

**TECHNICAL
RIG SHEET**

National 110UE



PRINCIPAL PARTICULARS

Type: **Stationary / Electrical**

Rating: **1500HP**

Drilling depth: **4500m @ 5"DP**

DRAWWORKS

Type: **National 110UE**

Horsepower rating: **1500 HP**

Driven by: **2 x GE 752 DC electric motor**

Drilling line diameter: **1 3/8"**

Auxiliary break: **Elmago 6032**

MAST

Type: **Pyramid DA-M610-80-1**

Height: **43,2m**

Hook load: **454t@ 12 lines**

SUBSTRUCTURE

Type: **PYRAMID DB-8575-80-1**

Total height: **9,14m**

Clear height: **7,97m**

Setback capacity: **72t2**

Casing capacity: **454t**

ROTARY EQUIPMENT

Rotary table type: **National C-275**

Rotary table opening: **27 1/2"**

Rotary table capacity: **454t**

Driven by: **drawworks**

Top Drive System: **MH PTD- 500 AC**

TDS capacity: **454 t**

TDS max. torque: **40800 Gt lbs**

TDS max. speed: **206 rpm**

TDS drive: **AC induction motor**

TRAVELING EQUIPMENT

Traveling block type: **MCKissick 684**

Block capacity: **454t**

Q – ty and size of sheaves: **6 x 50"**

DRIVE GROUP

Engine type: **5x CAT 3512 B DITA**

Horsepower rating: **1020HP each**

Generator type: **5x CAT SR-4B**

Generator rating: **5x 1200 kVA/800 kW**

Generator voltage: **600 V/50Hz**

SCR/VFD unit: **Rosshill**

Compressors: **2x BOGE S-90**

MUD SYSTEM

Mud pumps type: **3 x National 10P-130**

Horsepower rating: **3x1300**

Power pump: **2x GE-752-DC electric motor**

Shale shakers: **3x MI Swaco Mongoose**

Mudcleaner: **1x MI Swaco ALS**

Degasser: **MI Swaco CD-1400**

Mud system capacity: **320m³**

High pressure line: **5000 psi**

BOP EQUIPMENT

BOP control unit type: **CAD, EX-2110672HU2**

Single ram BOP: **Cameron 13 5/8"-10K Typ U**

Double ram BOP: **Cameron 13 5/8"-10K Typ U**

Annular BOP: **Cameron 13 5/8"-5K Typ DL**

INSTRUMENTATION

Weight indicator: **Martin Deker - Typ EB**

Recorder: **MID Totco**

Drilling control system: **DrillLab**



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