

Glomar High Island IV

270 Foot Jack-Up

General Description

Design.....Marathon LeTourneau 82-SD-C

Overall dimensions.....207 x 176 x 20 ft.

Spud can diameter ..... 40 ft.

Legs (3).....394 ft. long triangular

Quarters capacity .....72 persons

Operating water depth ..... 270 ft.

Cantilever envelope.....35 ft. by 20 ft.

Maximum cantilever extension (transom to rotary)..... 47 ft.

Maximum variable load (drilling).....1,735 st

Drilling Equipment

Derrick	160 ft. x 30 ft. DSI, with a static hook load capacity of 1,000,000 lbs. with twelve lines
Drawworks	National-Oilwell 1320 UE, 2,000 hp, driven by two GE 752 DC motors, and a Baylor 7838 auxiliary electric brake
Rotary table	National-Oilwell C-375, 37-1/2 in. driven by independent DC electric motor with two speed gear box
Top drive	National-Oilwell PS500 Power Swivel, 500 short tons
Mud pumps	Two National-Oilwell 12-P-160, 1,600 hp triplex pumps each driven by two GE 752 Hi-torque DC traction motors, rated to 5,000 psi
Solids control	3 x Brandt King Cobra shakers, one King Cobra-16/2 mud cleaner with 16 x 4 in. desilter cones and 2 x 12 in. desander cones
Instrumentation	Petron IDS 2000 data acquisition system and drilling recorder. Remote stations located at Toolpusher and Operator's office. System displays and records drilling data

Power Equipment

DC	Four Ross Hill SCR units, 1600 amps each, powering seven drilling motors
AC	Four Caterpillar D-399TA diesel engines, 1,215 hp, driving four KATO 600 volt, 800 kw generators

Storage Capacities

Liquid mud	1,445 bbls.
Bulk material	8,500 cu. ft.

BOP Equipment

Diverter	Hydril MSP 2000, 2,000 psi, 21-1/4 in. diverter with two 12 in. discharge lines and 12 in. hydraulically operated ball valves
BOP stack	13-5/8 in. Hydril BOP stack, with two Cameron U double ram preventers, one Hydril GK 13-5/8 in. 5,000 psi WP annular
BOP handling	1 x 50 short ton hoist and trolley handling system

Cranes

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

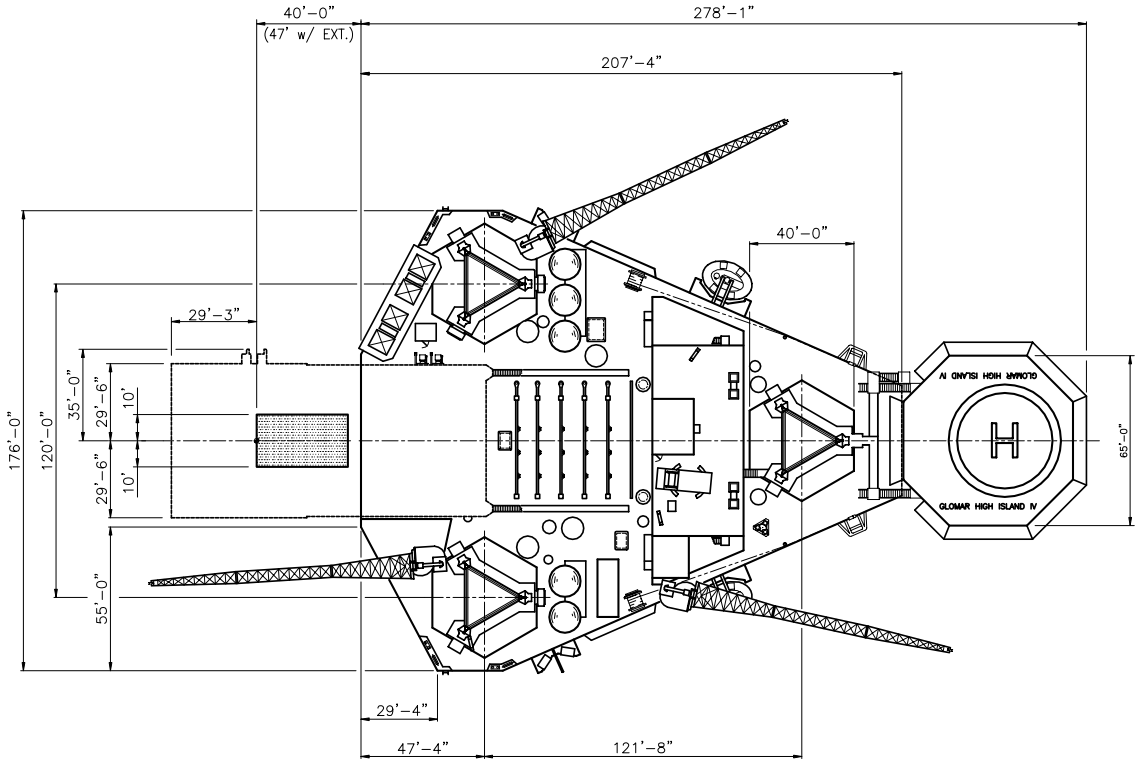
Special Features

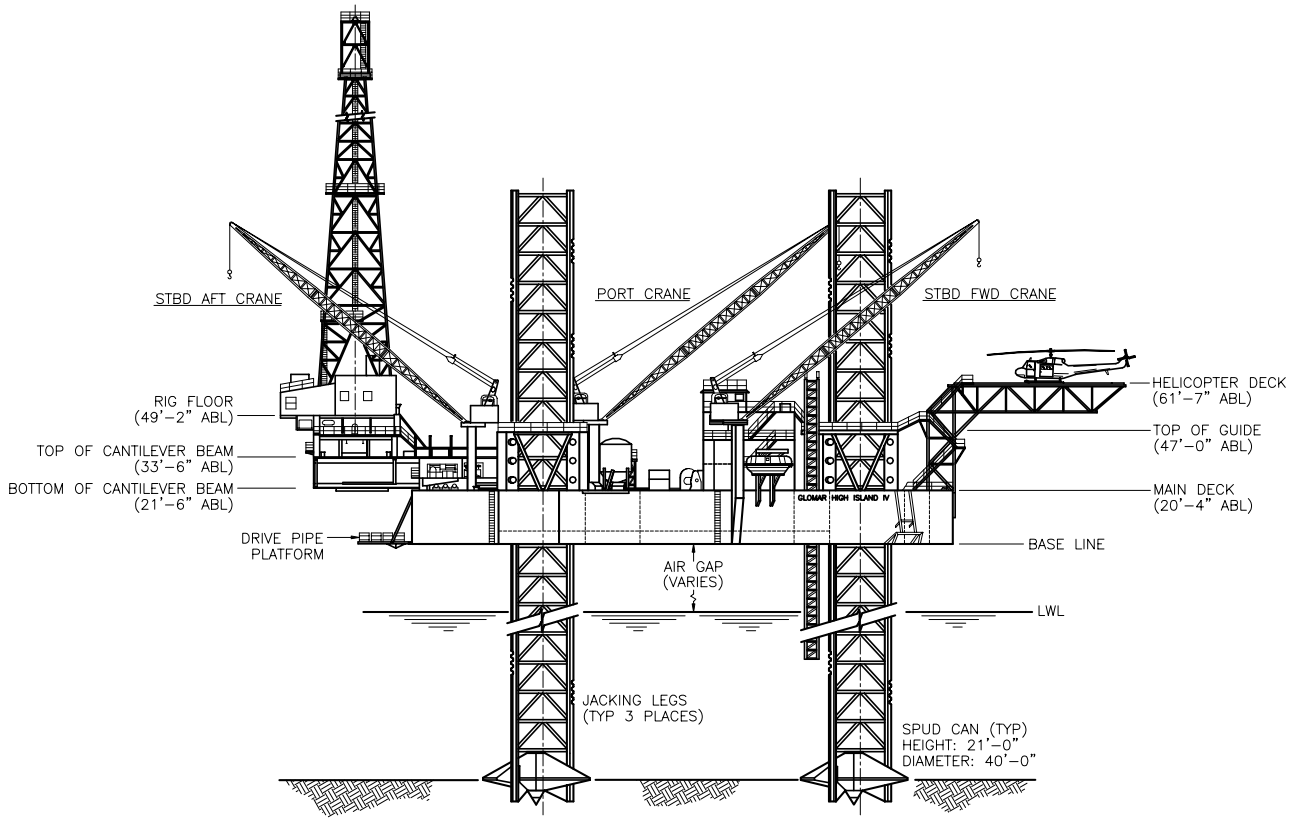
Cantilever Extensions 7 ft. pin on extensions are available to increase the maximum skid out distance to 47 ft. aft of the stern and drilling envelope to 42 ft. x 20 ft.

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Inquiries should be directed to the Marketing Department

Houston 15375 Memorial Drive Houston TX 77079-4101 (281) 925-6000 Fax (281) 925-6010





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