 **SPECIFICATIONS RIG # 2** March 2023

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| **Depth rating of 600 m** | **Range II casing capable** | **KB to Ground : 1.8 m** | **5 loads mobile or - 7 loads** |

**EQUIPMENT**

**DRILLING RIG**

* 2008 XEG 100 KSRM Drilling Rig
  + Hydraulic powered dual cylinder draw works with 8 sheave cable system pulling 18,200 kg
  + Drill feed rate at 6 m/min slow speed or 50 m/min fast speed with holdback regulation capability
  + Pull-down system Hydraulic with 22,000 kg
  + Hydraulic Top Drive rotary Rineer 125 (62) Series with 7500 ft\*lbs torque @ 120 rpm
  + Swivel 5JW 2500 psi
* Carrier: 2007 Western Star Truck tandem-tridem
  + Powered by Cat C-15 with 600 HP
* 7/8” Tugger line Winch pulling 18,000 kg
* ¼” Core line Winch pulling 8,000 kg
* Mast height 18 m with 44,400 kg capacity

**MUD PUMP**

* Centerline 7.5” x 10” Duplex with 1.1 m3/min output @ 40 spm max 750 psi

**MUD TANK**

* Triple section 8.5 m3 tank with pre-charge submersible pump and mixing hopper
* Brandt Cobra Shale shaker 3 screen on 25 m3 5-section tank with 50 HP 5x6 Mission mix motor

**BOP**

* RBOP or FLO-head or class 1 Diverter system to poor boy degasser with 6” vent line

**Drill Pipe**

* 114.3 mm Core Pipe L80 17.26 kg/m with 4 5/8”CDP connections. Max torque 10,000 ft\*lbs
* Pipe Trailer with skate handling and storage

**Drill Collars**

* 5” OD with 3.5 IF and 7” OD with 4.5 IF collars each 9 m long

**Boiler / Power**

* 40 HP Williams & Davis Boiler with 55 kW Isuzu 208V light plant/generator mounted on 2000 Freightliner
* 100 kw Generator/Light plant 480V/208V 100 amp – with large tank

**Doghouse**

* Trailer style 8’ x 28’ heated & fully equipped for core handling