The rig package (drill floor, mud pumps, mud tanks, and mud process equipment) is assembled as individual modules that interconnect once installed on the cantilever beams and the main deck of the hull. These modules can be set off onto the platform deck and operated in a platform rig mode completely autonomous from the jack up. The cantilever assembly with drill floor and pipe rack is also capable of skid off operation.

Designed and constructed by Bethlehem Steel Corporation 1974 (completely remanufactured as a cantileverable drilling rig in December of 2008), the 250 ft. mat slot/cantilever Spartan 208 was originally built and re-classed in accordance with the rules of the American Bureau of Shipping and is classified as an A-1 self-elevating, mobile offshore drilling unit.

Legs ..................................... Three (3) each – 12’ diameter, 312’ long (322’ including mat)
Hull Dim .................................................. 176’ x 109’ x 16’6"
Mat Dim .......................................170’ x 210’ x 10’ w/2’ skirt
Hull/Drilling Slot .......................................... 50’ x 58’ x 16’6"
Mat Slot ..........................................................90’ x 87’ x 10’

Bethlehem, electrohydraulic yoke and pin system

800 Kips hook and setback, total. Capable of extending to 45 ft. beyond the hull’s stern transom. Full hook and setback can be accommodated at 45 ft. extension with platform bearing assistance or full skid off. The load chart is attached.

Jacking System

Pipe Rack

Two (2) articulated claw skid shoes each with a 14.5” x 36” stroke hydraulic ram rated for 3,500 psi, capable of set off onto remote platform well bays.

Drillfloor

Integrated into the cantilever assembly, 50’ x 52’

Capable of supporting 500 kips

Cementing Unit and Cement System

The cementing unit, its cement bulk handling system and all associated equipment is for operator’s account. Note: currently provided by Schlumberger.

<table>
<thead>
<tr>
<th>Rig Configuration</th>
<th>Skidding Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>The rig package (drill floor, mud pumps, mud tanks, and mud process equipment) is assembled as individual modules that interconnect once installed on the cantilever beams and the main deck of the hull. These modules can be set off onto the platform deck and operated in a platform rig mode completely autonomous from the jack up. The cantilever assembly with drill floor and pipe rack is also capable of skid off operation.</td>
<td>Cantilever assembly: Two (2) articulated claw skid shoes each with a 14.5” x 36” stroke hydraulic ram rated for 3,500 psi</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drilling Vessel Description</th>
<th>Design Operating Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designed and constructed by Bethlehem Steel Corporation 1974 (completely remanufactured as a cantileverable drilling rig in December of 2008), the 250 ft. mat slot/cantilever Spartan 208 was originally built and re-classed in accordance with the rules of the American Bureau of Shipping and is classified as an A-1 self-elevating, mobile offshore drilling unit.</td>
<td>Maximum water depth (non-hurricane) 250’</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Maximum water depth (hurricane) 200’</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legs</td>
<td>Minimum water depth 22’</td>
</tr>
<tr>
<td></td>
<td>Minimum water depth (mat deballasted) 16’</td>
</tr>
<tr>
<td>Hull Dim</td>
<td>Workover depth capacity 25,000’</td>
</tr>
<tr>
<td>312’ long (322’ including mat)</td>
<td>Drilling depth (subject to well program) 15,000’</td>
</tr>
<tr>
<td>Mat Dim</td>
<td>Normal drilling:</td>
</tr>
<tr>
<td>176’ x 109’ x 16’6’</td>
<td>Variable deck load 4,500 Kips</td>
</tr>
<tr>
<td>Hull/Drilling Slot</td>
<td>Drilling load 4,500 Kips</td>
</tr>
<tr>
<td>50’ x 58’ x 16’6’</td>
<td>Maximum jacking variable 2,400 Kips</td>
</tr>
<tr>
<td>Mat Slot</td>
<td>Hook/setback load (derrick limited) 800 Kips</td>
</tr>
<tr>
<td>90’ x 87’ x 10’</td>
<td>Wind speed 100 Knots</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jacking System</th>
<th>Wave height 35’</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bethlehem, electrohydraulic yoke and pin system</td>
<td>Hurricane Survival</td>
</tr>
<tr>
<td>800 Kips hook and setback, total. Capable of extending to 45 ft. beyond the hull’s stern transom. Full hook and setback can be accommodated at 45 ft. extension with platform bearing assistance or full skid off. The load chart is attached.</td>
<td>Wind speed 100 Knots</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cantilever Beam Assembly and Loading</th>
<th>Wave height 50’</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 Kips hook and setback, total. Capable of extending to 45 ft. beyond the hull’s stern transom. Full hook and setback can be accommodated at 45 ft. extension with platform bearing assistance or full skid off. The load chart is attached.</td>
<td>Normal drilling:</td>
</tr>
<tr>
<td>Maximum water depth (non-hurricane) 250’</td>
<td>Variable deck load 4,500 Kips</td>
</tr>
<tr>
<td>Maximum water depth (hurricane) 200’</td>
<td>Drilling load 4,500 Kips</td>
</tr>
<tr>
<td>Minimum water depth 22’</td>
<td>Maximum jacking variable 2,400 Kips</td>
</tr>
<tr>
<td>Minimum water depth (mat deballasted) 16’</td>
<td>Hook/setback load (derrick limited) 800 Kips</td>
</tr>
<tr>
<td>Workover depth capacity 25,000’</td>
<td>Wind speed 100 Knots</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pipe Rack</th>
<th>Wave height 35’</th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrated into the cantilever assembly, 50’ x 52’</td>
<td>Hurricane Survival</td>
</tr>
<tr>
<td>Capable of supporting 500 kips</td>
<td>Wind speed 100 Knots</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skid Off Capable</th>
<th>Rig Storage Capacities</th>
</tr>
</thead>
<tbody>
<tr>
<td>The entire cantilever/drillfloor assembly is designed to skid off the hull to access remote or extra large platform well bays.</td>
<td>Weight of material and cement:</td>
</tr>
</tbody>
</table>

- Bulk mud (provided by contractor) 1,700 cu. ft.
- Bulk cement (provided by cementer) 3,900 cu. ft.
- Sack storage 3,000 sacks

<table>
<thead>
<tr>
<th>Drilling depth (subject to well program) 15,000’</th>
<th>Liquids:</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 Kips hook and setback, total. Capable of extending to 45 ft. beyond the hull’s stern transom. Full hook and setback can be accommodated at 45 ft. extension with platform bearing assistance or full skid off. The load chart is attached.</td>
<td>Drilling mud – active 1,500 bbls.</td>
</tr>
<tr>
<td>800 Kips hook and setback, total. Capable of extending to 45 ft. beyond the hull’s stern transom. Full hook and setback can be accommodated at 45 ft. extension with platform bearing assistance or full skid off. The load chart is attached.</td>
<td>Drill water 4,484 bbls.</td>
</tr>
<tr>
<td>800 Kips hook and setback, total. Capable of extending to 45 ft. beyond the hull’s stern transom. Full hook and setback can be accommodated at 45 ft. extension with platform bearing assistance or full skid off. The load chart is attached.</td>
<td>Diesel fuel 1,796 bbls.</td>
</tr>
<tr>
<td>800 Kips hook and setback, total. Capable of extending to 45 ft. beyond the hull’s stern transom. Full hook and setback can be accommodated at 45 ft. extension with platform bearing assistance or full skid off. The load chart is attached.</td>
<td>Potable water 472 bbls.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drillfloor</th>
<th>Cementing Unit and Cement System</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two (2) articulated claw skid shoes each with a 14.5” x 36” stroke hydraulic ram rated for 3,500 psi, capable of set off onto remote platform well bays.</td>
<td>The cementing unit, its cement bulk handling system and all associated equipment is for operator’s account. Note: currently provided by Schlumberger.</td>
</tr>
</tbody>
</table>
Drawworks
- Mid Continent 914, 1,500 HP Crown-o-Matic
- Lebus grooving-drum grooved for 1.25" drill line
- Parmac V-2000 brake installed on drawworks over riding clutch
- One (1) make up cathead (Foster)
- One (1) break out cathead (Foster)
- Duramatic crown/floor protector, installed on drawworks
- Lebus grooving, split sleeves for 1-1/4" drill line
- Two (2) GE 752 (Type) traction motors 1,000 HP, factory frame (shunt) winding
- Partech 2-speed transmission on top Partech right angle drive, coupled with Faulk 1050 couplings to traction motors (1000 HP)
- Right angle drive with air brakes and torque tube to drive rotary table

Derrick
RigCo 146-ft, free standing triples mast (serial number 136-800k-M-1525) with a static hook load of 800,000 pounds strung on 10 lines (outfitted for TESCO Top Drive) complete with racking board, stabbing board and bally board
Stand pipe manifold, 4-1/2" O.D. (10,000 psi test; 5,000 psi working) with dual stand pipes and rotary hoses

Mud Processing System
Unit has self contained mud system and is engineered for excellent mud control. Each tank is 8' deep with top equalization between the compartments. Piping allows multiple suction alignments between each pump for maximum redundancy. Total of 1,515 barrels liquid mud (excluding trip tank).
- One (1) 326 bbl. tank (setting pit/sand trap, shaker pit, mud cleaner pit and degasser pit)
- One (1) 266 bbl. reserve tank
- One (1) 155 bbl. reserve tank
- One (1) 626 bbl. active tank
- Two (2) 71 bbl. slugging pits
- One (1) 75 bbl. trip tank
- One (1) Burgess Model 1000 degasser (1000 gpm, flow rate) 20 HP
- Two (2) fluid system model linear cascade shakers, 4 panels
- Two (2) 50 HP 5" x 6" w/11 impellers MM (or equal) electrical centrifugal pumps (transfer pumps) w/mechanical seals
- Two (2) 75 HP 6 x 5 x 14 w/10.5 impeller (degasser feed pump)
- Two (2) mud mix hoppers
- One (1) surge tank for mixing mud and chemicals
- One (1) Swaco 4 panel mud cleaner w/desander 2 cone (2 x 12); desilter 14 cone
- Five (5) agitators, dual paddle agitators for 8' tanks as per below
- Two (2) 10 HP
- One (1) 15 HP
- Two (2) 20 HP

Mud Pumps
- Two (2) JN-TFI 1,600 HP triplex single acting mud pumps each powered by two (2) 1,000 HP, (shunt) belt driven electric motors

Each pump is equipped with:
- Super charge centrifugal pump (2500SB6x5-12) 50 HP, 1750RPM, 780 gpm
- 12" flanged manifold with 6" intake for charge pump and 5" outtake and pulsation dampeners
- Rod oiler and washer pumps
- 12" stroke, liners from 7" to 5", 120 SPM, 738 gpm displacement @ 5000 psi max pressure
- To be fully dressed with conventional liners and sizes to custom specified sizes

Note: Spartan Offshore will provide one (1) size liner for mud pumps. Operator to designate size prior to rig mobilization. The pumps shall be operated at a maximum of 85% of manufacturer's stroke and pressure rating when operating on a continuous basis.

Rotary
- JN, 37.5" (TFI375-37 1/2) minimum bore driven by drawworks power
- One (1) Varco kelly (pin drive) bushing complete with assembly for 5-1/4" Hex kelly with guide skirt
- One (1) master bushing and split bowl

Top Drive
TESCO hydraulically driven top drive, either 500 or 650 ton, powered by its own diesel driven powered power pack (optional)

Swivel
National Model 1324, 500 ton, with 6-5/8" API regular left hand pin, down

Mouse Hole
Rat hole, 8" x 32'

Kelly
One (1) 5-1/4" hex kelly with 6-5/8" regular API LH box thread 40" long with 4-1/2" XH bottom connection (with pin drive bushing)

Kelly Hose
Two (2) Kelly/rotary hoses, 7,500 psi WP, with 3.5" x 75" w/4" connections

Kelly Valve
One (1) OMSCO upper kelly valve, 6-5/8" 5,000 lbs. test pressure, single piece valve

Air Tuggers
- Two (2) Ingersoll Rand or equal, 5KU units
- One (1) Ingersoll Rand or equal, man rider unit
- Two (2) KU500 double drum hoists for the Texas Deck
- Two (2) Ingersoll Rand or equal, 5KU units for BOP handling

Handling Tools
- One (1) set Web Wilson bails, 2-3/4" x 108" long, 350-ton or equivalent
- One (1) set DU long slips
- One (1) set of J29 Spinner Hawks tongs for 5" drill pipe
- One (1) set shorty type “C” tongs for 5" drill pipe w/jaws
- Two (2) sets GG 350T elevators for 5" drill pipe
- One (1) set each, drill collar clamps for 6" collars and for 8" collars
- One (1) drill collar slips, 6" and one (1) 8"
### Wire Line and Survey
- One (1) Mathey survey/wire line unit, 25,000 ft. of .092 wire
- One (1) Go Devil survey kit for use with wire line

### Hydraulic Power Pack
- One (1) self contained power unit with two (2) 60 HP electric motors each with a high volume gear type hydraulic pump rated for 3,500 psi operation

### Power Generation and Distribution
- Hull (Ship’s Service):
  - Two (2) each EMD 12-567 diesel engines each driving a 750 KW x 480 volt generator
  - One (1) 150 KW emergency generator powered by a Lister diesel engine
  - One (1) each 480/120 volt distribution panel

- Rig Package:
  - Four (4) each Caterpillar C-27 diesel engines each driving an 850 KW x 600 volt generator
  - One (1) each 600 volt, 4 bridge SCR with generator controls and synchronization
  - One (1) each 480/120 volt distribution panel

### Instrumentation
- Weight indicator, driller’s console, tong torque indicator, pump pressure gauge, pump strokes, rotary RPM, gain/loss indicator, air purge, type EB, deadline anchor (All have H2S trim)

### BOP Equipment
- Diverter: 21-1/4” with hydraulic control valves and over board lines 2000 psi (over board lines to be recharged per contract provisions)
- Annular: 13-5/8” Hydrol type GK; 5,000 psi
- Single: 13-5/8” Cameron type U; 10,000 psi
- Double: 13-5/8” Cameron type U; 10,000 psi
- Gate Valves:
  - Two (2) 3-1/16” Cameron type F; 10,000 psi
  - Two (2) 3-1/16” Cameron HCR; 10,000 psi
- Accumulator: Koomey (or similar), 280 gallon, 7 station, with nitrogen backup, 3,000 psi; BOP closing unit with two (2) remote control stations
- Hydraulic Choke: Swaco adjustable super choke
- Actuator Hoses: Fourteen (14) 1” x 50’; 5,000 psi stainless flex hoses
- Choke and Kill Manifold: Skid mounted 10,000 psi working pressure 3-1/16” choke manifolded to a 48” vertical gas buster and one (1) manual adjusting choke valve and one (1) hydraulic adjusting choke valve
- Choke and Kill Hoses: One (1) choke and one (1) kill line 3” SS armored w/ 3-1/16 10M flanges x 45’
- Chicksan Loops: Three (3) 2” 15M, Code Red Chicksan swings
- TIW Valves: Three (3) TIW Valves 4-1/2” IF
- Inside BOP: Two (2) inside BOP 4-1/2” IF
- Texas Deck: One (1) hanging type, suspended from drillfloor, BOP work platform

### Note
Contractor will provide the initial size rams for contractor supplied drill pipe and one (1) set of shear rams. All replacement BOP rubber goods shall be recharged per contract.

### Quarters
- 52-person air-conditioned quarters complete with galley, mess hall, recreation room, hospital room, bath facilities, change room, laundry and state rooms and office for rig manager and operator’s representatives. Additional capacity via portable bunk house building.

### Heliport
- 60’ x 60’ designed for Sikorsky S-61 loading

### Cranes
- One (1) Unit 650 with 100’ boom, rated at 35 tons at 24 feet
- One (1) American Aero, OM 450 with 100’ boom, rated at 30 tons at 30 feet

### Life Saving and Fire Protection
- Two (2) 28-person Davit Launched life capsules/boats
- Four (4) 25-person Davit Launched inflatable life rafts
- All other United States Coast Guard (USCG) required personal flotation devices, work vests, ring buoys, smoke and light signals on board

### Weather Instrumentation
- Wind speed
- Barometer
- Wind direction

### Tubulars/ Drill String
- Drill pipe: 12,000 ft. of S-135 x 5” premium drill pipe
- All other tubulars are for operator’s account

### BHA:
- Nine (9) 8” drill collars with 6-5/8” reg. connections
- Nine (9) 6.5” drill collars with 4.5” XH connections
- Thirty (30) joints of 5” HW drill pipe with 4.5” IF connections

### Subs:
- One (1) 7-5/8” reg. box to 6-5/8” bit sub, bored for float
- One (1) 6-5/8” reg. box to 6-5/8” reg. box, bored for float
- One (1) 7-5/8” reg. box to 4-1/2” XO box bit sub, bored for float
- One (1) 6-5/8” reg. box to 4-1/2” XO box bit sub, bored for float
- One (1) 6-5/8” reg. pin to 4-1/2” IF box, X-over sub
- One (1) 4-1/2” XO to 4-1/2” IF box, X-over sub
- One (1) 4-1/2” IF side door sub with 1502 FM union half
- One (1) 4-1/2” IF pump in sub with 1502 FM union half

### Satellite Communications
- Direct TV service in the company man and tool pusher state rooms, recreation room and rig office

### Rig Communication System:
- 24-station, Gal-tronics inter-rig system and VHF marine radio

### Spartan Offshore Drilling, LLC
3850 N. Causeway Boulevard, Suite 1160
Metairie, Louisiana 70002
504.885.7449