



Pawdner Drilling, LP

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PAWDNER DRILLING

INVENTORY

DRAWWORKS

Continental Emsco C-1, 1500HP powered by two, 1000HP DC traction motors. The drawworks has an auxiliary Wichita Brake for primary braking and to interface with Varco Electronic Drilling System.

ENGINE / GENERATOR SETS

Three Cummins KTA50 diesel engines each rated at 1470HP, unitized with AVK 1100KW generators supplying AC power to IDM SCR house powering mud pumps, rotary table and auxiliary equipment.

DRILLER CONTROLS

Varco Electronic Driller and Block Control System enable near steady state WOB while drilling. Block speed controls minimize swab and surge pressures and increase tripping efficiency. Drawworks speed is joystick controlled with touch screen and manual control of E-Drill and SCR. System is located in an air conditioned driller's cabin.

BLOWOUT PREVENTER SYSTEM

One 13-5/8" 10M double ram BOP, one 13-5/8" 10M single ram BOP, one 13-5/8" 5M annular. All BOP's meet API 16D. One Koomey 6 station accumulator, API 16E. A 10M flexible choke line and 4" X 4" 10M choke manifold.

MUD PUMPS

Two BMMP F-1600 triplex mud pumps (rated 1600HP each), each belt driven by two DC traction motors rated at 1600HP.

OVERHEAD STRING

One 400 ton, six sheave Block, One 350 ton Hook with a 12 line string up of 1-3/8" line.

MAST

IDM Equipment 136' telescoping mast with 750,000# hook load. Can accommodate 350 ton top drive.

SUBSTRUCTURE

IRI 22' hydraulically telescoping substructure rated at 735,000# rotary load with 400,000# simultaneous setback. Rig floor and substructure use an integrated drainage system for maximum fluid containment.

ROTARY TABLE

Continental Emsco 37½" Rotary independently driven by one 800 HP DC traction motor.

MUD SYSTEM

960 barrels total active capacity. Two covered 480 barrel tanks with round bottoms and electric agitators for optimum mixing/blending and ease of clean out. Each tank contains two 5 X 6 X 75HP centrifugal pumps. Hopper is remote for ease of use with bulk tanks. Three Brandt King Cobra shale shakers, Brandt D-G10 degasser and Brandt 16 cone desilter are all unitized on a hydraulically raised mud processing skid. A separate skid incorporates one 75 barrel trip tank with 2 X 3 X 25HP centrifugal pump.

DRILL PIPE / DRILL COLLARS

14,000' 5" drill pipe of sufficient grade and weight to provide 100,000# margin of over pull.
21 - 6 ½" drill collars.

AUXILIARY EQUIPMENT

Crown-O-Matic
Mathey wireline unit with 25,000' of .092 wireline
18" high catwalk and pipe racks
Motorized drill line spool
Toolpusher and crew quarters
Hydraulic pipe and kelly spinner
0-7 degree drift indicator
Varco electronic drilling recorder

