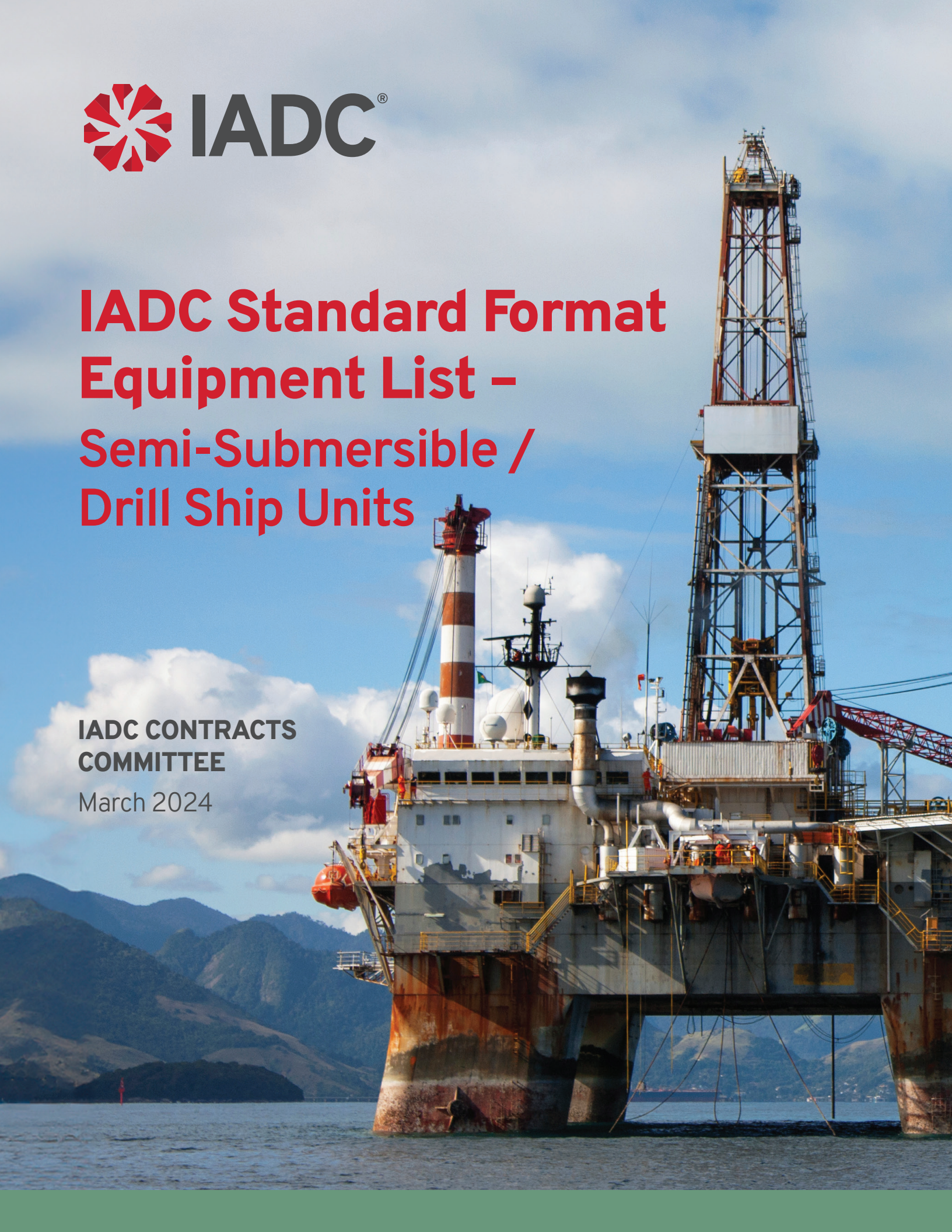




IADC Standard Format Equipment List - Semi-Submersible / Drill Ship Units

**IADC CONTRACTS
COMMITTEE**

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About the IADC Standard Format Equipment List – Semi-Submersible / Drill Ship Units

The IADC Standard Format Equipment List has been developed to provide a comprehensive summary of all relevant items of equipment and to streamline the tender process for both contractor and operators.

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INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS
STANDARD FORMAT EQUIPMENT LIST
SEMI-SUBMERSIBLE / DRILL SHIP UNITS

INSTRUCTIONS: The Standard Format Equipment List has been developed to provide a comprehensive summary of all relevant items of equipment and to streamline the tender process for both contractor and operator. In order to obtain maximum efficiency, users are advised to maintain the precise order of the format and to request/provide any additional information on specific equipment as an addendum, referring to the appropriate section number.

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SECTION R - CAPPING OPERATION (BLOW OUT COLLECTOR)

- R1 Surface Equipment

| A. UNIT SPECIFICATIONS | IMPERIAL | | IMPERIAL | COMMENTS 2024 |
|---|----------|--|----------|---------------|
| Rig Type : | | | | |
| Harsh Environment : | yes/no | | yes/no | |
| Unit/Design/Shape : | | | | |
| Unit Flag : | | | | |
| Unit Classification : | | | | |
| Date of last Special survey (dry dock) : | | | | |
| Date of next Special survey (dry dock) : | | | | |
| Date of last UWILD survey : | | | | |
| Date of next UWILD survey : | | | | |
| IMO Certification : | | | | |
| Which code version : | | | | |
| Year of Construction : | | | | |
| Construction Yard : | | | | |
| Type of Positioning system (anchor/dp/combined) : | | | | |
| A.1 MAIN DIMENSIONS/TECHNICAL DESCRIPTION | | | | |
| Weight (light ship) : | lt | | mt | |
| Displacement at loadline : | lt | | mt | |
| Drilling Displacement : | lt | | mt | |
| Drilling Draft : | ft | | m | |
| Survival Displacement : | lt | | mt | |
| Survival Draft : | ft | | m | |
| Transit Displacement : | lt | | mt | |
| Transit Draft : | ft | | m | |
| Overall length of unit (including anchor racks) : | ft | | m | |
| Overall width of unit (including anchor racks) : | ft | | m | |
| Main deck length : | ft | | m | |
| Main deck width : | ft | | m | |
| Main deck elevation above baseline : | ft | | m | |
| Moon pool dimensions : | ft x ft | | m x m | |
| Pontoon length : | ft | | m | |
| Pontoon breadth : | ft | | m | |
| Pontoon height : | ft | | m | |
| Number of main columns/diameter : | no. x ft | | no. x m | |
| Number of small columns/diameter : | no. x ft | | no. x m | |
| Maximum Substructure/Rotary Load : | lb/lb | | kg/kg | |
| Maximum opening through spider deck : | ft x ft | | m x m | |
| Fuel Consumption (drilling) : | bbl/day | | m3/day | |
| Fuel Consumption (Transit) : | bbl/day | | m3/day | |
| Production of Fresh Water/Day : | bbl | | m3 | |
| Accommodation for max. no. of personnel : | | | | |
| A.2 STORAGE CAPACITIES | | | | |
| Fuel : | bbl | | m3 | |
| Drilling water : | bbl | | m3 | |
| Potable water : | bbl | | m3 | |
| Active liquid mud : | bbl | | m3 | |
| Mud processing tank : | bbl | | m3 | |
| Reserve liquid mud : | bbl | | m3 | |
| Bulk bentonite/barite : | ft3 | | m3 | |
| Bulk cement : | ft3 | | m3 | |
| Sack storage : | sacks | | sacks | |
| Deck Area : | sq ft | | sq m | |
| Deck Loading : | psf | | kg/m2 | |
| Pipe racks area : | ft2 | | m2 | |
| Load bearing capacity : | lb/ft2 | | kg/m2 | |
| Riser racks area : | ft2 | | m2 | |
| Load bearing capacity : | lb/ft2 | | kg/m2 | |
| Miscellaneous storage area : | ft2 | | m2 | |
| Brine storage : | bbl | | m3 | |
| Heavy brine accepted (e.g. bromide) : | yes/no | | yes/no | |
| Base oil storage : | bbl | | m3 | |
| Oil base mud storage : | bbl | | m3 | |
| Ballast system (or preload) : | bbl | | m3 | |
| Lube Oil (for Contractor) : | bbl | | m3 | |
| A.3 PROPULSION/THRUSTERS | | | | |
| A.3.1 Thrusters | | | | |
| Quantity : | no. | | no. | |
| Fixed/azimuthing : | | | | |
| Motors per thruster : | no. | | no. | |
| Make/type motors : | | | | |
| Variable frequency drives (VFD) : | no. | | no. | |
| Total HP per thruster : | hp | | hp | |
| Propeller type (fixed/variable blade) : | | | | |
| Nozzled : | yes/no | | yes/no | |
| A.3.2 Dynamic Positioning | | | | |
| Make/Model : | | | | |
| Full DP or Mooring Assist : | | | | |
| DP Class (2 or 3) : | | | | |
| Gyros Make/Model : | | | | |

| | | | | COMMENTS 2024 |
|---|-----|---------|---------|---------------|
| Wind Sensors Make/Model : | | | | |
| Wind Sensors : | no. | | no. | |
| Motion Reference Unit (MRU) Make/Model : | | | | |
| Motion Reference Unit (MRU) : | no. | | no. | |
| Position Reference Unit Make/Model : | | | | |
| Position Reference System : | no. | | no. | |
| Inertial System Make/Model : | | | | |
| Inertial System : | no. | | no. | |
| Hydro-Acoustic PRS Make/Model : | | | | |
| Hydro-Acoustic PRS : | no. | | no. | |
| Transponders : | no. | | no. | |
| Electric Riser Angle (ERA) Make/Model: | | | | |
| Acoustic Riser Angle (ARA) Make/Model: | | | | |
| Riser Management System (RMS) Make/Model: | | | | |
| A.4 OPERATIONAL CAPABILITIES | | | | |
| | | ft | m | |
| Outfitted max. water depth capability : | | ft | m | |
| Normal min. water depth capability : | | ft | m | |
| Designed max. water depth capability : | | ft | m | |
| Drilling depth capability (rated) : | | ft | m | |
| Transit speed towed (historical avg) : | | knots | knots | |
| Transit speed self propelled (historical avg) : | | knots | knots | |
| A.5 VARIABLE LOADING (VL) | | | | |
| Transit VL : | | lt | mt | |
| Drilling VL : | | lt | mt | |
| Survival VL : | | lt | mt | |
| A.6 ENVIRONMENTAL LIMITS | | | | |
| Drilling | | | | |
| Air gap (below main deck) : | | ft | m | |
| Max. wave height : | | ft | m | |
| Max. wave period : | | sec | sec | |
| Max. wind velocity : | | knots | knots | |
| Max. current velocity : | | knots | knots | |
| Max. heave (double amplitude) : | | ft | m | |
| Max. pitch (double amplitude) : | | degrees | degrees | |
| Max. roll (double amplitude) : | | degrees | degrees | |
| Survival | | | | |
| Air gap (below main deck) : | | ft | m | |
| Max. wave height : | | ft | m | |
| Max. wave period : | | sec | sec | |
| Max. wind velocity : | | knots | knots | |
| Max. current velocity : | | knots | knots | |
| Max. heave (double amplitude) : | | ft | m | |
| Max. pitch (double amplitude) : | | degrees | degrees | |
| Max. roll (double amplitude) : | | degrees | degrees | |
| Transit | | | | |
| Air gap (below main deck) : | | ft | m | |
| Max. wave height : | | ft | m | |
| Max. wave period : | | sec | sec | |
| Max. wind velocity : | | knots | knots | |
| Max. current velocity : | | knots | knots | |
| Max. heave (double amplitude) : | | ft | m | |
| Max. pitch (double amplitude) : | | degrees | degrees | |
| Max. roll (double amplitude) : | | degrees | degrees | |
| A.7 MOORING SYSTEM | | | | |
| A.7.1 Anchor Wines | | | | |
| Quantity : | | no. | no. | |
| Make/Model : | | | | |
| Type (electric/hydraulic) : | | | | |
| Motors per win : | | no. | no. | |
| Motor make/type : | | | | |
| Total HP per win : | | hp | hp | |
| Rated pull : | | lt | mt | |
| Speed low gear : | | ft/min | m/min | |
| Test load : | | lt | mt | |
| Control locations (local/remote/both) : | | | | |
| Emergency release (type/location) : | | | | |
| Auto load Control Capability: | | yes/no | yes/no | |
| DP Assist Capability: | | yes/no | yes/no | |
| A.7.2 Fairleads | | | | |
| Quantity : | | no. | no. | |
| Make : | | | | |
| Free rotating range : | | degrees | degrees | |
| A.7.3 Anchors | | | | |
| A.7.3.1 Anchors - Primary | | | | |

| | | | | COMMENTS 2024 |
|---|-----------------|--|-----------------|---------------|
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Weight : | lt | | mt | |
| A.7.3.2 Anchors - Spare | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Weight : | lt | | mt | |
| A.7.4 Anchor Lines | | | | |
| Wire | | | | |
| Quantity (installed/spare) : | no. | | no. | |
| Make/Type : | | | | |
| Specification : | | | | |
| Diameter : | in | | mm | |
| Weight per unit length : | lb/ft | | kg/m | |
| Useful length (nominal) : | ft | | m | |
| Classification : | | | | |
| Breaking strength : | lt | | mt | |
| Chain | | | | |
| Quantity (installed/spare) : | no. | | no. | |
| Make/Type : | | | | |
| Specification : | | | | |
| Diameter : | in | | mm | |
| Weight per unit length : | lb/ft | | kg/m | |
| Useful length (nominal) : | ft | | m | |
| Classification : | | | | |
| Breaking strength : | lt | | mt | |
| A.7.5 Anchor Line Running & Retrieval System | | | | |
| Primary type (pennant-buoy or chaser) : | | | | |
| A.7.5.1 Pennant Lines | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Length : | ft | | m | |
| Diameter : | in | | mm | |
| A.7.5.2 Anchor Buoys | | | | |
| Quantity : | no. | | no. | |
| Volume each : | ft ³ | | m ³ | |
| Type : | | | | |
| Foam filled : | yes/no | | yes/no | |
| A.7.5.3 Chaser | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| A.7.6 Towing Gear | | | | |
| Towing bridle size : | in | | mm | |
| Hook-up system : | | | | |
| Rating : | lt | | mt | |
| Power required for infield tow : | bollard pull lt | | bollard pull mt | |
| Power required for ocean tow : | bollard pull lt | | bollard pull mt | |
| Spare bridle : | yes/no | | yes/no | |
| A.8 MARINE LOADING HOSES | | | | |
| Manifold Location (Port / Stbd / both) : | | | | |
| Floated (yes/no) : | yes/no | | yes/no | |
| Weak link (yes/no) : | yes/no | | yes/no | |
| Break-away coupling (yes/no) : | yes/no | | yes/no | |
| A.8.1 Potable Water Hose | | | | |
| Quantity : | no. | | no. | |
| Size (dia.) : | in | | mm | |
| Make/Type : | | | | |
| Color coding : | yes/no | | yes/no | |
| Make/Type connection : | | | | |
| A.8.2 Drilling Water Hose | | | | |
| Quantity : | no. | | no. | |
| Size (dia.) : | in | | mm | |
| Make/Type : | | | | |
| Color coding : | yes/no | | yes/no | |
| Make/Type connection : | | | | |

| | | | | COMMENTS 2024 |
|--|----------------|--|--------------|---------------|
| A.8.3 Fuel Oil Hose | | | | |
| Quantity : | no. | | no. | |
| Size (dia.) : | in | | mm | |
| Make/Type : | | | | |
| Color coding : | yes/no | | yes/no | |
| Make/Type connection : | | | | |
| A.8.4 Mud Hose | | | | |
| Quantity : | no. | | no. | |
| Size (dia.) : | in | | mm | |
| Make/Type : | | | | |
| Color coding : | yes/no | | yes/no | |
| Make/Type connection : | | | | |
| A.8.5 Cement/Barite Hose | | | | |
| Quantity : | no. | | no. | |
| Size (dia.) : | in | | mm | |
| Make/Type : | | | | |
| Color coding : | yes/no | | yes/no | |
| Make/Type connection : | | | | |
| A.8.6 Base Oil Hose | | | | |
| Quantity : | no. | | no. | |
| Size (dia.) : | in | | mm | |
| Make/Type : | | | | |
| Color coding : | yes/no | | yes/no | |
| Make/Type connection : | | | | |
| A.8.7 Brine Hose | | | | |
| Quantity : | no. | | no. | |
| Size (dia.) : | in | | mm | |
| Make/Type : | | | | |
| Color coding : | yes/no | | yes/no | |
| Make/Type connection : | | | | |
| A. 9 CRANES, HOISTS, AND MATERIALS HANDLING | | | | |
| A. 9.1 Cranes Main | | | | |
| Quantity : | no. | | no. | |
| Specification (API, etc.) : | | | | |
| Make : | | | | |
| Type : | | | | |
| Location (stbd, port, aft, frwd) : | | | | |
| Boom length : | ft | | m | |
| Hook reach below main deck (block/whip) : | ft/ft | | m/m | |
| Block capacities and hoisting speeds | | | | |
| Load/radius/speed (minimum radius) : | lt/ft/(ft/sec) | | mt/m/(m/sec) | |
| Load/radius/speed (maximum radius) : | lt/ft/(ft/sec) | | mt/m/(m/sec) | |
| Whip capacity/hoist speed (ld/rad./spd) : | lt/ft/(ft/sec) | | mt/m/(m/sec) | |
| Hook load indicator automatically corrected | | | | |
| for boom angle : | yes/no | | yes/no | |
| Alarm (audible, visual, both) : | | | | |
| Automatic brake : | yes/no | | yes/no | |
| Safety latch on hooks : | yes/no | | yes/no | |
| Crown saver (limit switch) : | yes/no | | yes/no | |
| Boom illumination : | yes/no | | yes/no | |
| Approved for personnel transfer : | yes/no | | yes/no | |
| Baskets for personnel transfer : | no. | | no. | |
| Boom Camera | yes/no | | yes/no | |
| A. 9.2 Cranes Other | | | | |
| Quantity : | no. | | no. | |
| Specification (API, etc.) : | | | | |
| Make : | | | | |
| Type : | | | | |
| Location (stbd, port, aft, frwd) : | | | | |
| Boom length : | ft | | m | |
| Hook reach below main deck (block/whip) : | ft/ft | | m/m | |
| Block capacities and hoisting speeds | | | | |
| Load/radius/speed (minimum radius) : | lt/ft/(ft/sec) | | mt/m/(m/sec) | |
| Load/radius/speed (maximum radius) : | lt/ft/(ft/sec) | | mt/m/(m/sec) | |
| Whip capacity/hoist speed (ld/rad./spd) : | lt/ft/(ft/sec) | | mt/m/(m/sec) | |
| Hook load indicator automatically corrected | | | | |
| for boom angle : | yes/no | | yes/no | |
| Alarm (audible, visual, both) : | | | | |
| Automatic brake : | yes/no | | yes/no | |
| Safety latch on hooks : | yes/no | | yes/no | |
| Crown saver (limit switch) : | yes/no | | yes/no | |
| Boom illumination : | yes/no | | yes/no | |
| Baskets for personnel transfer : | no. | | no. | |
| Boom Camera | yes/no | | yes/no | |

| A. 9.3 Forklifts | | | | COMMENTS 2024 |
|---|--------|--|--------|---------------|
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Rated capacity : | lt | | mt | |
| Explosion proof : | yes/no | | yes/no | |
| A. 9.4 Monorail Overhead Cranes (Trolley Beam) | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Rated capacity : | lt | | mt | |
| Location : | | | | |
| A. 9.5 BOP Handling System | | | | |
| Make/Type : | | | | |
| Rated capacity : | lt | | mt | |
| A. 9.5.1 BOP Transport Cart | | | | |
| Make/Type : | | | | |
| Rated capacity : | lt | | mt | |
| A. 9.5.2 Trip Saver (Skid) | | | | |
| Make/Type : | | | | |
| Rated capacity : | lt | | mt | |
| A. 9.6 Air Hoists/Derrick Winches | | | | |
| A. 9.6.1 Rig Floor Wines (Non man-riding) | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Rated capacity : | lt | | mt | |
| Wire diameter : | in | | mm | |
| Supply type (hydraulic / pneumatic) : | | | | |
| Automatic brakes : | yes/no | | yes/no | |
| Overload protection : | yes/no | | yes/no | |
| Automatic spooling : | yes/no | | yes/no | |
| A. 9.6.2 Monkey Board Work Winch | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Rated capacity : | lt | | mt | |
| Wire diameter : | in | | mm | |
| Automatic brakes : | yes/no | | yes/no | |
| Overload protection : | yes/no | | yes/no | |
| A. 9.6.3 Rig Floor "Man-Riding" Winch | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Rated capacity : | lt | | mt | |
| Wire diameter : | in | | mm | |
| Non-twist wire : | yes/no | | yes/no | |
| Automatic brakes : | yes/no | | yes/no | |
| Overload protection : | yes/no | | yes/no | |
| Automatic spooling : | yes/no | | yes/no | |
| A. 9.6.4 Utility Winch (i.e. Deck Winch) | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Rated capacity : | lt | | mt | |
| Wire diameter : | in | | mm | |
| Automatic brakes : | yes/no | | yes/no | |
| Overload protection : | yes/no | | yes/no | |
| Automatic spooling : | yes/no | | yes/no | |
| Certified for man-riding : | yes/no | | yes/no | |
| A. 9.6.5 Cellar Deck Winch | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Rated capacity : | lt | | mt | |
| Wire diameter : | in | | mm | |
| Automatic brakes : | yes/no | | yes/no | |
| Overload protection : | yes/no | | yes/no | |
| Automatic spooling : | yes/no | | yes/no | |
| Certified for man-riding : | yes/no | | yes/no | |

| A.10 HELICOPTER LANDING DECK | | | | COMMENTS 2024 |
|--|---------------------------------|--|---------------------------------|---------------|
| Meets CAP-437 : | yes/no | | yes/no | |
| CAP-437 edition : | | | | |
| Location : | | | | |
| Dimensions : | ft x ft | | m x m | |
| Perimeter safety net : | yes/no | | yes/no | |
| Load capacity : | lt | | mt | |
| Designed for helicopter type : | | | | |
| Tie down points : | yes/no | | yes/no | |
| Covered by foam fire system : | yes/no | | yes/no | |
| Helideck lighting to aviation specification : | | | | |
| as required by area of operation : | yes/no | | yes/no | |
| A.10.1 Helicopter Refueling System | | | | |
| Fuel storage capacity : | U.S. gals | | l | |
| Jettisonable : | yes/no | | yes/no | |
| Fuel transport containers : | qty | | qty | |
| Volume (ea) : | U.S. gals | | l | |
| Covered by foam fire system : | yes/no | | yes/no | |
| A.11 AUXILIARY EQUIPMENT | | | | |
| A.11.1 Water Distillation | | | | |
| Potable Water : | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Capacity (each/total) : | ft3/day | | m3/day | |
| Non-potable Water : | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Capacity (each/total) : | ft3/day | | m3/day | |
| A.11.2 Boilers | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Capacity (total system) : | lb/hr | | kg/hr | |
| A.11.3 Air Conditioning | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Capacity (total system) : | tons | | tons | |
| A.11.4 Electric Welding Sets | | | | |
| Quantity : | no. | | no. | |
| Current capacity : | amp | | amp | |
| Make/Model : | | | | |
| Type : | fixed/portable | | fixed/portable | |
| A.11.5 High Pressure Cleaner | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Electric/pneumatic/diesel : | | | | |
| Max delivered pressure : | psi | | psi | |
| A.11.6 Explosives Storage | | | | |
| Location on rig | | | | |
| Jettisonable? | yes/no | | yes/no | |
| B. GENERAL RIG SPECIFICATIONS | | | | |
| B.1 DERRICK AND SUBSTRUCTURE | | | | |
| B.1.1 Derrick/Mast | | | | |
| Main | | | | |
| Make: | | | | |
| Type: | Conventional / Hydraulic / etc. | | Conventional / Hydraulic / etc. | |
| Model: | | | | |
| Rated for wind speed | | | | |
| With full set back : | knots | | knots | |
| With no set back : | knots | | knots | |
| Height : | ft | | m | |
| Dimensions of base : | ft x ft | | m x m | |
| Dimensions of crown : | ft x ft | | m x m | |
| Dimensions of water table: | ft x ft | | m x m | |
| Gross nominal capacity : | lt | | mt | |
| Dynamic load capacity : | lt | | mt | |
| Static load capacity : | lt | | mt | |
| Maximum simultaneous load capacity (Main/Aux hook loads) : | lt | | mt | |
| Maximum Number of lines : | no. | | no. | |
| Ladders with safety cages and rests : | yes/no | | yes/no | |

| | yes/no | | yes/no | COMMENTS 2024 |
|---|---------------------------------|--|---------------------------------|---------------|
| Platform for crown sheave access : | yes/no | | yes/no | |
| Counter balance, system for rig tongs and pipe spinning tong : | yes/no | | yes/no | |
| Lighting system explosion proof : | yes/no | | yes/no | |
| Clear working height to underside of water table: | ft | | m | |
| Height available from rotary table to below top drive : | ft | | m | |
| Offline activity capabilities (dual handling, dual derrick, etc.) | | | | |
| Gas vent line diameter : | OD / ID in | | OD / ID mm | |
| Derrick steelwork / bolting hot dip galvanized: | yes/no | | yes/no | |
| V-Door height (Max clearance) : | ft | | m | |
| Derrick Elevator : | yes/no | | yes/no | |
| Auxiliary | | | | |
| Make: | | | | |
| Type: | Conventional / Hydraulic / etc. | | Conventional / Hydraulic / etc. | |
| Model: | | | | |
| Rated for wind speed | | | | |
| With full set back : | knots | | knots | |
| With no set back : | knots | | knots | |
| Height : | ft | | m | |
| Dimensions of base : | ft x ft | | m x m | |
| Dimensions of crown : | ft x ft | | m x m | |
| Dimensions of water table: | ft x ft | | m x m | |
| Gross nominal capacity : | lt | | mt | |
| Dynamic load capacity : | lt | | mt | |
| Static load capacity : | lt | | mt | |
| Maximum simultaneous load capacity (Main/Aux hook loads) : | lt | | mt | |
| Maximum Number of lines : | no. | | no. | |
| Ladders with safety cages and rests : | yes/no | | yes/no | |
| Platform for crown sheave access : | yes/no | | yes/no | |
| Counter balance, system for rig tongs and pipe spinning tong : | yes/no | | yes/no | |
| Lighting system explosion proof : | yes/no | | yes/no | |
| Clear working height to underside of water table: | ft | | m | |
| Height available from rotary table to below top drive : | ft | | m | |
| Offline activity capabilities (dual handling, dual derrick, etc.) | | | | |
| Gas vent line diameter : | OD / ID in | | OD / ID mm | |
| Derrick steelwork / bolting hot dip galvanized: | yes/no | | yes/no | |
| V-Door height (Max clearance) : | ft | | m | |
| Derrick Elevator : | yes/no | | yes/no | |
| B.1.2 Racking Platform | | | | |
| Main | | | | |
| Make: | | | | |
| Type: | | | | |
| Maximum racking height: | # stands / ft | | # stands / m | |
| Racking platform capacity of 5 1/2" DP: | # stands / ft | | # stands / m | |
| Racking platform capacity of 5 7/8" DP: | # stands / ft | | # stands / m | |
| Racking platform capacity of 6 5/8" DP: | # stands / ft | | # stands / m | |
| Racking platform capacity of 6 3/4" DC: | # stands / ft | | # stands / m | |
| Racking platform capacity of 8" DC: | # stands / ft | | # stands / m | |
| Racking platform capacity of 9 1/2" DC: | # stands / ft | | # stands / m | |
| Racking platform capacity of 26", 22" or 20" Casing: | # stands / ft | | # stands / m | |
| Racking platform capacity of 16", 14", 13 5/8" or 13 3/8" Casing: | # stands / ft | | # stands / m | |
| Racking platform capacity of 11 3/4", 10 3/4", 9 7/8", 9 5/8" or 7" Casing: | # stands / ft | | # stands / m | |
| Racking platform capacity of 6 5/8" Drill Pipe Riser: | # stands / ft | | # stands / m | |
| Racking platform capacity of 7" or 3 1/2" Production String: | # stands / ft | | # stands / m | |
| Racking platform capacity of Drilling BHA: | # stands / ft | | # stands / m | |
| Racking platform capacity of other equipment (description): | # stands / ft | | # stands / m | |
| Fingerboard latch system : | yes/no | | yes/no | |
| Auxiliary | | | | |
| Make: | | | | |
| Type: | | | | |
| Maximum racking height: | # stands / ft | | # stands / m | |
| Racking platform capacity of 5 1/2" DP: | # stands / ft | | # stands / m | |
| Racking platform capacity of 5 7/8" DP: | # stands / ft | | # stands / m | |
| Racking platform capacity of 6 5/8" DP: | # stands / ft | | # stands / m | |
| Racking platform capacity of 6 3/4" DC: | # stands / ft | | # stands / m | |
| Racking platform capacity of 8" DC: | # stands / ft | | # stands / m | |
| Racking platform capacity of 9 1/2" DC: | # stands / ft | | # stands / m | |
| Racking platform capacity of 26", 22" or 20" Casing: | # stands / ft | | # stands / m | |
| Racking platform capacity of 16", 14", 13 5/8" or 13 3/8" Casing: | # stands / ft | | # stands / m | |
| Racking platform capacity of 11 3/4", 10 3/4", 9 7/8", 9 5/8" or 7" Casing: | # stands / ft | | # stands / m | |
| Racking platform capacity of 6 5/8" Drill Pipe Riser: | # stands / ft | | # stands / m | |
| Racking platform capacity of 7" or 3 1/2" Production String: | # stands / ft | | # stands / m | |
| Racking platform capacity of Drilling BHA: | # stands / ft | | # stands / m | |
| Racking platform capacity of other equipment (description): | # stands / ft | | # stands / m | |
| Fingerboard latch system : | yes/no | | yes/no | |
| B.1.3 Racking Arm | | | | |
| Main | | | | |
| Make: | | | | |
| Type: | | | | |
| Quantity: | no | | no | |
| Racking or automatic racking system and rig floor automation : | yes/no | | yes/no | |
| Describe limitations : | text | | text | |

| | | | |
|---|--------------|--------------|----------------------|
| Max diameter : | in | mm | COMMENTS 2024 |
| Max stand weight : | lb | kg | |
| Usable with non mag steel : | yes/no | yes/no | |
| Auxiliary | | | |
| Make: | | | |
| Type: | | | |
| Quantity: | no. | no. | |
| Racking or automatic racking system and rig floor automation : | yes/no | yes/no | |
| Describe limitations : | text | text | |
| Max diameter : | in | mm | |
| Max stand weight : | lb | kg | |
| Usable with non mag steel : | yes/no | yes/no | |
| B.1.4 Casing Stabbing Board | | | |
| Make: | | | |
| Type: | | | |
| Adjustable from/to height above rotary (upper racking platform) : | ft/ft | m/m | |
| Adjustable from/to height above rotary (lower racking platform) : | ft/ft | m/m | |
| B.1.5 Substructure | | | |
| Main | | | |
| Dual Derrick / Dual Activity | yes/no | yes/no | |
| Make: | | | |
| Type: | | | |
| Height (above main deck) : | ft | m | |
| Length : | ft | m | |
| Width : | ft | m | |
| Setback capacity : | lt | lt | |
| Simultaneous setback + hook load capacity : | lt + lt | lt + lt | |
| Clear height below rotary table beams : | ft | m | |
| Set back allowance during field moves: | max load ton | max load ton | |
| Hook load : | max load ton | max load ton | |
| Pipe setback load: | max load ton | max load ton | |
| Riser setback load: | max load ton | max load ton | |
| Rotary hang off : | max load ton | max load ton | |
| Riser tension: | max load ton | max load ton | |
| Auxiliary | | | |
| Make: | | | |
| Type: | | | |
| Height (above main deck) : | ft | m | |
| Length : | ft | m | |
| Width : | ft | m | |
| Setback capacity : | lt | lt | |
| Simultaneous setback + hook load capacity : | lt + lt | lt + lt | |
| Clear height below rotary table beams : | ft | m | |
| Set back allowance during field moves: | max load ton | max load ton | |
| Hook load : | max load ton | max load ton | |
| Pipe setback load: | max load ton | max load ton | |
| Rotary hang off : | max load ton | max load ton | |
| Riser tension: | max load ton | max load ton | |
| B.1.6 Weather Proofing / Winterization | | | |
| Rig floor windbreaks height : | ft | m | |
| Derrickman windbreaks height : | ft | m | |
| Totally enclosed rig floor : | yes/no | yes/no | |
| Totally enclosed derrick/crown : | yes/no | yes/no | |
| Pipe heat tracing : | yes/no | yes/no | |
| B.1.7 Derrick TV Camera System | | | |
| Camera located at : | | | |
| Make: | | | |
| Type: | | | |
| Zoom/Pan/Tilt-function : | yes/no | yes/no | |
| Monitor located at : | | | |
| Remoted accessed: | yes/no | yes/no | |
| B.1.8 Derrickman's Escape System | | | |
| Model : | | | |
| Type : | | | |
| Capacity: | lb | kg | |
| Manufacturer: | | | |
| B.2 DRAWWORKS AND ASSOCIATED EQUIPMENT | | | |
| B.2.1 Drawworks / Cylinder Hoisting System | | | |
| Main | | | |
| Dual drawworks capacity : | yes/no | yes/no | |
| Make: | | | |
| Type: | | | |
| Dimensions (L x W x H): | in | mm | |
| Weight: | lt | mt | |
| Hoisting Capacity : | lt | mt | |

| | | | hp | | kW | COMMENTS 2024 |
|------------------------------------|--------|--|----|--|--------|---------------|
| Drawworks installed power : | | | | | | |
| Maximum line pull: | | | | | | |
| 1st gear : | lt | | | | mt | |
| 2nd gear : | lt | | | | mt | |
| 3rd gear: | lt | | | | mt | |
| 4th gear / ADS: | lt | | | | mt | |
| Fast line pull : | lt | | | | mt | |
| Fastline stabiliser system: | | | | | | |
| Manufacturer : | | | | | | |
| Model: | | | | | | |
| Type: | | | | | | |
| Drawworks Drum: | | | | | | |
| Drum diameter : | in | | | | mm | |
| Drum capacity: | ft | | | | m | |
| Wire diameter : | in | | | | mm | |
| Spinning cathead type : | | | | | | |
| Breakout cathead type : | | | | | | |
| Crown block safety device: | yes/no | | | | yes/no | |
| Make/Type : | | | | | | |
| Selectable ram hoisting: | yes/no | | | | yes/no | |
| Maximum rams per tower: | no. | | | | no. | |
| Hoisting capacity with 2 rams: | | | | | | |
| Low speed: | | | | | | |
| High speed: | | | | | | |
| Boost mode: | | | | | | |
| Hoisting capacity with 3 rams: | | | | | | |
| Low speed: | | | | | | |
| High speed: | | | | | | |
| Boost mode: | | | | | | |
| Hoisting capacity with 4 rams: | | | | | | |
| Low speed: | | | | | | |
| High speed: | | | | | | |
| Boost mode: | | | | | | |
| Hoisting capacity with 5 rams: | | | | | | |
| Low speed: | | | | | | |
| High speed: | | | | | | |
| Boost mode: | | | | | | |
| Auxiliary | | | | | | |
| Dual drawworks capacity : | yes/no | | | | yes/no | |
| Make: | | | | | | |
| Type: | | | | | | |
| Dimensions (L x W x H): | in | | | | mm | |
| Hoisting Capacity : | lt | | | | mt | |
| Weight: | lb | | | | kg | |
| Drawworks installed power : | | | | | | |
| Maximum line pull: | | | | | | |
| 1st gear : | ton | | | | ton | |
| 2nd gear : | ton | | | | ton | |
| 3rd gear: | ton | | | | ton | |
| 4th gear / ADS: | ton | | | | ton | |
| Fast line pull : | lb | | | | kg | |
| Fastline stabiliser system: | | | | | | |
| Manufacturer : | | | | | | |
| Model: | | | | | | |
| Type: | | | | | | |
| Drawworks Drum: | | | | | | |
| Drum diameter : | in | | | | mm | |
| Drum capacity: | ft | | | | m | |
| Wire diameter : | in | | | | mm | |
| Spinning cathead type : | | | | | | |
| Breakout cathead type : | | | | | | |
| Crown block safety device: | yes/no | | | | yes/no | |
| Make/Type : | | | | | | |
| Selectable ram hoisting: | yes/no | | | | yes/no | |
| Maximum rams per tower: | no. | | | | no. | |
| Hoisting capacity with 2 rams: | | | | | | |
| Low speed: | | | | | | |
| High speed: | | | | | | |
| Boost mode: | | | | | | |
| Hoisting capacity with 3 rams: | | | | | | |
| Low speed: | | | | | | |
| High speed: | | | | | | |
| Boost mode: | | | | | | |
| Hoisting capacity with 4 rams: | | | | | | |
| Low speed: | | | | | | |
| High speed: | | | | | | |
| Boost mode: | | | | | | |
| Hoisting capacity with 5 rams: | | | | | | |
| Low speed: | | | | | | |
| High speed: | | | | | | |
| Boost mode: | | | | | | |
| B.2.2 Drawworks Utilities | | | | | | |
| Main | | | | | | |
| Anti-collision system: | yes/no | | | | yes/no | |
| Make/Type : | | | | | | |
| Drawworks Power: | | | | | | |
| Manufacturer/Model: | | | | | | |

| | | | COMMENTS 2024 | |
|-----------------------------------|-----------|--|---------------|--|
| Nominal input power: | VAC/VDC | | VAC/VDC | |
| Drawworks Motor Drive: | | | | |
| Manufacturer/Model: | | | | |
| Quantity : | no. | | no. | |
| Power requirement : | VAC/VDC | | VAC/VDC | |
| Rated output power continuous : | hp | | hp | |
| Rated output power intermittent : | hp | | hp | |
| Water supply for motors: | yes/no | | yes/no | |
| Type: | fresh/sea | | fresh/sea | |
| Flowrate: | gpm | | l / min | |
| Transducers: | | | | |
| Quantity : | no. | | no. | |
| Auxiliary | | | | |
| Anti-collision system: | yes/no | | yes/no | |
| Make/Type : | | | | |
| Drawworks Power: | | | | |
| Manufacturer/Model: | | | | |
| Nominal input power: | VAC/VDC | | VAC/VDC | |
| Drawworks Motor Drive: | | | | |
| Manufacturer/Model: | | | | |
| Quantity : | no. | | no. | |
| Power requirement : | VAC/VDC | | VAC/VDC | |
| Rated output power continuous : | hp | | hp | |
| Rated output power intermittent : | hp | | hp | |
| Water supply for motors: | yes/no | | yes/no | |
| Type: | fresh/sea | | fresh/sea | |
| Flowrate: | gpm | | l / min | |
| Transducers: | | | | |
| Quantity : | no. | | no. | |
| B.2.3 Auxiliary Brake | | | | |
| Main | | | | |
| Make : | | | | |
| Model : | | | | |
| Type: | | | | |
| Independent back-up system type : | | | | |
| Water supply for brake : | yes/no | | yes/no | |
| Type: | fresh/sea | | fresh/sea | |
| Flowrate: | gpm | | l / min | |
| Auxiliary | | | | |
| Make : | | | | |
| Model : | | | | |
| Type: | | | | |
| Independent back-up system type : | | | | |
| Water supply for brake : | yes/no | | yes/no | |
| Type: | fresh/sea | | fresh/sea | |
| Flowrate: | gpm | | l / min | |
| B.2.4 Sandline | | | | |
| Main | | | | |
| Make : | | | | |
| Length capacity : | ft | | m | |
| Line size/type : | in | | mm | |
| Breaking strength : | lt | | lt | |
| Safe working load : | lt | | lt | |
| Sand Line Drum: | | | | |
| Drum diameter : | in | | mm | |
| Drum capacity: | ft | | m | |
| Wire diameter : | in | | mm | |
| Auxiliary | | | | |
| Make : | | | | |
| Length capacity : | ft | | m | |
| Line size/type : | in | | mm | |
| Breaking strength : | lt | | lt | |
| Safe working load : | lt | | lt | |
| Sand Line Drum: | | | | |
| Drum diameter : | in | | mm | |
| Drum capacity: | ft | | m | |
| Wire diameter : | in | | mm | |
| B.2.5 Slickline | | | | |
| Main | | | | |
| Make : | | | | |
| Length capacity : | ft | | m | |
| Line size/type : | in | | mm | |
| Breaking strength : | lt | | lt | |
| Safe working load : | lt | | lt | |
| Auxiliary | | | | |
| Make : | | | | |
| Length capacity : | ft | | m | |
| Line size/type : | in | | mm | |
| Breaking strength : | lt | | lt | |
| Safe working load : | lt | | lt | |

| | | | | COMMENTS 2024 |
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| B.2.6 Automatic Driller | | | | |
| Make: | | | | |
| Type: | | | | |
| B.2.7 Heave Motion Compensator | passive / active | | passive / active | |
| Main | | | | |
| Make : | | | | |
| Type : | | | | |
| Sensitivity: | | | | |
| Stroke / Performance: | | | | |
| API rated capacity: | | | | |
| Capacity in lock position: | | | | |
| Auxiliary | | | | |
| Make : | | | | |
| Type : | | | | |
| Sensitivity: | | | | |
| Stroke / Performance: | | | | |
| API rated capacity: | | | | |
| Capacity in lock position: | | | | |
| B.2.8 Drawworks Control System | | | | |
| Main | | | | |
| Control cabinets: | no. | | no. | |
| Dimensions: | ft x ft x ft | | m x m x m | |
| PLC type: | | | | |
| Auxiliary | | | | |
| Control cabinets: | no. | | no. | |
| Dimensions: | ft x ft x ft | | m x m x m | |
| PLC type: | | | | |
| B.3 DERRICK HOISTING EQUIPMENT | | | | |
| B.3.1 Crown Block | | | | |
| Make: | | | | |
| Type: | | | | |
| Rated capacity : | lt | | mt | |
| No. of sheaves : | no. | | no. | |
| Sheave diameter : | in | | mm | |
| Sheave grooved for line size : | in | | mm | |
| Anti jump bar: | yes/no | | yes/no | |
| B.3.2 Travel Block | | | | |
| Make: | | | | |
| Type: | | | | |
| Rated capacity : | lt | | mt | |
| No. of sheaves : | no. | | no. | |
| Sheave diameter : | in | | mm | |
| Sheave grooved for line size : | in | | mm | |
| B.3.3 Hook | | | | |
| Make: | | | | |
| Type: | | | | |
| Rated capacity : | lt | | mt | |
| Complete with spring assembly/hook locking device : | yes/no | | yes/no | |
| B.3.4 Drilling Line | | | | |
| Diameter : | in | | mm | |
| Type : | | | | |
| Length (original) : | ft | | m | |
| Support frame for drum/cover : | yes/no | | yes/no | |
| Drilling line drum power driven : | yes/no | | yes/no | |
| Spare reel drilling line : | yes/no | | yes/no | |
| Location (rig, shore, etc.) : | | | | |
| B.3.5 Anchor Dead Line | | | | |
| Make: | | | | |
| Type: | | | | |
| Weight sensor: | yes/no | | yes/no | |
| Number: | no | | no | |
| Location: | | | | |
| Hydraulic / Electric / etc: | | | | |
| B.3.6 Drilling String Motion Compensator | | | | |
| Make: | | | | |
| Type: | | | | |
| Stroke : | ft | | m | |
| Capacity - compensated : | lt | | mt | |
| Capacity - locked : | lt | | mt | |

| | | | | COMMENTS 2024 |
|--|-----------------------------|--|-----------------------------|---------------|
| B.3.7 Block Guidance System | | | | |
| Make: | | | | |
| Type: | | | | |
| B.3.8 Retraction System For Traveling Block | | | | |
| Make: | | | | |
| Type: | | | | |
| B.3.9 Hydraulic Cylinder Hoisting System | | | | |
| Generation: | | | | |
| Amount of cylinders: | no. | | no. | |
| Compensating stroke: | ft | | m | |
| Max hoisting capacity: | lt | | mt | |
| B.4 ROTATING SYSTEM | | | | |
| B.4.1 Rotary Table | | | | |
| Main | | | | |
| Make: | | | | |
| Type: | | | | |
| Maximum opening : | in | | mm | |
| Rated capacity : | lb | | kg | |
| Static load capacity : | lb | | kg | |
| Rotating load capacity : | lb | | kg | |
| Associated RPM: | rpm | | rpm | |
| Used for active drilling: | yes/no | | yes/no | |
| Two speed gearbox : | yes/no | | yes/no | |
| Emergency chain drive : | yes/no | | yes/no | |
| Driven by an independent electric motor : | yes/no | | yes/no | |
| Electric motor type : | | | | |
| Electric motor make : | | | | |
| Output power : | hp | | kW | |
| Maximum continuous torque : | ft-lb | | m-kg | |
| Associated RPM: | rpm | | rpm | |
| Drip pan/mud collection system : | yes/no | | yes/no | |
| Make up torque (if needed) : | lb.ft | | Nm | |
| Break out torque (if needed) : | lb.ft | | Nm | |
| Auxiliary | | | | |
| Make: | | | | |
| Type: | | | | |
| Maximum opening : | in | | mm | |
| Rated capacity : | lb | | kg | |
| Static load capacity : | lb | | kg | |
| Rotating load capacity : | lb | | kg | |
| Associated RPM: | rpm | | rpm | |
| Used for active drilling: | yes/no | | yes/no | |
| Two speed gearbox : | yes/no | | yes/no | |
| Emergency chain drive : | yes/no | | yes/no | |
| Driven by an independent electric motor : | yes/no | | yes/no | |
| Electric motor type : | | | | |
| Electric motor make : | | | | |
| Output power : | hp | | hp | |
| Maximum continuous torque : | ft-lb | | Nm | |
| Associated RPM: | rpm | | rpm | |
| Drip pan/mud collection system : | yes/no | | yes/no | |
| Make up torque (if needed) : | lb.ft | | Nm | |
| Break out torque (if needed) : | lb.ft | | Nm | |
| B.4.2 Master Bushings | | | | |
| Make: | | | | |
| Type: | | | | |
| Maximum opening : | in | | mm | |
| Inserts bowls (see G.1.7) : | in | | mm | |
| B.4.3 Top Drive | | | | |
| Main | | | | |
| Make : | | | | |
| Type : | elec / hyd | | elec / hyd | |
| Rated capacity : | lt | | mt | |
| Test pressure : | psi | | bar | |
| Working pressure : | psi | | bar | |
| Power assignation : | Independent of Rotary Table | | Independent of Rotary Table | |
| Number of safety valves: | no | | no | |
| Working pressure of safety valves: | psi | | bar | |
| If driven by electric motor | | | | |
| Make : | | | | |
| Type : | | | | |
| Output power : | hp | | kW | |
| Maximum continuous torque : | ft-lb | | m-kg | |
| Associated RPM: | rpm | | rpm | |
| Two speed gearbox : | yes/no | | yes/no | |
| Maximum rotary speed : | rpm | | rpm | |

| | yes/no | | yes/no | COMMENTS 2024 |
|---|-----------------------------|--|-----------------------------|---------------|
| Remote operated kelly cock : | | | | |
| Cooling system type : | water / lube oil, etc. | | water / lube oil, etc. | |
| Makeout/Breakout System | | | | |
| Make: | | | | |
| Type: | | | | |
| Make up torque max (if required) : | lb.ft | | Nm | |
| Break out torque max (if required) : | lb.ft | | Nm | |
| Drilling Hoisting capacity : | | | | |
| Auxiliary | | | | |
| Make : | | | | |
| Type : | elec / hyd | | elec / hyd | |
| Rated capacity : | lt | | mt | |
| Test pressure : | psi | | bar | |
| Working pressure : | psi | | bar | |
| Power assignment : | Independent of Rotary Table | | Independent of Rotary Table | |
| Number of safety valves: | no | | no | |
| Working pressure of safety valves: | psi | | bar | |
| If driven by electric motor | | | | |
| Make : | | | | |
| Type : | | | | |
| Output power : | hp | | kW | |
| Maximum continuous torque : | ft-lb | | Nm | |
| Associated RPM: | rpm | | rpm | |
| Two speed gearbox : | yes/no | | yes/no | |
| Maximum rotary speed : | rpm | | rpm | |
| Remote operated kelly cock : | yes/no | | yes/no | |
| Cooling system type : | water / lube oil, etc. | | water / lube oil, etc. | |
| Makeout/Breakout System | | | | |
| Make: | | | | |
| Type: | | | | |
| Make up torque max (if required) : | lb.ft | | Nm | |
| Break out torque max (if required) : | lb.ft | | Nm | |
| Drilling Hoisting capacity : | | | | |
| B.5 DRILLING CONTROL SYSTEM | | | | |
| Make: | | | | |
| Model: | | | | |
| Software version: | | | | |
| Attached Data Logger Available | | | | |
| External Data Port (Serial/Ethernet) Available on Data Logger | | | | |
| Which (external data port) | | | | |
| Software Protocols Available on External Data Port | | | | |
| (OPC, WITS, WITSML, Profibus) | | | | |
| Serial/Parallel Port for Alarm Printer Available | | | | |
| C. POWER SUPPLY SYSTEMS | IMPERIAL | | METRIC | |
| C.1 RIG POWER PLANT | | | | |
| IMO Tier compliance shall be indicated (i.e. II, III, etc.) | | | | |
| C.1.1 Diesel Engines | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Maximum continuous power : | hp | | kW | |
| At rotation speed of : | rpm | | rpm | |
| Equipped with spark arrestors : | yes/no: | | yes/no: | |
| Mufflers installed : | yes/no: | | yes/no: | |
| Total Fuel Consumption, Underway | bbl/day | | m3/day | |
| @ speed : | | | | |
| @ speed : | | | | |
| C.1.2 DC - Generator | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Continuous power : | kw | | kw | |
| At rotation speed of : | rpm | | rpm | |
| Output volts : | volts | | volts | |
| C.1.3 AC-Generator | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Continuous power : | hp | | kW | |
| At rotation speed of : | rpm | | rpm | |
| Output volts : | volts | | volts | |
| C.1.4 SCR System | | | | |
| Number of SCR : | no. | | no. | |
| Make/Type : | | | | |
| Maximum continuous power (total) : | kw | | kw | |
| Output volts : | volts | | volts | |
| C.1.5 Hybrid System | | | | |

| | | | | COMMENTS 2024 |
|--|--------------|--|--------------|---------------|
| Main bus bar: | yes/no | | yes/no | |
| Panels (Low Voltage): | yes/no | | yes/no | |
| Thrusters supply: | yes/no | | yes/no | |
| Autonomy: | T[min] | | T[min] | |
| Model : | | | | |
| Regulatory approvals : | | | | |
| C.1.6 Transformer System | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Continuous power (each) : | kva | | kva | |
| Output volts : | volts | | volts | |
| Frequency : | Hz | | Hz | |
| Supply to system (i.e. Drilling, Utilities, Propulsion, etc.) : | | | | |
| C.1.7 Emergency Shutdown | | | | |
| Emergency shutdown switches for the complete power system (AC and DC), located at the following points : | | | | |
| Function (i.e. Drilling) : | | | | |
| C.1.8 Auxiliary Power Supply | | | | |
| Power supply available: | | | | |
| Output volts : | volts | | volts | |
| Frequency : | Hz | | Hz | |
| Current : | amps | | amps | |
| Phase : | single/three | | single/three | |
| Power supply for (i.e. MWD, Mud Treatment System, Wireline, ROV, etc.) : | | | | |
| C.1.9 Compressed Air Systems | | | | |
| Air Compressors - High Pressure: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Rated capacity : | ft3/hr | | m3/hr | |
| Working press : | psi | | bar | |
| Prime mover (electric/diesel) : | | | | |
| Continuous power : | hp | | kW | |
| Air dryers : | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Nominal rated capacity : | ft3/min | | m3/hr | |
| Air Compressors - Medium Pressure (rig air) : | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Rated capacity : | ft3/hr | | m3/hr | |
| Working press : | psi | | bar | |
| Prime mover (electric/diesel) : | | | | |
| Continuous power : | hp | | hp | |
| Air dryers : | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Nominal rated capacity : | ft3/min | | m3/min | |
| Air Compressors - Low Pressure (bulk air) : | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Rated capacity : | ft3/hr | | m3/hr | |
| Working press : | psi | | bar | |
| Prime mover (electric/diesel) : | | | | |
| Continuous power : | W | | kW | |
| Air dryers : | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Nominal rated capacity : | ft3/min | | m3/min | |
| C.2 EMERGENCY GENERATOR | | | | |
| C.2.1 Engine | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Maximum output : | | | kW | |
| At rotation speed : | | | rpm | |
| Starting methods (automatic, manual, air/hydraulic) : | | | | |
| Max. angle of operation : | degrees | | degrees | |
| C.2.2 AC-Generator | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Maximum output : | kW | | kVa | |
| At rotation speed : | rpm | | rpm | |

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| Output volts : | volts | volts | |
| Capable of back-feeding power to main bus : | yes/no | yes/no | |
| C.3 PRIMARY ELECTRIC MOTORS | | | |
| C.3.1 Propulsion Motors | | | |
| Type : | | | |
| C.3.2 Thruster Motors | | | |
| Quantity : | no. | no. | |
| Type : | | | |
| Power of each : | MW | MW | |
| Total power : | MW | MW | |
| C.4 POWER MANAGEMENT SYSTEM | | | |
| Make : | | | |
| Model : | | | |
| Droop control mode : | yes/no | yes/no | |
| Isochronous control mode : | yes/no | yes/no | |
| Software version : | | | |
| Attached data logger available : | yes/no | yes/no | |
| External data port available on data logger : | yes/no | yes/no | |
| Which external data port : | | | |
| Software protocols available on external data port : | | | |
| Serial/parallel port for alarm printer available : | yes/no | yes/no | |
| Serial or parallel : | | | |
| C.5 MAIN BUS OPERATION - CONFIGURATION | | | |
| Close bus bar : | yes/no | yes/no | |
| Single Line bus bar : | yes/no | yes/no | |
| Split bus bar : | yes/no | yes/no | |
| Regulatory approvals : | yes/no | yes/no | |
| D. DRILLSTRING EQUIPMENT | | | |
| | IMPERIAL | METRIC | |
| D.1 TUBULARS | | | |
| D.1.1 Drill Pipe | | | |
| Manufacturer: | | | |
| Drill pipe OD : | in | mm | |
| Drill pipe ID: | in | mm | |
| Grade : | | | |
| Quantity: | no. | no. | |
| Range : | | | |
| Weight : | lb/ft | kg/m | |
| Internally plastic coated : | yes/no | yes/no | |
| Tool joint OD: | in | mm | |
| Tool joint ID: | in | mm | |
| Tool joint pin length (original) : | in | mm | |
| Tapered shoulder tool joints : | degree/degree | degree/degree | |
| Embed technology : | RFID / etc. | RFID / etc. | |
| Connection type : | | | |
| Type of hardfacing : | | | |
| API classification : | | | |
| Thread protectors : | yes/no | yes/no | |
| Makeup Torque Max: | lb.ft | kg.m | |
| Makeup Torque Min : | lb.ft | kg.m | |
| Breakout Torque Max: | lb.ft | kg.m | |
| Breakout Torque Min: | lb.ft | kg.m | |
| Continuous Torque Max: | lb.ft | kg.m | |
| Tensile Strength Max: | lbf | kgf | |
| D.1.2 Drill Pipe Landing String | | | |
| Manufacturer: | | | |
| Drill pipe OD : | in | mm | |
| Drill pipe ID: | in | mm | |
| Grade : | | | |
| Quantity: | no. | no. | |
| Range : | | | |
| Weight : | lb/ft | kg/m | |
| Internally plastic coated : | yes/no | yes/no | |
| Tool joint OD: | in | mm | |
| Tool joint ID: | in | mm | |
| Tool joint pin length (original) : | in | mm | |
| Tapered shoulder tool joints : | degree/degree | degree/degree | |
| Embed technology : | RFID / etc. | RFID / etc. | |
| Connection type : | | | |
| Type of hardfacing : | | | |
| API classification : | | | |
| Thread protectors : | yes/no | yes/no | |
| Makeup Torque Max: | lb.ft | kg.m | |
| Makeup Torque Min : | lb.ft | kg.m | |
| Breakout Torque Max: | lb.ft | kg.m | |
| Breakout Torque Min: | lb.ft | kg.m | |
| Continuous Torque Max: | lb.ft | kg.m | |
| Tensile Strength Max: | lbf | kgf | |

| | | | | COMMENTS 2024 |
|--|---------------|--|---------------|---------------|
| D.1.3 Drill Pipe Pup Joints | | | | |
| Manufacturer: | | | | |
| Drill pipe OD : | in | | mm | |
| Drill pipe ID: | in | | mm | |
| Grade : | | | | |
| Quantity: | no. | | no. | |
| Length : | ft | | m | |
| Weight : | lb/ft | | kg/m | |
| Internally plastic coated : | yes/no | | yes/no | |
| Tool joint OD: | in | | mm | |
| Tool joint ID: | in | | mm | |
| Tool joint pin length (original) : | in | | mm | |
| Tapered shoulder tool joints : | degree/degree | | degree/degree | |
| Embed technology : | RFID/etc. | | RFID/etc. | |
| Connection type : | | | | |
| Type of hardfacing : | | | | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| D.1.4 Drill Pipe Casing Protectors | | | | |
| Initial stock : | no. | | no. | |
| Make: | | | | |
| Type: | | | | |
| OD : | in. | | mm. | |
| Installation tools (manual/hydraulic/none) : | | | | |
| D.1.5 Heavy-Weight Drill Pipe | | | | |
| Manufacturer: | | | | |
| Drill pipe OD : | in | | mm | |
| Drill pipe ID: | in | | mm | |
| Grade : | | | | |
| Quantity: | no. | | no. | |
| Range : | | | | |
| Weight : | lb/ft | | kg/m | |
| Internally plastic coated : | yes/no | | yes/no | |
| Tool joint OD: | in | | mm | |
| Tool joint ID: | in | | mm | |
| Tool joint pin length (original) : | in | | mm | |
| Tapered shoulder tool joints : | degree/degree | | degree/degree | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| Connection type : | | | | |
| Type of hardfacing : | | | | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.1.6 Drill Collars | | | | |
| Manufacturer: | | | | |
| Body OD : | in | | mm | |
| Body ID : | in | | mm | |
| Tool joint OD: | in | | mm | |
| Tool joint ID: | in | | mm | |
| Grade : | | | | |
| Quantity : | no. | | no. | |
| Nominal Length of each joint : | ft | | m | |
| Drill collar body (slick/spiral) : | | | | |
| Weight : | lb/ft | | kg/m | |
| Recess for "zip" elevator : | yes/no | | yes/no | |
| Recess for slips : | yes/no | | yes/no | |
| Stress relief pin groove : | yes/no | | yes/no | |
| Boreback on box : | yes/no | | yes/no | |
| Connection type : | | | | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |

| D.1.7 Short Drill Collars | | | | COMMENTS 2024 |
|--|-------------|--|-------------|---------------|
| Manufacturer: | | | | |
| Body OD : | in | | mm | |
| Body ID : | in | | mm | |
| Tool joint OD: | in | | mm | |
| Tool joint ID: | in | | mm | |
| Grade : | | | | |
| Quantity : | no. | | no. | |
| Nominal Length of each joint : | ft | | m | |
| Drill collar body (slick/spiral) : | | | | |
| Weight : | lb/ft | | kg/m | |
| Recess for "zip" elevator : | yes/no | | yes/no | |
| Recess for slips : | yes/no | | yes/no | |
| Stress relief pin groove : | yes/no | | yes/no | |
| Boreback on box : | yes/no | | yes/no | |
| Connection type : | | | | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.1.8 Non-Magnetic Drill Collars | | | | |
| Manufacturer: | | | | |
| Body OD : | in | | mm | |
| Body ID : | in | | mm | |
| Tool joint OD: | in | | mm | |
| Tool joint ID: | in | | mm | |
| Grade : | | | | |
| Quantity : | no. | | no. | |
| Nominal Length of each joint : | ft | | m | |
| Drill collar body (slick/spiral) : | | | | |
| Weight : | lb/ft | | kg/m | |
| Recess for "zip" elevator : | yes/no | | yes/no | |
| Recess for slips : | yes/no | | yes/no | |
| Stress relief pin groove : | yes/no | | yes/no | |
| Boreback on box : | yes/no | | yes/no | |
| Connection type : | | | | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.1.9 Core Barrels | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Model : | | | | |
| Quantity : | no. | | no. | |
| Weight : | lb/ft | | kg/m | |
| Size OD: | in | | mm | |
| Size ID : | in | | mm | |
| Length : | ft | | m | |
| Top connection Type : | | | | |
| Spiral stabilizing ribs : | yes/no | | yes/no | |
| Subs and handling tools : | yes/no | | yes/no | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.1.10 Stabilizers | | | | |
| Manufacturer: | | | | |
| Hole size : | in | | mm | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| OD blades : | in | | mm | |
| Type blades (straight/spiral/welded/integral/sleeve) : | | | | |
| Type of blade hardfacing : | | | | |
| OD body or fishing neck : | in | | mm | |

| | | | mm | COMMENTS 2024 |
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| ID body : | in | | mm | |
| Connection type : | | | | |
| Float valve receptacle : | yes/no | | yes/no | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.1.11 Roller Reamers | | | | |
| Manufacturer: | | | | |
| Hole size : | in | | mm | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| OD body : | in | | mm | |
| ID body : | in | | mm | |
| OD fishing neck : | in | | mm | |
| Cutters, supplied sets : | no. | | no. | |
| Cutters, type : | | | | |
| Connection, type : | | | | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.1.12 Shock Absorbers (Damping Sub) | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| OD body : | in | | mm | |
| ID body : | in | | mm | |
| OD fishing neck : | in | | mm | |
| Connection type : | | | | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.1.13 Drilling Jars | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type (mechanical/hydraulic; up/down; bidirectional;only one direction) : | | | | |
| OD body : | in | | mm | |
| Min. ID body : | in | | mm | |
| OD fishing neck : | in | | mm | |
| Stroke : | in | | mm | |
| Connection type : | | | | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.1.14 Inside BOP Valve | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | double / single | | double / single | |
| OD : | in | | mm | |
| Min. drill pipe ID required : | in | | mm | |
| Connection type : | | | | |
| Working pressure rating : | psi | | psi | |
| Embed technology : | RFID / etc. | | RFID / etc. | |

| | | | | COMMENTS 2024 |
|--------------------------------------|-------------|--|-------------|---------------|
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Tensile Strength under max pressure: | lbf | | kgf | |
| D.1.15 Fast Shut-Off Coupling | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| Size tool joint to fit : | in | | mm | |
| Embeded technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| D.1.16 Circulation Head | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make/Type : | | | | |
| Valve make : | | | | |
| Valve type : | | | | |
| Valve size (ID) : | in | | mm | |
| Valve working pressure : | psi | | psi | |
| Bottom connection type : | | | | |
| Top connection type : | | | | |
| Wireline stripper : | yes/no | | yes/no | |
| Embeded technology : | RFID/etc. | | RFID/etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| D.1.17 Circulation Subs | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| OD body : | in | | mm | |
| Ball size : | in | | mm | |
| Dressing kits : | no. | | no. | |
| Connection type : | | | | |
| Embeded technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continous Torque Max: | lb.ft | | kg.m | |
| Tensile Strenght Max: | lbf | | kgf | |
| D.1.18 Cup Type Testers | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Size test cup for casing weight : | in-lb/ft | | mm-kg/m | |
| Size test cup for casing weight : | in-lb/ft | | mm-kg/m | |
| Size test cup for casing weight : | in-lb/ft | | mm-kg/m | |
| Connection : | | | | |
| D.1.19 Plug Type Testers | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Size test plugs : | in | | mm | |
| Connection : | | | | |
| D.1.20 Drop-in Valves | | | | |
| Manufacturer: | | | | |
| Make : | | | | |

| | | | | COMMENTS 2024 |
|------------------------------------|-------------|--|-------------|---------------|
| Type : | | | | |
| Quantity : | no. | | no. | |
| For nom. OD drillpipe : | in | | mm | |
| For nom. ID drillpipe : | in | | mm | |
| Max. OD of dart. : | in | | mm | |
| Drift of drop in valve. : | in | | mm | |
| D.1.21 Bit Subs | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| OD size : | in | | mm | |
| ID size : | in | | mm | |
| Top connection : | | | | |
| Bottom connection : | | | | |
| Bored for float valve : | yes/no | | yes/no | |
| Float size : | in | | mm | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.1.22 Crossover Subs | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| OD size (max) : | in | | mm | |
| OD size (min) : | in | | mm | |
| ID size (max): | in | | mm | |
| ID size (min): | in | | mm | |
| Top connection size : | | | | |
| Type (pin/box) : | | | | |
| Bottom connection size : | | | | |
| Type (pin/box) : | | | | |
| Embed technology : | RFID/etc. | | RFID/etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.1.23 Drilling Bumper Subs | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| OD : | in | | mm | |
| Stroke : | in | | mm | |
| Connection type : | | | | |
| Embed technology : | RFID/etc. | | RFID/etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.1.24 Hole Openers | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| OD Closed: | in | | mm | |
| OD Opened: | in | | mm | |
| Type (hydraulic / mechanical) | | | | |
| Connection type : | | | | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |

| D.1.25 Underreamer | | | | COMMENTS 2024 |
|---|---------------|--|---------------|---------------|
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| OD Max : | in | | mm | |
| OD Min : | in | | mm | |
| Connection type : | | | | |
| Embeded technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| | | | | |
| D.1.26 Float Valve | | | | |
| Manufacturer: | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| Float Size : | in | | mm | |
| Model : | | | | |
| Orifice : | yes / no | | yes / no | |
| | | | | |
| D.1.27 DP Hang-Off Subs | | | | |
| Manufacturer: | | | | |
| Drill pipe OD : | in | | mm | |
| Drill pipe ID: | in | | mm | |
| Grade : | | | | |
| Quantity: | no. | | no. | |
| Range : | | | | |
| Weight : | lb/ft | | kg/m | |
| Hang off Method (sq. shoulder/doughnut) : | | | | |
| Internally plastic coated : | yes/no | | yes/no | |
| Tool joint OD: | in | | mm | |
| Tool joint ID: | in | | mm | |
| Tool joint pin length (original) : | in | | mm | |
| Tapered shoulder tool joints : | degree/degree | | degree/degree | |
| Embeded technology : | RFID / etc. | | RFID / etc. | |
| Connection type : | | | | |
| Type of hardfacing : | | | | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| | | | | |
| D.2 HANDLING TOOLS | | | | |
| D.2.1 Drill Pipe Elevators | | | | |
| Manufacturer: | | | | |
| Size : | in | | mm | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Rated capacity : | st | | st | |
| Diameter bushings range: | in to in | | mm to mm | |
| | | | | |
| D.2.2 Drill Collar Elevators | | | | |
| Manufacturer: | | | | |
| Size : | in | | mm | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Rated capacity : | st | | st | |
| Diameter bushings range: | in to in | | mm to mm | |
| | | | | |
| D.2.3 Tubing Elevators | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Model : | | | | |
| Size (max) : | in | | mm | |
| Size (min) : | in | | mm | |
| Quantity : | no. | | no. | |
| Rated capacity : | st | | st | |
| Diameter bushings range: | in to in | | mm to mm | |
| | | | | |
| D.2.4 Drill Pipe Hand Slips | | | | |

| | | | | COMMENTS 2024 |
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| D.2.5 Semi-Automatic DP Slips | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| Size : | in | | mm | |
| Quantity : | no. | | no. | |
| Rated capacity : | st | | st | |
| Diameter dies range: | in to in | | mm to mm | |
| D.2.6 Drill Collar Slips | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type (peumatic / hydraulic): | | | | |
| Quantity : | no. | | no. | |
| Size range (largest) : | in | | mm | |
| Size range (smallest) : | in | | mm | |
| Minimum weight on the slips to apply torque with top drive : | lb | | kg | |
| Rated capacity : | st | | st | |
| Diameter dies range: | in to in | | mm to mm | |
| D.2.7 Drill Collar Safety Clamps | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Range : | in - in | | mm - mm | |
| Rated capacity : | st | | st | |
| D.2.8 Tubing Slips | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| Size : | in | | mm | |
| Rated capacity : | st | | st | |
| Diameter dies range: | in to in | | mm to mm | |
| D.2.9 Tubing Spider | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Quantity : | no. | | no. | |
| Slip size (max) : | in | | mm | |
| Slip size (min) : | in | | mm | |
| Adaptor plate : | | | | |
| Minimum weight on the slips to apply torque with top drive : | lb | | kg | |
| Rated capacity : | st | | st | |
| Diameter dies range: | in to in | | mm to mm | |
| D.2.10 Drill Collar Lifting Subs | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Connection type : | | | | |
| Type of elevator required : | | | | |
| For OD DC : | in | | mm | |
| D.2.11 DC Lifting Plugs | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Connection type : | | | | |
| Type of elevator required : | | | | |
| For OD DC : | in | | mm | |
| D.2.12 Bit Breakers | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| For bit size : | in | | mm | |
| D.2.13 Elevator Links | | | | |
| Manufacturer: | | | | |
| Make: | | | | |
| Type : | | | | |
| Quantity of sets : | no. | | no. | |
| Size : | in | | mm | |
| Length : | ft | | m | |

| Rated capacity : | | | st | st | COMMENTS 2024 |
|---|--|--|----------------|----------------|---------------|
| Type of elevator required : | | | BX4 / BX5, etc | BX4 / BX5, etc | |
| D.2.14 Drill Pipe Spinner | | | | | |
| Manufacturer: | | | | | |
| Make: | | | | | |
| Type : | | | | | |
| Size (max) : | | | in | mm | |
| Size (min) : | | | in | mm | |
| D.2.15 Mud Saver Bucket | | | | | |
| Manufacturer: | | | | | |
| Make: | | | | | |
| Type : | | | | | |
| Size OD: | | | in | mm | |
| Size ID: | | | in | mm | |
| Range of pipe: | | | in to in | mm to mm | |
| D.2.16 Hydraulic Make-up/Beakout Machine | | | | | |
| Manufacturer: | | | | | |
| Make: | | | | | |
| Type : | | | | | |
| Maximum linepull : | | | st | st | |
| Makeup Torque Max: | | | lb.ft | kg.m | |
| Breakout Torque Max: | | | lb.ft | kg.m | |
| Remote actuated (driller house): | | | yes/no | yes/no | |
| Torque indicator : | | | yes/no | yes/no | |
| Location (main or auxiliary derrick) : | | | | | |
| D.2.17 Rotary Rig Tongs | | | | | |
| Manufacturer: | | | | | |
| Make: | | | | | |
| Type : | | | | | |
| Quantity : | | | no. | no. | |
| Size range (max OD) : | | | in | mm | |
| Size range (min OD) : | | | in | mm | |
| Torque rating : | | | ft-lb | m-kg | |
| Torque indicator : | | | yes/no | yes/no | |
| Location (main or auxiliary derrick) | | | | | |
| D.2.18 Tubing Tongs (manual) | | | | | |
| Manufacturer: | | | | | |
| Make: | | | | | |
| Type : | | | | | |
| Quantity : | | | no. | no. | |
| Size range (max OD) : | | | in | mm | |
| Size range (min OD) : | | | in | mm | |
| Torque rating : | | | ft-lb | m-kg | |
| Torque indicator : | | | yes/no | yes/no | |
| Location (main or auxiliary derrick) | | | | | |
| D.2.19 Tubing Tongs Power | | | | | |
| Manufacturer: | | | | | |
| Make: | | | | | |
| Type (hydraulic / mechanical) : | | | | | |
| Quantity : | | | no. | no. | |
| Size range (max OD) : | | | in | mm | |
| Size range (min OD) : | | | in | mm | |
| Max output torque : | | | ft-lb | m-kg | |
| Torque indicator : | | | yes/no | yes/no | |
| Back-up arm : | | | yes/no | yes/no | |
| Location (main or auxiliary derrick) | | | | | |
| D.2.20 Iron Roughneck | | | | | |
| Main : | | | | | |
| Manufacturer: | | | | | |
| Make: | | | | | |
| Type : | | | | | |
| Quantity : | | | no. | no. | |
| DP Size range (max OD) : | | | in | mm | |
| DP Size range (min OD) : | | | in | mm | |
| Casing Module | | | yes/no | yes/no | |
| Casing Size range (min OD) : | | | in | mm | |
| Casing Size range (min OD) : | | | in | mm | |
| Makeup Torque Max: | | | lb.ft | kg.m | |
| Breakout Torque Max: | | | lb.ft | kg.m | |
| Remote actuated (driller house): | | | yes/no | yes/no | |
| Torque indicator : | | | yes/no | yes/no | |
| Turn versus Torque indicator : | | | yes/no | yes/no | |
| Location (main or auxiliary derrick) | | | | | |
| Auxiliary : | | | | | |
| Manufacturer: | | | | | |

| | | | | COMMENTS 2024 |
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| Make: | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| DP Size range (max OD) : | in | | mm | |
| DP Size range (min OD) : | in | | mm | |
| Casing Module | yes/no | | yes/no | |
| Casing Size range (min OD) : | in | | mm | |
| Casing Size range (min OD) : | in | | mm | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Remote actuated (driller house): | yes/no | | yes/no | |
| Torque indicator : | yes/no | | yes/no | |
| Turn versus Torque indicator : | yes/no | | yes/no | |
| Location (main or auxiliary derrick) | | | | |
| D.3 FISHING EQUIPMENT | | | | |
| D.3.1 Overshots | | | | |
| Manufacturer: | | | | |
| Make: | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| Overshot OD : | in | | mm | |
| To catch size : | in | | mm | |
| To catch size : | in | | mm | |
| To catch size : | in | | mm | |
| Overshot guide OD : | in | | mm | |
| Extension sub length : | ft | | m | |
| Lipped guide (oversize, regular) : | | | | |
| Grapples (spiral, basket, both) : | | | | |
| Pack offs : | yes/no | | yes/no | |
| Top sub connection type : | | | | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.3.2 Hydraulic Fishing Jar | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type (mechanical/hydraulic; up/down; bidirectional; only one direction) : | | | | |
| OD body : | in | | mm | |
| Min. ID body : | in | | mm | |
| OD fishing neck : | in | | mm | |
| Stroke : | in | | mm | |
| Connection type : | | | | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.3.3 Jar Intensifier or Jar Accelerator | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type (mechanical/hydraulic; up/down; bidirectional; only one direction) : | | | | |
| OD body : | in | | mm | |
| Min. ID body : | in | | mm | |
| OD fishing neck : | in | | mm | |
| Stroke : | in | | mm | |
| Connection type : | | | | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.3.4 Surface Jar | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type (mechanical/hydraulic; up/down; bidirectional; only one direction) : | | | | |
| OD body : | in | | mm | |
| Min. ID body : | in | | mm | |
| OD fishing neck : | in | | mm | |

| | | | mm | COMMENTS 2024 |
|---|-------------|--|-------------|---------------|
| Stroke : | in | | | |
| Connection type : | | | | |
| Embedded technology : | RFID/etc. | | RFID/etc. | |
| API classification : | | | | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continuous Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| D.3.5 Fishing Bumper Subs | | | | |
| Manufacturer: | | | | |
| Make: | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| OD body : | in | | mm | |
| Min. ID : | in | | mm | |
| Stroke : | in | | mm | |
| Connection type : | | | | |
| Embedded technology : | RFID / etc. | | RFID / etc. | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.3.6 Safety Joints | | | | |
| Manufacturer: | | | | |
| Make: | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| OD body : | in | | mm | |
| Min. OD : | in | | mm | |
| Connection type : | | | | |
| Embedded technology : | RFID / etc. | | RFID / etc. | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.3.7 Junk Baskets (Reverse Circulation) | | | | |
| Manufacturer: | | | | |
| Make: | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| For hole size : | in | | mm | |
| OD body : | in | | mm | |
| Connection type : | | | | |
| Inside magnet available : | yes/no | | yes/no | |
| Mill shoes type B : | yes/no | | yes/no | |
| Embedded technology : | RFID / etc. | | RFID / etc. | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.3.8 Junk Subs | | | | |
| Manufacturer: | | | | |
| Make: | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| For hole size : | in | | mm | |
| OD body : | in | | mm | |
| Connection type : | | | | |
| Embedded technology : | RFID / etc. | | RFID / etc. | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.3.9 Flat Bottom Junk Mill | | | | |
| Manufacturer: | | | | |
| Make: | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| OD flat mill : | in | | mm | |
| Connection type : | | | | |
| Embedded technology : | RFID / etc. | | RFID / etc. | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Tensile Strength Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.3.10 Magnet Fishing Tools | | | | |

| | | | | COMMENTS 2024 |
|---|-------------|--|-------------|---------------|
| Manufacturer: | | | | |
| Make: | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| OD body : | in | | mm | |
| Connection type : | | | | |
| Embed technology : | RFID / etc. | | RFID / etc. | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Tensile Strenght Max: | lbf | | kgf | |
| Compression Max: | lb | | kg | |
| D.3.11 Taper Taps | | | | |
| Manufacturer: | | | | |
| Make: | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| OD (Max) : | in | | mm | |
| OD (Min) : | in | | mm | |
| OD body (max) : | in | | mm | |
| OD body (min) : | in | | mm | |
| Length : | ft | | m | |
| Connection type : | | | | |
| D.3.12 Die Collars | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| OD (Max) : | in | | mm | |
| OD (Min) : | in | | mm | |
| OD body (max) : | in | | mm | |
| OD body (min) : | in | | mm | |
| Length : | ft | | m | |
| Connection type : | | | | |
| D.4 CASING WHILE DRILLING SYSTEM (if applicable) | | | | |
| D.4.1 Casing Running Tool | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Length : | ft | | m | |
| Rated capacity : | ton | | ton | |
| Torque : | lb.ft | | kg.m | |
| Maximum circulating pressure : | psi | | bar | |
| Maximum casing diameter : | in | | mm | |
| Maximum operating speed : | RPM | | RPM | |
| GPM : | no. | | no. | |
| Maximum push down capacity : | ton | | ton | |
| Connection : | | | | |
| D.4.2 Bottom Hole Assembly/ Accessories | | | | |
| Drillable Bit : | yes/no | | yes/no | |
| Drillable Reaming Shoe : | yes/no | | yes/no | |
| Latch Assembly | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Casing size : | in | | mm | |
| Casing weight : | lb/ft | | kg/m | |
| Maximum OD : | in | | mm | |
| Minimum ID : | in | | mm | |
| Length : | in | | mm | |
| Weight : | lb | | kg | |
| Maximum differential pressure : | psi | | bar | |
| Maximum flow rate: | gal/min | | l/min | |
| Embed technology : | RFID/etc. | | RFID/etc. | |
| Thread protectors : | yes/no | | yes/no | |
| Makeup Torque Max: | lb.ft | | kg.m | |
| Makeup Torque Min : | lb.ft | | kg.m | |
| Breakout Torque Max: | lb.ft | | kg.m | |
| Breakout Torque Min: | lb.ft | | kg.m | |
| Continous Torque Max: | lb.ft | | kg.m | |
| Tensile Strenght Max: | lbf | | kgf | |
| Maximum set-down load : | lb | | kg | |
| Required activation force : | lb | | kg | |
| Operating temperature : | *F - *F | | *C - *C | |
| Top connections : | | | | |
| Bottom connections : | | | | |
| Retrieval Device | | | | |
| Manufacturer: | | | | |

| | | | | COMMENTS 2024 |
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| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Casing size : | in | | mm | |
| Casing weight : | lb/ft | | kg/m | |
| Maximum OD (stabilizer) : | in | | mm | |
| Maximum OD (body) : | in | | mm | |
| Minimum ID : | in | | mm | |
| Length : | in | | mm | |
| Weight : | lb | | kg | |
| Maximum flow rate: | gal/min | | l/min | |
| Spear tensile yield strength : | lbf | | kgf | |
| Spear required engaging force : | lbf | | kgf | |
| Operating temperature : | *F - *F | | *C - *C | |
| Top connections : | | | | |
| Bottom connections : | | | | |
| Releasing Device | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Casing size : | in | | mm | |
| Casing weight : | lb/ft | | kg/m | |
| Maximum OD : | in | | mm | |
| Length : | in | | mm | |
| Weight : | lb | | kg | |
| Spear tensile yield strength : | lbf | | kgf | |
| Spear required engaging force : | lbf | | kgf | |
| Required activation pressure : | psi | | bar | |
| Operating temperature : | *F - *F | | *C - *C | |
| Top connections : | | | | |
| Bottom connections : | | | | |
| Locking Device | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Casing size : | in | | mm | |
| Casing weight : | lb/ft | | kg/m | |
| Maximum OD : | in | | mm | |
| Minimum ID : | in | | mm | |
| Length : | in | | mm | |
| Weight : | lb | | kg | |
| Maximum flow rate : | gal/min | | l/min | |
| Axial load capacity : | lb | | kg | |
| Torque load capacity : | lb-ft | | kg-m | |
| Required activation pressure : | psi | | bar | |
| Operating temperature : | *F - *F | | *C - *C | |
| Drop ball diameter : | in | | mm | |
| Top connections : | | | | |
| Bottom connections : | | | | |
| E. WELL CONTROL/SUBSEA EQUIPMENT | IMPERIAL | | METRIC | |
| E.1 LOWER RISER DIVERTER ASSEMBLY | | | | |
| (used when drilling for the surface casing) | | | | |
| Emergency Recovery System on LMRP | yes/no | | yes/no | |
| E.1.1 Hydraulic Connector | | | | |
| Manufacturer : | | | | |
| Size : | in | | mm | |
| Make : | | | | |
| Connector connection type - top : | | | | |
| Connector connection type - bottom : | | | | |
| Locking Profile: | | | | |
| Surface controlled hydraulic operated dump valves : | no. | | no. | |
| Size : | in | | mm | |
| Remote gasket relead function | yes/no | | yes/no | |
| E.1.2 Flex Joint/Riser Adaptor | | | | |
| Manufacturer : | | | | |
| Flex Joint : | | | | |
| Make : | | | | |
| Type : | | | | |
| Size : | in | | mm | |
| Max Deflection / Bending Moment: | degree | | degree | |
| Max Operating pressure: | | | | |
| Max Test pressure: | | | | |
| Max Operating Tension: | | | | |
| Max Tension: | | | | |
| Angular Spring Rate: | | | | |
| Max Water Depth: | | | | |
| Max Outer Diameter: | | | | |
| Weight: | | | | |
| Manufacturer : | | | | |

| | | | | COMMENTS 2024 |
|--|-------------|--|-------------|---------------|
| Riser Adaptor : | | | | |
| Make : | | | | |
| Type : | | | | |
| Size : | in | | mm | |
| E.2 PRIMARY BOP STACK (from bottom to top) | | | | |
| API 20E bolting : | yes/no | | yes/no | |
| Manufacturer : | | | | |
| Stack complete with : | | | | |
| - guide frame : | yes/no | | yes/no | |
| - pick up attachment : | yes/no | | yes/no | |
| - transport base : | yes/no | | yes/no | |
| Size (bore) : | in | | mm | |
| Working pressure : | psi | | bar | |
| H2S service : | yes/no | | yes/no | |
| CO2 service: | yes/no | | yes/no | |
| Number of rams: | no | | no | |
| Real time monitored onshore: | yes/no | | yes/no | |
| E.2.1 Alternate hydraulic connector | | | | |
| Manufacturer : | | | | |
| Alternate connector available : | yes/no | | yes/no | |
| Connector make/model : | | | | |
| Adaptor available : | yes/no | | yes/no | |
| Working pressure : | | | | |
| E.2.2 Hydraulic Wellhead Connector | | | | |
| Manufacturer : | | | | |
| Size (OD / ID): | in | | mm | |
| Make : | | | | |
| Type : | | | | |
| Connector connection type - top : | | | | |
| Connector connection type - bottom : | | | | |
| Locking Profile: | | | | |
| Max angle for disconnection: | | | | |
| Working pressure : | psi | | bar | |
| POCV | yes/no | | yes/no | |
| Accumulator to use sea water in emergency situation: | yes/no | | yes/no | |
| Max Bending moment: | | | | |
| Hot tap for underwater intervention : | yes/no | | yes/no | |
| Spare connector same type : | yes/no | | yes/no | |
| Gasket release function remote and ROV: | yes/no | | yes/no | |
| Glycol inlet : | yes/no | | yes/no | |
| Swallow : | in | | mm | |
| Funnel available : | yes/no | | yes/no | |
| E.2.3 Ram Type Preventers | | | | |
| Preventers : | | | | |
| Make : | | | | |
| Model : | | | | |
| Quantity : | no. | | no. | |
| Bore size : | in | | mm | |
| Working Pressure : | psi | | bar | |
| Max collapse pressure: | psi | | bar | |
| Max pressure from top to bottom direction: | psi | | bar | |
| Type (single/double/triple) : | | | | |
| Ram locks : | yes/no | | yes/no | |
| Preventer connection type - top : | | | | |
| Preventer connection type - bottom : | | | | |
| Side outlets : | | | | |
| Size : | in | | mm | |
| Connection type : | | | | |
| Bonnets: | | | | |
| Model: | | | | |
| Size: | | | | |
| Working Pressure : | psi | | bar | |
| Pipe rams : | | | | |
| Quantity : | no. | | no. | |
| Sizes : | in | | mm | |
| Thickness : | in | | mm | |
| Blind Shear rams : | | | | |
| Quantity : | no. | | no. | |
| Blind Shear capability: | | | | |
| Wireline / Flat pack / Hydraulic control lines, etc. | yes/no | | yes/no | |
| BHA: | yes/no | | yes/no | |
| Tool Joint: | yes/no | | yes/no | |
| Shear subs: | yes/no | | yes/no | |
| Casing Shear capability: | list of all | | list of all | |
| Max reverse pressue (top to bottom) | psi | | bar | |
| Casing Shear rams : | | | | |
| Quantity : | no. | | no. | |

| | | | | COMMENTS 2024 |
|--|----------------|--|----------------|---------------|
| Casing Shear capability: | | | | |
| Wireline / Flat pack / Hydraulic control lines, etc. | yes/no | | yes/no | |
| BHA: | yes/no | | yes/no | |
| Tool Joint: | yes/no | | yes/no | |
| Shear subs: | yes/no | | yes/no | |
| Casing Shear capability: | | | | |
| Max reverse pressure (top to bottom) | psi | | bar | |
| Variable rams : | | | | |
| Quantity : | no. | | no. | |
| Size range (max) : | in | | mm | |
| Size range (min) : | in | | mm | |
| Hangoff weight capacity : | lb | | kg | |
| E.2.4 Stack Configuration | | | | |
| (Blind/Shear/Pipe/Variable) | | | | |
| Top rams (Blinds): | | | | |
| Upper ram : | | | | |
| Range : | in to in | | mm to mm | |
| Shear capacity | | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | | mm | |
| Thickness : | in | | mm | |
| Middle ram : | | | | |
| Range : | in to in | | mm to mm | |
| Shear capacity | | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | | mm | |
| Thickness : | in | | mm | |
| Lower ram: | | | | |
| Range : | in to in | | mm to mm | |
| Shear capacity | | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | | mm | |
| Thickness : | in | | mm | |
| Lower rams (Pipes): | | | | |
| Upper ram : | (fixed or VBR) | | (fixed or VBR) | |
| Range : | in to in | | mm to mm | |
| Distance from the DATUM point (gasket of the WC connector) | | | | |
| Thickness : | in | | mm | |
| Middle ram : | (fixed or VBR) | | (fixed or VBR) | |
| Range : | in to in | | mm to mm | |
| Distance from the DATUM point (gasket of the WC connector) | | | | |
| Thickness : | in | | mm | |
| Lower ram : | (fixed or VBR) | | (fixed or VBR) | |
| Range : | in to in | | mm to mm | |
| Distance from the DATUM point (gasket of the WC connector) | | | | |
| Thickness : | in | | mm | |
| Hangoff ram (fixed or VBR): | in to in | | mm to mm | |
| Spacing between Hangoff ram and Lower blind ram : | in | | mm | |
| Position of side outlets - kill : | | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | | mm | |
| Position of side outlets - choke : | | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | | mm | |
| Position of side outlets - choke (gas bleed valve) : | | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | | mm | |
| E.2.5 Annular Type Preventer On Stack | | | | |
| Manufacturer: | | | | |
| Size : | in | | mm | |
| Working pressure : | psi | | bar | |
| Make : | | | | |
| Type : | | | | |
| Max negative pressure | | | | |
| Bleed Valve: | yes/no | | yes/no | |
| Volume between bleed valve and annular: | | | | |
| Close assist panel: | yes/no | | yes/no | |
| Max reverse pressure (top to bottom) : | psi | | bar | |
| Elastomer thickness : | in | | mm | |
| E.2.6 Mandrel | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| Size : | in | | mm | |
| Profile : | | | | |
| E.2.7 Fail-Safe Hydraulic Valves | | | | |
| (Kill and Choke) | | | | |
| Manufacturer: | | | | |
| Quantity on each side outlet : | no. | | no. | |
| Size (ID) : | in | | mm | |
| Make : | | | | |
| Type : | | | | |
| Working pressure : | psi | | bar | |

| | | | psi | bar | COMMENTS 2024 | |
|--|----------------------|--|----------------------|-----|---------------|--|
| Max negative pressure : | | | | | | |
| Solid block : | yes/no | | yes/no | | | |
| Close assist panel: | yes/no | | yes/no | | | |
| E.2.8 Subsea Accumulators | | | | | | |
| (See also E.7.1 - Surface Accumulator Unit) | | | | | | |
| Manufacturer: | | | | | | |
| Quantity : | no. | | no. | | | |
| Useful capacity per accumulator (w/o pre-charge) : | U.S. gal | | l | | | |
| Bottle working pressure : | psi | | bar | | | |
| Bottles separated for Acoustic and Autoshear systems: | yes/no | | yes/no | | | |
| Separated by: | ROV / Control System | | ROV / Control System | | | |
| ROV accumulator dump valve: | yes/no | | yes/no | | | |
| ROV pressure gauge: | yes/no | | yes/no | | | |
| Flying lead system: | yes/no | | yes/no | | | |
| E.2.9 Hydraulic Control Pod/Receptacles | | | | | | |
| Manufacturer: | | | | | | |
| Quantity : | no. | | no. | | | |
| Redundancy : | % | | % | | | |
| Color Coded : | yes/no | | yes/no | | | |
| Remote regulation of operating pressure for functions requiring lower operating pressure : | yes/no | | yes/no | | | |
| Spare control pod : | yes/no | | yes/no | | | |
| Flowmeter on each POD: | yes/no | | yes/no | | | |
| Flowmeter for High Pressure functions: | yes/no | | yes/no | | | |
| E.3 PRIMARY LOWER MARINE RISER PACKAGE | | | | | | |
| (From Bottom To Top) | | | | | | |
| Prepared for tethered system: | yes/no | | yes/no | | | |
| Manufacturer: | | | | | | |
| E.3.1 Hydraulic Connector | | | | | | |
| Manufacturer: | | | | | | |
| Make : | | | | | | |
| Type : | | | | | | |
| Size : | in | | mm | | | |
| Connector connection type - top : | | | | | | |
| Connector connection type - bottom : | | | | | | |
| Locking Profile: | | | | | | |
| Max angle for disconnection: | | | | | | |
| Working pressure : | psi | | bar | | | |
| Hot tap for underwater intervention : | yes/no | | yes/no | | | |
| Spare connector same type : | yes/no | | yes/no | | | |
| Gasket release function remote and ROV | yes/no | | yes/no | | | |
| E.3.2 Annular Type Preventer (LMRP) | | | | | | |
| Manufacturer: | | | | | | |
| Size : | in | | mm | | | |
| Working pressure : | psi | | bar | | | |
| Make : | | | | | | |
| Type : | | | | | | |
| Max negative pressure | | | | | | |
| Bleed Valve: | yes/no | | yes/no | | | |
| Volume between bleed valve and annular: | | | | | | |
| Close assist panel: | yes/no | | yes/no | | | |
| Max reverse pressure (top to bottom) : | psi | | bar | | | |
| E.3.3 Flex Joint | | | | | | |
| Manufacturer: | | | | | | |
| Make : | | | | | | |
| Type : | | | | | | |
| Size : | in | | mm | | | |
| Max Deflection / Bending Moment: | degree | | degree | | | |
| Max Operating pressure: | | | | | | |
| Max Negative pressure | psi | | bar | | | |
| Max Test pressure: | | | | | | |
| Max Operating Tension: | | | | | | |
| Max Tension: | | | | | | |
| Angular Spring Rate: | | | | | | |
| Max Water Depth: | | | | | | |
| Max Outer Diameter: | | | | | | |
| Weight: | | | | | | |
| E.3.4 Riser Adapter | | | | | | |
| Manufacturer: | | | | | | |
| Make : | | | | | | |
| Type : | | | | | | |
| Size : | in | | mm | | | |
| Max negative pressure | psi | | bar | | | |
| E.3.5 Connection Lines to Riser | | | | | | |

| | | | | COMMENTS 2024 |
|--|-------------|--|-------------|---------------|
| Type (rigid loops, coflexip, etc.) : | | | | |
| Max negative pressure : | psi | | bar | |
| E.4 SECONDARY BOP STACK (from bottom to top) | yes/no | | yes/no | |
| API 20E bolting : | yes/no | | yes/no | |
| Manufacturer: | | | | |
| Stack complete with : | | | | |
| - guide frame : | yes/no | | yes/no | |
| - pick up attachment : | yes/no | | yes/no | |
| - transport base : | yes/no | | yes/no | |
| Size (bore) : | in | | mm | |
| Working pressure : | psi | | bar | |
| H2S service : | yes/no | | yes/no | |
| CO2 service: | yes/no | | yes/no | |
| Number of rams: | no | | no | |
| Real time monitored onshore: | yes/no | | yes/no | |
| E.4.1 Alternate hydraulic connector | | | | |
| Manufacturer: | | | | |
| Alternate connector available : | yes/no | | yes/no | |
| Connector make/model : | | | | |
| Adaptor available : | yes/no | | yes/no | |
| Working pressure: | psi | | bar | |
| E.4.2 Hydraulic Wellhead Connector | | | | |
| Manufacturer : | | | | |
| Size : | in | | mm | |
| Make : | | | | |
| Type : | | | | |
| Connector connection type - top : | | | | |
| Connector connection type - bottom : | | | | |
| Locking Profile: | | | | |
| Max angle for disconnection: | | | | |
| Working pressure : | psi | | bar | |
| POCV | yes/no | | yes/no | |
| Accumulator to use sea water in emergency situation: | yes/no | | yes/no | |
| Max Bending moment: | | | | |
| Hot tap for underwater intervention : | yes/no | | yes/no | |
| Spare connector same type : | yes/no | | yes/no | |
| Gasket release function remote and ROV: | yes/no | | yes/no | |
| Glycol inlet : | yes/no | | yes/no | |
| E.4.3 Ram Type Preventers | | | | |
| Preventers : | | | | |
| Make : | | | | |
| Model : | | | | |
| Quantity : | no. | | no. | |
| Bore size : | in | | mm | |
| Working Pressure : | psi | | bar | |
| Max negative pressure: | psi | | bar | |
| Max pressure from top to bottom direction: | psi | | bar | |
| Type (single/double/triple) : | | | | |
| Ram locks : | yes/no | | yes/no | |
| Preventer connection type - top : | | | | |
| Preventer connection type - bottom : | | | | |
| Side outlets : | yes/no | | yes/no | |
| Size : | in | | mm | |
| Connection type : | | | | |
| Bonnets: | | | | |
| Model: | | | | |
| Size: | | | | |
| Working Pressure : | psi | | bar | |
| Pipe rams : | | | | |
| Quantity : | no. | | no. | |
| Sizes : | in | | mm | |
| Blind Shear rams : | | | | |
| Quantity : | no. | | no. | |
| Blind Shear capability: | list of all | | list of all | |
| Wireline / Flat pack / Hydraulic control lines, etc. | yes/no | | yes/no | |
| BHA: | yes/no | | yes/no | |
| Tool Joint: | yes/no | | yes/no | |
| Shear subs: | yes/no | | yes/no | |
| Casing Shear capability: | list of all | | list of all | |
| Max reverse pressue (top to bottom) : | psi | | bar | |
| Casing Shear rams : | | | | |
| Quantity : | no. | | no. | |
| Casing Shear capability: | | | | |
| Wireline / Flat pack / Hydraulic control lines, etc. : | yes/no | | yes/no | |
| BHA: | yes/no | | yes/no | |
| Tool Joint: | yes/no | | yes/no | |

| | yes/no | yes/no | COMMENTS 2024 |
|--|----------------|----------------|---------------|
| Shear subs: | list of all | list of all | |
| Casing Shear capability : | psi | bar | |
| Max reverse pressue (top to bottom) : | | | |
| Variable rams : | | | |
| Quantity : | no. | no. | |
| Size range (max) : | in | mm | |
| Size range (min) : | in | mm | |
| Hangoff weight capacity : | lb | kg | |
| E.4.4 Stack Configuration | | | |
| (Blind/Shear/Pipe/Variable) | | | |
| Top rams (Blinds): | | | |
| Upper ram : | | | |
| Range : | in to in | mm to mm | |
| Shear capacity | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | mm | |
| Thickness : | in | mm | |
| Middle ram : | | | |
| Range : | in to in | mm to mm | |
| Shear capacity | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | mm | |
| Thickness : | in | mm | |
| Lower ram: | | | |
| Range : | in to in | mm to mm | |
| Shear capacity | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | mm | |
| Thickness : | in | mm | |
| Lower rams (Pipes): | | | |
| Upper ram : | (fixed or VBR) | (fixed or VBR) | |
| Range : | in to in | mm to mm | |
| Distance from the DATUM point (gasket of the WC connector) | | | |
| Thickness : | in | mm | |
| Middle ram : | (fixed or VBR) | (fixed or VBR) | |
| Range : | in to in | mm to mm | |
| Distance from the DATUM point (gasket of the WC connector) | | | |
| Thickness : | in | mm | |
| Lower ram : | (fixed or VBR) | (fixed or VBR) | |
| Range : | in to in | mm to mm | |
| Distance from the DATUM point (gasket of the WC connector) | | | |
| Thickness : | in | mm | |
| Hangoff ram (fixed or VBR): | in to in | mm to mm | |
| Spacing between Hangoff ram and Lower blind ram : | in | mm | |
| Position of side outlets - kill : | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | mm | |
| Position of side outlets - choke : | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | mm | |
| Position of side outlets - choke (gas bleed valve) : | | | |
| Distance from the DATUM point (gasket of the WC connector) | in | mm | |
| E.4.5 Annular Type Preventer On Stack | | | |
| Manufacturer : | | | |
| Size : | in | mm | |
| Working pressure : | psi | bar | |
| Make : | | | |
| Type : | | | |
| Max negative pressure | | | |
| Bleed Valve: | yes/no | yes/no | |
| Volume between bleed valve and annular: | | | |
| Close assist panel: | yes/no | yes/no | |
| Max reverse pressue (top to bottom) : | psi | bar | |
| Elastomer thickness : | in | mm | |
| E.4.6 Mandrel | | | |
| Manufacturer : | | | |
| Make : | | | |
| Type : | | | |
| Size : | in | mm | |
| Profile : | | | |
| E.4.7 Fail-Safe Hydraulic Valves | | | |
| (Kill and Choke) | | | |
| Manufacturer : | | | |
| Quantity on each side outlet : | no. | no. | |
| Size (ID) : | in | mm | |
| Make : | | | |
| Type : | | | |
| Working pressure : | psi | bar | |
| Max negative pressure : | psi | bar | |
| Solid block : | yes/no | yes/no | |
| Close assist panel: | yes/no | yes/no | |

| E.4.8 Subsea Accumulators | | | | COMMENTS 2024 |
|--|----------------------|--|----------------------|---------------|
| (See also E.7.1 - Surface Accumulator Unit) : | | | | |
| Manufacturer : | | | | |
| Quantity : | no. | | no. | |
| Useful capacity per accumulator (w/o pre-charge) : | U.S. gal | | l | |
| Bottle working pressure : | psi | | bar | |
| Bottles separated for Acoustic and Autoshear systems: | yes/no | | yes/no | |
| Separated by: | ROV / Control System | | ROV / Control System | |
| ROV accumulator dump valve: | yes/no | | yes/no | |
| ROV pressure gauge: | yes/no | | yes/no | |
| Flying lead system | yes/no | | yes/no | |
| E.4.9 Hydraulic Control Pod/Receptacles | | | | |
| Manufacturer : | | | | |
| Quantity : | no. | | no. | |
| Redundancy : | % | | % | |
| Color Coded : | yes/no | | yes/no | |
| Remote regulation of operating pressure for functions requiring lower operating pressure : | yes/no | | yes/no | |
| Spare control pod : | yes/no | | yes/no | |
| Flowmeter on each POD: | yes/no | | yes/no | |
| Flowmeter for High Pressure functions: | yes/no | | yes/no | |
| E.5 SECONDARY LOWER MARINE RISER PACKAGE (From Bottom To Top) | | | | |
| Prepared for tethered system: | yes/no | | yes/no | |
| Manufacturer: | | | | |
| E.5.1 Hydraulic Connector | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| Size : | in | | mm | |
| Connector connection type - top : | | | | |
| Connector connection type - bottom : | | | | |
| Locking Profile: | | | | |
| Max angle for disconnection: | | | | |
| Working pressure : | psi | | bar | |
| Hot stab for underwater intervention : | yes/no | | yes/no | |
| Spare connector same type : | yes/no | | yes/no | |
| Gasket release function remote and ROV | yes/no | | yes/no | |
| E.5.2 Annular Type Preventer (LMRP) | | | | |
| Manufacturer: | | | | |
| Size : | in | | mm | |
| Working pressure : | psi | | bar | |
| Make : | | | | |
| Type : | | | | |
| Max negative pressure | | | | |
| Bleed Valve: | yes/no | | yes/no | |
| Volume between bleed valve and annular: | | | | |
| Close assist panel: | yes/no | | yes/no | |
| Max reverse pressure (top to bottom) : | psi | | bar | |
| E.5.3 Flex Joint | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| Size : | in | | mm | |
| Max Deflection / Bending Moment : | degree | | degree | |
| Max Operating pressure: | psi | | bar | |
| Max negative pressure : | psi | | bar | |
| Max Test pressure: | psi | | bar | |
| Max Operating Tension: | lb | | kg | |
| Max Tension: | lb | | kg | |
| Angular Spring Rate: | | | | |
| Max Water Depth: | m | | m | |
| Max Outer Diameter: | in | | mm | |
| Weight: | lb | | kg | |
| E.5.4 Riser Adapter | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| Size : | in | | mm | |
| Max negative pressure : | psi | | bar | |
| E.5.5 Connection Lines to Riser | | | | |
| Type (rigid loops, coflexip, etc.) : | | | | |
| E.6 PRIMARY MARINE RISER SYSTEM | | | | |

| | | | | COMMENTS 2024 |
|--|--------|--|--------|---------------|
| E.6.1 Marine Riser Joints | | | | |
| API 20E bolting : | yes/no | | yes/no | |
| Manufacturer: | | | | |
| Make : | | | | |
| Model: | | | | |
| Type (Clip/Bolted) : | | | | |
| OD : | in | | mm | |
| ID : | in | | mm | |
| Wall thickness : | in | | mm | |
| Average length of each joint : | ft | | m | |
| Weight of one complete joint (in air) : | lb | | kg | |
| Quantity : | no. | | no. | |
| Pipe material : | grade | | grade | |
| Minimum yield strength : | psi | | bar | |
| Type riser connectors : | | | | |
| Dogs : | no. | | no. | |
| Max collapse pressure: | psi | | bar | |
| Loading capacity: | | | | |
| Burst Pressure : | | | | |
| Pup joints : | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Model : | | | | |
| Quantity : | no. | | no. | |
| OD : | in | | mm | |
| ID : | in | | mm | |
| Wall thickness : | in | | mm | |
| Average length of each joint : | ft | | m | |
| Weight of one complete joint (in air) : | lb | | kg | |
| Quantity : | no. | | no. | |
| Pipe material : | grade | | grade | |
| Minimum yield strength : | psi | | bar | |
| Type riser connectors : | | | | |
| Dogs : | no. | | no. | |
| Max collapse pressure: | psi | | bar | |
| Loading capacity: | | | | |
| E.6.2 Telescopic Joint | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| Size (ID) : | in | | mm | |
| Stroke : | ft | | m | |
| Qty of packers: | | | | |
| Auto switch over implemented | yes/no | | yes/no | |
| Fluid Collector: | yes/no | | yes/no | |
| Location : | | | | |
| Rotating support ring for riser tensioners : | type | | type | |
| Connection points : | no. | | no. | |
| Third barrier available : | yes/no | | yes/no | |
| E.6.3 Kill/Choke Lines | | | | |
| Quantity : | no. | | no. | |
| Outside diameter : | in | | mm | |
| Inside diameter : | in | | mm | |
| Working pressure : | psi | | bar | |
| Kill/Choke lines material : | | | | |
| E.6.4 Booster Lines (If Fitted) | | | | |
| Quantity : | no. | | no. | |
| Outside diameter : | in | | mm | |
| Inside diameter : | in | | mm | |
| Working pressure : | psi | | bar | |
| E.6.5 Hydraulic Supply Lines | | | | |
| Quantity : | no. | | no. | |
| Outside Diameter : | in | | mm | |
| Inside Diameter : | in | | mm | |
| Working pressure : | psi | | bar | |
| E.6.6 Upper Ball (Flex) Joint | | | | |
| Manufacturer: | | | | |
| Flex Joint : | | | | |
| Make : | | | | |
| Type : | | | | |
| Size : | in | | mm | |
| Max Deflection : | degree | | degree | |
| Max Operating pressure: | | | | |
| Max Test pressure: | | | | |
| Max Operating Tension: | | | | |
| Max Tension: | | | | |
| Angular Spring Rate: | | | | |

| | | | | COMMENTS 2024 |
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| Max Water Depth: | | | | |
| Max Outer Diameter: | | | | |
| Weight: | | | | |
| E.6.7 Buoyancy Modules (If Fitted) | | | | |
| Manufacturer: | | | | |
| Quantity of buoyed riser joints : | no. | | no. | |
| Riser tub OD : | in | | mm | |
| OD of buoyed riser joints : | in | | mm | |
| Length of each module : | ft | | m | |
| Volume of each module : | ft3 | | m3 | |
| Buoyancy in seawater : | st / ft3 | | st / m3 | |
| Rated water depth : | ft | | m | |
| E.6.8 Marine Riser Spider | | | | |
| Manufacturer: | | | | |
| Type : | | | | |
| Load capacity : | lb | | kg | |
| E.6.9 Marine Riser Gimbal | | | | |
| Manufacturer: | | | | |
| Type : | | | | |
| Load capacity : | lb | | kg | |
| E.6.10 Riser Handling / Running Tools | | | | |
| Quantity : | no. | | no. | |
| Type : | Manual / Hydraulic | | Manual / Hydraulic | |
| Working load : | | | | |
| E.6.11 Riser Test Tools | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Type : | | | | |
| Working pressure : | psi | | bar | |
| E.6.12 Instrumented Riser Joint | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Length : | ft | | m | |
| Functions : | | | | |
| Tension : | yes/no | | yes/no | |
| Mud temp : | yes/no | | yes/no | |
| Mud weight : | yes/no | | yes/no | |
| Other : | | | | |
| E.6.13 Riser Flood/Fill System | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Length : | ft | | m | |
| Automatic operation : | yes/no | | yes/no | |
| Manual override : | yes/no | | yes/no | |
| No. of inlet valves : | no. | | no. | |
| Size of valves (ID) : | in | | mm | |
| E.6.14 MPD Joint (See Section N.2.1) | | | | |
| E.7 SECONDARY MARINE RISER SYSTEM | | | | |
| E.7.1 Marine Riser Joints | | | | |
| API 20E bolting : | yes/no | | yes/no | |
| Manufacturer: | | | | |
| Model : | | | | |
| OD : | in | | mm | |
| ID : | in | | mm | |
| Wall thickness : | in | | mm | |
| Average length of each joint : | ft | | m | |
| Weight of one complete joint (in air) : | lb | | kg | |
| Quantity : | no. | | no. | |
| Pipe material : | grade | | grade | |
| Minimum yield strength : | psi | | bar | |
| Type riser connectors : | | | | |
| Dogs : | no. | | no. | |
| Max collapse pressure: | psi | | bar | |
| Loading capacity: | | | | |
| Pup joints : | | | | |
| Manufacturer: | | | | |

| | | | | COMMENTS 2024 |
|--|----------|--|---------|---------------|
| Model : | | | | |
| Quantity : | no. | | no. | |
| OD : | in | | mm | |
| ID : | in | | mm | |
| Wall thickness : | in | | mm | |
| Average length of each joint : | ft | | m | |
| Weight of one complete joint (in air) : | lb | | kg | |
| Quantity : | no. | | no. | |
| Pipe material : | grade | | grade | |
| Minimum yield strength : | psi | | bar | |
| Type riser connectors : | | | | |
| Dogs : | no. | | no. | |
| Max collapse pressure: | psi | | bar | |
| Loading capacity: | | | | |
| E.7.2 Telescopic Joint | | | | |
| Manufacturer: | | | | |
| Type : | | | | |
| Size (ID) : | in | | mm | |
| Stroke : | ft | | m | |
| Spare : | yes/no | | yes/no | |
| Qty of packers: | | | | |
| Auto switch over implemented | yes/no | | yes/no | |
| Fluid Collector: | yes/no | | yes/no | |
| Location : | | | | |
| Rotating support ring for riser tensioners : | type | | type | |
| Connection points : | no. | | no. | |
| Ecopacker available: | yes/no | | yes/no | |
| E.7.3 Kill/Choke Lines | | | | |
| Quantity : | no. | | no. | |
| Outside diameter : | in | | mm | |
| Inside diameter : | in | | mm | |
| Working pressure : | psi | | bar | |
| E.7.4 Booster Lines (If Fitted) | | | | |
| Quantity : | no. | | no. | |
| Outside diameter : | in | | mm | |
| Inside diameter : | in | | mm | |
| Working pressure : | psi | | bar | |
| E.7.5 Hydraulic Supply Lines | | | | |
| Quantity : | no. | | no. | |
| Outside Diameter : | in | | mm | |
| Inside Diameter : | in | | mm | |
| Working pressure : | psi | | bar | |
| E.7.6 Upper Ball (Flex) Joint | | | | |
| Manufacturer: | | | | |
| Flex Joint : | | | | |
| Make : | | | | |
| Type : | | | | |
| Size : | in | | mm | |
| Max Deflection : | degree | | degree | |
| Max Operating pressure: | | | | |
| Max Test pressure: | | | | |
| Max Operating Tension: | | | | |
| Max Tension: | | | | |
| Angular Spring Rate: | | | | |
| Max Water Depth: | | | | |
| Max Outer Diameter: | | | | |
| Weight: | | | | |
| E.7.7 Buoyancy Modules (If Fitted) | | | | |
| Manufacturer: | | | | |
| Quantity of buoyed riser joints : | no. | | no. | |
| OD of buoyed riser joints : | in | | mm | |
| Length of each module : | ft | | m | |
| Volume of each module : | ft3 | | m3 | |
| Buoyancy in seawater : | st / ft3 | | st / m3 | |
| Rated water depth : | ft | | m | |
| E.7.8 Marine Riser Spider | | | | |
| Manufacturer: | | | | |
| Type : | | | | |
| Load capacity : | lb | | kg | |
| E.7.9 Marine Riser Gimbal | | | | |
| Manufacturer: | | | | |
| Type : | | | | |
| Load capacity : | lb | | kg | |

| E.7.10 Riser Handling / Running Tools | | | | COMMENTS 2024 |
|---|--------------------|--|--------------------|---------------|
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Type : | Manual / Hydraulic | | Manual / Hydraulic | |
| Load capacity : | lb | | kg | |
| E.7.11 Riser Test Tools | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Type : | | | | |
| Working pressure: | psi | | bar | |
| E.7.12 Instrumented Riser Joint | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Type : | | | | |
| Length : | ft | | m | |
| Functions : | | | | |
| Tension : | yes/no | | yes/no | |
| Mud temp : | yes/no | | yes/no | |
| Mud weight : | yes/no | | yes/no | |
| Other : | | | | |
| E.7.13 Riser Flood/Fill System | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Type : | | | | |
| Length : | ft | | m | |
| Automatic operation : | yes/no | | yes/no | |
| Manual override : | yes/no | | yes/no | |
| No. of inlet valves : | no. | | no. | |
| Size of valves (ID) : | in | | mm | |
| E.8 DIVERTER BOP | | | | |
| (For installation in fixed bell nipple) | | | | |
| Manufacturer: | | | | |
| Type : | | | | |
| Max Bore Size : | in | | mm | |
| Working pressure : | psi | | bar | |
| Number of diverter outlets : | no. | | no. | |
| Outlet OD : | in | | mm | |
| Insert packer size ID : | in | | mm | |
| Possible close without element in the thru bore: | yes/no | | yes/no | |
| E.8.1 Diverter Flowlines | | | | |
| Quantity : | no. | | no. | |
| OD of flowlines : | in | | mm | |
| Running from diverter to : | | | | |
| Valve types : | | | | |
| Size : | in | | mm | |
| Working pressure : | psi | | bar | |
| Control valve type (air/hydraulic/etc.) : | | | | |
| Remote controlled from : | location | | location | |
| | location | | location | |
| Starboard and Port side vent lines | yes/no | | yes/no | |
| Early kick detection / Coriolis on main flow line | yes/no | | yes/no | |
| E.8.2 Diverter Control Panels | | | | |
| Driller's panel : | | | | |
| Make : | | | | |
| Model : | | | | |
| Location : | | | | |
| Locking/unclocking control : | yes/no | | yes/no | |
| Remote panel : | | | | |
| Make : | | | | |
| Model : | | | | |
| Location : | | | | |
| Locking/unclocking control : | yes/no | | yes/no | |
| Software Interlocks | list of all | | list of all | |
| E.9 SUBSEA SUPPORT SYSTEM | | | | |
| E.9.1 Riser Tensioners | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | Wireline, DAT | | Wireline, DAT | |
| Recoil system (yes, no) | yes/no | | yes/no | |
| Capacity each tensioner : | st | | st | |
| Total Capacity (all tensioners) | st | | st | |

| | degrees | | degrees | COMMENTS 2024 |
|---|----------|--|---------|---------------|
| Fleet angle : | | | | |
| Maximum stroke : | ft | | m | |
| Wireline size : | in | | mm | |
| Line travel : | ft | | m | |
| Max Operating pressure: | psi | | bar | |
| Independent air compressors : | yes/no | | yes/no | |
| Quantity air compressors : | no. | | no. | |
| Independent air drying unit : | yes/no | | yes/no | |
| Quantity air drying unit : | no. | | no. | |
| E.9.2 Guideline System | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Capacity each tensioner : | st | | st | |
| Total Capacity (all tensioners) | st | | st | |
| Maximum stroke : | ft | | m | |
| Wireline size : | in | | mm | |
| Max Operating pressure: | psi | | bar | |
| Line travel : | ft | | m | |
| Line storage drums with tensioners : | yes/no | | yes/no | |
| E.9.3 Remote Guideline Replacement Tool | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| E.9.4 Remote Guideline Cutting Tool | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| E.9.5 Pod Line Tensioners | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Capacity each/tensioner : | st | | st | |
| Maximum stroke : | ft | | m | |
| Wireline size : | in | | mm | |
| Line travel : | ft | | m | |
| E.9.6 Tensioner Air Pressure Vessels | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Total capacity : | ft3 | | m3 | |
| Rated working pressure : | psi | | bar | |
| Pressure relief valve installed : | yes/no | | yes/no | |
| E.9.7 Compensator Air Pressure Vessels | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Total capacity : | ft3 | | m3 | |
| Rated working pressure : | psi | | bar | |
| Pressure relief valve installed : | yes/no | | yes/no | |
| E.9.8 Stand by Air Pressure Vessels | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Total capacity : | ft3 | | m3 | |
| Rated working pressure : | psi | | bar | |
| Pressure relief valve installed : | yes/no | | yes/no | |
| E.10 BOP CONTROL SYSTEM | | | | |
| Integrated with Dynamic Positioning for watch cycles : | yes/no | | yes/no | |
| Automated disconnection ability | yes/no | | yes/no | |
| E.10.1 Surface Accumulator Unit | | | | |
| (See also E.2.8 & E.4.8 - Subsea Accumulators) | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Location : | | | | |
| Soluble oil reservoir capacity : | U.S. gal | | l | |
| Oil/water mix.capacity : | gpm | | l / min | |
| Glycol reservoir capacity : | U.S. gal | | l | |
| No. of bottles installed : | no. | | no. | |
| Useful capacity per accumulator (w/o pre-charge) : | U.S. gal | | l | |
| Bottle working pressure : | psi | | bar | |

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| Control manifold model : | | | | |
| Regulator type : | | | | |
| Total useful accumulator volume (surface and stack) : | | | | |
| equals all preventer opening and closing volumes : | yes/no | | yes/no | |
| Plus percent additional volume : | % | | % | |
| E.10.2 Accumulator Hydraulic Pumps | | | | |
| Electric Driven : | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type: | | | | |
| Model : | | | | |
| Each driven by motor of power : | hp | | hp | |
| Flow rate of each pump : | gpm | | l / min | |
| At minimum operating pressure : | psi | | bar | |
| Time to charge 0psi to WP | psi | | bar | |
| Air Driven : | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Each driven by motor of power : | hp | | hp | |
| Flow rate of each pump : | gpm | | l / min | |
| At minimum operating pressure : | psi | | bar | |
| E.10.3 Driller's Control Panel | | | | |
| Graphic control panel at driller's position showing subsea functions with controls for the following functions of the BOP stack : | | | | |
| Type (Touch panel, Buttons, etc.) : | | | | |
| Marine riser connector : | yes/no | | yes/no | |
| All annular type BOP's : | yes/no | | yes/no | |
| All ram type BOP's : | yes/no | | yes/no | |
| Lock for ram type BOPs : | yes/no | | yes/no | |
| Wellhead and LMRP connector : | yes/no | | yes/no | |
| Inner and outer kill and choke line valves : | yes/no | | yes/no | |
| Low acc. pressure warning : | yes/no | | yes/no | |
| Low reservoir level warning : | yes/no | | yes/no | |
| Low rig air pressure warning : | yes/no | | yes/no | |
| Pressure regulator for BOP manifold : | yes/no | | yes/no | |
| Pressure regulator for annular : | yes/no | | yes/no | |
| Flowmeter : | yes/no | | yes/no | |
| Quantity of pressure gauges : | no. | | no. | |
| Emergency push button for automatic EDS sequencies : | | | | |
| Quantity of EDS sequencies | | | | |
| Other control functions : | yes/no | | yes/no | |
| Control panel make : | | | | |
| Control panel model : | | | | |
| Tool pusher's panel mimic of driller's panel | yes/no | | yes/no | |
| E.10.4 Remote Control Panels | | | | |
| Type (Touch panel, Buttons, etc.) : | | | | |
| Ability to operate main closing unit valves directly : | yes/no | | yes/no | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Locations : | | | | |
| Operating System Routing (Direct/via Primary Control Panel) : | | | | |
| E.11 SUBSEA CONTROL SYSTEM | | | | |
| E.11.1 Hose Reels | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Location : | | | | |
| Make : | | | | |
| Type : | | | | |
| Maximum storage length each : | ft | | m | |
| Drive motor type : | | | | |
| Break type : | | | | |
| E.11.2 Pod Hose | | | | |
| Location : | | | | |
| Length : | ft | | m | |
| OD hose : | in | | mm | |
| Control line ID : | in | | mm | |
| Quantity total : | no. | | no. | |
| Quantity spare (when new) : | no. | | no. | |
| Control line ID : | in | | mm | |
| Quantity total : | no. | | no. | |
| Quantity spare (when new) : | no. | | no. | |
| Control line ID : | in | | mm | |
| Quantity total : | no. | | no. | |
| Quantity spare (when new) : | no. | | no. | |

| | | | | COMMENTS 2024 |
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| E.11.3 Pod Hose Manifold | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Model : | | | | |
| Surface test stump : | | | | |
| | yes/no | | yes/no | |
| E.11.4 Surface Test Pod | | | | |
| | yes/no | | yes/no | |
| E.12 EMERGENCY BACK-UP SYSTEMS | | | | |
| E.12.1 Acoustic Emergency BOP Control System | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Model : | | | | |
| Type (Fixed/Portable) : | | | | |
| Maximum water Depth | | | | |
| BOP Transponders | | | | |
| | no. | | no. | |
| Number of functions : | | | | |
| | no. | | no. | |
| Functions: | | | | |
| | list of all | | list of all | |
| Function to Acoustic Isolate remote: | | | | |
| | yes/no | | yes/no | |
| Function to Acoustic Isolate ROV: | | | | |
| | yes/no | | yes/no | |
| ROV pressure gauge: | | | | |
| | yes/no | | yes/no | |
| Accumulator dedicated: | | | | |
| | yes/no | | yes/no | |
| E.12.2 Rov Hot Stab System | | | | |
| Manufacturer: | | | | |
| Number of Panels : | | | | |
| Number of functions : | | | | |
| Type: | | | | |
| ROV Hiflow: | | | | |
| | yes/no | | yes/no | |
| ROV Flying lead: | | | | |
| | yes/no | | yes/no | |
| Functions: | | | | |
| | lis of all | | lis of all | |
| Function to Acoustic Isolate remote: | | | | |
| | yes/no | | yes/no | |
| Function to Acoustic Isolate ROV: | | | | |
| | yes/no | | yes/no | |
| ROV pressure gauge: | | | | |
| | yes/no | | yes/no | |
| Accumulator dedicated: | | | | |
| | yes/no | | yes/no | |
| E.12.3 Autoshear | | | | |
| Functions: | | | | |
| | list of all | | list of all | |
| Function to Autoshear Isolate remote: | | | | |
| | yes/no | | yes/no | |
| Function to Autoshear Isolate ROV: | | | | |
| | yes/no | | yes/no | |
| ROV pressure gauge: | | | | |
| | yes/no | | yes/no | |
| Accumulator dedicated: | | | | |
| | yes/no | | yes/no | |
| Working Pressure for High Pressure: | | | | |
| E.12.4 Deadman | | | | |
| | yes/no | | yes/no | |
| Subsea testing available: | | | | |
| | yes/no | | yes/no | |
| Functions (List all applicable) : | | | | |
| E.13 SUBSEA AUXILIARY EQUIPMENT | | | | |
| E.13.1 Hole Position Indicator | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| Quantity of monitors : | | | | |
| | no. | | no. | |
| Monitor location : | | | | |
| Monitor location : | | | | |
| Recorder : | | | | |
| | yes/no | | yes/no | |
| E.13.2 Riser Angle Indicator | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Type : | | | | |
| Quantity of monitors : | | | | |
| | no. | | no. | |
| Monitor location : | | | | |
| Monitor location : | | | | |
| Recorder : | | | | |
| | yes/no | | yes/no | |
| E.13.3 Slope Indicators | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Quantity : | | | | |
| | no. | | no. | |
| Provision for installation on : | | | | |
| BOP : | | | | |
| | yes/no | | yes/no | |
| Pin Connector : | | | | |
| | yes/no | | yes/no | |
| Other : | | | | |
| E.13.4 Underwater TV System | | | | |
| Manufacturer: | | | | |

| | | | | COMMENTS 2024 |
|--|---------|--|---------|---------------|
| Make : | | | | |
| Type : | | | | |
| Quantity of TV monitors : | no. | | no. | |
| Monitor location : | | | | |
| Monitor location : | | | | |
| Reels/cables for maximum water depth : | ft | | m | |
| TV frame type : | | | | |
| Pan/tilt unit : | yes/no | | yes/no | |
| Spare camera : | yes/no | | yes/no | |
| Spare cable : | yes/no | | yes/no | |
| E.14 CHOKE MANIFOLD | | | | |
| E.14.1 Choke Manifold | | | | |
| (For instrumentation, see H.3) | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Minimum ID : | in | | mm | |
| Maximum WP : | psi | | bar | |
| H2S service : | yes/no | | yes/no | |
| Quantity of buffer chambers : | no. | | no. | |
| Adjustable choke seal capacity : | yes/no | | yes/no | |
| Quantity of fixed chokes : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Size (ID) : | in | | mm | |
| Quantity of adjustable chokes : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Size (ID) : | in | | mm | |
| Quantity of power chokes : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Size (ID) : | in | | mm | |
| Power choke remote control panel : | yes/no | | yes/no | |
| Make : | | | | |
| Model : | | | | |
| Location : | | | | |
| Glycol injection : | yes/no | | yes/no | |
| Alternative power supply available : | yes/no | | yes/no | |
| Manual override : | yes/no | | yes/no | |
| E.14.2 Flexible Lines (Drape Hoses) | | | | |
| (Connecting riser to drilling unit) | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| ID : | in | | mm | |
| Working pressure/test pressure : | psi | | bar | |
| Swivels (both sides): | yes/no | | yes/no | |
| Capacity to turn with the vessel : | degrees | | degrees | |
| Fire retardant as per API 16C : | yes/no | | yes/no | |
| E.15 BOP TESTING EQUIPMENT | | | | |
| E.15.1 Hydraulic BOP Test Pump | | | | |
| Manufacturer: | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Pressure rating : | psi | | bar | |
| Flow rate : | | | | |
| Chart recorder : | yes/no | | yes/no | |
| Lifting table : | yes/no | | yes/no | |
| E.15.1 BOP Test Stump | | | | |
| Manufacturer: | | | | |
| Quantity : | no. | | no. | |
| Test pressure : | psi | | bar | |
| Type : | | | | |
| Size : | in | | mm | |
| Connected to deck (welded/bolted) : | | | | |
| Lifting table : | yes/no | | yes/no | |
| E.16 WELLHEAD RUNNING/RETRIEVING/TESTING TOOLS (RT/RR/TT) | | | | |
| Manufacturer: | | | | |
| Wellhead make : | | | | |
| Wellhead type : | | | | |
| Wellhead size : | in | | mm | |
| Pressure rating : | psi | | bar | |
| E.16.1 RT's For Casing Installation | | | | |
| Mechanical RT - casing housing sizes : | in | | mm | |
| Hydraulic RT - casing housing sizes : | in | | mm | |

| | | | |
|---|---------------|-----------------|----------------------|
| Pack Off RT - casing housing sizes : | in | mm | COMMENTS 2024 |
| Hanger RT - casing hanger sizes : | in | mm | |
| Hanger RT - casing type : | | | |
| Seal Assembly RT - casing sizes : | in | mm | |
| E.16.2 RRT's For Casing Installation | | | |
| Seal Assembly RRT - casing sizes : | in | mm | |
| Wear Bushing RRT - casing sizes : | in | mm | |
| Seat Protector RRT - casing sizes : | in | mm | |
| E.16.3 Miscellaneous Tools | | | |
| Temporary guide base RT : | yes/no | yes/no | |
| BOP stack TT : | yes/no | yes/no | |
| Multi-purpose TT : | yes/no | yes/no | |
| Conductor casing jetting head : | yes/no | yes/no | |
| Clean out tool : | yes/no | yes/no | |
| Lock ring wellhead release tool : | yes/no | yes/no | |
| Seal assembly torque tool : | yes/no | yes/no | |
| Utility guide frame : | yes/no | yes/no | |
| Guide frame adaptor sizes : | | | |
| E.16.4 Drill Pipe Hang-Off Subs | | | |
| OD drill pipe : | in | mm | |
| Quantity : | no. | no. | |
| Connection type : | | | |
| Grade : | | | |
| Hang off Method (sq. shoulder/doughnut) : | | | |
| E.16.5 Mini Hose Bundle for use with hydraulic running tools | | | |
| Control line ID : | in | mm | |
| Quantity of lines : | no. | no. | |
| Control line ID : | in | mm | |
| Quantity of lines : | no. | no. | |
| E.16.6 Emergency BOP Recovery System | | | |
| Manufacturer: | | | |
| Emergency BOP recovery system : | yes/no | yes/no | |
| Make : | | | |
| Type : | | | |
| Capacity : | | | |
| Location (LMRP, Lower BOP, both) : | | | |
| F. MUD SYSTEM / BULK SYSTEM | | IMPERIAL | IMPERIAL |
| F.1 HIGH PRESSURE MUD SYSTEM | | | |
| System working pressure : | psi | bar | |
| System test pressure : | psi | bar | |
| Built to which design standard : | | | |
| Max mud weight allowable : | ppg | ppg | |
| F.1.1 Mud Pumps | | | |
| Quantity : | no. | no. | |
| Manufacturer : | | | |
| Make : | | | |
| Model : | | | |
| Type (Triplex / Duplex / Hexa etc) : | | | |
| Action type: | single/double | single/double | |
| Liner sizes available : | in | mm | |
| Stroke length: | in | mm | |
| Mud pump drive motors : | no. | no. | |
| Motor type : | | | |
| Continuous power rating per motor : | hp | hp | |
| Fluid end : | type | type | |
| Maximum working pressure : | psi | bar | |
| Test pressure : | psi | bar | |
| Flow meter (Coriolis) : | yes / no | yes / no | |
| Pump stroke counter : | type | type | |
| Supercharging pump : | type | type | |
| Driven by motor of power : | hp | hp | |
| Discharge/Suction line ID : | in/in | mm/mm | |
| M.P. Pulsation Dampener : | type | type | |
| Location (suction / discharge) : | text | text | |
| Reset Relief Valve (electronic / rupture disc) : | type | type | |
| Working flowrate per pump at 90% of max spm : | | | |
| Liner Size : | in to in | mm to mm | |
| Pump speed (90% of max.): | spm | spm | |
| Pump pressure : | psi | bar | |
| Working flowrate @ 100% volumetric output : | gpm | l / min | |
| Min spm : | spm | spm | |
| F.1.2 Transfer Pumps/Mixing Pumps | | | |
| Transfer Pumps : | | | |

| | | | | COMMENTS 2024 |
|---|---------|--|---------|---------------|
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Capacity: | gal/min | | l/min | |
| Pressure: | psi | | bar | |
| Temperature range: | °F - °F | | °C - °C | |
| Drive motor type : | | | | |
| Power output : | hp | | hp | |
| Mixing Pumps : | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Capacity: | gal/min | | l/min | |
| Pressure: | psi | | bar | |
| Temperature range: | °F - °F | | °C - °C | |
| Drive motor type : | | | | |
| Power output : | hp | | hp | |
| F.1.3 Booster Pump | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Make : | | | | |
| Type: | | | | |
| Pumping capacity (each) : | gpm | | l / min | |
| Pressure: | psi | | bar | |
| Temperature range: | °F - °F | | °C - °C | |
| Drive motor type : | | | | |
| Power output : | hp | | hp | |
| F.1.4 Standpipe Manifold | | | | |
| Quantity of standpipes : | no. | | no. | |
| Manufacturer : | | | | |
| Standpipes ID : | in | | mm | |
| H-Type standpipe manifold : | yes/no | | yes/no | |
| Kill line outlet : | yes/no | | yes/no | |
| Fill-up/bleed-off line outlet : | yes/no | | yes/no | |
| Outlets (total) : | no. | | no. | |
| ID : | in | | mm | |
| Type connections : | | | | |
| Dimensions OD x ID : | in x in | | mm x mm | |
| Design standard : | | | | |
| Pressure rating : | psi | | bar | |
| Acid line from deck to standpipe : | yes/no | | yes/no | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| ID : | in | | mm | |
| Low pressure mudline from pits to rig stern : | yes/no | | yes/no | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| ID : | in | | mm | |
| F.1.5 Rotary Hoses | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Make : | | | | |
| Type : | | | | |
| Length : | ft | | m | |
| ID : | in | | mm | |
| Snubbing lines : | yes/no | | yes/no | |
| Maximum working pressure : | psi | | bar | |
| Minimum bend radius : | in | | mm | |
| Emergency fill up device : | | | | |
| Slot for addition of mud pump dedicated to the booster line : | yes/no | | yes/no | |
| F.1.6 Cementing Hose | | | | |
| Manufacturer : | | | | |
| Make : | | | | |
| Type (i.e. Coffexip) : | | | | |
| Length : | ft | | m | |
| ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| F.1.7 Chiksan Steel Hoses | | | | |
| Manufacturer : | | | | |
| Make : | | | | |
| Type : | | | | |
| Integral non-screwed : | yes/no | | yes/no | |
| ID : | in | | mm | |

| | | | ft | m | COMMENTS 2024 | |
|---|--|--------------------------|----|--------------------------|---------------|--|
| Section length : | | ft | | m | | |
| Quantity : | | no. | | no. | | |
| Section length : | | ft | | m | | |
| Quantity : | | no. | | no. | | |
| Sweep swivels, make/type : | | | | | | |
| Nom. size ID : | | in | | mm | | |
| Fittings, non-screwed type : | | yes/no | | yes/no | | |
| Suitable for H2S service : | | yes/no | | yes/no | | |
| Suitable for CO2 service: | | yes/no | | yes/no | | |
| F.2 LOW PRESSURE MUD SYSTEM | | | | | | |
| F.2.1 Mud Tanks | | | | | | |
| Quantity : | | no. | | no. | | |
| Total capacity : | | bbbl | | m3 | | |
| Space and connection to allow installing filtration units near mud pits : | | yes/no | | yes/no | | |
| Max mud weight allowable : | | ppg | | ppg | | |
| Tank No. 1 : | | | | | | |
| Manufacturer : | | | | | | |
| Capacity: | | bbbl | | m3 | | |
| Type : | | active/reserve | | active/reserve | | |
| Dimensions (L x W x H): | | in x in x in | | mm x mm x mm | | |
| Sensors : | | | | | | |
| Quantity : | | no. | | no. | | |
| Type : | | laser / sonic / infrared | | laser / sonic / mmfrared | | |
| Mud agitator : | | yes/no | | yes/no | | |
| Quantity | | | | | | |
| Make : | | | | | | |
| Model : | | | | | | |
| Driven by electric motor of power : | | kw | | kw | | |
| Mud gun : | | yes/no | | yes/no | | |
| Transfer pump : | | yes/no | | yes/no | | |
| Tank No. 2 : | | | | | | |
| Manufacturer : | | | | | | |
| Capacity: | | bbbl | | m3 | | |
| Type : | | active/reserve | | active/reserve | | |
| Dimensions (L x W x H): | | in x in x in | | mm x mm x mm | | |
| Sensors : | | | | | | |
| Quantity : | | no. | | no. | | |
| Type : | | laser / sonic / infrared | | laser / sonic / mmfrared | | |
| Mud agitator : | | yes/no | | yes/no | | |
| Quantity | | | | | | |
| Make : | | | | | | |
| Model : | | | | | | |
| Driven by electric motor of power : | | kw | | kw | | |
| Mud gun : | | yes/no | | yes/no | | |
| Transfer pump : | | yes/no | | yes/no | | |
| Tank No. 3 : | | | | | | |
| Manufacturer : | | | | | | |
| Capacity: | | bbbl | | m3 | | |
| Type : | | active/reserve | | active/reserve | | |
| Dimensions (L x W x H): | | in x in x in | | mm x mm x mm | | |
| Sensors : | | | | | | |
| Quantity : | | no. | | no. | | |
| Type : | | laser / sonic / infrared | | laser / sonic / mmfrared | | |
| Mud agitator : | | yes/no | | yes/no | | |
| Quantity | | | | | | |
| Make : | | | | | | |
| Model : | | | | | | |
| Driven by electric motor of power : | | kw | | kw | | |
| Mud gun : | | yes/no | | yes/no | | |
| Transfer pump : | | yes/no | | yes/no | | |
| Tank No. 4 : | | | | | | |
| Manufacturer : | | | | | | |
| Capacity: | | bbbl | | m3 | | |
| Type : | | active/reserve | | active/reserve | | |
| Dimensions (L x W x H): | | in x in x in | | mm x mm x mm | | |
| Sensors : | | | | | | |
| Quantity : | | no. | | no. | | |
| Type : | | laser / sonic / infrared | | laser / sonic / mmfrared | | |
| Mud agitator : | | yes/no | | yes/no | | |
| Quantity | | | | | | |
| Make : | | | | | | |
| Model : | | | | | | |
| Driven by electric motor of power : | | kw | | kw | | |
| Mud gun : | | yes/no | | yes/no | | |
| Transfer pump : | | yes/no | | yes/no | | |
| Tank No. 5 : | | | | | | |
| Manufacturer : | | | | | | |
| Capacity: | | bbbl | | m3 | | |
| Type : | | active/reserve | | active/reserve | | |

| Dimensions (L x W x H): | in x in x in | mm x mm x mm | COMMENTS 2024 |
|-------------------------------------|--------------------------|--------------------------|---------------|
| Sensors : | | | |
| Quantity : | no. | no. | |
| Type : | laser / sonic / infrared | laser / sonic / mmfrared | |
| Mud agitator : | yes/no | yes/no | |
| Quantity | | | |
| Make : | | | |
| Model : | | | |
| Driven by electric motor of power : | kw | kw | |
| Mud gun : | yes/no | yes/no | |
| Transfer pump : | yes/no | yes/no | |
| Tank No. 6 : | | | |
| Manufacturer : | | | |
| Capacity: | bbl | m3 | |
| Type : | active/reserve | active/reserve | |
| Dimensions (L x W x H): | in x in x in | mm x mm x mm | |
| Sensors : | | | |
| Quantity : | no. | no. | |
| Type : | laser / sonic / infrared | laser / sonic / mmfrared | |
| Mud agitator : | yes/no | yes/no | |
| Quantity | | | |
| Make : | | | |
| Model : | | | |
| Driven by electric motor of power : | kw | kw | |
| Mud gun : | yes/no | yes/no | |
| Transfer pump : | yes/no | yes/no | |
| Tank No. 7 : | | | |
| Manufacturer : | | | |
| Capacity: | bbl | m3 | |
| Type : | active/reserve | active/reserve | |
| Dimensions (L x W x H): | in x in x in | mm x mm x mm | |
| Sensors : | | | |
| Quantity : | no. | no. | |
| Type : | laser / sonic / infrared | laser / sonic / mmfrared | |
| Mud agitator : | yes/no | yes/no | |
| Quantity | | | |
| Make : | | | |
| Model : | | | |
| Driven by electric motor of power : | kw | kw | |
| Mud gun : | yes/no | yes/no | |
| Transfer pump : | yes/no | yes/no | |
| Tank No. 8 : | | | |
| Manufacturer : | | | |
| Capacity: | bbl | m3 | |
| Type : | active/reserve | active/reserve | |
| Dimensions (L x W x H): | in x in x in | mm x mm x mm | |
| Sensors : | | | |
| Quantity : | no. | no. | |
| Type : | laser / sonic / infrared | laser / sonic / mmfrared | |
| Mud agitator : | yes/no | yes/no | |
| Quantity | | | |
| Make : | | | |
| Model : | | | |
| Driven by electric motor of power : | kw | kw | |
| Mud gun : | yes/no | yes/no | |
| Transfer pump : | yes/no | yes/no | |
| Degasser tank : | | | |
| Manufacturer : | | | |
| Capacity : | bbl | m3 | |
| Dimensions (L x W x H): | in x in x in | mm x mm x mm | |
| Sensors : | | | |
| Quantity : | no. | no. | |
| Type : | laser / sonic / infrared | laser / sonic / mmfrared | |
| Mud agitator : | yes/no | yes/no | |
| Quantity | | | |
| Make : | | | |
| Model : | | | |
| Driven by electric motor of power : | kw | kw | |
| Mud gun : | yes/no | yes/no | |
| Transfer pump : | yes/no | yes/no | |
| F.2.2 Settling Tank | | | |
| Quantity : | no. | no. | |
| Manufacturer : | | | |
| Total capacity : | bbl | m3 | |
| Dimensions (L x W x H): | in x in x in | mm x mm x mm | |
| Sensors : | | | |
| Quantity : | no. | no. | |
| Type : | laser / sonic / infrared | laser / sonic / mmfrared | |
| Transfer pump : | yes/no | yes/no | |

| | | | | COMMENTS 2024 |
|--|---|--|---|---------------|
| F.2.3 | Pill/Slug Tank | | | |
| Manufacturer : | | | | |
| Capacity : | no. | | no. | |
| Dimensions (L x W x H): | in x in x in | | mm x mm x mm | |
| Sensors : | | | | |
| Quantity : | no. | | no. | |
| Type : | laser / sonic / infrared | | laser / sonic / mmfrared | |
| Mud agitator : | yes/no | | yes/no | |
| Quantity | | | | |
| Make : | | | | |
| Model : | | | | |
| Driven by electric motor of power : | kw | | kw | |
| Mud guns : | yes/no | | yes/no | |
| Transfer pump : | yes/no | | yes/no | |
| F.2.4 | Trip Tank | | | |
| Quantity : | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Capacity : | bbl | | m3 | |
| Capacity/unit length : | bbl/ft | | m3/m | |
| Dimensions (L x W x H): | in x in x in | | mm x mm x mm | |
| Sensors : | | | | |
| Quantity : | no. | | no. | |
| Type : | laser / sonic / infrared / mechanical scale | | laser / sonic / mmfrared / mechanical scale | |
| Level indicator : | yes/no | | yes/no | |
| Electric pump : | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Motor output : | hp | | hp | |
| Facility for casing fill-up : | yes/no | | yes/no | |
| Alarm and strip chart recorder (Also see H.1.11) : | yes/no | | yes/no | |
| F.2.5 | Stripping Tank | | | |
| Manufacturer : | | | | |
| Capacity : | bbl | | m3 | |
| Capacity/unit length : | bbl/ft | | m3/m | |
| Dimensions (L x W x H): | in x in x in | | mm x mm x mm | |
| Sensors : | | | | |
| Quantity : | no. | | no. | |
| Type : | laser / sonic / infrared | | laser / sonic / mmfrared | |
| Equalizing facility with triptank : | yes/no | | yes/no | |
| Transfer pump : | yes/no | | yes/no | |
| F.2.6 | Chemical Mixing Tank | | | |
| Manufacturer : | | | | |
| Capacity : | bbl | | m3 | |
| Dimensions (L x W x H): | in x in x in | | mm x mm x mm | |
| Chemical mixer type : | | | | |
| Sensors : | | | | |
| Quantity : | no. | | no. | |
| Type : | laser / sonic / infrared | | laser / sonic / mmfrared | |
| Mud agitator : | yes/no | | yes/no | |
| Quantity | | | | |
| Make/Model : | | | | |
| Driven by electric motor of power : | kw | | kw | |
| Mud gun : | yes/no | | yes/no | |
| Transfer pump : | yes/no | | yes/no | |
| F.2.7 | Brine Tank | | | |
| Manufacturer : | | | | |
| Capacity : | bbl | | m3 | |
| Capacity/unit length : | bbl/ft | | m3/m | |
| Dimensions (L x W x H): | in x in x in | | mm x mm x mm | |
| Sensors : | | | | |
| Quantity : | no. | | no. | |
| Type : | laser / sonic / infrared | | laser / sonic / mmfrared | |
| Mud agitator : | yes/no | | yes/no | |
| Quantity | | | | |
| Make : | | | | |
| Model : | | | | |
| Driven by electric motor of power : | kw | | kw | |
| Mud gun : | yes/no | | yes/no | |
| Transfer pump : | yes/no | | yes/no | |
| F.2.7 | Shale Shakers | | | |
| Primary : | | | | |

| | | | | COMMENTS 2024 |
|--|-----------------------|------|-----------------------|---------------|
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Deck type: | single/ dual / triple | | smmgle/ dual / triple | |
| Driven by no. of electric motors : | no. | | no. | |
| Design flowrate (total) : | bbl/min | | m3/min | |
| Ventilation hood : | yes/ no | | yes/ no | |
| Maximum Fluid Tensile Strenght | lb/100sqf | | kg/100m2 | |
| Cascading : | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Make/Model : | | | | |
| Type : | | | | |
| Deck type: | single/ dual / triple | | single/ dual / triple | |
| Driven by no. of electric motors : | no. | | no. | |
| Design flowrate (total) : | bbl/min | | m3/min | |
| Ventilation hood : | yes/ no | | yes/ no | |
| Maximum Fluid Tensile Strength : | lb/100sqf | | kg/100m2 | |
| F.2.8 Desander | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Mount type: | vertical / slanted | | vertical / slanted | |
| Dimensions of unit (L x W x H) : | in x in x in | | mm x mm x mm | |
| Number of cones x sizes : | no x in | | no x mm | |
| Centrifugal pump type : | | | | |
| Centrifugal pump size : | in x in | | mm x mm | |
| Driven by electric motor of : | hp | | hp | |
| Is pump dedicated to desander : | yes/no | | yes/no | |
| Maximum processing capacity : | gal/min | | l/min | |
| Feed line diameter : | in | | mm | |
| Return line diameter : | in | | mm | |
| Discharge line diameter : | in | | mm | |
| F.2.9 Desilter | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Dimensions of unit (L x W x H) : | in x in x in | | mm x mm x mm | |
| Number of cones x sizes : | no x in | | no x mm | |
| Centrifugal pump type : | | | | |
| Centrifugal pump size : | in x in | | mm x mm | |
| Driven by electric motor of : | hp | | hp | |
| Is pump dedicated to desander : | yes/no | | yes/no | |
| Maximum processing capacity : | gal/min | | l/min | |
| Feed line diameter : | in | | mm | |
| Return line diameter : | in | | mm | |
| Discharge line diameter : | in | | mm | |
| F.2.10 Mud Cleaner | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Number of cones x sizes : | no./ in | 10/8 | no./ mm | |
| Centrifugal pump type : | | | | |
| Centrifugal pump size : | in x in | | mm x mm | |
| Driven by electric motor of : | hp | | hp | |
| Is pump dedicated to desander : | yes/no | | yes/no | |
| Maximum processing capacity : | gal/min | | l/min | |
| F.2.11 Mud/Gas Separator (Poor Boy) | | | | |
| Manufacturer : | | | | |
| Make : | | | | |
| Type : | | | | |
| Unit diameter : | in | | mm | |
| Liquid inlet line ID: | in | | mm | |
| Mud discharge line ID: | | | | |
| Gas discharge line ID : | in | | mm | |
| Gas discharge location, primary : | | | | |
| Can discharge be tied into burner system : | yes/no | | yes/no | |
| Mud seal height : | ft | | m | |
| Sensor : | | | | |
| Type : | | | | |
| Location on sealing area : | | | | |

| | | | COMMENTS 2024 |
|---|-----------------------------------|--|-------------------------------------|
| Replicated on drill floor : | yes/no | | |
| Drain line : | yes/no | | |
| Calculated gas throughput : | MMscf | | MMscm |
| Mud flow designed operation : | bbbl/min | | m3/min |
| Maximum flowrate : | bbbl/min | | m3/min |
| Pressure rating: | psi | | bar |
| F.2.12 Degasser | | | |
| Quantity : | | | |
| Manufacturer : | | | |
| Make : | | | |
| Type : | vaccum / atmospheric | | vaccum / atmospheric |
| Flowrate : | gal/min | | l/min |
| Centrifugal pump type : | | | |
| Centrifugal pump size : | in x in | | mm x mm |
| Driven by electric motor of power : | hp | | hp |
| Discharge line running to : | | | |
| Vacuum Pump | | | |
| Make : | | | |
| Type : | | | |
| Vacuum pump motor power : | hp | | hp |
| F.2.13 Mud Centrifuge | | | |
| Quantity : | no. | | no. |
| Manufacturer : | | | |
| Make : | | | |
| Model : | | | |
| Feed pump make/model : | | | |
| Driven by motor of power : | hp | | hp |
| Capacity : | bbbl/min | | m3/min |
| F.2.14 Liquid Drainage System | | | |
| Three phase separator : | yes/no | | yes/no |
| Capacity : | | | |
| Make : | | | |
| Model : | | | |
| F.2.15 Hoppers | | | |
| Mud Hopper : | | | |
| Quantity : | no. | | no. |
| Manufacturer : | | | |
| Make : | | | |
| Model : | | | |
| Feed pump make/model : | | | |
| Driven by motor of power : | hp | | hp |
| Capacity : | bbbl/min | | m3/min |
| Powder capacity (max) : | ft ³ /hr @ 1,000gpm | | m ³ /hr @ 1,000l/ min |
| Salt Mixing Hopper : | | | |
| Quantity : | yes/no | | yes/no |
| Quantity : | no. | | no. |
| Manufacturer : | | | |
| Make : | | | |
| Model : | | | |
| Feed pump make/model : | | | |
| Driven by motor of power : | hp | | hp |
| Capacity : | bbbl/min | | m3/min |
| Powder capacity (max) : | ft ³ /hr @ 1,000gpm | | m ³ /hr @ 1,000l/ min |
| Sack cutting station : | | | |
| Quantity : | yes/no | | yes/no |
| Quantity : | no. | | no. |
| Manufacturer : | | | |
| Make : | | | |
| Model : | | | |
| Cutting capacity : | sacks/hr | | sacks/hr |
| Big bag station with safe cutting device : | | | |
| Quantity : | yes/no | | yes/no |
| Quantity : | no. | | no. |
| Manufacturer : | | | |
| Make : | | | |
| Model : | | | |
| Cutting capacity : | ft ² /hr | | m ² /hr |
| Sack storage area : | ft ² | | m ² |
| F.2.16 Mud Laboratory and Facilities | | | |
| Dimensions (L x W x H) | in | | mm |
| Separate room : | yes/no | | yes/no |
| Equipped with | | | |
| Pressurized mud balance : | yes/no | | yes/no |
| Mud balance : | yes/no | | yes/no |
| Marsh Viscometer: | yes/no | | yes/no |
| Marsh funnel : | yes/no | | yes/no |
| API filter press | yes/no | | yes/no |
| Filtration kit : | yes/no | | yes/no |
| Filter paper : | yes/no | | yes/no |

| | yes/no | | yes/no | COMMENTS 2024 |
|--|--------------------|--|--------------------|---------------|
| CO2 capsule : | yes/no | | yes/no | |
| Thermometer : | yes/no | | yes/no | |
| Range : | °F to °F | | °C to °C | |
| Viscosimeter : | yes/no | | yes/no | |
| Thermal cup for FANN viscometer : | yes/no | | yes/no | |
| Retort to 10ml : | yes/no | | yes/no | |
| Sand content kit : | yes/no | | yes/no | |
| Glass stick : | yes/no | | yes/no | |
| Heater Plate with Magnetic Agitator : | yes/no | | yes/no | |
| Complete agitator kit : | yes/no | | yes/no | |
| Precision balance 0,1 grams/pilot test : | yes/no | | yes/no | |
| Spatula : | yes/no | | yes/no | |
| Volumetric balloon 100/500 ml : | yes/no | | yes/no | |
| Kit for H2S test: | yes/no | | yes/no | |
| Electrical stability meter with batteries : | yes/no | | yes/no | |
| Porcelain capsule : | yes/no | | yes/no | |
| Polyethylene capsule : | yes/no | | yes/no | |
| Beaker : | (type and volumes) | | (type and volumes) | |
| Pipette : | (type and volumes) | | (type and volumes) | |
| pH paper (range) : | yes/no | | yes/no | |
| Beakers : | yes/no | | yes/no | |
| Erlenmeyer : | yes/no | | yes/no | |
| Stopwatch : | yes/no | | yes/no | |
| Burette : | type | | type | |
| Burette support: | yes/no | | yes/no | |
| Densimeter : | yes/no | | yes/no | |
| Portable Digital Densimeter or similar: | yes/no | | yes/no | |
| pH meter/ kit : | yes/no | | yes/no | |
| Resistivity meter: | yes/no | | yes/no | |
| Portable roller over with 3 cells : | yes/no | | yes/no | |
| Heater: | yes/no | | yes/no | |
| Thermostatic bath : | yes/no | | yes/no | |
| Infrared water in oil analyzer : | yes/no | | yes/no | |
| F.3 BULK SYSTEM | | | | |
| F.3.1 Barite/Bentonite Silos | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Capacity of each silo : | lt | | lt | |
| Locations : | | | | |
| Type weight loadcell : | | | | |
| Manufacturer : | | | | |
| Pressure rating : | psi | | bar | |
| Relief valve(s) installed : | yes/no | | yes/no | |
| F.3.2 Cement Silos | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Capacity of each silo : | lt | | lt | |
| Locations : | | | | |
| Type weight loadcell : | | | | |
| Manufacturer : | | | | |
| Pressure rating : | psi | | bar | |
| Relief valve(s) installed : | yes/no | | yes/no | |
| Separate mud/cement loading facilities : | yes/no | | yes/no | |
| Discharge line for cement independent from barite/bentonite discharge line : | yes/no | | yes/no | |
| F.3.3 Surge Tank for Barite/Bentonite | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Capacity of each tank : | lt | | lt | |
| Type weight loadcell : | | | | |
| Manufacturer : | | | | |
| Pressure rating : | psi | | bar | |
| Relief valve(s) installed : | yes/no | | yes/no | |
| F.3.4 Surge Tank for Cement | | | | |
| Quantity : | no. | | no. | |
| Manufacturer : | | | | |
| Capacity of each tank : | lt | | lt | |
| Type weight loadcell : | | | | |
| Manufacturer : | | | | |
| Pressure rating : | psi | | bar | |
| Relief valve(s) installed : | yes/no | | yes/no | |
| F.3.5 Bulk Transfer System | | | | |
| (See also C.1.9 - Compressed Air Systems) | | | | |
| Independent air system for the silos and surge tanks consisting of a high-volume low-pressure compressor and air drier : | yes/no | | yes/no | |
| Air reduced from main air supply through | | | | |

| | yes/no | yes/no | COMMENTS 2024 |
|--|------------------------------------|------------------------------------|---------------|
| pressure regulators : | yes/no | yes/no | |
| Separate volume tank and drier : | yes/no | yes/no | |
| G. CASING/CEMENTING EQUIPMENT | IMPERIAL | IMPERIAL | |
| G.1 CASING EQUIPMENT | | | |
| G.1.1 API Casing Drifts | | | |
| Casing Drift #1 | | | |
| Type : | Metal / Polymeric | Metal / Polymeric | |
| Quantity : | no | no | |
| Drift Diameter : | in | mm | |
| Casing OD : | in | mm | |
| Casing ID : | in | mm | |
| Weight : | lb/ft | kg/m | |
| Length : | in | mm | |
| G.1.2 Clamp-On Type Casing Thread Protectors | | | |
| Protector #1 | | | |
| Structure : | Pure plastic, Plastic & Steel | Pure plastic, Plastic & Steel | |
| Quantity : | no | no | |
| Thread : | NUE, VAM, VAM TOP, NC, IF,REG, etc | NUE, VAM, VAM TOP, NC, IF,REG, etc | |
| Casing OD : | in | mm | |
| G.1.3 Side Door Casing Elevator | | | |
| Quantity : | no. | no. | |
| Casing range: | | | |
| Size casing: | in | mm | |
| Make : | | | |
| Type : | Mech / Hyd | Mech / Hyd | |
| Load rating: | ton | ton | |
| Remoted operated : | yes/no | yes/no | |
| G.1.4 Single Joint Casing Elevators | | | |
| Quantity : | no. | no. | |
| Size range: | in | mm | |
| Make : | | | |
| Type : | Mech / Hyd | Mech / Hyd | |
| Load rating: | ton | ton | |
| Safety latches : | yes/no | yes/no | |
| Wire rope size : | in | mm | |
| Swivel size : | in | mm | |
| Remoted operated : | yes/no | yes/no | |
| G.1.5 RT's For Casing Installation | | | |
| Mechanical RT - casing housing sizes : | in | mm | |
| Hydraulic RT - casing housing sizes : | in | mm | |
| Pack Off RT - casing housing sizes : | in | mm | |
| Hanger RT - casing hanger sizes : | in | mm | |
| Hanger RT - casing type : | | | |
| Seal Assembly RT - casing sizes : | in | mm | |
| G.1.6 RRT's For Casing Installation | | | |
| Seal Assembly RRT - casing sizes : | in | mm | |
| Wear Bushing RRT - casing sizes : | in | mm | |
| Seat Protector RRT - casing sizes : | in | mm | |
| G.1.7 Mini Hose Bundle For Use With Hydraulic Running Tools | | | |
| Control line ID : | in | mm | |
| Quantity of lines : | no. | no. | |
| Control line ID : | in | mm | |
| Quantity of lines : | no. | no. | |
| G.1.5 Slip Type Elevator/Spiders | | | |
| Quantity : | no. | no. | |
| Make : | | | |
| Type : | Mech / Hyd | Mech / Hyd | |
| Size range: | in | mm | |
| Load Capacity : | st | st | |
| W/slips for OD casing sizes : | in | mm | |
| Size of links: | in | mm | |
| Remoted operated : | yes/no | yes/no | |
| G.1.6 Casing Slips | | | |
| Quantity : | no. | no. | |
| Make: | | | |
| Type : | Man / Mech / Hyd | Man / Mech / Hyd | |

| | | | |
|--|--------|--------|----------------------|
| For OD casing : | in | mm | COMMENTS 2024 |
| Total Segment: | | | |
| Hinge Pins: | | | |
| Load Capacity : | ton | ton | |
| Remoted operated : | yes/no | yes/no | |
| G.1.7 Casing Bowls | | | |
| Quantity : | no. | no. | |
| Make: | | | |
| Type : | | | |
| For OD casing (max/min) : | in/in | mm/mm | |
| Load Capacity : | ton | ton | |
| G.1.8 Power Casing Tongs | | | |
| Quantity : | no. | no. | |
| Make: | | | |
| Type : | | | |
| OD casing range : | in | mm | |
| Min torque : | lb/ft | lb/m | |
| Max torque : | lb/ft | lb/m | |
| Torque indicator : | yes/no | yes/no | |
| Back-up arm : | yes/no | yes/no | |
| Push master / Power Scope : | | | |
| Remote activating | yes/no | yes/no | |
| Makeup and breakout modes | yes/no | yes/no | |
| Real-time monitoring of torque x turns | yes/no | yes/no | |
| G.1.9 Power Unit For Casing & Tubing Tongs | | | |
| Quantity : | no. | no. | |
| Make: | | | |
| Type : | | | |
| Driven by electric motor : | yes/no | yes/no | |
| G.1.10 Casing Circulating Head (Swedge) | | | |
| For OD casing : | in | mm | |
| Connection type : | | | |
| Total length : | ft | m | |
| Max WP : | psi | psi | |
| Pressure Rating : | psi | psi | |
| Manifold union : | | | |
| Thread : | | | |
| Circulating hose connections (male/female) : | psi | psi | |
| Top connection thread : | | | |
| G.1.11 Casing Spears (Internal) | | | |
| Quantity : | no. | no. | |
| Make: | | | |
| Type : | | | |
| For OD casing : | in | mm | |
| For ID casing : | in | mm | |
| For casing weight : | lb/ft | kg/m | |
| Pack-off : | yes/no | yes/no | |
| Casing Burst : | klb | kkg | |
| G.1.12 Casing Cutters (Internal) | | | |
| Quantity : | no. | no. | |
| Make: | | | |
| Type : | | | |
| For OD casing (max/min) : | in/in | mm/mm | |
| G.1.13 Crossover to Handle Casing with Drill Pipe | | | |
| Quantity : | no. | no. | |
| For OD casing : | in | mm | |
| Casing connection : | | | |
| Drill pipe connection type : | | | |
| Rated capacity : | st | st | |
| G.1.14 Casing Scrapers | | | |
| Quantity : | no. | no. | |
| Make: | | | |
| For OD casing : | in | mm | |
| For casing weight : | lb/ft | kg/m | |
| OD body : | in | mm | |
| Connection type : | | | |
| G.1.15 Casing Drilling System (see Section D.4) | | | |
| G.2 CEMENTING EQUIPMENT | | | |
| G.2.1 Cement Unit | | | |
| Owner : | | | |

| | | | COMMENTS 2024 |
|--|-----------------------------|--|-----------------------------|
| Under contract to (Drilling Contractor / Operator) : | | | |
| Make : | | | |
| Type : | | | |
| No. of triplex pumps : | no. | | no. |
| Maximum working pressure : | psi | | psi |
| Maximum flowrate : | bbl/min | | m3/min |
| Minimum flowrate : | bbl/min | | m3/min |
| Unit powered by (electric/diesel) : | | | |
| Recirculating mixing system : | yes/no | | yes/no |
| Capacity : | bbl | | m3 |
| Motor power : | hp | | hp |
| Liquid additive system : | yes/no | | yes/no |
| Premix/batch tank : | gpm | | l / min |
| Quantity : | no. | | no. |
| Capacity : | bbl | | m3 |
| Pressure recorder : | yes/no | | yes/no |
| G.2.2 Cementing Manifold | | | |
| Quantity : | no | | no |
| Discharge manifold working pressure : | psi | | psi |
| Cement pump discharge lines min. ID : | in | | mm |
| Cement pump discharge lines working pressure : | psi | | psi |
| G.2.3 Cementing Tubing | | | |
| Size : | in | | mm |
| Length (total) : | ft | | m |
| X-overs to drillpipe specified in Section D.1.3 : | yes/no | | yes/no |
| G.2.4 Cement Head | | | |
| Size : | in | | mm |
| Specification : | in | | mm |
| Length (total) : | ft | | m |
| Manifold : | | | |
| Connection : | | | |
| Steel grade : | | | |
| Max working pressure : | | | |
| Lever plug release indicator : | yes/no | | yes/no |
| Dart type compatibility : | | | |
| Remoted operated : | yes/no | | yes/no |
| ID of plug container : | in | | mm |
| Length of plug container : | in | | mm |
| Housed darts quantity : | | | |
| H. INSTRUMENTATION/COMMUNICATION | IMPERIAL | | METRIC |
| H.1 DRILLING INSTRUMENTATION AT DRILLER'S POSITION | | | |
| H.1.1 Weight Indicator | | | |
| Main : | | | |
| Make: | | | |
| Type: | | | |
| Quantity: | no. | | no. |
| Sensor type : | Digital / Analog / Other | | Digital / Analog / Other |
| Calibrated for number of lines strung (6, 8, 10, 12, etc.) : | no. | | no. |
| Weight (min): | lb | | kg |
| Weight (max): | lb | | kg |
| Auxiliary : | | | |
| Make: | | | |
| Type: | | | |
| Quantity: | no. | | no. |
| Sensor type : | Digital / Analog / Other | | Digital / Analog / Other |
| Calibrated for number of lines strung (6, 8, 10, 12, etc.) : | no. | | no. |
| Weight (min): | lb | | kg |
| Weight (max): | lb | | kg |
| H.1.2 Standpipe Pressure Gauges | | | |
| Main : | | | |
| Make: | | | |
| Type: | | | |
| Location: | SPM #1 / SPM #2 / Gooseneck | | SPM #1 / SPM #2 / Gooseneck |
| Quantity : | no. | | no. |
| Sensor type : | Digital / Analog / Other | | Digital / Analog / Other |
| Pressure range (min): | psi | | bar |
| Pressure range (max): | psi | | bar |
| Auxiliary : | | | |
| Make: | | | |
| Type: | | | |
| Location: | SPM #1 / SPM #2 / Gooseneck | | SPM #1 / SPM #2 / Gooseneck |
| Quantity : | no. | | no. |

| | | Digital / Analog / Other | Digital / Analog / Other | COMMENTS 2024 |
|---|--|--------------------------|--------------------------|---------------|
| Sensor type : | | | | |
| Pressure range (min): | | psi | bar | |
| Pressure range (max): | | psi | bar | |
| H.1.3 Choke Manifold Pressure Gauge | | | | |
| Make: | | | | |
| Type: | | | | |
| Location: | | CM #1 / CM #2 | CM #1 / CM #2 | |
| Quantity : | | no. | no. | |
| Sensor type : | | Digital / Analog / Other | Digital / Analog / Other | |
| Pressure range (min): | | psi | bar | |
| Pressure range (max): | | psi | bar | |
| H.1.4 RPM Sensor | | | | |
| Main : | | | | |
| Make: | | | | |
| Type: | | | | |
| Quantity : | | no. | no. | |
| Sensor type : | | Digital / Analog / Other | Digital / Analog / Other | |
| Capacity range (min): | | rpm | rpm | |
| Capacity range (max): | | rpm | rpm | |
| Auxiliary : | | | | |
| Make: | | | | |
| Type: | | | | |
| Quantity : | | no. | no. | |
| Sensor type : | | Digital / Analog / Other | Digital / Analog / Other | |
| Capacity range (min): | | rpm | rpm | |
| Capacity range (max): | | rpm | rpm | |
| H.1.5 Rotary Torque Indicator | | | | |
| Main : | | | | |
| Make: | | | | |
| Type: | | | | |
| Quantity : | | no. | no. | |
| Sensor type : | | Digital / Analog / Other | Digital / Analog / Other | |
| Torque (min): | | ft/lb | m/kg | |
| Torque (max): | | ft/lb | m/kg | |
| Auxiliary : | | | | |
| Make: | | | | |
| Type: | | | | |
| Quantity : | | no. | no. | |
| Sensor type : | | Digital / Analog / Other | Digital / Analog / Other | |
| Torque (min): | | ft/lb | m/kg | |
| Torque (max): | | ft/lb | m/kg | |
| H.1.6 Motion Compensator Instruments | | | | |
| Main : | | | | |
| Make: | | | | |
| Type: | | | | |
| Hook position indicator : | | yes/no | yes/no | |
| Lock/unlock indicator : | | yes/no | yes/no | |
| Auxiliary : | | | | |
| Make: | | | | |
| Type: | | | | |
| Hook position indicator : | | yes/no | yes/no | |
| Lock/unlock indicator : | | yes/no | yes/no | |
| H.1.7 Pump Stroke Counters | | | | |
| Number: | | no. | no. | |
| Make: | | | | |
| Type: | | | | |
| Flowmeter (Coriolis): | | yes/no | yes/no | |
| Pump stroke indicator | | yes/no | yes/no | |
| Cumulative pump stroke counter | | yes/no | yes/no | |
| H.1.8 Tong Torque Indicator | | | | |
| Main : | | | | |
| Make: | | | | |
| Type: | | | | |
| Quantity : | | no. | no. | |
| Sensor type : | | Digital / Analog / Other | Digital / Analog / Other | |
| Torque (min): | | ft/lb | m/kg | |
| Torque (max): | | ft/lb | m/kg | |
| Auxiliary : | | | | |

| | | | | COMMENTS 2024 |
|--|--------------------------|--|--------------------------|---------------|
| Make: | | | | |
| Type: | | | | |
| Quantity : | no. | | no. | |
| Sensor type : | Digital / Analog / Other | | Digital / Analog / Other | |
| Torque (min): | ft/lb | | m/kg | |
| Torque (max): | ft/lb | | m/kg | |
| H.1.9 Pit Volume Monitoring System | | | | |
| Make: | | | | |
| Type: | | | | |
| Model : | | | | |
| Floats in active mud tanks : | yes/no | | yes/no | |
| Floats in reserve mud tanks : | yes/no | | yes/no | |
| Loss/Gain indicator : | yes/no | | yes/no | |
| Alarm (audio) : | yes/no | | yes/no | |
| Alarm (visual) : | yes/no | | yes/no | |
| H.1.10 Mud Flow Indicator | | | | |
| Make: | | | | |
| Type: | | | | |
| Model : | | | | |
| High/low alarm (audio) : | yes/no | | yes/no | |
| High/low alarm (visual) : | yes/no | | yes/no | |
| Flowmeter (Coriolis): | yes/no | | yes/no | |
| System Integrated: | yes/no | | yes/no | |
| H.1.11 Trip Tank Indicator | | | | |
| Make: | | | | |
| Type: | | | | |
| Model : | | | | |
| Chart recorder : | yes/no | | yes/no | |
| High/low alarm (audio) : | yes/no | | yes/no | |
| High/low alarm (visual) : | yes/no | | yes/no | |
| Analog back up sensor: | yes/no | | yes/no | |
| H.1.12 Automatic Driller | | | | |
| | yes/no | | yes/no | |
| Make: | | | | |
| Type: | | | | |
| H.1.13 Remote Choke Control Unit (Also see E.14.1) | | | | |
| | yes/no | | yes/no | |
| Make: | | | | |
| Type: | | | | |
| H.1.14 MPD HMI Screen | | | | |
| | yes/no | | yes/no | |
| Make: | | | | |
| Type: | | | | |
| Parameter recorded : | | | | |
| H.2 DRILLING PARAMETER RECORDER | | | | |
| Onshore (office) : | yes/no | | yes/no | |
| Offshore (rig) : | yes/no | | yes/no | |
| Quantity : | no. | | no. | |
| Location(s) : | | | | |
| Make: | | | | |
| Type: | | | | |
| Parameter recorded : | | | | |
| H.2.1 DRILLING DATA COLLECTION SYSTEM | | | | |
| Make: | | | | |
| Model: | | | | |
| Software version: | | | | |
| Attached Data Logger Available | | | | |
| External Data Port (Serial/Etherne) Available on Data Logger | | | | |
| Software Protocols Available on External Data Port (OPC, WITS, WITSML, Profibus) | | | | |
| Serial/Parallel Port for Alarm Printer Available | | | | |
| H.3 INSTRUMENTATION AT CHOKE MANIFOLD | | | | |
| H.3.1 and H.3.2 combined on one panel : | yes/no | | yes/no | |
| H.3.1 Standpipe Pressure Gauge | | | | |
| Make: | | | | |
| Type: | | | | |
| Quantity : | no. | | no. | |
| Sensor type : | Digital / Analog / Other | | Digital / Analog / Other | |
| Pressure range (min): | psi | | bar | |
| Pressure range (max): | psi | | bar | |
| Visible from choke operating position : | yes/no | | yes/no | |

| | | Digital / Analog | Digital / Analog | COMMENTS 2024 |
|--|---|------------------|---|---------------|
| Type of panel : | | | | |
| Location of panel : | Driller's house / Close to Choke Manifold | | Driller's house / Close to Choke Manifold | |
| H.3.2 Choke Manifold Pressure Gauge | | | | |
| Make: | | | | |
| Type: | | | | |
| Quantity : | no. | | no. | |
| Sensor type : | Digital / Analog / Other | | Digital / Analog / Other | |
| Pressure range (min): | psi | | bar | |
| Pressure range (max): | psi | | bar | |
| Visible from choke operating position : | yes/no | | yes/no | |
| Type of panel : | Digital / Analog | | Digital / Analog | |
| Location of panel : | Driller's house / Close to Choke Manifold | | Driller's house / Close to Choke Manifold | |
| H.4 INSTRUMENTATION AT STANDPIPE | | | | |
| Main | | | | |
| Make: | | | | |
| Type: | | | | |
| Quantity : | no. | | no. | |
| Sensor type : | Digital / Analog / Other | | Digital / Analog / Other | |
| Pressure range (min): | psi | | bar | |
| Pressure range (max): | psi | | bar | |
| Visible from driller's position : | yes/no | | yes/no | |
| Type of panel : | Digital / Analog | | Digital / Analog | |
| Location of panel : | Driller's house / Close to Choke Manifold | | Driller's house / Close to Choke Manifold | |
| Auxiliary | | | | |
| Make: | | | | |
| Type: | | | | |
| Quantity : | no. | | no. | |
| Sensor type : | Digital / Analog / Other | | Digital / Analog / Other | |
| Pressure range (min): | psi | | bar | |
| Pressure range (max): | psi | | bar | |
| Visible from driller's position : | yes/no | | yes/no | |
| Type of panel : | Digital / Analog | | Digital / Analog | |
| Location of panel : | Driller's house / Close to Choke Manifold | | Driller's house / Close to Choke Manifold | |
| H.5 SURVEY EQUIPMENT | | | | |
| H.5.1 Wireline Winch | | | | |
| Make: | | | | |
| Type: | | | | |
| Model : | | | | |
| Wire length (nominal) : | ft | | m | |
| Depth counter : | yes/no | | yes/no | |
| Wire size : | in | | m | |
| Pull indicator : | lb | | kg | |
| Electric powered : | yes/no | | yes/no | |
| H.6 RIG COMMUNICATION SYSTEM | | | | |
| H.6.1 Telephone System | | | | |
| No. of stations : | no. | | no. | |
| Make: | | | | |
| Type: | text | | text | |
| Explosion proof : | yes/no | | yes/no | |
| Water proof : | yes/no | | yes/no | |
| Sound powered Telephone System : | | | | |
| No. of stations : | no. | | no. | |
| Make : | | | | |
| H.6.2 Public Address System | | | | |
| Can be combined with H 7.1 Telephone System : | yes/no | | yes/no | |
| Make : | | | | |
| Type : | text | | text | |
| Explosion proof : | yes/no | | yes/no | |
| Independent (external and internal) : | yes/no | | yes/no | |
| H.6.3 Drill Floor - Derrickman's Talkback (For Intercom System) | | | | |
| Make : | | | | |
| Type : | text | | text | |
| Explosion proof : | yes/no | | yes/no | |
| No. of stations : | no. | | no. | |

| Location(s) : | | | | COMMENTS 2024 |
|---|--------|--|--------|---------------|
| H.6.4 Hand-Held VHF Radios | | | | |
| Make : | | | | |
| Type : | text | | text | |
| Quantity : | no. | | no. | |
| H.6.5 Hand-Held UHF Radios | | | | |
| Make : | | | | |
| Type : | text | | text | |
| Quantity : | no. | | no. | |
| H.6.6 General Alarm System | | | | |
| Make : | | | | |
| Type : | | | | |
| H.7 ENVIRONMENTAL INSTRUMENTATION | | | | |
| H.7.1 Temperature Indicators | | | | |
| Air temperature : | | | | |
| | yes/no | | yes/no | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Recorder : | yes/no | | yes/no | |
| Recorder memory : | hours | | hours | |
| Sea water temperature : | | | | |
| | yes/no | | yes/no | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Recorder : | yes/no | | yes/no | |
| Recorder memory : | hours | | hours | |
| H.7.2 Barometric Pressure Indicator | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Recorder : | yes/no | | yes/no | |
| Recorder memory : | hours | | hours | |
| H.7.3 Humidity Sensing Indicator | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| H.7.4 Wind Speed/Direction Meter | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Recorder : | yes/no | | yes/no | |
| Recorder memory : | hours | | hours | |
| H.7.5 Doppler Weather Radar | | | | |
| Make : | | | | |
| Model : | | | | |
| Recorder : | yes/no | | yes/no | |
| Location : | | | | |
| H.8 ADDITIONAL MODU-SPECIFIC INSTRUMENTATION | | | | |
| H.8.1 Roll, Pitch, Heave Indicator(s) | | | | |
| Roll : | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Recorder : | yes/no | | yes/no | |
| Recorder memory : | hours | | hours | |
| Pitch : | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Recorder : | yes/no | | yes/no | |
| Recorder memory : | hours | | hours | |
| Heave : | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Recorder : | yes/no | | yes/no | |
| Recorder memory : | hours | | hours | |

| | | | | COMMENTS 2024 |
|--|---------|--|---------|---------------|
| H.8.2 Gyro Compass | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Location : | | | | |
| H.8.3 Echo Sounder | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Location : | | | | |
| Recorder : | yes/no | | yes/no | |
| Recorder memory : | hours | | hours | |
| H.8.4 Acoustic Doppler Current Profiler (ADCP) | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Location : | | | | |
| Recorder : | yes/no | | yes/no | |
| Recorder memory : | hours | | hours | |
| H.8.5 Weather Facsimile Recorder | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Location : | | | | |
| Recorder : | yes/no | | yes/no | |
| Recorder memory : | hours | | hours | |
| H.8.6 Radar / Automatic Radar Plotting Aid | | | | |
| S-band radar | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Location : | | | | |
| Bandwidth : | cm | | cm | |
| X-band radar | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Location : | | | | |
| Bandwidth : | cm | | cm | |
| H.8.7 Electronic Chart Display and Information System (ECDIS) | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Operating system : | | | | |
| Usable charts : | | | | |
| H.9 GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS) | | | | |
| Location : | | | | |
| Fully compliant GMDSS system : | yes/no | | yes/no | |
| H.9.1 SSB Transceiver | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |
| Power : | watts | | watts | |
| Frequency ranges : | mhZ-mhZ | | mhZ-mhZ | |
| (Synthesized/crystal) : | | | | |
| Facsimile capable : | yes/no | | yes/no | |
| Telex capable : | yes/no | | yes/no | |
| H.9.2 E.P.I.R.B's | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | text | | text | |
| Model : | | | | |
| H.9.3 Voyage Data Recorder (VDR) | | | | |
| Make : | | | | |
| Type : | | | | |
| Model : | | | | |

| | kHz - kHz | kHz - kHz | COMMENTS 2024 |
|---|--------------------------------|------------------------------|---------------|
| Operating frequency : | | | |
| Operating depth : | ft | m | |
| Useful life : | yrs | yrs | |
| Operating life : | days | days | |
| H.9.4 VHF Radio Telephone | | | |
| Quantity : | no. | no. | |
| Make : | | | |
| Type : | | | |
| Model : | | | |
| Power : | watts | watts | |
| Channels : | | | |
| H.9.5 VHF Radio Transceiver | | | |
| Quantity : | no. | no. | |
| Make : | | | |
| Type : | | | |
| Model : | | | |
| Power : | watts | watts | |
| H.9.6 Non-Directional Beacon Antenna (NDB) | | | |
| Make : | | | |
| Type : | text | text | |
| Model : | | | |
| Frequency range : | hz-hz | hz-hz | |
| H.9.7 Radio Beacon Transmitter | | | |
| Quantity : | no. | no. | |
| Make : | | | |
| Type : | text | text | |
| Model : | | | |
| Power : | watts | watts | |
| H.9.8 Aeronautical VHF Transceiver | | | |
| Quantity : | no. | no. | |
| Make : | | | |
| Type : | | | |
| Model : | | | |
| Power : | watts | watts | |
| Frequency range : | hz-hz | hz-hz | |
| (Synthesized/crystal) : | | | |
| H.9.9 Satellite Communication System | | | |
| Make : | | | |
| Type : | | | |
| Model : | | | |
| Facsimile link : | yes/no | yes/no | |
| Telex link : | yes/no | yes/no | |
| Telephone link : | yes/no | yes/no | |
| Mobile hand-held satellite phone : | yes/no | yes/no | |
| Internet system bandwidth : | bps / Mbps / Gbps | bps / Mbps / Gbps | |
| Wifi capability : | | | |
| Accommodation Area : | yes/no | yes/no | |
| Industrial Area : | yes/no | yes/no | |
| Other capabilities : | yes/no | yes/no | |
| I. PRODUCTION TEST EQUIPMENT | IMPERIAL | METRIC | |
| I.1 BURNERS | | | |
| Make : | | | |
| Type : | | | |
| Quantity : | no. | no. | |
| Capacity : | bbl/day | m3/day | |
| Weight : | st | st | |
| Water requirement at 100 psi : | bbl/min | m3/min | |
| Number of nozzles : | no. | no. | |
| Nozzle size : | in | mm | |
| Working pressure : | psi | bar | |
| Test pressure : | psi | bar | |
| Minimum operating temperature : | | | |
| Oil flow rate requirement : | ft ³ /min per bbl/d | m ³ /min per m3/d | |
| Diesel - Oil flow rate requirement : | ft ³ /min per bbl/d | m ³ /min per m3/d | |
| Minimum oil flow rate : | bbl/d at psi | m3/d at bar | |
| Maximum oil flow rate : | bbl/d | m3/d | |
| Maximum water cut : | % | % | |
| Minimum air pressure : | psi | bar | |
| Air flow rate requirement : | ft ³ /min per bbl/d | m ³ /min per m3/d | |
| Water shield flow rate requirement : | bbl/d at psi | m3/d at bar | |
| I.2 BURNER BOOMS | | | |
| Make : | | | |

| | | | | COMMENTS 2024 |
|--|---------|--|--------------------|---------------|
| Type : | | | | |
| Quantity : | no. | | no. | |
| Length : | ft | | m | |
| Horizontal : | yes/no | | yes/no | |
| Height above sea level (at drilling draft) : | ft | | m | |
| Maximum wind speed : | knots | | knots | |
| Walkway and handrails : | yes/no | | yes/no | |
| Burner platform size : | ft x ft | | m x m | |
| Burner mounting rotatable : | yes/no | | yes/no | |
| Regulatory approvals : | | | | |
| Flare boom with bottom support : | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| System type : | | | | |
| Flare boom Kingposts : | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Load capacity : | | | m ³ /hr | |
| Air compressors : | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Load capacity : | | | m ³ /hr | |
| Steam generator : | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Load capacity : | | | m ³ /hr | |
| I.3 LINES REQUIRED ON BURNER BOOMS | | | | |
| I.3.1 Oil Line | | | | |
| ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Connection type at burner end : | type | | type | |
| H2S : | yes/no | | yes/no | |
| Pressure gauge connection at barge end : | in | | mm | |
| I.3.2 Gas Line | | | | |
| ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Extended beyond burner by : | ft | | m | |
| Connection type at burner end : | type | | type | |
| H2S : | yes/no | | yes/no | |
| Pressure gauge connection at barge end : | in | | mm | |
| I.3.3 Water Line | | | | |
| ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Connection type at burner end : | type | | type | |
| Pressure gauge connection at barge end : | in | | mm | |
| I.3.4 Air Line | | | | |
| ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Connection type at burner end : | type | | type | |
| Pressure gauge connection at barge end : | in | | mm | |
| I.3.5 Pilot Gasline | | | | |
| ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Connection type at burner end : | type | | type | |
| Pressure gauge connection at rig end : | in | | mm | |
| I.3.6 Diesel Oil line | | | | |
| ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Connection type at burner end : | type | | type | |
| Pressure gauge connection at rig end : | in | | mm | |
| I.3.7 Return Diesel Oil line | | | | |
| ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Connection type at burner end : | type | | type | |
| Pressure gauge connection at rig end : | in | | mm | |
| I.3.8 Electric Ignition System line | | | | |

| | | | | COMMENTS 2024 |
|---|--------|--|--------|---------------|
| ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Connection type at burner end : | type | | type | |
| Pressure gauge connection at rig end : | in | | mm | |
| I.4 SPRINKLER SYSTEM | | | | |
| Sufficient to give protection to rig and personnel against heat radiation damage from the burners : | | | | |
| | yes/no | | yes/no | |
| I.5 FIXED LINES FOR WELL TESTING | | | | |
| I.5.1 Drill Floor To Separator Area | | | | |
| Type (Screwed/welded, both) : | | | | |
| Quantity : | no. | | no. | |
| Size ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Connection type on drillfloor : | type | | type | |
| Connection type at separator : | type | | type | |
| Number of valves/lines : | no. | | no. | |
| Size of valves : | in | | mm | |
| H2S : | yes/no | | yes/no | |
| I.5.2 Separator Area to Both Burner Boom | | | | |
| Type (screwed/welded, both) : | | | | |
| Quantity : | no. | | no. | |
| Size ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Connection type at separator : | type | | type | |
| Connection type at boom : | type | | type | |
| Number of valves/lines : | no. | | no. | |
| Size of valves : | in | | mm | |
| H2S : | yes/no | | yes/no | |
| Valves installed near separator area for switching gas to either burner : | yes/no | | yes/no | |
| I.5.3 Water Line to Burner Booms | | | | |
| Type (screwed/welded, both) : | | | | |
| Quantity : | no. | | no. | |
| Size ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Number of valves required : | no. | | no. | |
| Size of valves : | in | | mm | |
| Pump source : | | | | |
| Rated line capacity at 300 psi : | bb/hr | | m3/hr | |
| Water spray system (protection against heat from burners) : | | | | |
| I.5.4 Piping on Burner Booms | | | | |
| Type (screwed/welded, both) : | | | | |
| Quantity : | no. | | no. | |
| Size ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Connection type at separator : | | | | |
| Connection type at boom : | | | | |
| Number of valves/lines : | no. | | no. | |
| Size of valves : | in | | mm | |
| Valves installed near separator area for switching gas to either starboar or port burner : | yes/no | | yes/no | |
| H2S rating : | yes/no | | yes/no | |
| I.5.5 Mud Pumps To Both Burner Booms | | | | |
| Type (screwed/welded, both) : | | | | |
| Quantity : | no. | | no. | |
| Size ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Number of valves required : | no. | | no. | |
| Size of valves : | in | | mm | |
| Pump source : | | | | |
| Rated line capacity at 300 psi : | bb/hr | | m3/hr | |
| I.5.6 Rig Air System To Burners | | | | |
| Type (screwed/welded, both) : | | | | |
| Quantity : | no. | | no. | |
| Size ID : | in | | mm | |
| Working pressure : | psi | | bar | |
| Air source : | | | | |
| Non-return valves fitted : | yes/no | | yes/no | |
| Dedicated Air Compressor: | yes/no | | yes/no | |
| I.5.7 Oil Storage Tank To Offload | | | | |
| Type (screwed/welded, both) : | | | | |
| Quantity : | no. | | no. | |

| | | | COMMENTS 2024 |
|---|-----------------|---------------|---------------|
| Size ID : | in | mm | |
| Working pressure : | psi | bar | |
| Height above water level : | ft | m | |
| Connection type at separator area : | type | type | |
| I.5.8 Separator To Ventstack Of Rig | | | |
| Type (screwed/welded, both) : | | | |
| Quantity : | no. | no. | |
| Size ID : | in | mm | |
| Working pressure : | psi | bar | |
| Connection type at separator area : | type | type | |
| I.6 AUXILIARY POWER AVAILABILITY | | | |
| I.6.1 For Field Laboratory | | | |
| Quantity : | no. | no. | |
| Volts : | volts | volts | |
| Frequency : | Hz | Hz | |
| I.6.2 For Crude Transfer Pump | | | |
| Quantity : | no. | no. | |
| Volts : | volts | volts | |
| Frequency : | Hz | Hz | |
| I.6.3 For Electric / Steam Heaters | | | |
| Quantity : | no. | no. | |
| Volts : | volts | volts | |
| Frequency : | Hz | Hz | |
| I.7 FLOATING STORAGE AND OFFLOAD SYSTEM (if applicable) | | | |
| | | | |
| | | | |
| J. RISERLESS DRILLING, INTERVENTION AND WORKOVER SYSTEMS | IMPERIAL | METRIC | |
| J.1 DRILL PIPE RISER | | | |
| Drill pipe riser OD : | in | mm | |
| Drill pipe riser ID : | in | mm | |
| Drill pipe riser wall : | in | mm | |
| Grade : | | | |
| Total length : | ft | m | |
| Range : | | | |
| Weight : | lb/ft | kg/m | |
| Make-up / Break-out torque : | lb/ft / lb/ft | kg/m / kg/m | |
| Tension Capacity (max) : | klb | klb | |
| Slip Crushing (min) : | klb | klb | |
| Internally plastic coated : | yes/no | yes/no | |
| Tool joint OD/ID : | in / in | mm / mm | |
| Tool joint pin length (original) : | in | mm | |
| Tool joint pin length (not original) : | in | mm | |
| Tool Joint torque Capacity (max) : | klb.ft | klb.m | |
| Tapered shoulder tool joints : | degree/degree | degree/degree | |
| Connection type : | | | |
| Type of hardfacing : | | | |
| API classification : | | | |
| Thread protectors : | yes/no | yes/no | |
| K. ACCOMMODATION | | | |
| K.1 OFFICES | | | |
| K.1.1 Company Representative's Office | | | |
| Quantity : | no. | no. | |
| Complete with desk, filing cabinet(s) and other necessary furniture : | yes/no | yes/no | |
| Unrestricted view to drill floor : | yes/no | yes/no | |
| K.1.2 Contractor Representative's Offices | | | |
| Quantity : | no. | no. | |
| Unrestricted view to drill floor : | yes/no | yes/no | |
| K.1.3 Radio Room | | | |
| Quantity : | no. | no. | |
| K.1.4 Hospital Room | | | |
| Number of beds/bunks : | no. | no. | |
| Wash basin : | yes/no | yes/no | |
| Medical cabinet : | yes/no | yes/no | |
| Dangerous drugs : | yes/no | yes/no | |
| Separate Ventilation : | yes/no | yes/no | |
| K.2 LIVING QUARTERS | | | |

| | | | | COMMENTS 2024 |
|--|-----------------|--|---------------|---------------|
| Number of Levels : | no. | | no. | |
| Number of Elevators : | no. | | no. | |
| K.2.1 Accommodations | | | | |
| Total quantity : | no. | | no. | |
| Quantity of single bed rooms : | no. | | no. | |
| toilet (private/shared/communal) : | | | | |
| Quantity of two bed rooms : | no. | | no. | |
| toilet (private/shared/communal) : | | | | |
| Quantity of four bed rooms : | no. | | no. | |
| toilet (private/shared/communal) : | | | | |
| Quantity of six bed rooms : | no. | | no. | |
| toilet (private/shared/communal) : | | | | |
| Quantity of eight bed rooms : | no. | | no. | |
| toilet (private/shared/communal) : | | | | |
| K.2.2 Galley | | | | |
| Quantity : | no. | | no. | |
| Dry food store : | no. | | no. | |
| Refrigerator : | no. | | no. | |
| K.2.3 Mess Seating Capacity | | | | |
| Main mess : | no. | | no. | |
| Aux. mess : | no. | | no. | |
| K.2.4 Meeting Rooms | | | | |
| Quantity : | no. | | no. | |
| K.2.5 Recreation Rooms | | | | |
| Quantity : | no. | | no. | |
| Recreation facilities : | no. | | no. | |
| TV : | no. | | no. | |
| Video Playback Equipment: | no. | | no. | |
| Pool Table : | no. | | no. | |
| Ping Pong Table : | no. | | no. | |
| Internet Cafe : | no. | | no. | |
| Public Phone Booths : | no. | | no. | |
| Crew Welfare Wifi : | no. | | no. | |
| Other : | no. | | no. | |
| K.2.6 Other Facilities | | | | |
| Helicopter Arrival / Departure Lounge : | | | | |
| Laundry : | no. | | no. | |
| Male Restrooms : | no. | | no. | |
| Female Restrooms : | no. | | no. | |
| Male Change Rooms : | no. | | no. | |
| Female Change Rooms : | no. | | no. | |
| Prayer Room : | no. | | no. | |
| Cinema : | no. | | no. | |
| Workout/Weight Room : | no. | | no. | |
| Sauna : | no. | | no. | |
| L. SAFETY EQUIPMENT | IMPERIAL | | METRIC | |
| L.1 GENERAL SAFETY EQUIPMENT | | | | |
| L.1.1 General Personnel Protective Gear | | | | |
| Safety hats (contractor only/everyone/not supplied) : | | | | |
| Safety boots (contractor only/everyone/not supplied) : | | | | |
| Safety clothing (contractor only/everyone/not supplied) : | | | | |
| Ear protection (contractor only/everyone/not supplied) : | | | | |
| Rubber gloves (contractor only/everyone/not supplied) : | | | | |
| Rubber aprons (contractor only/everyone/not supplied) : | | | | |
| Fullface visors (contractor only/everyone/not supplied) : | | | | |
| Eye shields (for grinding machines, etc.) : | | | | |
| (Contractor only/everyone/not supplied) : | | | | |
| Dust masks (contractor only/everyone/ not supplied) : | | | | |
| Rubber gloves - elbow length for chemical handling : | | | | |
| (Contractor only/everyone/not supplied) : | | | | |
| Explosion proof handtorches c/w batteries : | | | | |
| (Contractor only/everyone/not supplied) : | | | | |
| Safety belts c/w lines (contractor only/everyone/not supplied) : | | | | |
| L.1.2 Eye Wash Stations | yes/no | | yes/no | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Located at : | | | | |
| L.1.3 Derrick Safety Equipment | | | | |

| | | | | COMMENTS 2024 | |
|---|--------|--|--------|---------------|--|
| Derrick escape chute (rem chute) : | no. | | no. | | |
| Make : | | | | | |
| Type : | | | | | |
| Derrick safety belts : | no. | | no. | | |
| Make : | | | | | |
| Type : | | | | | |
| L.1.4 Derrick Climbing Assistant or Derrick Elevator | | | | | |
| Make : | | | | | |
| Type : | | | | | |
| L.1.5 Fresh Air Blowers (Bug Blowers) | | | | | |
| Quantity : | no. | | no. | | |
| Make : | | | | | |
| Type : | | | | | |
| Located at : | | | | | |
| L.2 GAS/FIRE/SMOKE DETECTION | | | | | |
| L.2.1 H2S Monitoring System | | | | | |
| Make : | | | | | |
| Type : | | | | | |
| Sampling points at | | | | | |
| Bellnipple : | yes/no | | yes/no | | |
| Drillfloor : | yes/no | | yes/no | | |
| Shale shaker : | yes/no | | yes/no | | |
| Mud tanks : | yes/no | | yes/no | | |
| Ventilation system into living quarters : | yes/no | | yes/no | | |
| Other : | | | | | |
| General alarm : | yes/no | | yes/no | | |
| Alarm types (audible, visual, both) at | | | | | |
| Driller's console : | yes/no | | yes/no | | |
| Engine room : | yes/no | | yes/no | | |
| Mud room : | yes/no | | yes/no | | |
| Living quarters each level : | yes/no | | yes/no | | |
| Central area each structural level : | yes/no | | yes/no | | |
| Other : | | | | | |
| Central alarm panel : | yes/no | | yes/no | | |
| Located at : | | | | | |
| L.2.2 Combustible Gas Monitoring System | | | | | |
| Make : | | | | | |
| Type : | | | | | |
| Sampling points at | | | | | |
| Bellnipple : | yes/no | | yes/no | | |
| Drillfloor : | yes/no | | yes/no | | |
| Shale shaker : | yes/no | | yes/no | | |
| Mud tanks : | yes/no | | yes/no | | |
| Ventilation system into living quarters : | yes/no | | yes/no | | |
| Other : | | | | | |
| General alarm : | yes/no | | yes/no | | |
| Alarm types (audible, visual, both) at | | | | | |
| Driller's console : | | | | | |
| Other : | | | | | |
| L.2.3 H2S Detectors (Portable) | | | | | |
| Quantity : | no. | | no. | | |
| Make : | | | | | |
| Type : | | | | | |
| Phials for H2S: measuring range | | | | | |
| from 1 to 20 ppm : | no. | | no. | | |
| from 100 to 600 ppm : | no. | | no. | | |
| L.2.4 CO2 Gas Detectors (Portable) | | | | | |
| Quantity : | no. | | no. | | |
| Make : | | | | | |
| Type : | | | | | |
| Phials for CO2: measuring range | | | | | |
| from 1 to 20 ppm : | no. | | no. | | |
| from 20 to 200 ppm : | no. | | no. | | |
| L.2.5 Explosive Gas Meters | | | | | |
| Quantity : | no. | | no. | | |
| Make : | | | | | |
| Type : | | | | | |
| L.2.6 Fire/Smoke Detectors in Accommodation | | | | | |
| Make : | | | | | |
| Type : | | | | | |
| Fire detection : | yes/no | | yes/no | | |
| Smoke detection : | yes/no | | yes/no | | |
| Central alarm panel : | yes/no | | yes/no | | |

| Location : | | | | COMMENTS 2024 |
|---|----------|--|----------|---------------|
| L.3 FIRE FIGHTING EQUIPMENT | | | | |
| L.3.1 Fire Pumps | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Model : | | | | |
| Type : | | | | |
| Output (each) : | gpm | | l / min | |
| All offtake points supplied by each pump : | yes/no | | yes/no | |
| Location of pumps : | | | | |
| Fire fighting water delivery conforms to IMO MODU spec : | yes/no | | yes/no | |
| IMO MODU spec version : | | | | |
| L.3.2 Hydrants and Hoses | | | | |
| Hydrants positioned such that any point may be reached by a single hose length from two separate hydrants : | yes/no | | yes/no | |
| Quantity of hydrants : | no. | | no. | |
| Hose connections/hydrant : | no. | | no. | |
| Hose max. diam. : | in | | mm | |
| Length : | ft | | m | |
| L.3.3 Portable Fire Extinguishers | | | | |
| Quantity (total) : | no | | no | |
| Type 1 - CO2 : | no. / lb | | no. / kg | |
| Type 2 - Dry chemical : | no. / lb | | no. / kg | |
| Type 3 - Foam : | no. / lb | | no. / kg | |
| Mounted adjacent to access ways and escape routes : | yes/no | | yes/no | |
| L.3.4 Fire Blankets | | | | |
| Location : | | | | |
| Quantity : | no. | | no. | |
| L.3.5 Fixed Foam System | | | | |
| Automatically injected into fixed fire water system at central point with remote manual control : | yes/no | | yes/no | |
| Make : | | | | |
| Type : | | | | |
| Quantity foam stored on site : | ft3 | | m3 | |
| Inductor tube : | yes/no | | yes/no | |
| Foam nozzles : | no. | | no. | |
| Located at : | | | | |
| L.3.6 Helideck Foam System | | | | |
| Dedicated system adequate for at least 10 minutes fire fighting at the rate quoted in the IMO MODU code : | yes/no | | yes/no | |
| IMO MODU code version : | | | | |
| Make : | | | | |
| Type : | | | | |
| Quantity of monitors : | no. | | no. | |
| Foam type : | | | | |
| Rate : | gpm | | l / min | |
| L.3.7 Fixed Fire Extinguishing System | | | | |
| Protected spaces : | | | | |
| Engine room, type (Halon/CO2/Water Mist, etc.) : | | | | |
| Paint locker, type (Halon/CO2/Water Mist, etc.) : | | | | |
| Emergency generator, type (Halon/CO2/Water Mist, etc.) : | | | | |
| SCR room, type (Halon/CO2/Water Mist, etc.) : | | | | |
| Other (specify location & type) : | | | | |
| Alarms (audible, visual or both) : | | | | |
| Automatic shutting of mechanical ventilation in protected spaces : | yes/no | | yes/no | |
| Remote manual release located at : | | | | |
| L.3.8 Manual Water Deluge System | | | | |
| Protected spaces : | | | | |
| Water supplied from fire main line : | yes/no | | yes/no | |
| L.3.9 Water Sprinkler System in Accommodation | | | | |
| Automatic : | yes/no | | yes/no | |
| Working pressure : | psi | | bar | |
| Pressurized tank capacity : | ft3 | | m3 | |
| L.4 BREATHING APPARATUS | | | | |
| L.4.1 General Sets | | | | |
| Quantity : | no. | | no. | |

| | | | | COMMENTS 2024 |
|--|---------|--|---------|---------------|
| Make : | | | | |
| Type : | | | | |
| Bottle duration : | min | | min | |
| Located at : | qty/loc | | qty/loc | |
| L.4.2 Derrickman Escape Sets | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Bottle duration : | min | | min | |
| Located at : | | | | |
| L.4.3 Cascade Stations | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Locations/outlets at location : | | | | |
| L.4.4 Breathing Air Recharge Compressor | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| Located at : | | | | |
| L.4.5 Compressed Air Breathing Apparatus Trolley Unit | | | | |
| Positive pressure : | yes/no | | yes/no | |
| Make : | | | | |
| Type : | | | | |
| Air line length : | no. | | no. | |
| Compressed air bottles : | ft3 | | m3 | |
| Quantity : | | | | |
| Size : | | | | |
| Including : | | | | |
| Face mask : | yes/no | | yes/no | |
| Demand valve : | yes/no | | yes/no | |
| Microphone : | yes/no | | yes/no | |
| Safety harness : | yes/no | | yes/no | |
| Safety line (incorporating telephone line) : | yes/no | | yes/no | |
| L.4.6 Air Purity Test Equipment | | | | |
| Quantity : | no. | | no. | |
| Make : | | | | |
| Type : | | | | |
| L.5 EMERGENCY FIRST AID EQUIPMENT | | | | |
| L.5.1 First Aid Kits | | | | |
| Quantity : | no. | | no. | |
| L.5.2 Burn Kits | | | | |
| Quantity : | no. | | no. | |
| L.5.3 Resuscitators | | | | |
| Quantity : | no. | | no. | |
| Charged (spare) oxygen cylinders : | no. | | no. | |
| L.5.4 Stretchers | | | | |
| Quantity : | no. | | no. | |
| Type : | | | | |
| Located at : | | | | |
| L.5.5 Defibrillators / AED's | | | | |
| Quantity : | no. | | no. | |
| Type : | | | | |
| Located at : | | | | |
| L.6 HELIDECK RESCUE EQUIPMENT | | | | |
| L.6.1 Storage Boxes | | | | |
| Quantity : | no. | | no. | |
| Max height open : | in | | mm | |
| L.6.2 Equipment | | | | |
| Aircraft axe : | yes/no | | yes/no | |
| Large firemans rescue axe : | yes/no | | yes/no | |
| Crowbar : | yes/no | | yes/no | |
| Heavy duty hacksaw : | yes/no | | yes/no | |

| | | | |
|---|--------------|-------------|----------------------|
| Spare blades : | yes/no | yes/no | COMMENTS 2024 |
| Grappel hook : | yes/no | yes/no | |
| Length of wire rope attached : | ft | m | |
| Quick release knife : | yes/no | yes/no | |
| Bolt croppers : | yes/no | yes/no | |
| L.7 RIG SAFETY STORE | | | |
| Equipment to repair, recharge and restock safety equipment as listed below : | | | |
| Foam concentrate : | yes/no | yes/no | |
| Dry chemical charges : | yes/no | yes/no | |
| CO2 charges for dry chemical extinguishers : | yes/no | yes/no | |
| CO2 charges for water extinguishers : | yes/no | yes/no | |
| CO2 charges for foam extinguishers : | yes/no | yes/no | |
| Discharge hoses, control nozzles and horns and washers for CO2 extinguishers : | yes/no | yes/no | |
| Discharge hoses, control nozzles and horns and washers for dry chemical extinguishers : | yes/no | yes/no | |
| Fire blankets : | yes/no | yes/no | |
| Fireproof gloves : | yes/no | yes/no | |
| Rubber gloves - elbow length : | yes/no | yes/no | |
| Rubber aprons : | yes/no | yes/no | |
| Rubber boots : | yes/no | yes/no | |
| Full face visors : | yes/no | yes/no | |
| Eye shields (for grinding machines, etc.) : | yes/no | yes/no | |
| Dust masks : | yes/no | yes/no | |
| Spare safety helmets, boots, overalls : | yes/no | yes/no | |
| Gloves, hand torches, batteries, etc. : | yes/no | yes/no | |
| Spare lifebuoys : | yes/no | yes/no | |
| Spare lifebuoy lights : | yes/no | yes/no | |
| Fresh air blowers/inductors for ventilating enclosed spaces : | yes/no | yes/no | |
| Spare life jackets : | yes/no | yes/no | |
| Safety belts c/w line : | yes/no | yes/no | |
| Full safety harnesses : | yes/no | yes/no | |
| Spare derrickman's safety belts : | yes/no | yes/no | |
| Spare CABA bottles, charged : | yes/no | yes/no | |
| L.8 EMERGENCY WARNING ALARMS | | | |
| Approved system to give warning of different emergencies : | yes/no | yes/no | |
| L.9 SURVIVAL EQUIPMENT | | | |
| L.9.1 Lifeboats | | | |
| Make : | | | |
| Type : | | | |
| Quantity : | no. | no. | |
| Capacity : | person/craft | person/cram | |
| Locations (fore, apt, port, stbd) : | | | |
| Fire protection : | yes/no | yes/no | |
| Radios : | yes/no | yes/no | |
| Flares : | yes/no | yes/no | |
| Food : | yes/no | yes/no | |
| First aid kits : | yes/no | yes/no | |
| L.9.2 Liferrafts | | | |
| Make : | | | |
| Type : | | | |
| Quantity : | no. | no. | |
| Capacity : | person/craft | person/cram | |
| Davit launched : | yes/no | yes/no | |
| Locations (fore, apt, port, stbd) : | | | |
| Fire protection : | yes/no | yes/no | |
| Radios : | yes/no | yes/no | |
| Flares : | yes/no | yes/no | |
| Food : | yes/no | yes/no | |
| First aid kits : | yes/no | yes/no | |
| L.9.3 Rescue Boat | | | |
| Make : | hp | hp | |
| Type : | | | |
| Engine power : | | | |
| L.9.4 Life Jackets | | | |
| Make : | | | |
| Type : | | | |
| Quantity : | no. | no. | |
| L.9.5 Life Buoys | | | |
| Make : | | | |
| Type : | | | |
| Quantity : | no. | no. | |

| L.9.6 Work Vests | | | | COMMENTS 2024 |
|--|-----|----------|--------|---------------|
| Make : | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| L.9.7 Escape Ladders/Nets | | | | |
| Make : | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| L.9.8 Distress Signals | | | | |
| Type : | | | | |
| Quantity : | no. | | no. | |
| M. POLLUTION PREVENTION EQUIPMENT | | IMPERIAL | METRIC | |
| M.1 SEWAGE TREATMENT | | | | |
| Make : | | | | |
| Model : | | | | |
| System type : | | | | |
| Conforms to (Marpol annex IV, etc.) : | | | | |
| M.2 GARBAGE COMPACTION | | yes/no | yes/no | |
| Make : | | | | |
| Model : | | | | |
| System type : | | | | |
| Conforms to (Marpol annex IV, etc.) : | | | | |
| M.3 GARBAGE DISPOSAL/GRINDER | | yes/no | yes/no | |
| Make : | | | | |
| Model : | | | | |
| System type : | | | | |
| Conforms to (Marpol annex IV, etc.) : | | | | |
| M.4 DECK DRAINAGE (Fully Contained Main Deck) | | yes/no | yes/no | |
| M.5 DEDICATED OILY WATER SEPARATOR | | yes/no | yes/no | |
| Make : | | | | |
| Model : | | | | |
| System type : | | | | |
| Conforms to (Marpol annex IV, etc.) : | | | | |
| N. MANAGED PRESSURE DRILLING / UNDERBALANCED OPERATIONS | | IMPERIAL | METRIC | |
| N.1 SURFACE EQUIPMENT | | | | |
| N.1.1 Surface Rigid Lines | | | | |
| Moonpool to Buffer Manifold : | | | | |
| Length of Line : | ft | | m | |
| ID : | in | | mm | |
| Pressure Rating : | psi | | bar | |
| Location : | | | | |
| Height between equipment : | ft | | m | |
| Buffer Manifold to Junk Catcher : | | | | |
| Length of Line : | ft | | m | |
| ID : | in | | mm | |
| Pressure Rating : | psi | | bar | |
| Height between equipment : | ft | | m | |
| Junk Catcher to MPD Manifold (Choke/Coriolis) : | | | | |
| Length of Line : | ft | | m | |
| ID : | in | | mm | |
| Pressure Rating : | psi | | bar | |
| Height between equipment : | ft | | m | |
| MPD Manifold (Choke/Coriolis) to Flow Line - Trip Tank - MGS : | | | | |
| Length of Line : | ft | | m | |
| ID : | in | | mm | |
| Pressure Rating: | psi | | bar | |
| Height between equipment: | ft | | m | |
| Buffer Manifold to MGS (PRV Line) : | | | | |
| Length of Line : | ft | | m | |
| ID : | in | | mm | |
| Pressure Rating : | psi | | bar | |
| Height between equipment : | ft | | m | |
| Buffer Manifold to Flow Line - Trip Tank - MGS (By Pass Line) : | | | | |
| Length of Line : | ft | | m | |
| ID : | in | | mm | |
| Pressure Rating : | psi | | bar | |

| | | | ft | m | COMMENTS 2024 |
|--|--|--|----|--|---------------|
| Height between equipment : | | | | | |
| Trip Tank to Buffer Manifold : | | | | | |
| Length of Line : | | ft | | m | |
| ID : | | in | | mm | |
| Pressure Rating : | | psi | | bar | |
| Height between equipment : | | ft | | m | |
| Stand Pipe Manifold to Buffer Manifold : | | | | | |
| Length of Line : | | ft | | m | |
| ID : | | in | | mm | |
| Pressure Rating : | | psi | | bar | |
| Height between equipment : | | ft | | m | |
| Choke Manifold to Buffer Manifold : | | | | | |
| Length of Line : | | ft | | m | |
| ID : | | in | | mm | |
| Pressure Rating : | | psi | | bar | |
| Height between equipment : | | ft | | m | |
| PRV (Protection of Choke to Buffer Manifold Line) : | | | | | |
| Manufacturer : | | | | | |
| Pressure Rating : | | psi | | bar | |
| Actuation : | | Automated/ Semi- Automated / Manual | | Automated/ Semi- Automated / Manual | |
| Valve ID : | | in | | mm | |
| Discharge ID : | | in | | mm | |
| PRV (Protection of Well) : | | | | | |
| Manufacturer : | | | | | |
| Pressure Rating : | | psi | | bar | |
| Actuation : | | Automated/ Semi- Automated / Manual | | Automated/ Semi- Automated / Manual | |
| Valve ID : | | in | | mm | |
| Discharge ID : | | in | | mm | |
| PRV (Protection of Stand Pipe Manifold to Buffer Manifold Line) : | | | | | |
| Manufacturer : | | | | | |
| Pressure Rating : | | psi | | bar | |
| Actuation : | | Automated/ Semi- Automated / Manual | | Automated/ Semi- Automated / Manual | |
| Valve ID : | | in | | mm | |
| Discharge ID : | | in | | mm | |
| N.1.2 Buffer Manifold | | | | | |
| Manufacturer : | | | | | |
| Dimensions : | | | | | |
| Weight of Skid : | | lb | | kg | |
| Valve ID : | | in | | mm | |
| Pressure Rating : | | psi | | bar | |
| Number of Pressure Sensors : | | no. | | no. | |
| Location of Pressure Sensors : | | | | | |
| Number of Pressure Sensors : | | no. | | no. | |
| Location of Pressure Sensors : | | | | | |
| Number of Pressure Sensors : | | no. | | no. | |
| Location of Pressure Sensors : | | | | | |
| N.1.3 Junk Catcher | | | | | |
| Manufacturer : | | | | | |
| Dimensions : | | in | | mm | |
| Weight of Skid : | | lb | | kg | |
| Valve ID : | | in | | mm | |
| Line ID : | | in | | mm | |
| Pressure Rating : | | psi | | bar | |
| N.1.4 MPD Manifold | | | | | |
| Choke : | | no | | no | |
| Manufacturer : | | | | | |
| Dimensions : | | in | | mm | |
| Weight of Skid : | | lb | | kg | |
| Valve ID : | | in | | mm | |
| Line ID : | | in | | mm | |
| Pressure Rating : | | psi | | bar | |
| Location : | | Before/ After Coriolis | | Before/ After Coriolis | |
| Actuation : | | Elec / Hyd | | Elec / Hyd | |
| N.1.5 Flowmeter (Coriolis) (also see Section H.1.7) | | | | | |
| | | no | | no | |
| Manufacturer : | | | | | |
| Dimensions : | | in | | mm | |
| Weight of Skid : | | lb | | kg | |
| Valve ID : | | in | | mm | |

| Line ID : | in | mm | COMMENTS 2024 |
|--|--------------------|--------------------|---------------|
| Pressure Rating : | psi | bar | |
| N.1.6 MPD Control Cabin | | | |
| Manufacturer : | | | |
| Dimensions : | in | mm | |
| Weight of Skid : | lb | kg | |
| Company System Control : | | | |
| MPD control panel : | yes/no | yes/no | |
| Type : | | | |
| Secondary Panel Location : | | | |
| N.1.7 Offskid Valves (Add below as necessary) | | | |
| Valve #1 : | | | |
| Manufacturer : | | | |
| Valve ID : | in | mm | |
| Pressure Rating : | psi | bar | |
| Location : | | | |
| Interlocked with : | | | |
| Actuation : | Elec / Hyd / Man | Elec / Hyd / Man | |
| N.1.8 Hydraulic Power Unit (HPU) | | | |
| Dimensions : | in | mm | |
| Weight of Skid : | lb | kg | |
| Work Pressure Rating : | psi | bar | |
| Actuation Type : | | | |
| Number of Times Before Repressuring : | no. | no. | |
| N.1.9 Umbilical Control | | | |
| Dimensions : | in | mm | |
| Weight of Skid : | lb | kg | |
| Actuation Type : | | | |
| N.1.10 Umbilical Control | | | |
| Dimensions : | in | mm | |
| Weight of Skid : | lb | kg | |
| Actuation Type : | | | |
| N.1.11 Nitrogen Generation Unit | | | |
| Dimensions : | in | mm | |
| Weight of Skid : | lb | kg | |
| Work Pressure Rating : | psi | bar | |
| Actuation Type : | | | |
| N.1.12 Multiphase Separation System | | | |
| Dimensions : | in | mm | |
| Weight of Skid : | lb | kg | |
| Work Pressure Rating : | psi | bar | |
| Actuation Type : | | | |
| N.1.13 Other Surface Equipment | | | |
| Manufacturer : | | | |
| Location : | | | |
| Dimensions : | in | mm | |
| Weight of Skid : | lb | kg | |
| Work Pressure Rating : | psi | bar | |
| Actuation Type : | | | |
| N.1.14 MPD Alternate Power Supply | | | |
| UPS : | yes/no | yes/no | |
| Supply : | W | W | |
| Runtime : | min. | min. | |
| N.2 SUBSEA EQUIPMENT | | | |
| N.2.1 MPD Riser Joint | | | |
| Total Length : | in | mm | |
| Length with Crossovers : | in | mm | |
| Weight : | lb | kg | |
| Weight with Crossovers : | lb | kg | |
| Maximum OD : | in | mm | |
| Maximum Tension Rating : | lbf | lbf | |
| Maximum Tension Rating with Pressure/ Bending Movement : | lbf | lbf | |
| Field Serviceable Packer : | yes / no | yes / no | |
| Third Party Certification : | | | |
| Bleed Line Connection : | integral / flanged | mmtegral / flanged | |
| ID : | in | mm | |

| | | | | COMMENTS 2024 |
|--|------------------------------------|--|------------------------------------|---------------|
| Umbilical Connection # 1 : | no. | | no. | |
| OD : | in | | mm | |
| Actuation Type : | pneu / hyd / elec | | pneu / hyd / elec | |
| | | | | |
| Umbilical Line Connection # 2 : | no. | | no. | |
| OD : | in | | mm | |
| Actuation Type : | pneu / hyd / elec | | pneu / hyd / elec | |
| | | | | |
| Moonpool Connections : | no. | | no. | |
| Type : | remote/ manual | | remote/ manual | |
| Location : | relief line/ flow spool/ umbilical | | relief Imme/ flow spool/ umbilical | |
| Type : | remote/ manual | | remote/ manual | |
| Location : | relief line/ flow spool/ umbilical | | relief Imme/ flow spool/ umbilical | |
| Type : | remote/ manual | | remote/ manual | |
| Location : | relief line/ flow spool/ umbilical | | relief Imme/ flow spool/ umbilical | |
| | | | | |
| Auxiliary Lines : | | | | |
| Choke/Kill Maximum Pressure : | psi | | bar | |
| Mud Booster Maximum Pressure : | psi | | bar | |
| Hydraulics Maximum Pressure : | psi | | bar | |
| | | | | |
| Valve #1: (Add below as necessary) | | | | |
| Manufacturer : | | | | |
| Valve ID : | in | | mm | |
| Pressure Rating : | psi | | bar | |
| Location : | | | | |
| Actuation : | elec / hyd | | elec / hyd | |
| | | | | |
| Hose #1 : | | | | |
| Description : | w/ swivel yes/no | | w/ swivel yes/no | |
| Length : | in | | mm | |
| Weight : | lb | | kg | |
| OD : | in | | mm | |
| ID : | in | | mm | |
| Working Pressure Rating : | psi | | bar | |
| | | | | |
| Hose #2 : | | | | |
| Description : | w/ swivel yes/no | | w/ swivel yes/no | |
| Length : | in | | mm | |
| Weight : | lb | | kg | |
| OD : | in | | mm | |
| ID : | in | | mm | |
| Working Pressure Rating : | psi | | bar | |
| | | | | |
| Hose #3 : | | | | |
| Description : | w/ swivel yes/no | | w/ swivel yes/no | |
| Length : | in | | mm | |
| Weight : | lb | | kg | |
| OD : | in | | mm | |
| ID : | in | | mm | |
| Working Pressure Rating : | psi | | bar | |
| | | | | |
| N.2.1.1 Rotating Control Device (RCD) | | | | |
| Length : | in | | mm | |
| Minimum Throughbore ID : | in | | mm | |
| Sleeve Protection : | yes/no | | yes/no | |
| Bearing Assembly OD : | in | | mm | |
| Static Pressure Rating : | psi | | bar | |
| Dynamic Pressure Rating : | | | | |
| Temperature Range : | °F | | °C | |
| Maximum rpm Rating : | rpm | | rpm | |
| Third Party Certification : | | | | |
| Field Serviceable : | yes/no | | yes/no | |
| Valve Actuation : | elec / hyd | | elec / hyd | |
| Elastometer Estimated Working Hours : | hrs. | | hrs. | |
| | | | | |
| Sensors : | no. | | no. | |
| Type : | temp / press | | temp / press | |
| Location : | | | | |
| | | | | |
| RCD Accessories : | | | | |
| Logging adapter : | yes/no | | yes/no | |
| Snubbing adapter : | yes/no | | yes/no | |
| Test plug: | yes/no | | yes/no | |
| | | | | |
| N.2.1.2 MPD Surface Annular | | | | |

| | | | COMMENTS 2024 |
|---|--------------------|--------------------|---------------|
| Length : | in | mm | |
| Minimum Throughbore ID : | in | mm | |
| Static Pressure Rating : | psi | bar | |
| Minimum Hydraulic Operating Pressure : | psi | bar | |
| Temperature Range : | °F | °C | |
| Complete Seal Off : | Yes/ No | Yes/ No | |
| Third Party Certification : | | | |
| Field Serviceable : | Yes/ No | Yes/ No | |
| Sensors: | | | |
| Type : | no. | no. | |
| Location : | temp / press | temp / press | |
| N.2.1.3 Flow Spool | | | |
| Length : | in | mm | |
| Maximum OD : | in | mm | |
| Minimum Throughbore ID : | in | mm | |
| Maximum Working Pressure : | psi | bar | |
| Maximum Hydraulic Operating Pressure : | psi | bar | |
| Temperature Range : | °F | °C | |
| Third Party Certification : | | | |
| Valve Actuation : | elec / hyd | elec / hyd | |
| Sensors: | | | |
| Type : | temp / press | temp / press | |
| Location : | | | |
| N.2.1.4 Additional Equipment | | | |
| Description : | | | |
| O. ROV (REMOTELY OPERATED VEHICLE) | | | |
| | IMPERIAL | METRIC | |
| O.1 General | | | |
| Manufacturer : | | | |
| Type : | | | |
| Class : | Work / Observation | Work / Observation | |
| Deck space and load : | | | |
| Maximum total deck space requirements : | ft ² | m ² | |
| Maximum load between handling system and deck structure : | | | |
| Operational depth and range : | | | |
| Operating depth : | ft | m | |
| Operational radius from top hat/garage : | ft | m | |
| Launch & recover design/technical limitations : | | | |
| Wind speed : | ft/min | m/s | |
| Wave height (Hmax) : | ft | m | |
| Roll (max) : | degrees | degrees | |
| Surface current (max) : | ft/min | m/s | |
| Wave period : | s | s | |
| Installation heave : | ft | m | |
| Launch & recovery operational limitations : | | | |
| Wind speed : | ft/min | m/s | |
| Wave height (Hmax) : | ft | m | |
| Roll (max) : | degrees | degrees | |
| Surface current speed (max) : | ft/min | m/s | |
| Wave period : | s | s | |
| Installation heave : | ft | m | |
| Operational weather limitations : | | | |
| Wind speed : | ft/min | m/s | |
| Wave height (Hs) : | ft | m | |
| Wave period : | s | s | |
| Surface current speed (max) : | ft/min | m/s | |
| Bottom current speed (max) : | ft/min | m/s | |
| Surface current speed in Equatorial Margin (max) : | ft/min | m/s | |
| Visibility (min) : | ft | m | |
| Installation heave : | ft | m | |
| Period for "riding out weather" submerged : | hours | hours | |
| Power consumption : | | | |
| Vehicle w/ Tether management system : | kVA | kVA | |
| Umbilical win w/ Handling system : | kVA | kVA | |
| Control container : | kVA | kVA | |
| Workshop/stores container : | kVA | kVA | |
| Total maximum power consumption : | | | |
| Main electric power supply : | | | |
| Voltage : | V | V | |
| Amperage : | A | A | |
| Frequency : | Hz | Hz | |
| Hydraulic outputs for additional tools : | | | |
| Min flow rate : | gpm | l / min | |
| Work pressure rate : | psi | bar | |

| | | | | COMMENTS 2024 |
|---|-----------------------|--|-----------------------|---------------|
| Flow rate / Pressure adjustment : | yes/no | | yes/no | |
| O.2 Vehicle | | | | |
| Propulsion : | HP | | HP | |
| Dimensions : | | | | |
| Maximum length : | in | | mm | |
| Maximum width : | in | | mm | |
| Maximum height : | in | | mm | |
| Weight : | lb | | kg | |
| Speed : | | | | |
| Forward : | ft/min | | m/s | |
| Backward : | ft/min | | m/s | |
| Vertical : | ft/min | | m/s | |
| Lateral : | ft/min | | m/s | |
| Thrust : | | | | |
| No. of thrusters and position : | | | | |
| Forward : | N | | N | |
| Backward : | N | | N | |
| Vertical : | N | | N | |
| Lateral : | N | | N | |
| Turning rate : | deg / sec | | deg / sec | |
| Vehicle frame carrying load (through frame lift) : | lb | | kg | |
| Payload with standard equipment installed : | lb | | kg | |
| Thrust/lift capacity in front of vehicle : | N | | N | |
| O.2.1 Navigation and Positioning | | | | |
| Transponder cNODE compatible : | yes/no | | yes/no | |
| Depth gauge : | yes/no | | yes/no | |
| Dopler Velocity Log : | yes/no | | yes/no | |
| Accuracy : | in/s | | cm/s | |
| Altitude : | ft | | m | |
| Heading accuracy : | deg | | deg | |
| Drift from stationary condition (max) : | ft/min | | m/min | |
| Drift from moving position (max) : | ft/hr | | m/hr | |
| Magnetic compass : | yes/no | | yes/no | |
| Pitch / Roll / Date / Hour information : | yes/no | | yes/no | |
| Inertial Navigation System (Compass/Gyro) : | yes/no | | yes/no | |
| Auto latitude : | in | | cm | |
| Auto heading : | in | | cm | |
| Auto depth : | in | | cm | |
| Auto position : | in | | cm | |
| Auto Pitch : | yes/no | | yes/no | |
| Auto Roll : | yes/no | | yes/no | |
| Emergency locating beacon : | yes/no | | yes/no | |
| O.2.2 Power and Lighting | | | | |
| Electric power capacity for tooling : | | | | |
| No. of lights-vehicle : | | | | |
| No. of elec. circuits for light : | | | | |
| Lightning capacity-vehicle (correct for color camera) : | Lumen | | Lumen | |
| O.2.3 Buoyancy | | | | |
| Fixed buoyancy : | yes/no | | yes/no | |
| Payload with standard equipment installed : | lb | | kg | |
| Other information : | | | | |
| O.2.4 Hand Manipulator 1 | | | | |
| Manipulator orientation : | Right / Center / Left | | Right / Center / Left | |
| Control method (master/slave) : | | | | |
| Feedback : | Master Slave / Rate | | Master Slave / Rate | |
| No. of functions : | | | | |
| Parallel acting jaw : | yes/no | | yes/no | |
| Incremental jaw function : | yes/no | | yes/no | |
| Finger claw : | yes/no | | yes/no | |
| Axial reach from front of vehicle : | in | | mm | |
| Horizontal reach : | in | | mm | |
| Vertical reach below lowest part of ROV : | in | | mm | |
| Vertical reach upwards from lowest part of ROV : | in | | mm | |
| Lift capacity at full extension : | lb | | kg | |
| Lift capacity fully contracted : | lb | | kg | |
| Push/pull force capacity : | N | | N | |
| Wrist rotate, continuous : | yes/no | | yes/no | |
| Wrist rotation torque : | Nm | | Nm | |
| Torque sensor : | yes/no | | yes/no | |
| Mini camera on the wrist : | yes/no | | yes/no | |
| Claw grip force (nominal) : | N | | N | |
| Claw capacity - Outer diameter of tubulars : | in | | mm | |
| O.2.5 Hand Manipulator 2 | | | | |
| Manipulator orientation : | Right / Center / Left | | Right / Center / Left | |

| | | | | COMMENTS 2024 |
|--|---------------------|--|---------------------|---------------|
| Control method (master/slave) : | | | | |
| Feedback : | Master Slave / Rate | | Master Slave / Rate | |
| No. of functions : | no. | | no. | |
| Parallel acting jaw : | yes/no | | yes/no | |
| Incremental jaw function : | yes/no | | yes/no | |
| Finger claw : | yes/no | | yes/no | |
| Axial reach from front of vehicle : | in | | mm | |
| Horizontal reach : | in | | mm | |
| Vertical reach below lowest part of ROV : | in | | mm | |
| Vertical reach upwards from lowest part of ROV : | in | | mm | |
| Lift capacity at full extension : | lb | | kg | |
| Lift capacity fully contracted : | lb | | kg | |
| Push/pull force capacity : | N | | N | |
| Wrist rotate, continuous : | yes/no | | yes/no | |
| Wrist rotation torque : | Nm | | Nm | |
| Torque sensor : | yes/no | | yes/no | |
| Mini camera on the wrist : | yes/no | | yes/no | |
| Claw grip force (nominal) : | N | | N | |
| Claw capacity - Outer diameter of tubulars : | in | | mm | |
| O.2.6 SONAR | | | | |
| Manufacturer : | | | | |
| Type : | | | | |
| Frequency : | Hz | | Hz | |
| Range : | ft | | m | |
| Range resolution : | % | | % | |
| Scanning sector : | deg | | deg | |
| Scanning speed at reduced resolution : | sec /360° | | sec /360° | |
| Scanning speed at maximum resolution : | sec /360° | | sec /360° | |
| High resolution color image generation : | yes/no | | yes/no | |
| Other information : | Description | | Description | |
| O.3 Television System | | | | |
| Resolution at surface monitor/video recorder : | | | | |
| | TV-lines | | TV-lines | |
| 3D enabled : | yes/no | | yes/no | |
| Option for 3D video : | yes/no | | yes/no | |
| Storage capacity : | hrs | | hrs | |
| Surface system ability to transmit and receive in UHF to / from another vessel : | yes / no / Distance | | yes / no / Distance | |
| Low light camera : | | | | |
| Light sensitivity (faceplate, full video) : | Lux | | Lux | |
| Resolution (TV-lines horizontal) : | TV-lines | | TV-lines | |
| Field of view (diagonal) : | deg | | deg | |
| Iris : | yes/no | | yes/no | |
| Focus control : | yes/no | | yes/no | |
| Focus : | | | | |
| Main camera (color) : | | | | |
| Light sensitivity (faceplate, full video) : | Lux | | Lux | |
| Resolution (TV-lines horizontal) : | TV-lines | | TV-lines | |
| Field of view (diagonal) : | deg | | deg | |
| Iris : | yes/no | | yes/no | |
| Focus control : | yes/no | | yes/no | |
| Focus : | | | | |
| Zoom control : | yes/no | | yes/no | |
| Zoom (optical) : | | | | |
| HDTV capable : | yes/no | | yes/no | |
| Manipulator camera (camera on a stick) : | | | | |
| Light sensitivity (faceplate, full video) : | Lux | | Lux | |
| Resolution (TV-lines horizontal) : | TV-lines | | TV-lines | |
| Field of view (diagonal) : | deg | | deg | |
| Iris : | yes/no | | yes/no | |
| Focus control : | yes/no | | yes/no | |
| Focus : | | | | |
| HDTV capable : | yes/no | | yes/no | |
| Manipulator camera (sleeve camera) : | | | | |
| Light sensitivity (faceplate, full video) : | Lux | | Lux | |
| Resolution (TV-lines horizontal) : | TV-lines | | TV-lines | |
| Field of view (diagonal) : | deg | | deg | |
| Iris : | yes/no | | yes/no | |
| Focus control : | yes/no | | yes/no | |
| Focus : | | | | |
| HDTV capable : | yes/no | | yes/no | |
| Underneath vehicle camera (soft landing camera) : | | | | |
| Light sensitivity (faceplate, full video) : | Lux | | Lux | |
| Resolution (TV-lines horizontal) : | TV-lines | | TV-lines | |
| Iris : | yes/no | | yes/no | |
| Focus control : | yes/no | | yes/no | |
| Focus : | | | | |
| Field of view (diagonal) : | deg | | deg | |
| Pan and tilt unit : | yes/no | | yes/no | |
| HDTV capable : | yes/no | | yes/no | |

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| Utility camera (rear) : | yes/no | yes/no | |
| Light sensitivity (faceplate, full video) : | Lux | Lux | |
| Resolution (TV-lines horizontal) : | TV-lines | TV-lines | |
| Field of view (diagonal) : | deg | deg | |
| Iris : | yes/no | yes/no | |
| Focus control : | yes/no | yes/no | |
| Focus : | | | |
| HDTV capable : | yes/no | yes/no | |
| | | | |
| TMS camera : | | | |
| Light sensitivity : | Lux | Lux | |
| Resolution (TV-lines horizontal) : | TV-lines | TV-lines | |
| Field of view (diagonal) : | Deg | Deg | |
| Pan and tilt unit : | yes/no | yes/no | |
| | | | |
| Surveillance video camera of Umbilical l/r area routed to Control Cabin : | yes/no | yes/no | |
| Zone rating : | | | |
| | | | |
| Video – quality : | Format | Format | |
| Digital video system : | yes/no | yes/no | |
| Video timer : | yes/no | yes/no | |
| Video printer : | yes/no | yes/no | |
| Video text/graphic overlay : | yes/no | yes/no | |
| Signal amplifier : | yes/no | yes/no | |
| Video channels from vehicle : | yes/no | yes/no | |
| Live video streaming with internet log-on : | yes/no | yes/no | |
| Other information : | Description | Description | |
| | | | |
| O.4 Tether management System (TMS) | | | |
| | | | |
| Dimensions (length x width x height) : | ft x ft x ft | m x m x m | |
| Tether length : | ft | m | |
| Tether weight in sea water : | lb/ft | kg/m | |
| Tether SWL : | kN | kN | |
| Tether breaking strength : | kN | kN | |
| Camera for ROV docking surveillance : | yes/no | yes/no | |
| Gyro/Compass : | yes/no | yes/no | |
| Horizontal excursion capacity : | ft | m | |
| Power pack : | yes/no | yes/no | |
| Thrusters for propulsion and station keeping : | yes/no | yes/no | |
| | | | |
| O.5 Umbilical | | | |
| | | | |
| Length : | ft | m | |
| Diameter : | in | mm | |
| Weight in air : | lb/ft | kg/m | |
| Weight in water : | lb/ft | kg/m | |
| SWL : | kN | kN | |
| Breaking load : | kN | kN | |
| Conductors : | | | |
| Telemetry : | coax / stwp / fiber | coax / stwp / fiber | |
| Video : | coax / stwp / fiber | coax / stwp / fiber | |
| Cable insulation material : | High voltage class | High voltage class | |
| Spare capacity for power : | | | |
| Spare capacity for telemetry : | | | |
| Spare capacity for video : | | | |
| | | | |
| O.6 Umbilical Winch | | | |
| | | | |
| Dimensions : | | | |
| Weight : | lb | kg | |
| Area classification : | | | |
| Line speed (1-st layer) : | ft/s | m/s | |
| Storage (on drum) : | ft | m | |
| Brake type : | | | |
| Remote control : | yes/no | yes/no | |
| Shock absorber/ Passive heave compensator : | yes/no | yes/no | |
| Emergency pull out capacity : | | kN | |
| Emergency stop at win area : | yes/no | yes/no | |
| Leak containment tray : | yes/no | yes/no | |
| | | | |
| O.7 Handling System | | | |
| | | | |
| Dimensions (length x width x height) : | ft x ft x ft | m x m x m | |
| Weight : | | kg | |
| Area classification : | | | |
| Safe Work Load : | Ton | Ton | |
| Max. lifting height : | ft | m | |
| | | | |
| O.8 Control Cabin / Control Room | | | |
| | | | |
| Dimensions (length x width x height) : | ft x ft x ft | m x m x m | |
| Weight : | lb | kg | |
| Area classification : | | | |
| Control console : | | | |
| No. of video monitors and type : | | | |
| No. of digital recorders and type : | | | |
| Video text/graphics/data overlay : | yes/no | yes/no | |

| | yes/no | | yes/no | COMMENTS 2024 |
|--|------------------------|--|------------------------|---------------|
| Video timer : | yes/no | | yes/no | |
| Video/photo handling printer : | yes/no | | yes/no | |
| Computerized video/photo handling printer : | yes/no | | yes/no | |
| Highlight DVD 1/week : | yes/no | | yes/no | |
| Digitized video for "frame grabbing" : | | | | |
| Diagnostics/graphics condition monitoring : | yes/no | | yes/no | |
| Ground fault detection/shutdown system : | yes/no | | yes/no | |
| Dedicated monitor for visitors : | yes/no | | yes/no | |
| Seats for visitors : | | | | |
| Combined with WROV control cabin : | yes/no | | yes/no | |
| Combined with OROV control cabin : | yes/no | | yes/no | |
| O.9 Hydraulic Power System | | | | |
| Redundant HPU configuration : | yes/no | | yes/no | |
| Separate hydraulic circuit for tooling ("dirty pack") : | yes/no | | yes/no | |
| Minimum hydraulic power output : | yes/no | | yes/no | |
| Total hydraulic power output : | kW | | kW | |
| Hydraulic power output for propulsion : | kW | | kW | |
| Hydraulic power output for tooling : | kW | | kW | |
| Independent injection system (water / MEG) of ROV : | yes/no | | yes/no | |
| Independent injection system (water / MEG) to BOP : | yes/no | | yes/no | |
| Fluid reservoir of ROV : | yes/no (L) | | yes/no (L) | |
| Fluid reservoir to BOP function : | yes/no (L) | | yes/no (L) | |
| Fluid closed loop system : | yes/no | | yes/no | |
| Hot Stab / Blind stab capacity : | yes/no | | yes/no | |
| Monitoring system to subsea equipment : | yes/no | | yes/no | |
| Injection pressure sensor : | Min volume measure | | Min volume measure | |
| Volume injected sensor : | yes/no | | yes/no | |
| Volume returned sensor : | yes/no | | yes/no | |
| Monitoring system to BOP : | yes/no | | yes/no | |
| Injection pressure sensor : | Min volume measure | | Min volume measure | |
| Volume injected sensor : | yes/no | | yes/no | |
| Volume returned sensor : | yes/no | | yes/no | |
| Pressure adjustment to subsea equipment : | yes/no | | yes/no | |
| Min / Max pressure : | psi | | bar | |
| Min flow rate : | gpm | | gpm | |
| Pressure adjustment to BOP : | yes/no | | yes/no | |
| Min / Max pressure : | psi | | bar | |
| Min flow rate : | gpm | | l / min | |
| O.10 Electro Hydraulic Interface for Tooling | | | | |
| Number of low flow outputs (including return and drain) : | | | | |
| Hydraulic pressure : | psi | | bar | |
| Hydraulic flow (bi-directional) : | gpm | | l/min | |
| Number of high flow outputs (including return and drain) : | | | | |
| Hydraulic pressure : | psi | | bar | |
| Hydraulic flow (bi-directional) : | gpm | | l/min | |
| Ethernet outlet : | yes/no | | yes/no | |
| Video connections spare lines : | no. | | no. | |
| AC Electrical Connections for Tooling : | V | | V | |
| DC Electrical Connections for Tooling : | V | | V | |
| O.11 Equipment | | | | |
| Tool basket underneath ROV : | yes/no | | yes/no | |
| Brackets for mounting supply items : | yes/no | | yes/no | |
| Current meter : | yes/no | | yes/no | |
| Emergency flasher : | yes/no | | yes/no | |
| Emergency locating beacon : | yes/no | | yes/no | |
| Low pressure pump/suction system (zip pump) : | yes/no | | yes/no | |
| Wire cutter soft/steel : | yes/no | | yes/no | |
| Emergency recovery tool : | yes/no | | yes/no | |
| Cable cutter for emergency cutting of ROV tether : | yes/no | | yes/no | |
| High pressure water jet : | yes/no | | yes/no | |
| Hydraulic disc grinder : | yes/no | | yes/no | |
| Hydraulic brush : | yes/no | | yes/no | |
| Impact wrench : | yes/no | | yes/no | |
| Torque tools range : | lb.ft | | kg.m | |
| Torque tools function : | clock / anti-clockwise | | clock / anti-clockwise | |
| Torque sensor : | yes/no | | yes/no | |
| Torque accuracy : | % | | % | |
| Revolution counter sensor : | yes/no | | yes/no | |
| ROV Hooks, number and load rating : | lb | | kg | |
| Cathodic protection probe (for stab readings) : | yes/no | | yes/no | |
| O-Ring exchange tool (AX, VX, VGX, VT) : | yes/no | | yes/no | |
| Monitor, cable and TV-signals to drill floor and client office : | yes/no | | yes/no | |
| HPU w/suitable filter system for flushing hydraulic systems and operation of ROV on tooling deck : | yes/no | | yes/no | |
| Failsafe AX/VX tool : | yes/no | | yes/no | |
| 2 set plastic fingers : | yes/no | | yes/no | |
| Cleaning tool : | yes/no | | yes/no | |
| Deading tool : | yes/no | | yes/no | |
| Standard cement, hydrocarbon and soil sample collector tool : | yes/no | | yes/no | |
| Water jetting tool, PH meter and cement sample collector tool : | yes/no | | yes/no | |
| O.12 Aux Power Pack / Clean Power Unit | | | | |

| | | | | COMMENTS 2024 |
|---|-----------------|--|-----------------|---------------|
| Workshop container : | | | | |
| Dimensions : | | | | |
| Weight : | lb | | kg | |
| Area classification : | | | | |
| Manufacturer / Type of pump : | | | | |
| Flush hydraulic fluid of vehicle for overall maintenance and test : | yes/no | | yes/no | |
| P. CUTTING DRYER / STORAGE / TRANSFER SYSTEM | IMPERIAL | | METRIC | |
| Q. WIRED PIPE EQUIPMENT | IMPERIAL | | METRIC | |
| R. CAPPING OPERATION (BLOW OUT COLLECTOR) | IMPERIAL | | METRIC | |
| R.1 SURFACE EQUIPMENT | | | | |
| R.1.1 Rigid Line | | | | |
| Piping between drilling area and the well test area : | Single / Double | | Single / Double | |
| Dimension : | in | | mm | |
| Work Pressure : | psi | | bar | |
| H2S resistant : | yes/no | | yes/no | |
| Burner #1 | yes/no | | yes/no | |
| Gas line : | in | | mm | |
| Pipe size ID : | in | | mm | |
| Work pressure : | psi | | bar | |
| Air line : | in | | mm | |
| Pipe size ID : | in | | mm | |
| Work pressure : | psi | | bar | |
| Oil line : | | | | |
| Pipe size ID : | in | | mm | |
| Work pressure : | psi | | bar | |
| Sea water to sprinkler : | | | | |
| Pipe size ID : | in | | mm | |
| Work pressure : | psi | | bar | |
| Sea water to burner head : | | | | |
| Pipe size ID : | in | | mm | |
| Work pressure : | psi | | bar | |
| Burner #2 | yes/no | | yes/no | |
| Gas line : | in | | mm | |
| Pipe size ID : | in | | mm | |
| Work pressure : | psi | | bar | |
| Air line : | in | | mm | |
| Pipe size ID : | in | | mm | |
| Work pressure : | psi | | bar | |
| Oil line : | | | | |
| Pipe size ID : | in | | mm | |
| Work pressure : | psi | | bar | |
| Sea water to sprinkler : | | | | |
| Pipe size ID : | in | | mm | |
| Work pressure : | psi | | bar | |
| Sea water to burner head : | | | | |
| Pipe size ID : | in | | mm | |
| Work pressure : | psi | | bar | |
| R.1.2 Valves | | | | |
| Quantity : | no. | | no. | |
| Dimension : | in | | mm | |
| Inner Diameter : | in | | mm | |
| Work Pressure : | psi | | bar | |
| H2S resistant : | yes/no | | yes/no | |
| R.1.3 Equipment | | | | |
| Well Test Stand Pipe #1 : | yes/no | | yes/no | |
| Pipe Size ID : | in | | mm | |
| Work Pressure : | psi | | bar | |
| H2S resistant : | yes/no | | yes/no | |
| Well Test Stand Pipe #2 : | yes/no | | yes/no | |
| Pipe Size ID : | in | | mm | |
| Work Pressure : | psi | | bar | |
| H2S resistant : | yes/no | | yes/no | |
| Crane ability to run all subsea equipment to capping operation : | yes/no | | yes/no | |
| AHC : | yes/no | | yes/no | |
| Capacity : | lt | | lt | |
| Cable length : | ft | | m | |
| Cooling system : | yes/no | | yes/no | |
| Simultaneous burning : | yes/no | | yes/no | |
| R.1.4 Offloading Station | yes/no | | yes/no | |
| Offloading Hose : | | | | |
| Hose diameter : | in | | mm | |
| Hose length : | ft | | m | |
| Flowrate capacity : | m3/h | | m3/h | |
| Oil discharge speed : | m/s | | m/s | |
| EQD electrical/control interface : | yes/no | | yes/no | |
| Quick coupling connection : | yes/no | | yes/no | |
| Valve breakaway : | yes/no | | yes/no | |

| | yes/no | | yes/no | | COMMENTS 2024 |
|---------------------------------------|--------|--|--------|--|---------------|
| Emergency disconnection : | | | | | |
| Winch for hose : | | | | | |
| Weight : | lb | | kg | | |
| Winch pull : | lt | | lt | | |
| Line speed : | ft/min | | m/s | | |
| Rope diameter : | in | | mm | | |
| Drum capacity : | lt | | lt | | |
| Brake rating : | gpm | | gpm | | |
| Operating pressure : | psi | | bar | | |
| Oil flow : | m3/h | | m3/h | | |
| Mooring chain : | yes/no | | yes/no | | |
| Remote control panel : | yes/no | | yes/no | | |
| R.1.5 Mooring System | | | | | |
| Storage reel capacity : | ft | | m | | |
| Quick release mooring hook capacity : | lt | | lt | | |
| Load monitoring : | yes/no | | yes/no | | |
| R.1.6 Extended Well Test Area | | | | | |
| Elevation : | ft | | m | | |
| Dimensions : | ft | | m | | |
| Deck load rating : | lb/ft2 | | kg/m2 | | |