Treo Rig #6 Specifications

General Information:

- Dresser T70W tandem top drive drill rig, maximum depth 1,000 m
- Hydraulic top drive, 5,000 ft-lb torque, 3½" I.F. connection
- Top drive rotation 0-120 rpm
- 5/8" four-line block hydraulic draw works
- 18" rotary table with slips
- Rotary pipe tongs
- Range 2 casing capability (11 m)
- Truck-mounted

Substructure:

- High boy trailer conversion with hydraulic tilt and lift
- Fully enclosed and heated cellar area

Generator/Change Shack:

- 200 kw generator

Accumulator:

- 21,000 kPa system
- Four bottles with two N_2 backup bottles
- 152 litres (40 U.S. Gallons)
- Four valves, remote station in doghouse

Manifold:

- Inspected and certified
- 21,000 kPa 89mm choke manifold (PVS)
- 152 mm degasser line

Mud Tanks:

- 30 m^3 capacity, three compartments
- Mixing shack 4X3 Halco electric mixing pump
- DFTS linear Model 500 shale shaker
- Pason tank monitors

Mud Pump:

- Emsco D-375, powered with twin 671 Detroit diesels

Boiler:

- 80 hp rental (Dupre)

Blowout Preventer:

- Inspected and certified
- Class III 178 mm

- Class IA 178 mm
- Class IA 406 mm diverter

Coring Tub:

- Christensen Wireline coring system (maximum depth of 1000 m)
- 4 5/8'' core pipe
- 2¾" core in 3" plastic tubes or 3" core
- Heated core shack

Air Package:

- Two 950 cfm, 350 psi trailer-mounted compressors
- Air cyclone tank with flare stack (holds 20 m^3 of fluid)
- 4" flare pipe
- Two downhole float subs
- 178 mm or 229 mm RS diverter head

Floc Tank:

- 30 m^3 system

Catwalk:

- Hydraulic pipe tub
- Two 6" 4H90 drill collars
- Four 4¾", 3½" I.F. connection
- 1,000 m 3½" I.F. drill pipe
- Range 1 or 2 casing racks

Doghouse:

- 16 m^3 water storage
- 9,000 litre fuel storage
- First aid station
- Pason with PVT and sidekick