

# RIG 11S

## RIG

Foremost Explorer 3000 II  
Range II Slant  
Rig Motor: Caterpillar – 3406 PTO HPU Static Hook Load: 115,000 lbs. /51,000 daN 56,000lb. pull down  
Vertical to 45 degree drilling range  
1100m slant drilling hole depth  
1500m vertical drilling hole depth Maximum casing diameter: 508mm (20") Over hang Total Length: 4.8m

## MAST

Foremost Explorer  
Top Drive: Foremost – torque rate 0- 27,000 N-m (0-20,000 ft. lbs.)  
Tilting top drive head  
Rotation 0-210 rpm  
Fast feed rate @ 46mpm (150ftpm)  
Floating cushion connector sub  
Hydraulic pinion brake for directional indexing Integral mud swivel - rated to 31,000 kPa (4,500 psi) Dual hydraulic breakout tong system in lower mast (Iron Roughneck)

## PIPE HANDLING

Mast mounted  
Automated pipe handling system permits a “hands off” policy for the rig crew  
Range II pipe capable – 89- 273mm (3 1/2"- 103/4"")  
Lifting Capacity: 1,800kg (4,000lbs.)

## SUBSTRUCTURE

I beam constructed  
16.8m L x 3.66m W x 1.7m H Class II compatible  
Table Capacity 140,000 lb | 53,400 daN

## MUD PUMP

LPMRI F-800  
Powered by 3408 Caterpillar – 500 hp. Allison transmission  
Max strokes – 130spm  
Min strokes – 50spm  
PTO driven

## MUD TANK

Mud System Total Volume: 50m<sup>3</sup>  
Water Tank Volume: 11.6m<sup>3</sup>  
2 – Mission 50hp electric mixing pumps (5"x6"x11" centrifugal)  
Shale Shakers: Mongoose Liner  
G.V.W 24,490 kg 15.2 m (L) x 3.9 m (W) x 3.2 m (H)

## WATER TANK / DOGHOUSE

Total Volume: 60m<sup>3</sup>  
Doghouse Inside Water Tank for Transport clw Cable Lift System  
2 Heaters, Pason, Lockers for Drillers, Tool Board, Knowledge Box  
6 m Core Bench, 7.5 HP Water Circulating Pump, Pressure Washer  
2 x 7.5 HP Water Pumps, Pressure Washer  
Change Shack: 8 Lockers  
GVW: 24,940 kg, 12.2 m L x 3.65 m W x 3.8 m H

## WATER TANK/DOGHOUSE/ COMBINATION BUILDING

Generator: 3306 Caterpillar – 200KW Generator  
Fuel Storage: 10,000 litres

## RIG MANAGER SHACK

56' skid trailer; complete with office

## WELL CONTROL

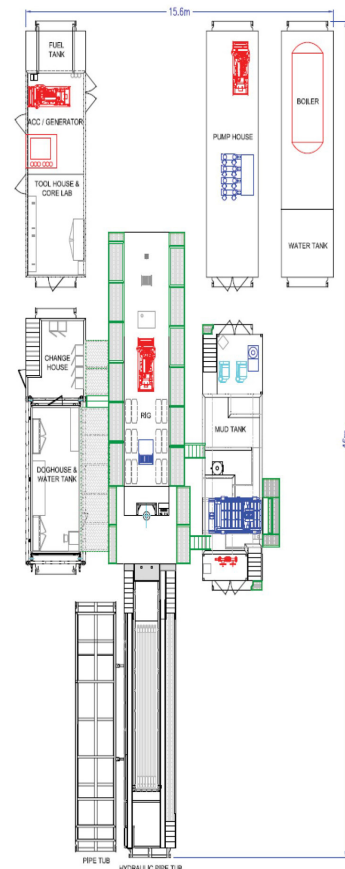
Class III 9" I 228.6 mm 3,000 psi | 20,800 kPa  
3" flare line | 6" De-gasser  
Control Technology 80 Gallon Accumulator 4 Station with PLC Remotes  
2 - 2 1/16" 5,000 psi Chokes  
3" X 5,000 psi | 35,000 kPa Manifold

## WINTERIZATION

100HP Dupre Boiler Water Tank Volume: 13m<sup>3</sup>  
Fuel Tank Storage: 3,300L

## TUBULARS

Pipe Connections: Top drive – 4" FH  
Drill pipe – 4" FH  
Drill collars – 4" FH Core pipe – 4 1/2" CDP



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