Revision Date: September 2016

These specifications are intended for general reference purpose only and shall not be contractually binding. Contractor reserves the right to change these specifications at any time without prior notice. All equipment shall be operated and maintained in line with Vantage guidelines and within the limits of OEM specifications.
9½" Drill collars—8 stands x 135 ft (992 ft)
13½" casing—35 stands x 135 ft (4,725 ft) or,
9½" casing—54 stands x 135 ft (7,290 ft) or,
7½" liner—91 stands x 135 ft (12,285 ft)
1 x AKMH Wirth GH 4500-EG-AC electric motor driven 4,500 hp,
hydraulically driven, 20 rpm, 1,000 ton capacity
1 x AKMH Wirth RTSS 60¾",
1 x AKMH 1899 MKII Iron Roughneck for Well Center Operations, 2 ¾" to 9 ¾"
1 x AKMH model DDM-1000-AC-2M, 1,000 tons hoisting capacity, AC motor driven, 87,020 ft lbs max continuous torque, 94,395 ft lbs intermittent, 0 - 240 max rpm, 2 x 1150 hp AC motors

**Tubular Handling Capabilities**

**Pipe Feeding Machine**
1 x AKMH Tubular Feeding Machine, SWL 15 MT, 2-7/8" to 30", suitable for handling 45 ft tubular

**Pipe Rackers**
2 x AMH Bridge Racking cranes, Lower Guiding Arms, each 15 MT, 3 ½" to 13 ½"

**Riser Feeding Machine**
1 X AKMH Riser Feeding Machine, SWL 40 MT, 2-7/8" to 54", suitable for handling 83 ft tubular

**Manipulator Arm**
1 x AKMH Drill Floor Manipulator arm, 3 ½" to 60".

**Pipe Deck Handling Crane**
1 x AKMH PDPH, SWL 4.5 MT to 9 MT, 2 ¾" to 20".

**Offline Capabilities**

**Offline Stand Building**
1 x AKMH Stand building arm for offline tubular handling lifting capacity of 6.4 MT, 15 ft to 45 ft tubular, 2 ¾" to 13 ½"

**Offline Roughneck**
1 x AKMH Torque Master for tubular range 2 ¾" to 20" for offline operations.

**Offline Mouseholes**
2 x AKMH Hydraulic Mousehole for up to 13 ½"

**Offline Bucking Unit**
1 x McCoy Clincher Bucking Machine RP3014, Headstock – 3 ½" to 13 ½", Tailstock – 3 ½" to 17 ½", Make-up torque 160K ft-lbs; Break-out Torque 190K ft-lbs

**Handling Systems**

**Deck Cranes**
- 3 x Liebherr model BOS 4200-85, 85 mt max load at 9 m radius & 32.7 mt at 46 m radius (static), Auxiliary hook 15 mt max load at 51 m radius
- 1 x Liebherr model BOS 4200-50, 50 mt max load at 9 m radius & 34.2 mt at 46 m radius (static), Auxiliary hook 15 mt max load at 51 m radius

**Riser Gantry Crane**
1 x AKMH Riser Gantry Crane, SWL 40 MT

**BOP Handling**
1 x AKMH BOP Trolley, SWL 460 MT
2 x AKMH LMRP Overhead Gantry Crane, each SWL 75 MT

**Xmas Tree Handling**
1 x AKMH Xmas Tree Trolley, SWL 150 MT

**Well Control Equipment**

**Blowout Preventer**
1 x Cameron BOP, 18¼" x 15,000 psi, 5 x ram cavities (2 x Type TL doubles, 1 x TL Singles), 1 x Type DL, 18 ¼", 10,000 psi annular preventer

**LMRP**
1 x Cameron Type DL, 18 ¼", 10,000 psi annular preventer

**Diverter**
1 x Hydrid 60½" 500 psi with 16" diverter lines, 16" flow line, 16" Mud Gas separator line, 6" trip tank line, 4" fill up line. 21" nominal bore.

**BOP Control System**
Cameron Multiplex (MUX) BOP Control System for up to 10,000 ft water depth capability

**C & K Manifold**
1 x WOM, API 16C 3½" 15k HP side / 4½" 10k LP side, 2 manual chokes, 2 remote chokes, double 15K isolation valves, Glycol Injection unit. Spilt Buffer system, Bypass Line, Port/Stbd emergency overboard line

**Riser Equipment**

**Riser**
21" Aker Kvaerner CLIP riser w/ 15k psi, 4.5" ID Choke and Kill lines, 5k psi, 4" ID booster line, 2 x 5K psi 3.5" ID hydraulic lines

**Riser Tensioning**
8 x AKMH Dual wire line tensioner, 3,200,000 lbs combined capacity with a maximum net effective stroke of 12.5 ft.
- 1 x AKMH Crown Mounted Compensator, rated at 908mt / 2000 kips (static) and 454mt / 1000kips (Compensation) with a 25 ft stroke
- 1 x AKMH Active Heave Compensator, rated at 25.6mt with a 25 ft stroke

**Motion Compensators**

**Power Generation**

**Main Engines**
6 x STX MAN 14V32/40 diesel engines, 7,000 kW @ 720 rpm c/w HHI

**Emergency Engines**
1 x STX MAN B&W diesel engine, 2,100Kw at 720 rpm c/w HHI Electric Generator

**Station Keeping & Propulsion System**

**DP Control System Thrusters**
GE Convertream, DPS32- JJS 6 x 4.6 MW Rolls Royce Ulstein Aquamaster UUC 405 Azimuth (81.8 mt thrust nominal), variable speed, fixed pitch, fully azimuthing

**Life Saving Systems**

**Lifeboats**
6 x Norsafe, 60 man TEMSPC, davit launched lifeboats (200 % of POB)
1 x Vanguard, FRC, 6 man
18 x 25 man Viking 25DK - inflatable life rafts (250% of POB)

**Drill Pipes & Fishing Equipment**

**Drill Pipes**
Various, details available on request

**Fishing Equipment**
Various, suitable to fish for Contractor’s drill pipes