



KOLTEK RIG 131

Dugan DS5 - Datasheet & General Rig Layout

ABOUT KOLTEK

We also offer a One Stop Solution, utilizing our Drilling Rigs combined with Terrapin Energy Services Horizontal / Directional Drilling Services, for the entire US. We use Reliable Drilling Rigs, Skilled Rig Personnel, Directional Drillers, Knowledgeable MWD Engineers, High Performance Drilling Motors, and state of the art EM (Electro Magnetic) MWD equipment for continuous D&I surveys, and gamma logging applications.

Bryan Hebert



RIG 131 – DUGAN DS5

Carrier:

Dugan DS5, 500 HP with Lebus 1-1/8" Grooving, cathheads, 15" water brake, air diller's control console powered by CAT 3408 diesel engine with electric starter, radiator, gauges, Twin Disc F-115-24-TC torque converter, Ingersoll Raind Air Compressor, Lee C. Moore 94' H 300,000#.

Mast:

Telescoping Cantilever Mast with 5 sheave crown block, racking board, 4" standpipe with rotary hose, mounted on 32' OAL 3-axle trailer with approximate 2000' of 1-1/8" drill line & spool, National FS deadline anchor, Gardener Denver 125 ton 4-sheave block/hook combo, 8' x 30' rig mat.

Gen house:

10' W x 18' L Parts House with 18' L Gen/Utility Room with CAT DR-4 155 KW generator powered by CAT 3306 diesel engines; a Marathon 135 KW generator powered by CAT 3304 diesel engines;

Mud Pump:

Continental Emsco DB-550 Duplex Mud Pump, 550 HP, GH Mattco forged steel fluid end with quick-change caps, hydraulic K-10-3000 pulsation dampener, type D pressure gauge, (2) Five Star 5" x 6" charging pumps, powered by 50 HP electric motors, CAT-D379 diesel engine, with air starter, radiator, gauges, air clutch, skidded, mounted in 12' W x 38' L house with mud hopper, explosion proof lights, heaters, skidded.

Ideco MM-700 Duplex Mud Pump, 700 HP, 17-1/4" x 15", forged steel fluid end & quick-change caps, Continental Emsco PD-45 pulsation dampener, type D pressure gauge powered by CAT D-379 diesel engines, with air starter, offset radiator, gauges, air clutch, skidded, mounted in 12' W x 24' L house with fluorescent lights, heaters, skidded.

Pits:

3'8" H x 12' W x 39' L 317-Bbl sgl tank system with (4) compartments, internal plumbing, caustic tank, topmounted walkways, stairs, safety rails, skidded.

Mud mixing pump: (1) Mission Magnum 5 x 6 x 10.

Shaker:

(1) SWACO Mongoose Linear shale shaker.

BOP:

Regan Torus 9-1/2" ID 3000# annular blowout preventor with Shaffer LWS 9" 3000# Dbl Ram Blowout preventer with rams, 16" H Drilling spool with (3) 2-1/16" 5000# Gate valves, & 2-1/16" 5000# Check valve, Koomy type 80, 3-station closing unit, (4) 10-gal accumulator bottles, triplex charging pump powered by 10 HP electric motor, air pump, skidded. Mission 2" x 3" cent pump powered by 15 HP electric motor.

3000# BOP Chock manifold with 4-way cross, (4) NWP 2-1/16" Gate valves, (2) adjustable chokes, skidded.

Fuel tank:

7' H x 8' W x 10' L 4,200 gallon fuel tank. (2) LPG tanks, 500 gallon & 200 gallon.

Water tank:

8' 10" H x 10' W x 26' L 400-Bbl water tank.

Drill Pipe:

(1426) ft (46 Jts) 4-1/2", G-105. 16.60#, Rng 2 drill pipe with NC-46, BN, HB Tool Jts, 5-5/16" OD to 6-1/4" OD

(1860) ft (60 Jts) 3-1/2", G&S, 13.30# & 15.50#, Rng 2 drill pipe with 3-1/2" IF, BN, HB Tool Jts, 4-7/8" OD Avg

(2170) ft (70 Jts) 3-1/2", G&S, 13.30# & 15.50#, Rng 2 drill pipe with 3-1/2" IF, BN, Most HB Tool Jts, 4-11/16" OD to 4-7/8" OD