil 15MB
Swivel capacity: 136t
Kelly Spinner type: Weatherford KS-1500AB

TRAVELING EQUIPMENT

Traveling Block type: McKissick 664
Block capacity: 150t
Q – ty and size of sheaves: 4x 49”
Hook type: integrated
Hook capacity: 150t

DRIVE GROUP

Engine type: 2x Cat 3408 1x Leyland SW680/141/17
Horsepower rating: 2x450HP, 1x 170HP
Generator type: 2x SR4 ; 1xA280M04
Generator rating: 1x 365kVA/292kW;
1x 313kVA/250kW; 1x 125kVA/100kW.
Generator Voltage: 400/230V/50Hz
Compressors: Boge S50 screw type

MUD SYSTEM

Mud Pumps type: 2x Gardner-Denver PZ-7
Horsepower rating: 2x 550HP
Power pump: CAT D379B diesel engine each
Shale Shakers: 2 x MI Swaco Linear Motion
Mudcleaner: Brandt SMC-12
Degasser: Brandt DG-10
Active Mud System: 80m³
High pressure line: 1x 3 ½”/5000psi

BOP EQUIPMENT

BOP Control Unite type: Upetrom CH6U-320/76
Double ram BOP: Upetrom 13 5/8”-5K type DF
Double ram BOP: Upetrom 9”-5K type DF

INSTRUMENTATION

Weight Indicator: Martin Decker Type FS
Recorder: M/D Type RGO – 77 (7-pen)
Drilling Control System: Martin Decker