

IRI - 750

Self – propelled mechanically driven rig

PRINCIPAL PARTICULARS

Type: Portable / Mechanical
Rating: 720HP
Drilling depth: 2100m @ 5”DP

DRAWWORKS

Type: IRI/Ideco 2042/160 750 Series
Horsepower rating: 720HP
Driven by: 2x CAT 3406B diesel engine
Drilling line diameter: 1 1/8”
Sand drum: 13 000ft @ 5/8”
Auxiliary break: Paramac V-80

MAST

Type: IRI/Ideco C-7-762-293
Height: 35,7m
Hook load: 136t @ 8 lines

SUBSTRUCTURE

Type: IRI-750 swing Up/Bridge type
Total height: 4,95m
Clear height: 4m
Setback capacity: 82t
Casing capacity: 200t

ROTARY EQUIPMENT

Rotary table type: IDECO SR-20.5 BS
Rotary table opening: 20 1/2”
Rotary Table capacity: 408t
Driven by: : drawwork's
Swivel type: Ideco TL-200 B
Swivel capacity: 200t
Kelly Spinner type: VARCO model 6600

TRAVELING EQUIPMENT

Traveling Block type: Ideco UBT-160-4-30
Block capacity: 145t
Q – ty and size of sheaves: 4x30”
Hook type: integrated
Hook capacity: 145t

DRIVE GROUP

Engine type: Perkins 2206C, CAT 3408B
Horsepower rating: 561HP, 402HP
Generator type: GEP450 (LL6114D), CAT 3408 (SR-4)
Generator rating: 450kVA/360 kW, 365kVA/292 kW
Generator Voltage: 230/400V/50Hz
Compressors: 2 x INGERSOLL-RAND UP5-11C-8 + 1 screw type + 1 x INGERSOLL- RAND 7100 piston type

MUD SYSTEM

Mud Pumps type: 2x Ideco T-500
Horsepower rating: 2x500HP
Power pump: CAT 3412 diesel engine each
Shale Shakers: 2x MI SWACO Mongoose PT
Mudcleaner: 1x MI SWACO
Degasser: Brandt Rani DG-10
Centrifuge: 1x SWACO 518
Active Mud System: 160m³
High pressure line: 1x 3 1/2”/5000psi

BOP EQUIPMENT

BOP Control Unite type: Cameron
Double ram BOP: Cameron 11"-10K type U
Annular BOP: Cameron 11"-5K type DL

INSTRUMENTATION

Weight Indicator: Martin Decker type FS
Recorder: M/D TOTCO E-MUD
Drilling Control System: M/D TOTCO