



Parker Drilling Rig 122

2,000 hp Land Drilling Rig

Year Modified: 2008

Rated Drilling Depth

5 in. Drill Pipe: 18,000 ft (5,486 m)
4-1/2 in. Drill Pipe: 23,000 ft (7,010 m)

Mast

Make: Pyramid
Height: 142 ft (43.3 m)
Max. Hookload: 1 million lbs
Racking Capacity: 5 in. drill pipe – 18,000 ft. (5,486 m)

Drawworks

Make: Gardner Denver 1500E
Rated Input: 2,000 hp (1,491 kW)
Input Power: Two (2) GE-752 DC traction motors, each rated 1,000 hp (746 kW)
Drilling Line: 1-3/8 in. (34.9 mm)

Traveling Equipment

Traveling Block: Oilwell
Max. Load: 1 million lbs
Swivel: Continental Emsco LB-500
Max. Load: 1 million lbs

Substructure

Make, Type: Pyramid, swing-up
Clear Working Height: 21 ft (6.4 m)
Setback Load: 600,000 lbs

Rotary Equipment

Top Drive: Tesco TD-500HS
Input Power: Detroit 16V-92, 1,100 hp (820 kW)
Rotary Table: Oilwell 37-1/2 in. (952.5 mm)
Input Power: Driven by drawworks
Static Load Rating: 1.2 million lbs

BOP System

Annular Preventer: One (1) 13-5/8" Cameron 5,000 psi
Ram Preventers: One (1) 13-5/8" Cameron 10,000 psi single ram
One (1) 13-5/8" Cameron 10,000 psi double ram



Gensets

Engines: Three (3) Caterpillar 3512B diesel engines; 1,476 hp (1,101 kW) @ 1,200 rpm each
Generators: Three (3) Caterpillar SR4B generators, 1,050 kW (1,313 kVA) each

Power Distribution

Gen. Control: Three (3) Ross Hill Model 1400
SCR: Three (3) Ross Hill Model 1400 bays
MCC: 600/480/208/120 volts

Mud Pumps

Pumps: Three (3) Gardner Denver PZ-10 triplex pumps; each rated 1,350 hp (1,007 kW)
Input Power: Each pump driven by two (2) GE 752 DC traction motors, each rated 800 hp (597 kW)

Mud Handling/Solids Control

Active Mud System: 1,590 bbls (253 m³)
Shale Shakers: Two (2) Derrick scalper shakers
Three (3) Derrick FLC 2000 3-panel; 1,200 gpm total
One (1) Derrick High-"G" dryer
Degasser: Swaco vacuum-type; 1,000 gpm



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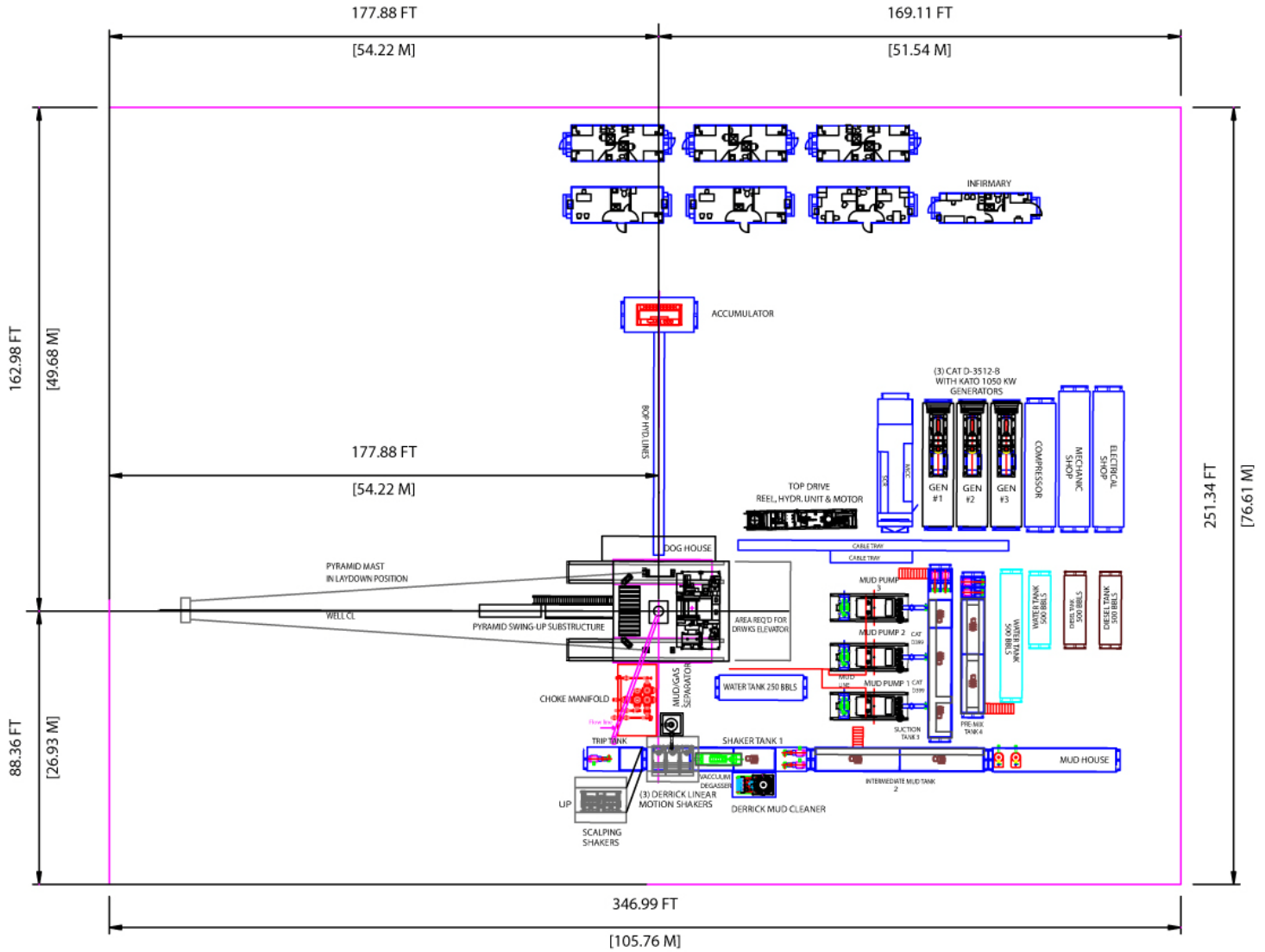
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Rig Plot Plan



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