

# GSF High Island VII

## 250 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)**.....360 ft. long triangular

**Quarters capacity** .....77 persons

**Operating water depth** ..... 250 ft.

**Cantilever envelope**.....35 ft. by 26 ft.

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

**Maximum variable load (drilling)**.....2,326.5 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 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** | Varco TDS-3H, 500 short tons, continuous drilling torque rating 31,000 ft.-lbs., with a Varco PH-60 pipe handler |
| **Mud pumps** | Two National-Oilwell 12-P-160, 1,600 hp triplex pumps each driven by two GE 752 DC traction motors, rated to 5,000 psi. |
| **Solids control** | 3 x Brandt ATL-CS-LP shakers, 1 X 16 cone desilter, 1 x 3 cone desander. |
| **Instrumentation** | Petron IDS 2000 Main Driller's Display Console and Electronics with Petron Computer Assembly Workstation. |

### 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

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|---|---|
| **Liquid mud** | 1,415 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** | 2 x 30 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

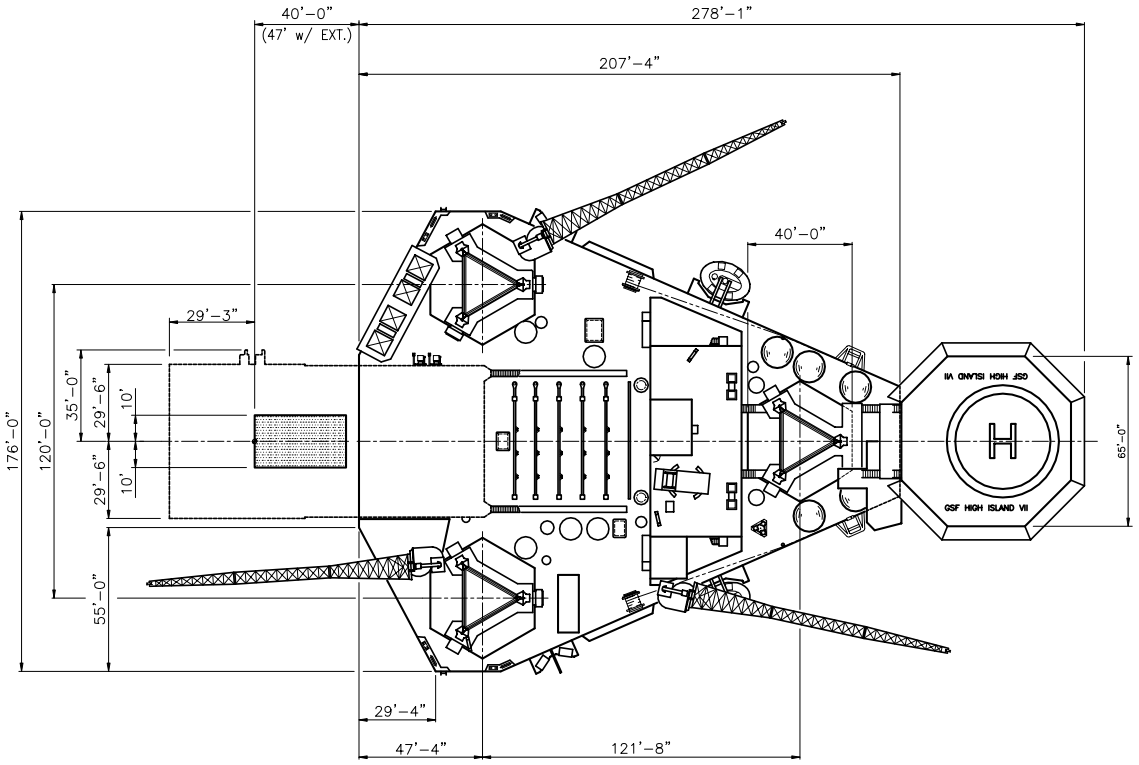
**Cantilever Extensions Cantilever Extensions** 7 ft. pin on extensions are available to increase the maximum skid out distance to 47 ft. aft of the stern and drilling envelope to 42 ft. x 26 ft.

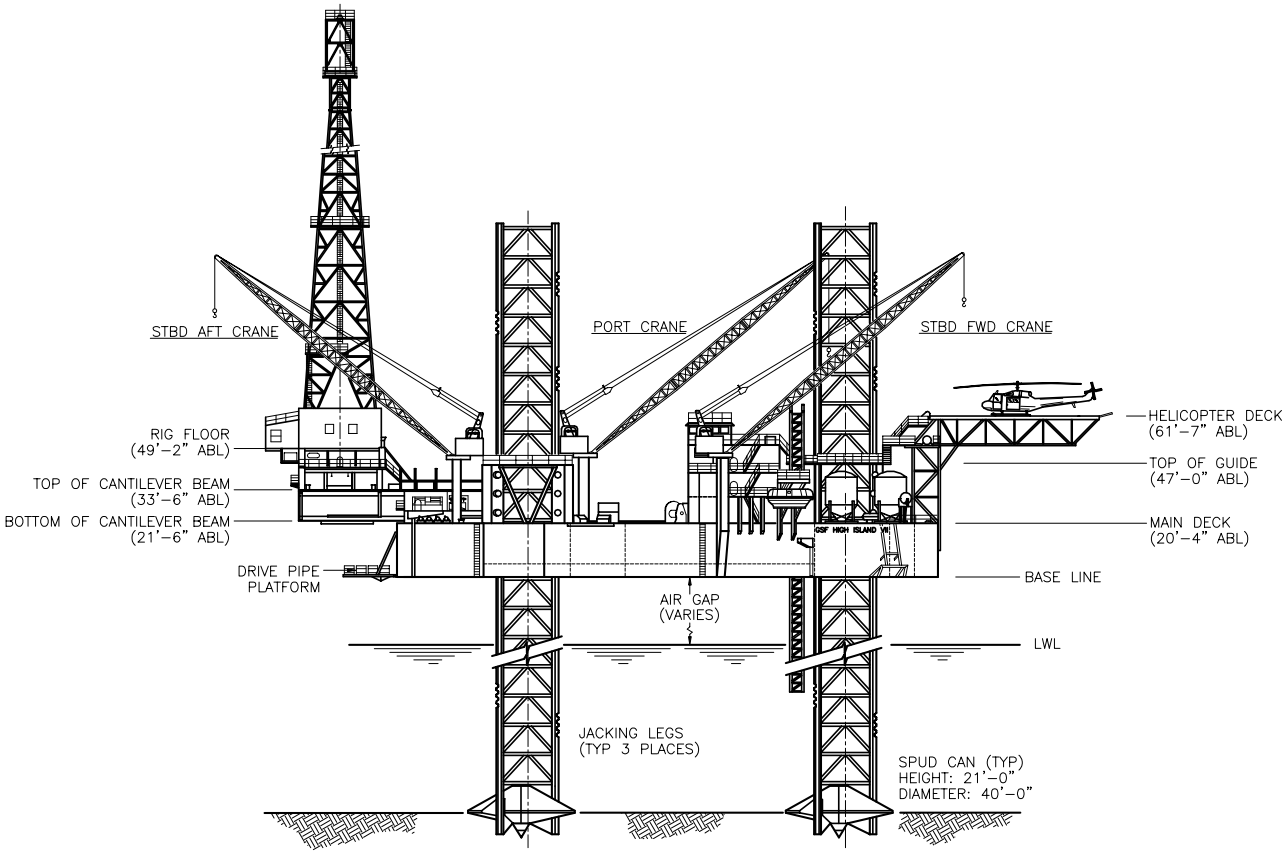


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Inquiries should be directed to the Marketing Department

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