

General Information

Design:	Baker Marine Corporation 150 H Class ILC
Builder:	Baker Marine, Ingleside, TX
Year Built:	1981 & Upgrade 2006
Class:	ABS ✕ A1 Self-Elevating Drilling Unit

Principal Dimensions

Hull Length:	174 ft 0-1/4 in
Hull Breadth:	162 ft 6-1/2 in
Depth:	18 ft
Legs:	3 x 250 ft 3 in (Triangular Truss)
Leg Spacing:	120 ft – Longitudinal 110 ft – Transverse
Cantilever Envelope:	Aft reach 40 ft x port/stbd 10 ft

Operating Parameters

Design Water Depth:	150 ft
Max Water Depth:	130 ft (Hurricane) 150 ft (Non-Hurricane)
Drilling Depth Rating:	25,000 ft
Design Criteria:	IMO, SOLAS & MARPOL
Spud Can Diameter:	34 ft 8-3/4 in (Across Flats)

Maximum Allowable Loads

Variable Deck Load:	3,100 kips
Static Hook Load:	1,300,000 lbs.
Setback:	450,000 lbs.
Rotary:	1,000,000 lbs.
Max Cantilever Load:	1,750,000 lbs.

Vessel

Storage Capacities

Fuel:	1,543 bbl.
Drill Water:	3,373 bbl.
Potable Water:	1,186 bbl.
Liquid Mud:	1,315 bbl.
Bulk Mud / Cement:	3,000 ft ³ / 3,000 ft ³
Sack Material:	5,000 sacks

Power System

Main Power:	4 x Caterpillar D-398 engines driving an 800 kw, 600-volt AC Generators. 1 x Caterpillar D-398 engines driving an 800 kw, 600-volt AC Generators – can be used as a standby or main AC bus. 2 x Caterpillar D-399 engines driving a 1,050 kw, 600-volt AC Generators to be used for the Top Drive and DW.
Power System:	4 bay Ross-Hill SCR System 2 bay Gulf Coast SCR System for powering the Drawworks and Top Drive.
Emergency Power:	See Main Power

Hoisting Equipment

Cranes:	1 x Baker Marine model 900, with 100 ft boom, rated at 49,965 lbs. at 20' radius and 41,055 lbs. at 40' radius. 1 x Draco King Post for heavier loads rated at 80,000 lbs. at 25' radius.
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Drilling Package

Drilling Equipment

Derrick:	Branham 147' x 30' x 30' rated at 1,300,000 lbs. static hook load.
Drawworks:	Mid-Continent U-1220 (2,000 hp), driven by 2 x GE 752 DC electric motors rated at 1,000 hp each.
Rotary Table:	National C-375, 37-1/2"
Top Drive:	Varco TDS-3H, 500 ton
Crown Block:	Oilwell FA760, 583 ton
Traveling Block:	Oilwell, 12 lines, 500 ton
Mud Pumps:	2 x Gardner Denver PZ-10 triplex pumps driven by 2 x GE 752 DC electric motors each. 1 x Continental Emsco FB-1600 triplex pump driven by 2 x GE 752 DC electric motors.
Shale Shakers:	2 x Brandt King Cobra Shakers
Mud Cleaner:	1 x Brandt King Cobra unitized with one Brandt 3 cones Desander and one Brandt 24 cones Desilter.
Degasser:	1 x Brandt DG-5, 500 gpm Degasser

Well Control System

BOP:	1 x 13-5/8" Shaffer Spherical annular preventer, 5,000 lb. WP, H2S trim. 1 x 13-5/8" Cameron Type "U", 10,000 psi WP double ram preventer, H2S trim. 1 x 13-5/8" Cameron Type "U", 10,000 psi WP single ram preventer, H2S trim.
BOP Handling:	2 x BOP handling overhead pneumatic hoist with a rated capacity of 25 tons each.

Additional Data

Accommodations:	62 berths
Helideck:	Rated for: Sikorsky S-61