



High Island VII 250 Foot Jack-Up

General Description

Design	Marathon LeTourneau 82-SD-C
Year Built / Last Upgrade	1982 / 2016
Hull Dimensions	207 ft. x 176 ft. x 20 ft.
Legs (3)	360 ft. long triangular
Quarters Capacity	100 persons
Maximum Water Depth	250 ft.
Cantilever Envelope	47 ft. by 26 ft. (with 7 ft. extension)
Maximum Variable Load (drilling)	6,200 kips*

**dependent on water depth and geographical location*

Drilling Equipment

Derrick	DSI 160 ft. x 30 ft. x 30 ft. derrick, static hook load capacity 1,000,000 lbs. with twelve (12) lines
Drawworks	National 1320 UE, 2,000 HP rated input power driven by two (2) GE 752 DC motors outfitted with Baylor 7838 auxiliary electric brake
Rotary Table	National-Oilwell C-375, 37-1/2 in. driven by independent DC motor with two speed gear box
Top Drive	Varco TDS-4S, 650 short tons, continuous drilling torque 45,500 ft.lbs. outfitted with a Varco PH-85 pipe handler
Pipe Handling	Varco AR 3200 Iron Roughneck for tubular OD 8-1/4 in. to 4-1/4 in.
Mud pumps	Two (2) National-Oilwell 12-P-160 1,600 HP triplex pumps rated to 5,000 psi, each driven by two (2) GE 752 DC traction motors
Solids Control	Four (4) Brandt VSM 300 shale shakers; one (1) Brandt SR-3 Desander with 3 x 6 in. cones; one (1) Brandt SE-16 Desilter with 16 x 4 in. cones
Instrumentation	Petron IDS 2000 & NOV RigSense drilling instrumentation

Storage Capacities

Liquid Mud	2,012 bbls. (including slug pits)
Base Oil	520 bbls.
Brine	1,000 bbls.
Drill Water	6,092 bbls.
Fuel	2,287 bbls.
Bulk Mud	5,100 cu.ft.
Bulk Cement	3,400 cu.ft.

Power Equipment

Main Power	Four (4) Caterpillar D-399TA diesel engines 1,200 HP driving four (4) KATO 1,030 KW 600V AC generators
Power Dist.	Four (4) Ross Hill SCR units 1,600 amps each, 750 volts

BOP Equipment

Diverter	Hydril MSP 29-1/2" 500 psi annular with two (2) 12 in. discharge lines and 12 in. hydraulically operated ball valves
BOP Stack	Two (2) T3 Energy 13-5/8 in. 10,000 psi WP U double ram preventers, one (1) T3 Energy 13-5/8 in. 5,000 psi WP annular;
BOP Handling	Ingersoll Rand Hercu-Link tandem 4 hoists system. SWL 37.5 short tons.

Cranes

Three (3) Marathon LeTourneau PCM-120 cranes 100 ft. booms rated for 50 short tons at 24 ft. radius

Special Features

A seven (7) ft. cantilever extension is available to increase the cantilever maximum skid out distance to 47 ft.

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These specifications are intended for general reference purposes only, as actual equipment and specifications may vary based upon subsequent changes, the contract situation and customer needs. All equipment shall be operated and maintained at all times, in compliance with Shelf Drilling policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.

