

# Access Middle East Oil Services

## #Rig 102

### Hoisting and Rotating

Drawworks	SJ Petroleum Machinery Co. JC40D8 AC Electric Drawworks with an input rating of 1 000 HP and 550,000 lbs hoisting capacity with 10 lines driven by two (2) 800 HP AC motors. AC Motors provide regenerative braking and the caliper
Auxiliary Brake	
Rotary Table	
Traveling Block	disc brakes provide parking and emergency stop.
Rotating Mousehole	

### Power Package

Generators	Three (3) Caterpillar 3512C engines rated at 1,476 horsepower, each driving one (1) Kalo 1365 KW generator for a total of 4,428 horsepower. ABB ACS 800 Multi Drive System.
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### Structural

Mast	Loadmaster/SJ Petro BESSO 142 ft telescoping mast. Maximum rated static hook load of 550,000 lbs on 10 lines. Mast is raised and lowered utilizing hydraulic cylinders and the top section is scoped utilizing the traveling block. Mast is transported as a single load and has integrated top drive rails (enables traveling block and top drive to travel in mast during rig move).
Substructure	Loadmaster /Petro BE550 hydraulically raised substructure with 22 ft floor height and 17.5 ft clear height under the rotary beams. Maximum rated casing load of 550,000 lbs simultaneous with 350,000 lbs setback load.

### Mud System

Mud Tanks	One (1) 560 bbl mud treatment tank and two (2) 90 bbl suction tanks mounted on the pump skids for a total capacity of approximately 740 bbls.
Solid Control	Two (2) Swaco Mongoose shale shakers. One (1) Swaco Mongoose mud cleaner with desander and desilter. One (1) 500 bbl water tank.

### Fluid Storage

Diesel Tank	One (1) 15,000 gallon diesel tank.
Water Tank	One (1) 500 bbl water tank.

### Tubulars

Traveling Block	Traveling block rated at 275 tons.
Rotary Table	SJ Petroleum Machinery Co. 27-1/2" rotary table driven by a hydraulic motor.
Accumulator	Consolidated Pressure Control seven (7) station, 8-series style, A PI 160 130P controls system with 16 x 11 gallon accumulator bottles
Choke Manifold	4-1/16" X 3-1/16" 5,000 psi
Additional Equipment	Vacuum Degasser Canrig Automated Catwalk Rotating Mousehole