

# Rig 102

## Medium Duty (1500 HP)

### General Description

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| **Design** | National 110U |
| **Drilling Depth Rating** | 16,000 ft. |
| **Sub-Base Height** | 19 ft. 6 in. |
| **Sub-Base Type** | Lee C. Moore box-on-box |
| **Camp Capacity** | 96 persons |
| **Estimated Total Rig Move Loads** | 58 |

### Drilling Equipment

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| **Derrick** | Lee C. Moore, 142 ft.<br>Static Hookload Capacity – 750,000 lbs. with 12 lines strung |
| **Drawworks** | National 110UE, 1,500 HP, 1? in. Drilling Line |
| **Rotary table** | Oilwell, 37.5 in. |
| **Top drive** | N/A |
| **Mud pumps** | 2 x Oilwell A-1400 PT, 1,400 HP |
| **Solids control** | Shale Shakers – 2 x Derrick FLC 2000<br>Desander – Demco 123, 3 x 12 in.<br>Desilter – Harrisburg 20, 20 x 5 in.<br>Mud Cleaner –N/A |

### Storage Capacities

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| **Active Mud** | 1,132 bbls. |
| **Reserve Mud** | 924 bbls. |
| **Bulk Material** | |

### Power Equipment

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| **DC Generators** | Gould Bass System<br>2 x Kato SR4 545 & 4 x GE 752 |
| **AC** | 6 x Caterpillar D-398, 910 HP |

### BOP Equipment

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|---|---|
| **Diverter** | 29-1/2 in., 500 MSP |
| **21-1/4 in. system** | Hydril MSP, 2,000 psi<br>Superior Single U, 2,000 psi |
| **13-5/8 in. system** | Hydril GK, 5,000 psi<br>Cameron Single U, 5,000 psi |

### Special Features