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INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS  
**STANDARD FORMAT EQUIPMENT LIST**  
**SEMI-SUBMERSIBLE 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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- M3 Garbage Disposal/Grinder

Unit Name :

**A. UNIT SPECIFICATIONS**

Rig type :  
 Unit/Design/Shape :  
 Unit Flag :  
 Unit Classification :  
 IMO Certification : yes/no  
 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		
Displacement at loadline :	lt		
Draft at loadline (deepest) :	ft		
Overall length of unit (including anchor racks) :	ft		
Overall width of unit (including anchor racks) :	ft		
Main deck length	ft		
Main deck width	ft		
Main deck elevation above baseline :	ft		
Number of main columns/diameter :	no.x ft	x	
Number of small columns/diameter :	no.x ft	x	
Drilling draft/related displacement :	ft / lt	/	
Associated airgap :	ft		
Transit draft/related displacement	ft / lt	/	
Survival draft/related displacement :	ft / lt	/	
Associated airgap :	ft		
Moon pool dimensions :	ft x ft	x	
Maximum opening through spider deck :	ft		
Pontoon length :	ft		
Pontoon breadth :	ft		
Pontoon height :	ft		
Maximum Substructure/Rotary Load :	lbs/lbs	/	
Fuel Consumption (drilling) :	bbl / day		
Accommodation for max. no. of personnel :			

**A.2 STORAGE CAPACITIES**

Fuel :	bbl
Drilling water :	bbl
Potable water :	bbl
Active liquid mud :	bbl
Mud processing tank :	bbl
Reserve liquid mud :	bbl
Bulk bentonite/barite :	ft3
Bulk cement :	ft3
Sacks storage :	sacks

Unit Name :			
Pipe racks area :	ft2		
Load bearing capacity :	lb/ft2		
Riser racks area :	ft2		
Load bearing capacity :	lb/ft2		
Miscellaneous storage area :	ft2		
Brine storage :	bbl		
Heavy brine accepted (e.g. bromide) :	yes/no		
Base oil storage :	bbl		
Oil base mud storage :	bbl		
Ballast system (or preload) :	bbl		
<b>A.3 PROPULSION/THRUSTERS</b>			
<b>A.3.1 In-line Propulsion</b>			
	yes/no		
Shafts:	no.		
Motors per shaft :	no.		
Motors make/type :			
Total HP per shaft :	hp		
Propeller type (fixed / variable blade) :			
Nozzled :	yes/no		
<b>A.3.2 Thrusters</b>			
Quantity :	no.		
Fixed/azimuthing :			
Motors per thruster :	no.		
Make/type motors :			
Total HP per thruster :	hp		
Propeller type (fixed / variable blade) :			
Nozzled :	yes/no		
<b>A.3.3 Dynamic Positioning</b>			
Make/Model :			
Full DP or Mooring Assist :			
Position Reference :			
<b>A.4 OPERATIONAL CAPABILITIES</b>			
Maximum designed water depth capability :	ft		
Outfitted max. water depth capability :	ft		
Normal min. water depth capability :	ft		
Drilling depth capability (rated) :	ft		
Transit speed towed (historical avg) :	knots		
Transit speed self propelled (historical avg) :	knots		

Unit Name :			
<b>A.5 VARIABLE LOADING (VL)</b>			
Transit VL :	lt		
Drilling VL :	lt		
Survival VL :	lt		
<b>A.6 ENVIRONMENTAL LIMITS</b>			
<b>Drilling</b>			
Air gap (below main deck) :	ft		
Max. wave height :	ft		
Max. wave period :	sec		
Max. wind velocity :	knots		
Max. current velocity :	knots		
Max. heave (double amplitude) :	ft		
Max. pitch (double amplitude) :	degrees		
Max. roll (double amplitude) :	degrees		
<b>Survival</b>			
Air gap (below main deck) :	ft		
Max. wave height :	ft		
Max. wave period :	sec		
Max. wind velocity :	knots		
Max. current velocity :	knots		
Max. heave (double amplitude) :	ft		
Max. pitch (double amplitude) :	degrees		
Max. roll (double amplitude) :	degrees		
<b>Transit</b>			
Air gap (below main deck) :	ft		
Max. wave height :	ft		
Max. wave period :	sec		
Max. wind velocity :	knots		
Max. current velocity :	knots		
Max. heave (double amplitude) :	ft		
Max. pitch (double amplitude) :	degrees		
Max. roll (double amplitude) :	degrees		
<b>A.7 MOORING SYSTEM</b>			
<b>A.7.1 Anchor Winches</b>			
Quantity :	no.		
Make/Model :			
Type (electric/hydraulic/diesel) :			
Motors per winch :	no.		
Motor make/type :			
Total HP per winch :	hp		
Rated pull :	lt		
Speed low gear :	ft/min		
Test load :	lt		
Control locations (local/remote/both) :			
Emergency release (type/location) :			

<p>Unit Name :</p> <p><b>A.7.2 Fairleads</b></p> <p>Quantity : no.          Make :          Free rotating range : degrees</p> <p><b>A.7.3 Anchors</b></p> <p><b>A.7.3.1 Anchors - Primary</b></p> <p>Quantity : no.          Make :          Type :          Weight : lt</p> <p><b>A.7.3.2 Anchors - Spare</b></p> <p>Quantity : no.          Make :          Type :          Weight : lt</p> <p><b>A.7.4 Anchors Lines</b></p> <p><b>Wire</b>          Quantity (installed / spare) : no. /          Make/Type :          Specification:          Diameter : in          Weight per unit length : lbs/ft          Useful length (nominal) : ft          Classification :          Breaking strength : lt</p> <p><b>Chain</b>          Quantity (installed / spare): no. /          Make/Type :          Specification :          Diameter : in          Weight per unit length : lbs/ft          Useful length (nominal) : ft          Classification :          Breaking strength : lt</p> <p><b>A.7.5 Anchors Line Running &amp; Retrieval System</b>          Primary type (pennant-buoy or chaser) :</p>			
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<p>Unit Name :</p> <p><b>A.7.5.1 Pennant Lines</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Length : ft</p> <p>Diameter : in</p> <p><b>A.7.5.2 Anchor Buoys</b></p> <p>Quantity : no.</p> <p>Volume each : ft3</p> <p>Type :</p> <p>Foam filled : yes/no</p> <p><b>A.7.5.3 Chaser</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p><b>A.7.6 Towing Gear</b></p> <p>Towing bridle size : in</p> <p>Hook-up system :</p> <p>Rating : lt</p> <p>Power required for infield tow : bollard pull lt</p> <p>Power required for ocean tow : bollard pull lt</p> <p>Spare bridle : yes/no</p> <p><b>A.7.7 Supply Vessel Mooring Lines</b></p> <p>Locations (port/stbd/both) :</p> <p>System :</p> <p>Rating : lt</p> <p><b>A.8 MARINE LOADING HOSES</b></p> <p>Locations of loading manifolds (port/stbd/both) :</p> <p><b>A.8.1 Potable Water Hose</b></p> <p>Quantity : no.</p> <p>Size : in</p> <p>Make/Type :</p> <p>Color coding : yes/no</p> <p>Make/Type connection :</p>			
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<p>Unit Name :</p> <p><b>A.8.2 Drilling Water Hose</b></p> <p>Quantity : no.          Size : in          Make/Type :          Color coding : yes/no          Make/Type connection :</p> <p><b>A.8.3 Gas Oil Hose</b></p> <p>Quantity : no.          Size : in          Make/Type :          Color coding : yes/no          Make/Type connection :</p> <p><b>A.8.4 Mud Chemical Hose</b></p> <p>Quantity : no.          Size : in          Make/Type :          Color coding : yes/no          Make/Type connection :</p> <p><b>A.8.5 Cement Hose</b></p> <p>Quantity : no.          Size : in          Make/Type :          Color coding : yes/no          Make/Type connection :</p> <p><b>A.8.6 Base Oil Hose</b></p> <p>Quantity : no.          Size : in          Make/Type :          Color coding : yes/no          Make/Type connection :</p> <p><b>A.8.7 Brine Hose</b></p> <p>Quantity : no.          Size : in          Make/Type :          Color coding : yes/no          Make/Type connection :</p>			
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Unit Name :			
<b>A.9 CRANES, HOISTS, AND MATERIALS HANDLING</b>			
<b>A.9.1 Cranes, Revolving, Main</b>			
Quantity :	no.		
Specification (API, etc.)			
Make :			
Type :			
Location (stbd, port, aft, frwd) :			
Boom length :	ft		
Hook reach below main deck (block/whip) :	ft/ft	/	
Block capacities and hoisting speeds			
Load/radius/speed (minimum radius) :	lt/ft/(ft/sec)	/	/
Load/radius/speed (maximum radius) :	lt/ft/(ft/sec)	/	/
Whip capacity/hoist speed (ld/rad./spd) :	lt/ft/(ft/sec)	/	/
Hook load indicator automatically corrected for boom angle :	yes/no		
Alarm (audible, visual, both) :			
Automatic brake :	yes/no		
Safety latch on hooks :	yes/no		
Crown saver (limit switch) :	yes/no		
Boom illumination :	yes/no		
Baskets for personnel transfer:	no.		
<b>A.9.2 Cranes, Revolving, Secondary</b>			
Quantity :	no.		
Specification (API, etc.)			
Make :			
Type :			
Location (stbd, port, aft, frwd) :			
Boom length :	ft		
Hook reach below main deck (block/whip) :	ft/ft	/	
Block capacities and hoisting speeds			
Load/radius/speed (minimum radius) :	lt/ft/(ft/sec)	/	/
Load/radius/speed (maximum radius) :	lt/ft/(ft/sec)	/	/
Whip capacity/hoist speed (ld/rad./spd) :	lt/ft/(ft/sec)	/	/
Hook load indicator automatically corrected for boom angle :	yes/no		
Alarm (audible, visual, both) :			
Automatic brake :	yes/no		
Safety latch on hooks :	yes/no		
Crown saver (limit switch) :	yes/no		
Boom illumination :	yes/no		
Baskets for personnel transfer:	no.		
<b>A.9.3 Forklifts</b>			
Quantity :	no.		
Make/Type :			
Rated capacity :	lt		
Explosion proof :	yes/no		

<p>Unit Name :</p> <p><b>A.9.4 Monorail Overhead Cranes</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Rated capacity : lt</p> <p>Location :</p> <p><b>A.9.5 BOP Handling System</b></p> <p>Make/Type :</p> <p>Rated capacity : lt</p> <p><b>A.9.6 Air Hoists/Derrick Winches</b></p> <p><b>A.9.6.1 Rig Floor Winches (Non man-riding)</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Rated capacity : lt</p> <p>Wire diameter : in</p> <p>Automatic brakes : yes/no</p> <p>Overload protection : yes/no</p> <p>Automatic spooling : yes/no</p> <p><b>A.9.6.2 Monkey Board Work Winch</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Rated capacity : lt</p> <p>Wire diameter : in</p> <p>Automatic brakes : yes/no</p> <p>Overload protection : yes/no</p> <p><b>A.9.6.3 Rig Floor "Man-Riding" Winch</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Rated capacity : lt</p> <p>Wire diameter : in</p> <p>Non-twist wire : yes/no</p> <p>Automatic brakes : yes/no</p> <p>Overload protection : yes/no</p> <p>Automatic spooling : yes/no</p> <p>Certified for man-riding : yes/no</p>			
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<p>Unit Name :</p> <p><b>A.9.6.4 Utility Winch (i.e. Deck Winch)</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Rated capacity : lt</p> <p>Wire diameter : in</p> <p>Automatic brakes : yes/no</p> <p>Overload protection : yes/no</p> <p>Automatic spooling : yes/no</p> <p>Certified for man-riding : yes/no</p> <p><b>A.9.6.5 Cellar Deck Winch</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Rated capacity : lt</p> <p>Wire diameter : in</p> <p>Automatic brakes : yes/no</p> <p>Overload protection : yes/no</p> <p>Automatic spooling : yes/no</p> <p>Certified for man-riding : yes/no</p> <p><b>A.10 HELICOPTER LANDING DECK</b></p> <p>Location :</p> <p>Dimensions : ft x ft x</p> <p>Perimeter safety net : yes/no</p> <p>Load capacity : lt</p> <p>Designed for helicopter type :</p> <p>Tie down points : yes/no</p> <p>Covered by foam fire system : yes/no</p> <p>Heli-refueling system type :</p> <p>Fuel storage capacity: U.S. gals</p> <p>Helideck lighting to aviation specification as required by country of operation: yes/no</p> <p><b>A.10.1 Helicopter Refueling System</b></p> <p>Fuel storage capacity : U.S. gals</p> <p>Jettisonable : yes/no</p> <p>Fuel transport containers : qty</p> <p>Volume (ea) : U.S. gals</p> <p>Covered by foam fire system : yes/no</p>			
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<p>Unit Name :</p> <p><b>A.11 AUXILIARY EQUIPMENT</b></p> <p><b>A.11.1 Water Distillation</b></p> <p>Quantity : no.          Make/Type :          Capacity (each/total) : ft3/day /</p> <p><b>A.11.2 Boilers</b></p> <p>Quantity : no.          Make/Type :          Capacity (total system) : lbs/hr</p> <p><b>A.11.3 Air Conditioning</b></p> <p>Quantity : no.          Make/Type :          Capacity (total system) : tons</p> <p><b>A.11.4 Electric Welding Sets</b></p> <p>Quantity : no.          Current capacity : amp          Make/Model :          Type : fixed/portable</p> <p>Quantity : no.          Current capacity : amp          Make/Model :          Type : fixed/portable</p> <p>Quantity : no.          Current capacity : amp          Make/Model :          Type : fixed/portable</p> <p><b>A.11.5 High Pressure Cleaner</b></p> <p>Quantity : no.          Make/Type :          Electric/pneumatic/diesel :          Max delivered pressure : psi</p> <p>Quantity : no.          Make/Type :          Electric/pneumatic/diesel :          Max delivered pressure : psi</p>			
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Unit Name :			
<b>B. GENERAL RIG SPECIFICATIONS</b>			
<b>B.1 DERRICK AND SUBSTRUCTURE</b>			
<b>B.1.1 Derrick/Mast</b>			
Make/Type :			
Rated for wind speed			
With full set back :	knots		
With no set back :	knots		
Height :	ft		
Dimensions of base :	ft x ft	x	
Dimensions of crown :	ft x ft	x	
Gross nominal capacity :	lt		
Maximum number of lines :	no.		
Ladders with safety cages and rests :	yes/no		
Platform for crown sheave access :	yes/no		
Counter balance, system for rig tongs and pipe spinning tong :	yes/no		
Lighting system explosion proof :	yes/no		
<b>B.1.2 Racking Platform</b>			
Make/Type :			
Racking platform capacity of 5" DP :	ft		
Racking platform capacity of 8" DC :	no.		
Racking platform capacity of 9" DC :	no.		
<b>B.1.3 Racking Arm</b>			
Make/Type :			
<b>B.1.4 Casing Stabbing Board</b>			
Make/Type :			
Adjustable from/to height above rotary :	ft/ft	/	
<b>B.1.5 Substructure</b>			
Make/Type :			
Height (above main deck) :	ft		
Length :	ft		
Width :	ft		
Setback capacity :	lt		
Simultaneous setback + hookload capacity :	lt + lt	+	
Clear height below R/table beams :	ft		
<b>B.1.6 Weather Proofing</b>			
Rig floor windbreaks height :	ft		
Derrickman windbreaks height :	ft		

<p><b>Unit Name :</b></p> <p><b>B.1.7 Derrick TV Camera System</b></p> <p>Camera located at :                  Make/Type :                  Zoom/Pan/Tilt-function :      yes/no                  Monitor located at :</p> <p><b>B.2 DRAWWORKS AND ASSOCIATED EQUIPMENT</b></p> <p><b>B.2.1 Drawworks</b></p> <p>Make/Type :                  Motors make/type :                      Quantity :      no.                  Rated input power continuous :      hp                  Rated output power continuous :      hp                  Rated input power maximum :      hp                  Rated output power maximum :      hp                  Drum type :                  Drum diameter :      in                  Wire diameter :      in                  Maximum line pull 12 lines :      lt                  Maximum line pull 10 lines :      lt                  Maximum line pull 8 lines :      lt                  Spinning cathead type :                  Breakout cathead type :                  Crown block safety device make/type :                  Independent fresh water cooling system for drawworks and electric brake :      yes/no</p> <p><b>B.2.2 Auxiliary Brake</b></p> <p>Make :                  Model :                  Independent back-up system type :</p> <p><b>B.2.3 Sandline</b></p> <p>Make :                  Length capacity :      ft                  Line size/type :      in                  Breaking strength :      lt                  Safe working load :      lt</p> <p><b>B.2.4 Wireline</b></p> <p>Make :                  Length capacity :      ft                  Line size/type :      in                  Breaking strength :      lt                  Safe working load :      lt</p>			
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Unit Name :			
<b>B.2.5 Automatic Driller</b>			
Make/Type :			
<b>B.3 DERRICK HOISTING EQUIPMENT</b>			
<b>B.3.1 Crown Block</b>			
Make/Type :			
Rated capacity :	It		
No. of sheaves :	no.		
Sheaves diameter :	in		
Sheave grooved for line size:	in		
<b>B.3.2 Travel Block</b>			
Make/Type :			
Rated capacity :	It		
No. of sheaves :	no.		
Sheaves diameter :	in		
Sheave grooved for line size:	in		
<b>B.3.3 Hook</b>			
Make/Type :			
Rated capacity :	It		
Complete with spring assembly/hook locking device :	yes/no		
<b>B.3.4 Swivel</b>			
Make/Type :			
Rated capacity :	It		
Test /working pressure :	psi/psi	/	
Gooseneck and washpipe minimum ID >= 76mm :	yes/no		
Left hand pin connection size :	in		
Access fitting for wireline entry on top of gooseneck :	yes/no		
<b>B.3.5 Drilling Line</b>			
Diameter :	in		
Type :			
Length (original) :	ft.		
Support frame for drum/cover :	yes/no		
Drilling line drum power driven :	yes/no		
Spare reel drilling line :	yes/no		
Location (rig, shore, etc.) :			



<p>Unit Name :</p> <p><b>B.3.6 Anchor Dead Line</b></p> <p>Make/Type :</p> <p>Weight sensor : yes/no</p> <p><b>B.3.7 Drilling String Motion Compensator</b></p> <p>Make/Type :</p> <p>Stroke : ft</p> <p>Capacity - compensated : lt</p> <p>Capacity - locked : lt</p> <p><b>B.3.8 Block Guidance System</b></p> <p>Make/Type :</p> <p><b>B.3.9 Retraction System For Traveling Block</b></p> <p>Make/Type :</p> <p><b>B.4 ROTATING SYSTEM</b></p> <p><b>B.4.1 Rotary Table</b></p> <p>Make/Type :</p> <p>Maximum opening : in</p> <p>Rated capacity : lt</p> <p>Static load capacity : lt</p> <p>Rotating load capacity : lt @ rpm @</p> <p>Two speed gearbox : yes/no</p> <p>Emergency chain drive : yes/no</p> <p>Driven by an independent electric motor : yes/no</p> <p>Electric motor type/make :</p> <p>Output power : hp</p> <p>Maximum continuous torque : ft lbs</p> <p>Drip pan/mud collection system : yes/no</p> <p><b>B.4.2 Master Bushings</b></p> <p>Make/Type :</p> <p>Insert bowls (see G.1.7) : in</p> <p><b>B.4.3 Kelly Bushing</b></p> <p>Make/Type :</p> <p>Lock down assembly : yes/no</p>			
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Unit Name :

**B.4.4 Top Drive**

Make :

Type (electric/hydraulic) :

Rated capacity : lb

Test/working pressure : psi/psi

If driven by electric motor

Make/Type :

Output power : hp

Maximum continuous torque : ft lbs

Two speed gearbox : yes/no

Maximum rotary speed : rpm

Remote operated kelly cock : yes/no

Cooling system type :

**B.4.4.1 Top Drive Makeout/Breakout System**

Make :

Model :

Type :

Max. breakout torque that  
can be applied by system : ft lbs

Unit Name :			
<b>C. POWER SUPPLY SYSTEMS</b>			
<b>C.1 RIG POWER PLANT</b>			
<b>C.1.1 Diesel Engines</b>			
Quantity :	no.		
Make/Type :			
Maximum continuous power :	hp		
At rotation speed of :	rpm		
Equipped with spark arrestors :	yes/no		
Mufflers installed :	yes/no		
Quantity :	no.		
Make/Type :			
Maximum continuous power :	hp		
At rotation speed of:	rpm		
Equipped with spark arrestors:	yes/no		
Mufflers installed:	yes/no		
Total fuel consumption, drilling (average) :	bbl/day		
<b>C.1.2 DC - Generator</b>			
Quantity :	no.		
Make/Type :			
Continuous power :	kw		
At rotation speed of :	rpm		
Output volts :	volts		
<b>C.1.3 AC - Generator</b>			
Quantity :	no.		
Make/Type :			
Continuous power :	kw		
At rotation speed of :	rpm		
Output volts :	volts		
Quantity :	no.		
Make/Type :			
Continuous power :	kw		
At rotation speed of :	rpm		
Output volts :	volts		
<b>C.1.4 SCR System</b>			
Number of SCR :	no.		
Make/Type :			
Maximum continuous power (total) :	kw		
Output volts :	volts		

<p>Unit Name :</p> <p><b>C.1.5 Transformer System</b></p> <p>Quantity : no.          Make/Type :          Continuous power (each) : kva          Output volts : volts          Frequency : Hz</p> <p>Quantity : no.          Make/Type :          Continuous power (each) : kva          Output volts : volts          Frequency : Hz</p> <p><b>C.1.6 Emergency Shutdown</b></p> <p>Emergency shutdown switches for the complete power system (AC and DC), located at the following points :</p> <p><b>C.1.7 Auxilliary Power Supply</b></p> <p>Power supply for a mud logging unit : yes/no          Power supply available          Output volts : volts          Frequency : Hz          Current : amps          Phase : single/three</p> <p><b>C.1.8 Compressed Air Systems</b></p> <p>Air Compressors - High Pressure :</p> <p>Quantity : no.          Make :          Model :          Rated capacity : ft3/hr          Working press : psi          Prime mover (electric/diesel) :          Continuous power : hp</p> <p>Air dryers :          Quantity : no.          Make/Type :          Rated capacity: ft3/min</p> <p>Air Compressors - Medium Pressure (rig air) :          Quantity : no.          Make :          Model :          Rated capacity : ft3/hr          Working press : psi</p>			
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<p>Unit Name :</p> <p>Prime mover (electric/diesel) :          Continuous power : hp</p> <p>Air dryers          Quantity : no.          Make/Type :          Rated capacity : ft3/min</p> <p>Air Compressors - Low Pressure (bulk air)          Quantity : no.          Make :          Model :          Rated capacity : ft3/hr          Working press : psi          Prime mover (electric/diesel) :          Continuous power : hp</p> <p>Air dryers          Quantity : no.          Make/Type :          Rated capacity : ft3/min</p>			
<p><b>C.2 EMERGENCY GENERATOR</b></p>			
<p><b>C.2.1 Engine</b></p>			
<p>Quantity : no.          Make/Type :          Maximum output : kw          At rotation speed : rpm          Starting methods (automatic, manual, air/hydraulic) :          Max. angle of operation : degrees</p>			
<p><b>C.2.2 AC - Generator</b></p>			
<p>Quantity : no.          Make/Type :          Maximum output : kw          At rotation speed : rpm          Output volts : volts          Capable of back-feeding power to main bus : yes/no</p>			

<p>Unit Name :</p> <p><b>D. DRILLSTRING EQUIPMENT</b></p> <p><b>D.1 TUBULARS</b></p> <p><b>D.1.1 Kellys</b></p> <p>Quantity : no.  Nominal size OD : in  Shape type (hexagonal, square, triangular) :  Total/working length : ft  Connection type :  API classification :</p> <p><b>D.1.2 Kelly Saver Subs</b></p> <p>Quantity : no.  Nominal kelly size : in  Connection type :  API classificaton :  Protector : yes/no</p> <p><b>D.1.3 Drill Pipe</b></p> <p>Drill pipe OD : in  Grade :  Total length : ft  Range :  Weight: lbs/ft  Internally plastic coated : yes/no  Tool joint OD/ID : in/in /  Tool joint pin length (original) : in  Tapered shoulder tool joints (box/pins) :degree/degree /</p> <p>Connection type :  Type of hardfacing :  API classification :  Thread protectors : yes/no</p> <p>Drill pipe OD : in  Grade :  Total length : ft  Range :  Weight: lbs/ft  Internally plastic coated : yes/no  Tool joint OD/ID : in/in /  Tool joint pin length (original) : in  Tapered shoulder tool joints (box/pins) :degree/degree /</p> <p>Connection type :  Type of hardfacing :  API classification :  Thread protectors : yes/no</p>			
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Unit Name :			
Drill pipe OD :	in		
Grade :			
Total length :	ft		
Range :			
Weight:	lbs/ft		
Internally plastic coated :	yes/no		
Tool joint OD/ID :	in/in	/	
Tool joint pin length (original) :	in		
Tapered shoulder tool joints (box/pins) :	degree/degree	/	
Connection type :			
Type of hardfacing :			
API classification :			
Thread protectors :	yes/no		
<b>D.1.4 Drill Pipe Pup Joints</b>			
Tool joint OD/ID :	in/in	/	
Grade :			
Length :	ft		
Quantity :	no.		
Length :	ft		
Quantity :	no.		
Length :	ft		
Quantity :	no.		
Weight:	lbs/ft		
Connection type :			
Internally plastic coated :	yes/no		
Thread protectors :	yes/no		
Tool joint OD/ID :	in/in	/	
Grade :			
Length :	ft		
Quantity :	no.		
Length :	ft		
Quantity :	no.		
Length :	ft		
Quantity :	no.		
Weight:	lbs/ft		
Connection type :			
Internally plastic coated :	yes/no		
Thread protectors :	yes/no		
Tool joint OD/ID :	in/in	/	
Grade :			
Length :	ft		
Quantity :	no.		
Length :	ft		
Quantity :	no.		
Length :	ft		
Quantity :	no.		
Weight:	lbs/ft		
Connection type :			
Internally plastic coated :	yes/no		
Thread protectors :	yes/no		

<p>Unit Name :</p> <p><b>D.1.5 Drill Pipe Casing Protectors</b></p> <p>Initial stock : no.</p> <p>Make/Type :</p> <p>OD : in</p> <p>Installation tools (manual/hydraulic/none) :</p> <p><b>D.1.6 Heavy Weight Drill Pipe</b> (e.g. Hevi-Wate)</p> <p>Quantity : no.</p> <p>Nominal size OD : in</p> <p>Weight : lbs/ft</p> <p>Range :</p> <p>Tool joint OD : in</p> <p>Tool joint ID : in</p> <p>Type of hardfacing :</p> <p>Internally plastic coated : yes/no</p> <p>Connection type :</p> <p>Thread protectors : yes/no</p> <p><b>D.1.7 Drill Collars</b></p> <p>Quantity : no.</p> <p>OD Body : in</p> <p>ID Body : in</p> <p>Nominal length of each joint : ft</p> <p>Drill collar body (slick/spiral) :</p> <p>Recess for "zip" elevator : yes/no</p> <p>Recess for slips : yes/no</p> <p>Stress relief pin groove : yes/no</p> <p>Boreback on box : yes/no</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>OD body : in</p> <p>ID body : in</p> <p>Nominal length of each joint : ft</p> <p>Drill collar body (slick/spiral) :</p> <p>Recess for "zip" elevator : yes/no</p> <p>Recess for slips : yes/no</p> <p>Stress relief pin groove : yes/no</p> <p>Boreback on box : yes/no</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>OD body : in</p> <p>ID body : in</p> <p>Nominal length of each joint : ft</p> <p>Drill collar body (slick/spiral) :</p> <p>Recess for "zip" elevator : yes/no</p>			
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<p>Unit Name :</p> <p>Recess for slips :                                      yes/no</p> <p>Stress relief pin groove :                              yes/no</p> <p>Boreback on box :                                      yes/no</p> <p>Connection type :</p> <p>Quantity :    no.</p> <p>OD body :    in</p> <p>ID body :    in</p> <p>Nominal length of each joint :                              ft</p> <p>Drill collar body (slick/spiral) :</p> <p>Recess for "zip" elevator :                              yes/no</p> <p>Recess for slips :    yes/no</p> <p>Stress relief pin groove :                              yes/no</p> <p>Boreback on box :                                      yes/no</p> <p>Connection type :</p>			
<p><b>D.1.8    Short Drill Collars</b></p> <p>Quantity :    no.</p> <p>OD body :    in</p> <p>ID body :    in</p> <p>Nominal length of each joint :                              ft</p> <p>Stress relief pin groove :                              yes/no</p> <p>Boreback on box :                                      yes/no</p> <p>Connection type :</p>			
<p>Quantity :    no.</p> <p>OD body :    in</p> <p>ID body :    in</p> <p>Nominal length of each joint :                              ft</p> <p>Stress relief pin groove :                              yes/no</p> <p>Boreback on box :                                      yes/no</p> <p>Connection type :</p>			
<p>Quantity :    no.</p> <p>OD body :    in</p> <p>ID body :    in</p> <p>Nominal length of each joint :                              ft</p> <p>Stress relief pin groove :                              yes/no</p> <p>Boreback on box :                                      yes/no</p> <p>Connection type :</p>			
<p>Quantity :    no.</p> <p>OD body :    in</p> <p>ID body :    in</p> <p>Nominal length of each joint :                              ft</p> <p>Stress relief pin groove :                              yes/no</p> <p>Boreback on box :                                      yes/no</p> <p>Connection type :</p>			

<p>Unit Name :</p> <p><b>D.1.9 Non-Magnetic Drill Colars</b></p> <p>Quantity : no.          OD body : in          ID body : in          Nominal length of each joint : ft          Drill collar body (slick /spiral) :          Recess for "zip" elevator : yes/no          Recess for slips : yes/no          Stress relief pin groove : yes/no          Boreback on box : yes/no          Connection type :</p> <p><b>D.1.10 Core Barrels</b></p> <p>Quantity : no.          Make :          Model :          Size OD x ID : in x in x          Length : ft          Top connection type :          Spiral stabilizing ribs : yes/no          Subs and handling tools : yes/no</p> <p><b>D.1.11 Stabilizers</b></p> <p>Hole size : in          Quantity : no.          Make :          OD blades : in          Type blades(straight/spiral/welded/integral/sleeve) :          Type of blade hardfacing :          OD body or fishing neck : in          ID body : in          Connection type :          Float valve receptacle : yes/no</p> <p>Hole size : in          Quantity : no.          Make :          OD blades : in          Type blades(straight/spiral/welded/integral/sleeve) :          Type of blade hardfacing :          OD body or fishing neck : in          ID body : in          Connection type :          Float valve receptacle : yes/no</p>			
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<p>Unit Name :</p> <p>Hole size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>OD blades : in</p> <p>Type blades (straight/spiral/welded/integral/sleeve) :</p> <p>Type of blade hardfacing :</p> <p>OD body or fishing neck : in</p> <p>ID body : in</p> <p>Connection type :</p> <p>Float valve receptacle : yes/no</p> <p>Hole size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>OD blades : in</p> <p>Type blades (straight/spiral/welded/integral/sleeve) :</p> <p>Type of blade hardfacing :</p> <p>OD body or fishing neck : in</p> <p>ID body : in</p> <p>Connection type :</p> <p>Float valve receptacle : yes/no</p> <p><b>D.1.12 Roller Reamers</b></p> <p>Hole size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>OD body : in</p> <p>ID body : in</p> <p>OD fishing neck : in</p> <p>Cutters, supplied sets : no.</p> <p>    Cutters, type :</p> <p>Connection, type :</p> <p>Hole size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>OD body : in</p> <p>ID body : in</p> <p>OD fishing neck : in</p> <p>Cutters, supplied sets : no.</p> <p>    Cutters, type :</p> <p>Connection, type :</p> <p>Hole size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>OD body : in</p> <p>ID body : in</p> <p>OD fishing neck : in</p> <p>Cutters, supplied sets : no.</p> <p>    Cutters, type :</p> <p>Connection, type :</p>			
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<p>Unit Name :</p> <p><b>D.1.13 Shock Absorbers (Damping Sub)</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>ID body : in</p> <p>OD fishing neck : in</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>ID body : in</p> <p>OD fishing neck : in</p> <p>Connection type :</p> <p><b>D.1.14 Drilling Jars</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type (mechanical/hydraulic; up/down) :</p> <p>OD body : in</p> <p>Min. ID body : in</p> <p>OD fishing neck : in</p> <p>Stroke : in</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>Make :</p> <p>Type (mechanical/hydraulic; up/down) :</p> <p>OD body : in</p> <p>Min. ID body : in</p> <p>OD fishing neck : in</p> <p>Stroke : in</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>Make :</p> <p>Type (mechanical/hydraulic; up/down) :</p> <p>OD body : in</p> <p>Min. ID body : in</p> <p>OD fishing neck : in</p> <p>Stroke : in</p> <p>Connection type :</p> <p><b>D.1.15 Inside BOP Valve</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>OD : in</p> <p>Min. drill pipe ID required: in</p> <p>Connection type :</p> <p>Working pressure rating : psi</p>			
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<p>Unit Name :</p> <p>Quantity : no.</p> <p>Make :</p> <p>OD : in</p> <p>Min. drill pipe ID required: in</p> <p>Connection type :</p> <p>Working pressure rating : psi</p> <p><b>D.1.16 Fast Shut-Off Coupling</b></p> <p>Make/Type :</p> <p>Quantity : no.</p> <p>Size tool joint to fit : in</p> <p><b>D.1.17 Circulation Head</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>Valve make :</p> <p>Valve type :</p> <p>Valve size (ID) : in</p> <p>Valve working pressure : psi</p> <p>Bottom connection type :</p> <p>Top connection type :</p> <p>Wireline stripper : yes/no</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>Valve make :</p> <p>Valve type :</p> <p>Valve size (ID) : in</p> <p>Valve working pressure : psi</p> <p>Bottom connection type :</p> <p>Top connection type :</p> <p>Wireline stripper : yes/no</p> <p><b>D.1.18 Kelly Cocks</b></p> <p>Upper :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>Working pressure : psi</p> <p>Max. OD body : in</p> <p>Min. ID body : in</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>Working pressure : psi</p> <p>Max. OD body : in</p> <p>Min. ID body : in</p> <p>Connection type :</p>			
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Unit Name :			
Lower			
Quantity :	no.		
Make/Type :			
Working pressure :	psi		
Max. OD body :	in		
Min. ID body :	in		
Connection type :			
Quantity :	no.		
Make/Type :			
Working pressure :	psi		
Max. OD body :	in		
Min. ID body :	in		
Connection type :			
<b>D.1.19 Circulation Subs</b>			
Quantity :	no.		
Make/Type :			
OD Body :	in		
Ball size :	in		
Dressing kits :	no.		
Connection type :			
Quantity :	no.		
Make/Type :			
OD body :	in		
Ball size :	in		
Dressing kits :	no.		
Connection type :			
<b>D.1.20 Cup Type Testers</b>			
Quantity :	no.		
Make :			
Size test cup for casing weight :	in-lb/ft	-	
Size test cup for casing weight :	in-lb/ft	-	
Size test cup for casing weight :	in-lb/ft	-	
Connection :			
Quantity :	no.		
Make :			
Size test cup for casing weight :	in-lb/ft	-	
Size test cup for casing weight :	in-lb/ft	-	
Size test cup for casing weight :	in-lb/ft	-	
Connection :			
Quantity :	no.		
Make :			
Size test cup for casing weight :	in-lb/ft	-	
Size test cup for casing weight :	in-lb/ft	-	
Size test cup for casing weight :	in-lb/ft	-	
Connection :			

Unit Name :			
<b>D.1.21 Plug Type Testers</b>			
Quantity :	no.		
Make :			
Size test plugs :	in		
Connection :			
Quantity :	no.		
Make :			
Size test plugs :	in		
Connection :			
Quantity :	no.		
Make :			
Size test plugs :	in		
Connection :			
<b>D.1.22 Drop-In Valves</b>			
Quantity :	no.		
For nom. OD drillpipe :	in		
Make/Type :			
Max. OD of dart. :	in		
Quantity :	no.		
For nom. OD drillpipe :	in		
Make/Type :			
Max. OD of dart. :	in		
<b>D.1.23 Bit Subs (Box-Box)</b>			
Quantity :	no.		
OD size :	in		
ID size :	in		
Top connection :			
Bottom connection :			
Bored for float valve :	yes/no		
Float size :	in		
Quantity :	no.		
OD size :	in		
ID size :	in		
Top connection :			
Bottom connection :			
Bored for float valve :	ves/no		
Float size :	in		
Quantity :	no.		
OD size :	in		
ID size :	in		
Top connection :			
Bottom connection :			
Bored for float valve :	yes/no		
Float size :	in		

Unit Name :			
Quantity :	no.		
OD size :	in		
ID size :	in		
Top connection :			
Bottom connection :			
Bored for float valve :	yes/no		
Float size :	in		
Quantity :	no.		
OD size :	in		
ID size :	in		
Top connection :			
Bottom connection :			
Bored for float valve :	yes/no		
Float size :	in		
Quantity :	no.		
OD size :	in		
ID size :	in		
Top connection :			
Bottom connection :			
Bored for float valve :	yes/no		
Float size :	in		
<b>D.1.24 Crossover Subs</b>			
Quantity :	no.		
OD size (max/min) :	in/in	/	
ID size :	in		
Top connection size :			
Type (pin/box) :			
Bottom connection size :			
Type (pin/box) :			
Quantity :	no.		
OD size (max/min) :	in/in	/	
ID size :	in		
Top connection size :			
Type (pin/box) :			
Bottom connection size :			
Type (pin/box) :			
Quantity :	no.		
OD size (max/min) :	in/in	/	
ID size :	in		
Top connection size :			
Type (pin/box) :			
Bottom connection size :			
Type (pin/box) :			



Unit Name :			
Quantity :	no.		
OD size (max/min) :	in/in	/	
ID size :	in		
Top connection size :			
Type (pin/box) :			
Bottom connection size :			
Type (pin/box) :			
Quantity :	no.		
OD size (max/min) :	in/in	/	
ID size :	in		
Top connection size :			
Type (pin/box) :			
Bottom connection size :			
Type (pin/box) :			
Quantity :	no.		
OD size (max/min) :	in/in	/	
ID size :	in		
Top connection size :			
Type (pin/box) :			
Bottom connection size :			
Type (pin/box) :			
Quantity :	no.		
OD size (max/min) :	in/in	/	
ID size :	in		
Top connection size :			
Type (pin/box) :			
Bottom connection size :			
Type (pin/box) :			
Quantity :	no.		
OD size (max/min) :	in/in	/	
ID size :	in		
Top connection size :			
Type (pin/box) :			
Bottom connection size :			
Type (pin/box) :			
Quantity :	no.		
OD size (max/min) :	in/in	/	
ID size :	in		
Top connection size :			
Type (pin/box) :			
Bottom connection size :			
Type (pin/box) :			

<p>Unit Name :</p> <p>Quantity : no.  OD size (max/min) : in/in /  ID size : in  Top connection size :  Type (pin/box) :  Bottom connection size :  Type (pin/box) :</p> <p>Quantity : no.  OD size (max/min) : in/in /  ID size : in  Top connection size :  Type (pin/box) :  Bottom connection size :  Type (pin/box) :</p> <p>Quantity : no.  OD size (max/min) : in/in /  ID size : in  Top connection size :  Type (pin/box) :  Bottom connection size :  Type (pin/box) :</p>			
<p><b>D.1.25 Drilling Bumper Subs</b></p> <p>Quantity : no.  Make :  OD : in  Stroke : in  Connection type :</p> <p>Quantity : no.  Make :  OD : in  Stroke : in  Connection type :</p>			
<p><b>D.1.26 Hole Openers</b></p> <p>Quantity : no.  Make :  OD : in  Connection type :</p> <p>Quantity : no.  Make :  OD : in  Connection type :</p>			

<p>Unit Name :</p> <p><b>D.1.27 Underreamer</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD Min/OD Max : in/in /</p> <p>Connection type :</p> <p><b>D.2 HANDLING TOOLS</b></p> <p><b>D.2.1 Drill Pipe Elevators</b></p> <p>Size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>Model :</p> <p>Rated capacity : st</p> <p>Size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>Model :</p> <p>Rated capacity : st</p> <p>Size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>Model :</p> <p>Rated capacity : st</p> <p><b>D.2.2 Drill Collar Elevators</b></p> <p>Size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>Model :</p> <p>Rated capacity : st</p> <p>Size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>Model :</p> <p>Rated capacity : st</p> <p>Size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>Model :</p> <p>Rated capacity : st</p> <p>Size : in</p> <p>Quantity : no.</p> <p>Make :</p> <p>Model :</p> <p>Rated capacity : st</p>			
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Unit Name :			
<b>D.2.3 Tubing Elevators</b>			
Size (max/min) :	in/in	/	
Quantity :	no.		
Make :			
Model :			
Rated capacity :	st		
Size (max/min) :	in/in	/	
Quantity :	no.		
Make :			
Model :			
Rated capacity :	st		
<b>D.2.4 Drill Pipe Hand Slips</b>			
Size :	in		
Quantity :	no.		
Make/Type :			
Size :	in		
Quantity :	no.		
Make/Type :			
<b>D.2.5 Semi-Automatic DP Slips</b>			
Size range (largest/smallest):	in/in	/	
Quantity :	no.		
Make/Type :			
<b>D.2.6 Drill Collar Slips</b>			
Size :	in		
Quantity :	no.		
Make/Type :			
Size :	in		
Quantity :	no.		
Make/Type :			
Size :	in		
Quantity :	no.		
Make/Type :			
Size :	in		
Quantity :	no.		
Make/Type :			

Unit Name :			
<b>D.2.7 Drill Collar Safety Clamps</b>			
Quantity :	no.		
Range :	in-in	-	
Quantity :	no.		
Range :	in-in	-	
Quantity :	no.		
Range :	in-in	-	
Quantity :	no.		
Range :	in-in	-	
<b>D.2.8 Tubing Slips</b>			
Size :	in		
Quantity :	no.		
Make/type :			
Size :	in		
Quantity :	no.		
Make/type :			
<b>D.2.9 Tubing Spider</b>			
Slip Size (max/min):	in/in	/	
Quantity :	no.		
Make :			
Adaptor Plate :			
<b>D.2.10 Drill Collar Lifting Subs</b>			
Quantity :	no.		
For OD DC :	in		
Connection Type :			
Quantity :	no.		
For OD DC :	in		
Connection Type :			
Quantity :	no.		
For OD DC :	in		
Connection Type :			
Quantity :	no.		
For OD DC :	in		
Connection Type :			

<p>Unit Name :</p> <p><b>D.2.11 DC Lifting Plugs</b></p> <p>Quantity : no. For OD DC : in Connection type :</p> <p>Quantity : no. For OD DC : in Connection type :</p> <p>Quantity : no. For OD DC : in Connection type :</p> <p>Quantity : no. For OD DC : in Connection type :</p> <p><b>D.2.12 Bit Breakers</b></p> <p>Quantity : no. For bit size : in</p> <p>Quantity : no. For bit size : in</p> <p>Quantity : no. For bit size : in</p> <p>Quantity : no. For bit size : in</p> <p>Quantity : no. For bit size : in</p> <p>Quantity : no. For bit size : in</p> <p>Quantity : no. For bit size : in</p> <p>Quantity : no. For bit size : in</p> <p><b>D.2.13 Elevator Links</b></p> <p>Quantity of sets : no. Make/Type : Size : in Length : ft Rated capacity : st</p>			
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Unit Name :			
Quantity of sets :	no.		
Make/Type :			
Size :	in		
Length :	ft		
Rated capacity :	st		
<b>D.2.14 Kelly Spinner</b>			
Make/Type :			
<b>D.2.15 Drillpipe Spinner</b>			
Make/Type :			
Size (max/min) :	in/in	/	
<b>D.2.16 Mud Saver Bucket</b>			
Make :			
Size :	in		
Make :			
Size :	in		
<b>D.2.17 Hydraulic Make-Up/Beakout Machine (e.g. Ezy Torque )</b>			
Make/Type :			
Maximum linepull :	st		
<b>D.2.18 Rotary Rig Tongs</b>			
Quantity (sets) :	no.		
Make/Type :			
Size range (max OD/min OD) :	in/in	/	
Torque rating :	ft lbs		
<b>D.2.19 Tubing Tongs (manual)</b>			
Quantity (sets) :	no.		
Make/Type :			
Size range (max OD/min OD) :	in/in	/	
Torque rating :	ft lbs		

<p>Unit Name :</p> <p><b>D.2.20 Tubing Tongs Power</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>Size range (max OD/min OD) : in/in /</p> <p>Max output torque : ft lbs</p> <p>Torque indicator : yes/no</p> <p>Back-up arm : yes/no</p>			
<p><b>D.2.21 Iron Roughneck</b></p> <p>Make/Type :</p> <p>Size range (max OD/min OD): in/in /</p>			
<p><b>D.3 FISHING EQUIPMENT</b></p>			
<p><b>D.3.1 Overshots</b></p>			
<p>Quantity : no.</p> <p>Make/Type :</p> <p>Overshot OD : in</p> <p>To catch size : in</p> <p>To catch size : in</p> <p>To catch size : in</p> <p>Overshot guide OD : in</p> <p>Extension sub length : ft</p> <p>Lipped guide (oversize, regular) :</p> <p>Grapples (spiral, basket, both) :</p> <p>Pack offs : yes/no</p> <p>Top sub connection type:</p>			
<p>Quantity : no.</p> <p>Make/Type :</p> <p>Overshot OD : in</p> <p>To catch size : in</p> <p>To catch size : in</p> <p>To catch size : in</p> <p>Overshot guide OD : in</p> <p>Extension sub length : ft</p> <p>Lipped guide (oversize, regular) :</p> <p>Grapples (spiral, basket, both) :</p> <p>Pack offs : yes/no</p> <p>Top sub connection type:</p>			
<p>Quantity : no.</p> <p>Make/Type :</p> <p>Overshot OD : in</p> <p>To catch size : in</p> <p>To catch size : in</p> <p>To catch size : in</p>			



<p>Unit Name :</p> <p>Overshot guide OD : in</p> <p>Extension sub length : ft</p> <p>Lipped guide (oversize, regular) :</p> <p>Grapples (spiral, basket, both) :</p> <p>Pack offs : yes/no</p> <p>Top sub connection type:</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>Overshot OD : in</p> <p>To catch size : in</p> <p>To catch size : in</p> <p>To catch size : in</p> <p>Overshot guide OD : in</p> <p>Extension sub length : ft</p> <p>Lipped guide (oversize, regular) :</p> <p>Grapples (spiral, basket, both) :</p> <p>Pack offs : yes/no</p> <p>Top sub connection type:</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>Overshot OD : in</p> <p>To catch size : in</p> <p>To catch size : in</p> <p>To catch size : in</p> <p>Overshot guide OD : in</p> <p>Extension sub length : ft</p> <p>Lipped guide (oversize, regular) :</p> <p>Grapples (spiral, basket, both) :</p> <p>Pack offs : yes/no</p> <p>Top sub connection type:</p> <p><b>D.3.2 Hydraulic Fishing Jar</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>Min. ID : in</p> <p>Stroke : in</p> <p>Connection type :</p> <p>Repair kit : yes/no</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>Min. ID : in</p> <p>Stroke : in</p> <p>Connection type :</p> <p>Repair kit : yes/no</p>			
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<p>Unit Name :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>Min. ID : in</p> <p>Stroke : in</p> <p>Connection type :</p> <p>Repair kit : yes/no</p>			
<p><b>D.3.3 Jar Intensifier</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>OD body : in</p> <p>Min. ID : in</p> <p>Connection type :</p> <p>Repair kit : yes/no</p>			
<p><b>D.3.4 Surface Jar</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>Stroke : in</p> <p>Connection type :</p> <p>Repair kit : yes/no</p>			
<p><b>D.3.5 Fishing Bumpersubs</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>Min. ID : in</p> <p>Stroke : in</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>Min. ID : in</p> <p>Stroke : in</p> <p>Connection type :</p>			
<p><b>D.3.6 Safety Joints</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>Min. OD : in</p> <p>Connection type :</p>			

<p>Unit Name :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>Min. OD : in</p> <p>Connection type :</p>			
<p><b>D.3.7 Junk Baskets (Reverse Circulation)</b></p>			
<p>Quantity : no.</p> <p>Make/Type :</p> <p>For hole size : in</p> <p>OD body : in</p> <p>Connection type :</p> <p>Inside magnet available : yes/no</p> <p>Mill shoes type B : yes/no</p>			
<p>Quantity : no.</p> <p>Make/Type :</p> <p>For hole size : in</p> <p>OD body : in</p> <p>Connection type :</p> <p>Inside magnet available : yes/no</p> <p>Mill shoes type B : yes/no</p>			
<p>Quantity : no.</p> <p>Make/Type :</p> <p>For hole size : in</p> <p>OD body : in</p> <p>Connection type :</p> <p>Inside magnet available : yes/no</p> <p>Mill shoes type B : yes/no</p>			
<p><b>D.3.8 Junk Subs</b></p>			
<p>Quantity : no.</p> <p>Make/Type :</p> <p>For hole size : in</p> <p>OD body : in</p> <p>Connection type :</p>			
<p>Quantity : no.</p> <p>Make/Type :</p> <p>For hole size : in</p> <p>OD body : in</p> <p>Connection type :</p>			
<p>Quantity : no.</p> <p>Make/Type :</p> <p>For hole size : in</p> <p>OD body : in</p> <p>Connection type :</p>			

<p>Unit Name :</p> <p><b>D.3.9 Flat Bottom Junk Mill</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD flat mill : in</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD flat mill : in</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD flat mill : in</p> <p>Connection type :</p> <p><b>D.3.10 Magnet Fishing Tools</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD body : in</p> <p>Connection type :</p> <p><b>D.3.11 Taper Taps</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD (Max/Min) : in/in /</p> <p>OD body : in</p> <p>Length : ft</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD (Max/Min) : in/in /</p> <p>OD body : in</p> <p>Length : ft</p> <p>Connection type :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>OD (Max/Min) : in/in /</p> <p>OD body : in</p> <p>Length : ft</p> <p>Connection type :</p>			
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Unit Name :

**D.3.12 Die Collars**

Quantity :	no.
Make :	
OD (Max/Min) :	in/in /
OD body :	in
Length :	ft
Connection type :	

Unit Name :			
<b>E. WELL CONTROL/SUBSEA EQUIPMENT</b>			
<b>E.1 LOWER RISER DIVERTER ASSEMBLY</b> (used when drilling for the surface casing)			
<b>E.1.1 Hydraulic Connector</b>			
Size :	in		
Make :			
Surface controlled hydraulic operated dump valves :	no.		
Size :	in		
<b>E.1.2 Flex Joint/Riser Adaptor</b>			
Flex joint			
Make/Type :			
Size :	in		
Max deflection :	deg		
Riser adaptor			
Make/Type :			
Size :	in		
<b>E.2 Primary BOP Stack(from bottom to top)</b>			
Stack complete with			
- guide frame :	yes/no		
- pick up attachment :	yes/no		
- transport base :	yes/no		
Size (bore) :	in		
Working pressure :	psi		
H2S service :	yes/no		
<b>E.2.1 Alternate Hydraulic Connector</b>			
Alternate connector available :	yes/no		
Connector make/model :			
Adaptor available :	yes/no		
<b>E.2.2 Hydraulic Wellhead Connector</b>			
Size :	in		
Make/Type :			
Working pressure :	psi		
Hot tap for underwater intervention :	yes/no		
Spare Connector same type :	yes/no		

Unit Name :			
<b>E.2.3 Ram Type Preventers</b>			
Preventers			
Quantity :	no.		
Bore size :	in		
Working pressure :	psi		
Make :			
Model :			
Type (single/double) :			
Ram locks :	yes/no		
Preventers connection type - top :			
Preventers connection type - bottom :			
Side outlets :	yes/no		
Size :	in		
Connection type :			
Preventers			
Quantity :	no.		
Bore size :	in		
Working pressure :	psi		
Make :			
Model :			
Type (single/double) :			
Ram locks :	yes/no		
Preventers connection type - top :			
Preventers connection type - bottom :			
Side outlets :	yes/no		
Size :	in		
Connection type :			
Pipe rams			
Quantity :	no.		
Size :	in		
Quantity :	no.		
Size :	in		
Quantity :	no.		
Size :	in		
Blind/shear rams			
Quantity :	no.		
Variable rams			
Quantity :	no.		
Size range (min/max) :	in/in	/	
Quantity :	no.		
Size range (min/max) :	in/in	/	
<b>E.2.4 Stack Configuration (Blind/Shear/Pipe/Variable)</b>			
Top rams :			
Middle upper rams :			
Middle lower rams :			
Spacing between middle lower and lower rams :	in		
Lower rams :			

<p>Unit Name :</p> <p>Position of side outlets-kill :  Upper :  Lower :</p> <p>Position of side outlets-choke :  Upper :  Lower :</p> <p><b>E.2.5 Annular Type Preventer On Stack</b></p> <p>Size : in  Working pressure : psi  Make/Type :</p> <p><b>E.2.6 Mandrel</b></p> <p>Make/Type :  Size : in</p> <p><b>E.2.7 Fail-Safe Hydraulic Valves  (Kill and Choke)</b></p> <p>Quantity on each side outlet : no.  Size (ID) : in  Make/Type :  Working pressure : psi  Solid block : yes/no</p> <p><b>E.2.8 Subsea Accumulators  (see also E.7.1.-surface  Accumulator Unit)</b></p> <p>Quantity : no.  Useful capacity per accumulator  (w/o pre-charge) : U.S. gal  Bottle working pressure : psi</p> <p><b>E.2.9 Hydraulic Control Pod/Receptacles</b></p> <p>Quantity : no.  Redundancy : %  Color coded : yes/no  Remote regulation of operating pressure  for functions requiring lower  operating pressure : yes/no  Spare control pod : yes/no</p>			
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<p>Unit Name :</p> <p><b>E.3 PRIMARY LOWER MARINE RISER PACKAGE</b> <b>(From Bottom To Top)</b></p> <p><b>E.3.1 Hydraulic Connector</b></p> <p>Make/Type :</p> <p>Size : in</p> <p>Working pressure : psi</p> <p>Hot tap for underwater intervention : yes/no</p> <p>Spare connector same type : yes/no</p> <p><b>E.3.2 Annular Type Preventer (LMRP)</b></p> <p>Size : in</p> <p>Working pressure : psi</p> <p>Make/Type :</p> <p><b>E.3.3 Flex Joint</b></p> <p>Make/Type :</p> <p>Size : in</p> <p>Max deflection : degrees</p> <p><b>E.3.4 Riser Adapter</b></p> <p>Make/Type :</p> <p>Size : in</p> <p><b>E.3.5 Connection Lines to Riser</b></p> <p>Type (rigid loops, coflexip, etc.) :</p> <p><b>E.4 SECONDARY BOP STACK (from bottom to top)</b></p> <p>Stack complete with</p> <ul style="list-style-type: none"> <li>- guide frame : yes/no</li> <li>- pick up attachment : yes/no</li> <li>- transport base : yes/no</li> </ul> <p>Size (bore) : in</p> <p>Working pressure : psi</p> <p>H2S service : yes/no</p> <p><b>E.4.1 Alternate hydraulic connector</b></p> <p>Alternate connector available : yes/no</p> <p>Connector make/model :</p> <p>Adaptor available : yes/no</p>			
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<p>Unit Name :</p> <p><b>E.4.2 Hydraulic Wellhead Connector</b></p> <p>Size : in</p> <p>Make/Type :</p> <p>Working pressure : psi</p> <p>Hot tap for underwater intervention : yes/no</p> <p>Spare connector same type : yes/no</p> <p><b>E.4.3 Ram Type Preventers</b></p> <p>Preventers</p> <p>Quantity : no.</p> <p>Bore Size : in</p> <p>Working pressure : psi</p> <p>Make :</p> <p>Model :</p> <p>Type (single/double) :</p> <p>Ram locks : yes/no</p> <p>Preventers connection type - top :</p> <p>Preventers connection type - bottom :</p> <p>Side outlets : yes/no</p> <p>Size : in</p> <p>Connection type :</p> <p>Pipe rams</p> <p>Quantity : no.</p> <p>Size : in</p> <p>Quantity : no.</p> <p>Size : in</p> <p>Quantity : no.</p> <p>Size : in</p> <p>Blind/Shear rams</p> <p>Quantity : no.</p> <p>Variable rams</p> <p>Quantity : no.</p> <p>Size range (max/min) : in/in /</p> <p>Quantity : no.</p> <p>Size range (max/min) : in/in /</p> <p><b>E.4.4 Stack Configuration (Blind/Shear/Pipe/Variable)</b></p> <p>Top rams :</p> <p>Middle upper rams :</p> <p>Middle lower rams :</p> <p>Spacing between Middle Lower and Lower rams : in</p> <p>Lower rams :</p> <p>Position of side outlets-kill :</p> <p>Upper :</p> <p>Lower :</p>			
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Unit Name :			
Position of side outlets-choke :			
Upper :			
Lower :			
<b>E.4.5 Annular Type Preventer On Stack</b>			
Size :	in		
Working pressure :	psi		
Make/Type :			
<b>E.4.6 Mandrel</b>			
Make/Type :			
Size :	in		
<b>E.4.7 Fail-Safe Hydraulic Valves (Kill and Choke)</b>			
Quantity on each side outlet :	no.		
Size (ID) :	in		
Make/Type :			
Working pressure :	psi		
Solid block :	yes/no		
<b>E.4.8 Subsea Accumulators</b> (see also E.7.1 - Surface Accumulator Unit)			
Quantity :	no.		
Useful capacity per accumulator (w/o pre-charge) :	U.S. gal		
Bottle working pressure :	psi		
<b>E.4.9 Hydraulic Control Pod/Receptacles</b>			
Quantity :	no.		
Redundancy :	%		
Color coded :	yes/no		
Remote regulation of operating pressure for functions requiring lower operating pressure :	yes/no		
Spare control pod :	yes/no		
<b>E.5 SECONDARY LOWER MARINE RISER PACKAGE (From Bottom To Top)</b>			
<b>E.5.1 Hydraulic Connector</b>			
Make/Type :			
Size :	in		
Working pressure :	psi		
Hot tap for underwater intervention :	yes/no		
Spare connector same type :	yes/no		

<p>Unit Name :</p> <p><b>E.5.2 Annular Type Preventer (LMRP)</b></p> <p>Size : in          Working pressure : psi          Make/Type :</p> <p><b>E.5.3 Flex Joint</b></p> <p>Make/Type :          Size : in          Max deflection : degrees</p> <p><b>E.5.4 Riser Adapter</b></p> <p>Make/Type :          Size : in</p> <p><b>E.5.5 Connection Lines to Riser</b></p> <p>Type (rigid loops, coflexip, etc) :</p> <p><b>E.6 PRIMARY MARINE RISER SYSTEM</b></p> <p><b>E.6.1 Marine Riser Joints</b></p> <p>Make/Model :          OD : in          ID : in          Wall thickness : in          Average length of each joint : ft          Weight of one complete joint (in air) : lbs          Quantity : no.          Pipe material : grade          Minimum yield strength : psi          Type riser connectors :          Dogs : no.</p> <p>Make/Model :          OD : in          ID : in          Wall thickness : in          Average length of each joint : ft          Weight of one complete joint (in air) : lbs          Quantity : no.          Pipe material : grade          Minimum yield strength : psi          Type riser connectors :          Dogs : no.</p>			
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Unit Name :			
<b>Pup joints</b>			
Quantity :	no.		
Length :	ft		
Quantity :	no.		
Length :	ft		
Quantity :	no.		
Length :	ft		
Quantity :	no.		
Length :	ft		
<b>E.6.2 Telescopic Joint</b>			
Make/Type :			
Size (ID) :	in		
Stroke :	ft		
Double seals :	yes/no		
Spare telescoping joint :	yes/no		
Location :			
Rotating support ring for riser tensioners:	type		
Connection points :	no.		
<b>E.6.3 Kill/Choke Lines</b>			
Quantity :	no.		
Outside diameter :	in		
Inside diameter :	in		
Working pressure :	psi		
<b>E.6.4 Booster Lines (If Fitted)</b>			
Quantity :	no.		
Outside diameter :	in		
Inside diameter :	in		
Working pressure :	psi		
<b>E.6.5 Hydraulic Supply Lines</b>			
Quantity :	no.		
Outside diameter :	in		
Inside diameter :	in		
Working pressure :	psi		
<b>E.6.6 Upper Ball (Flex) Joint</b>			
Make/Type :			
Size :	in		
Maximum deflection :	deg.		
Spare upper ball (flex) joint :	yes/no		

<p>Unit Name :</p> <p><b>E.6.7 Buoyancy Modules (if Fitted)</b></p> <p>Make :</p> <p>Quantity of buoyed riser joints : no.</p> <p>Riser tub OD : in</p> <p>OD of buoyed riser joints : in</p> <p>Length of each module : ft</p> <p>Volume of each module : ft<sup>3</sup></p> <p>Buoyancy in seawater : st/ft<sup>3</sup></p> <p>Rated water depth : ft</p> <p>Make :</p> <p>Quantity of buoyed riser joints : no.</p> <p>Riser tub OD : in</p> <p>OD of buoyed riser joints : in</p> <p>Length of each module : ft</p> <p>Volume of each module : ft<sup>3</sup></p> <p>Buoyancy in seawater : st/ft<sup>3</sup></p> <p>Rated water depth : ft</p> <p><b>E.6.8 Marine Riser Spider</b></p> <p>Make/Type :</p> <p><b>E.6.9 Marine Riser Gimbal</b></p> <p>Make/Type :</p> <p><b>E.6.10 Riser Handling Tools</b></p> <p>Quantity : no.</p> <p>Type :</p> <p><b>E.6.11 Riser Test Tools</b></p> <p>Quantity : no.</p> <p>Type :</p> <p><b>E.6.12 Instrumented Riser Joint</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Length : ft</p> <p>Functions :</p> <p>Tension : yes/no</p> <p>Mud temp : yes/no</p> <p>Mud weight : yes/no</p> <p>Other :</p>			
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<p>Unit Name :</p> <p><b>E.6.13 Riser Flood/Fill System</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Length : ft</p> <p>Automatic operation : yes/no</p> <p>Manual override : yes/no</p> <p>No. of inlet valves : no.</p> <p>Size of valves (ID) : in</p> <p><b>E.7 SECONDARY MARINE RISER SYSTEM</b></p> <p><b>E.7.1 Marine Riser Joints</b></p> <p>Make/Model :</p> <p>OD : in</p> <p>ID : in</p> <p>Wall thickness : in</p> <p>Average length of each joint : ft</p> <p>Weight of one complete joint (in air) : lbs</p> <p>Quantity : no.</p> <p>Pipe material : grade</p> <p>Minimum yield strength : psi</p> <p>Type riser connectors :</p> <p>Dogs : no.</p> <p>Make/Model :</p> <p>OD : in</p> <p>ID : in</p> <p>Wall thickness : in</p> <p>Average length of each joint : ft</p> <p>Weight of one complete joint (in air) : lbs</p> <p>Quantity : no.</p> <p>Pipe material : grade</p> <p>Minimum yield strength : psi</p> <p>Type riser connectors :</p> <p>Dogs : no.</p> <p>Pup joints</p> <p>Quantity : no.</p> <p>Length : ft</p> <p>Quantity : no.</p> <p>Length : ft</p> <p>Quantity : no.</p> <p>Length : ft</p> <p>Quantity : no.</p> <p>Length : ft</p>			
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<p>Unit Name :</p> <p><b>E.7.2 Telescopic Joint</b></p> <p>Make/Type :</p> <p>Size (ID) : in</p> <p>Stroke : ft</p> <p>Double seals : yes/no</p> <p>Spare telescoping joint : yes/no</p> <p>Location :</p> <p>Rotating support ring for riser tensioners : type</p> <p>Connection points : no.</p> <p><b>E.7.3 Kill/Choke Lines</b></p> <p>Quantity : no.</p> <p>Outside diameter : in</p> <p>Inside diameter : in</p> <p>Working pressure : psi</p> <p><b>E.7.4 Booster Lines (if Fitted)</b></p> <p>Quantity : no.</p> <p>Outside diameter : in</p> <p>Inside diameter : in</p> <p>Working pressure : psi</p> <p><b>E.7.5 Hydraulic Supply Lines</b></p> <p>Quantity : no.</p> <p>Outside diameter : in</p> <p>Inside diameter : in</p> <p>Working pressure : psi</p> <p><b>E.7.6 Upper Ball (Flex) Joint</b></p> <p>Make/Type :</p> <p>Size : in</p> <p>Maximum deflection : deg.</p> <p>Spare upper ball (flex) joint : yes/no</p> <p><b>E.7.7 Buoyancy Modules (if Fitted)</b></p> <p>Make :</p> <p>Quantity of buoyed riser joints : no.</p> <p>OD of buoyed riser joints : in</p> <p>Length of each module : ft</p> <p>Volume of each module : ft<sup>3</sup></p> <p>Buoyancy in seawater : st/ft<sup>3</sup></p> <p>Rated water depth : ft</p>			
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<p>Unit Name :</p> <p>Make :</p> <p>Quantity of buoyed riser joints : no.</p> <p>OD of buoyed riser joints : in</p> <p>Length of each module : ft</p> <p>Volume of each module : ft<sup>3</sup></p> <p>Buoyancy in seawater : st/ft<sup>3</sup></p> <p>Rated water depth : ft</p> <p><b>E.7.8 Marine Riser Spider</b></p> <p>Make/Type :</p> <p><b>E.7.9 Marine Riser Gimbal</b></p> <p>Make/Type :</p> <p><b>E.7.10 Riser Handling Tools</b></p> <p>Quantity : no.</p> <p>Type :</p> <p><b>E.7.11 Riser Test Tools</b></p> <p>Quantity : no.</p> <p>Type :</p> <p><b>E.7.12 Instrumented Riser Joint</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Length : ft</p> <p>Functions :</p> <p>Tension : yes/no</p> <p>Mud temp : yes/no</p> <p>Mud weight : yes/no</p> <p>Other :</p> <p><b>E.7.13 Riser Flood/Fill System</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Length : ft</p> <p>Automatic operation : yes/no</p> <p>Manual override : yes/no</p> <p>No. of inlet valves : no.</p> <p>Size of valves (ID) : in</p>			
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Unit Name :			
<b>E.8 DIVERTER BOP</b> (For installation in fixed bell nipple)			
Make/Type :			
Max bore size :	in		
Working pressure :	psi		
Number of diverter outlets :	no.		
Outlet OD :	in		
Insert packer size ID :	in		
<b>E.8.1 Diverter Flowlines</b>			
Quantity :	no.		
OD of flowlines :	in		
Running from diverter to :			
Valve types :			
Size :	in		
Working pressure :	psi		
Control valve type (air/hydraulic/etc.):			
Remote controlled from :	location		
	location		
	location		
<b>E.8.2 Diverter Control Panels</b>			
Driller's panel			
Make :			
Model :			
Location :			
Locking/unlocking control :	yes/no		
Remote panel			
Make :			
Model :			
Location :			
Locking/unlocking control :	yes/no		
<b>E.9 SUBSEA SUPPORT SYSTEM</b>			
<b>E.9.1 Riser Tensioners</b>			
Quantity :	no.		
Make/Type :			
Capacity each tensioner :	st		
Maximum stroke :	ft		
Wireline size :	in		
Line travel :	ft		
Independent air compressors :	yes/no		
Independent air drying unit :	yes/no		

Unit Name :			
<b>E.9.2 Guideline System</b>			
Quantity :	no.		
Make/Type :			
Capacity each tensioner:	st		
Maximum stroke :	ft		
Wireline size :	in		
Line travel :	ft		
Line storage drums with tensioners :	yes/no		
<b>E.9.3 Remote Guideline Replacement Tool</b>			
Make/Type :			
<b>E.9.4 Remote Guideline Cutting Tool</b>			
Make/Type :			
<b>E.9.5 Pod Line Tensioners</b>			
Quantity :	no.		
Make/Type :			
Capacity each tensioner:	st		
Maximum stroke :	ft		
Wireline size :	in		
Line travel :	ft		
<b>E.9.6 Tensioner/Compensator Air Pressure Vessels</b>			
Quantity :	no.		
Total capacity :	ft <sup>3</sup>		
Rated working pressure :	psi		
Pressure relief valve installed :	yes/no		
<b>E.10 BOP CONTROL SYSTEM</b>			
<b>E.10.1 Surface Accumulator Unit (See also E.2.8 &amp; E.4.8 - Subsea Accumulators)</b>			
Make :			
Model/Type :			
Location :			
Soluble oil reservoir capacity :	U.S. gal		
Oil/water mix. capacity :	U.S. gals/min		
Glycol reservoir capacity :	U.S. gal		
No. of bottles installed :	no.		

Unit Name :			
Useful capacity per accumulator (w/o pre-charge) :	U.S. gal		
Bottle working pressure :	psi		
Control manifold model :			
Regulator type :			
Total useful accumulator volume (surface and stack) equals all preventer opening and closing volumes :	yes/no		
Plus percent additional volume :	%		
<b>E.10.2 Accumulator Hydraulic Pumps</b>			
Electric driven			
Quantity :	no.		
Make :			
Model :			
Each driven by motor of power :	hp		
Flow rate of each pump :	U.S. gals/min		
At minimum operating pressure :	psi		
Air driven			
Quantity :	no.		
Make :			
Model :			
Each driven by motor of power :	hp		
Flow rate of each pump :	U.S. gals/min		
At minimum operating pressure :	psi		
<b>E.10.3 Driller's Control Panel</b>			
Graphic control panel at driller's position showing subsea functions with controls for the following functions of the BOP stack			
Marine riser connector :	yes/no		
All annular type BOP's :	yes/no		
All ram type BOP's :	yes/no		
Lock for ram type BOP's :	yes/no		
Wellhead and LMRP connector :	yes/no		
Inner and outer kill and choke line valves:	yes/no		
Low acc. pressure warning :	yes/no		
Low reservoir level warning :	yes/no		
Low rig air pressure warning :	yes/no		
Pressure regulator for annular :	yes/no		
Flowmeter :	yes/no		
Quantity of pressure gauges :	no.		
Emergency push button for automatic riser disconnection :			
Other control functions :	yes/no		
Control panel make :			
Control panel model :			

Unit Name :			
<b>E.10.4 Remote Control Panels</b>			
Ability to operate main closing unit valves directly :	yes/no		
Quantity :	no.		
Make/Model :			
Locations :			
Locations :			
Locations :			
Operating System Routing (Direct/via Primary Control Panel) :			
<b>E.11 SUBSEA CONTROL SYSTEM</b>			
<b>E.11.1 Hose Reels</b>			
Quantity :	no.		
Location :			
Make/Type :			
Maximum storage length each :	ft		
Drive motor type :			
<b>E.11.2 Pod Hose</b>			
Location :			
Length :	ft		
OD hose :	in		
Control line ID :	in		
Quantity total :	no.		
Quantity spare (when new) :	no.		
Control line ID :	in		
Quantity total :	no.		
Quantity spare (when new) :	no.		
Control line ID :	in		
Quantity total :	no.		
Quantity spare (when new) :	no.		
<b>E.11.3 Pod Hose Manifold</b>			
Make/Model :			
Surface test stump :	yes/no		
<b>E.11.4 Surface Test Pod</b>	yes/no		

<p>Unit Name :</p> <p><b>E.12 ACOUSTIC EMERGENCY BOP CONTROL SYSTEM</b></p> <p>Make/Model :</p> <p>Type (Fixed/Portable) :</p> <p>Number of functions : no.</p> <p>Type of functions :</p> <p>    LMRP connector release : yes/no</p> <p>    Shear ram close : yes/no</p> <p>    Other :</p> <p><b>E.13 SUBSEA AUXILIARY EQUIPMENT</b></p> <p><b>E.13.1 Hole Position Indicator</b></p> <p>Make/Type :</p> <p>Quantity of monitors : no.</p> <p>    Monitor location :</p> <p>    Monitor location :</p> <p>Recorder : yes/no</p> <p><b>E.13.2 Riser Angle Indicator</b></p> <p>Make/Type :</p> <p>Quantity of monitors : no.</p> <p>    Monitor location :</p> <p>    Monitor location :</p> <p>Recorder : yes/no</p> <p><b>E.13.3 Slope Indicators</b></p> <p>Make :</p> <p>Quantity : no.</p> <p>Provision for installation on BOP : yes/no</p> <p>Pin connector : yes/no</p> <p>Other :</p> <p><b>E.13.4 Underwater TV System</b></p> <p>Make/Type :</p> <p>Quantity of TV monitors : no.</p> <p>    Monitor location :</p> <p>    Monitor location :</p> <p>Reels/cables for maximum water depth: ft</p> <p>TV frame type :</p> <p>Pan/tilt unit : yes/no</p> <p>Spare camera : yes/no</p> <p>Spare cable : yes/no</p>			
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<p>Unit Name :</p> <p><b>E.13.5 ROV System</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Type :</p> <p>Monitor location :</p> <p>Monitor location :</p> <p>Provided by (operator, contractor) :</p> <p>Maximum water depth : ft</p> <p>Cameras - color : no.</p> <p>Cameras - B &amp; W : no.</p> <p>Manipulators</p> <p>Quantity: no.</p> <p>Type (spacially correspondent, rate, grabber) :</p> <p>Functions :</p> <p>Quantity: no.</p> <p>Type (spacially correspondent, rate, grabber) :</p> <p>Functions :</p> <p>Quantity: no.</p> <p>Type (spacially correspondent, rate, grabber) :</p> <p>Functions :</p> <p>Sonar</p> <p>Type :</p> <p>Type :</p> <p><b>E.14 CHOKE MANIFOLD</b></p> <p><b>E.14.1 Choke Manifold</b> <b>(For instrumentation, see H.3)</b></p> <p>Make :</p> <p>Minimum ID : in</p> <p>Maximum WP : psi</p> <p>H2S service : yes/no</p> <p>Quantity of fixed chokes : no.</p> <p>Make :</p> <p>Model :</p> <p>Size (ID) : in</p> <p>Quantity of adjustable chokes : no.</p> <p>Make :</p> <p>Model :</p> <p>Size (ID) : in</p> <p>Quantity of power chokes : no.</p> <p>Make :</p> <p>Model :</p> <p>Size (ID) : in</p> <p>Power choke remote control panel : yes/no</p> <p>Make :</p> <p>Model :</p> <p>Location :</p> <p>Glycol injection : yes/no</p>			
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Unit Name :			
<b>E.14.2 Flexible Choke &amp; Kill Lines (Connecting riser to drilling unit)</b>			
Quantity :	no.		
Make/Type :			
ID :	in		
Working pressure :	psi		
Quantity :	no.		
Make/Type :			
ID :	in		
Working pressure :	psi		
<b>E.15 BOP TESTING EQUIPMENT</b>			
<b>E.15.1 Hydraulic BOP Test Pump</b>			
Make :			
Model/Type :			
Presssure rating :	psi		
Chart recorder :	yes/no		
<b>E.15.2 BOP Test Stump</b>			
Quantity :	no.		
Test pressure :	psi		
Type :			
Size :	in		
Connected to deck (welded/bolted) :			
<b>E.16 WELLHEAD RUNNING/RETRIEVING/ TESTING TOOLS (RT/RRT/TT)</b>			
Wellhead make :			
Wellhead type :			
Wellhead size :	in		
Pressure rating :	psi		
<b>E.16.1 RT's For Casing Installation</b>			
Mechanical RT - casing housing sizes :	in		
Hydraulic RT - casing housing sizes :	in		
Pack Off RT - casing housing sizes :	in		
Hanger RT - casing hanger sizes :	in		
Hanger RT - casing type :			
Seal Assembly RT - casing sizes :	in		



<p>Unit Name :</p> <p><b>E.16.2 RRT's For Casing Installation</b></p> <p>Seal Assembly RRT - casing sizes : in  Wear Bushing RRT - casing sizes : in  Seat Protector RRT - casing sizes : in</p> <p><b>E.16.3 Miscellaneous Tools</b></p> <p>Temporary guide base RT : yes/no  BOP stack TT : yes/no  Multi-purpose TT : yes/no  Conductor casing jetting head : yes/no  Clean out tool : yes/no  Lock ring wellhead release tool : yes/no  Seal assembly torque tool : yes/no  Utility guide frame : yes/no  Guide frame adaptor sizes :</p> <p><b>E.16.4 Booster Lines (if Fitted)</b></p> <p>OD drill pipe : in  Quantity : no.  Connection type :  Grade :  Hang off method (sq. shoulder/doughnut) :</p> <p><b>E.16.5 Mini Hose Bundle for use with hydraulic running tools</b> yes/no</p> <p>Control line ID : in  Quantity of lines : no.  Control line ID : in  Quantity of lines : no.</p> <p><b>E.16.6 Emergency BOP Recovery System</b></p> <p>Emergency BOP recovery system : yes/no  Make/Type :</p>			
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<p>Unit Name :</p> <p><b>F. MUD SYSTEM/BULK SYSTEM</b></p> <p><b>F.1 HIGH PRESSURE MUD SYSTEM</b></p> <p>System working pressure : psi</p> <p>System test pressure : psi</p> <p>Built to which design pressure :</p> <p><b>F.1.1 Mud Pumps</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Model :</p> <p>Type (Triplex/Duplex) :</p> <p>Liner sizes available : in</p> <p>Mud pump drive motors : no.</p> <p>Motor type :</p> <p>Continuous power rating per motor : hp</p> <p>Fluid end : type</p> <p>Maximum working pressure : psi</p> <p>Test pressure : psi</p> <p>Pump stroke counter : type</p> <p>Supercharging pump : type</p> <p>Driven by motor of power : hp</p> <p>Discharge/Suction line ID : in/in /</p> <p>M.P. Pulsation Dampener : type</p> <p>Reset Relief Valve : type</p> <p>Working flowrate per pump at 90% of max spm :</p> <p>Liner size : in</p> <p>Pump speed (90% of max.) : spm</p> <p>Pump pressure : psi</p> <p>Working flowrate @ 100% volumetric output : U.S. gal/min</p> <p><b>F.1.2 Transfer Pumps/Mixing Pumps</b></p> <p><b>Transfer pumps</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Model :</p> <p>Type :</p> <p>Drive motor type :</p> <p>Power output : hp</p> <p><b>Mixing pumps</b></p> <p>Quantity : no.</p> <p>Make :</p> <p>Model :</p> <p>Type :</p> <p>Drive motor type :</p> <p>Power output : hp</p>			
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<p>Unit Name :</p> <p><b>F.1.3 Booster Pump</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>Pumping capacity (each) : U.S. gals/min</p> <p>Drive motor type :</p> <p>Power output : hp</p> <p><b>F.1.4 Standpipe Manifold</b></p> <p>Quantity of standpipes : no.</p> <p>Standpipes ID : in</p> <p>H-Type Standpipe manifold : yes/no</p> <p>Kill line outlet: yes/no</p> <p>Fill-up/bleed-off line outlet : yes/no</p> <p>Outlets (total) : no.</p> <p>ID : in</p> <p>Type connections :</p> <p>Dimensions OD X ID : in x in x</p> <p>Design standard :</p> <p><b>F.1.5 Rotary Hoses</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>ID X length : in x ft x</p> <p>Snubbing lines : yes/no</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>ID X length : in x ft x</p> <p>Snubbing lines : yes/no</p> <p><b>F.1.6 Cementing Hose</b></p> <p>Type (coflexip, etc.) :</p> <p>Length : ft</p> <p>ID : in</p> <p>Working pressure : psi</p> <p>Type (coflexip, etc.) :</p> <p>Length : ft</p> <p>ID : in</p> <p>Working pressure : psi</p> <p><b>F.1.7 Chiksan Steel Hoses</b></p> <p>Integral non-screwed : yes/no</p> <p>Make/Type :</p> <p>ID : in</p> <p>Section length : ft</p> <p>Quantity : no.</p>			
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<p>Unit Name :</p> <p>Section length : ft  Quantity : no.  Sweep swivels, make/type :  Nom. size ID : in  Fittings, non-screwed type : yes/no  Suitable for H2S service : yes/no</p> <p><b>F.2 LOW PRESSURE MUD SYSTEM</b></p> <p><b>F.2.1 Mud Tanks</b></p> <p>Quantity : no.  Total capacity : bbl  Height : ft  Capacity, tank No. 1: bbl  Type (active/reserve) :  Capacity, tank No. 2: bbl  Type (active/reserve) :  Capacity, tank No. 3: bbl  Type (active/reserve) :  Capacity, tank No. 4: bbl  Type (active/reserve) :  Capacity, tank No. 5: bbl  Type (active/reserve) :  Capacity, tank No. 6: bbl  Type (active/reserve) :  Capacity, tank No. 7: bbl  Type (active/reserve) :  Capacity, tank No. 8: bbl  Type (active/reserve) :  Capacity degasser tank : bbl  Mud agitator in each tank : yes/no  Mud guns in each tank : yes/no</p> <p><b>F.2.2 Settling Tank</b></p> <p>Quantity : no.  Total capacity : bbl</p> <p><b>F.2.3 Pill/Slug Tank</b></p> <p>Capacity : bbl  Mud agitator : yes/no  Mud guns : yes/no</p> <p>Capacity : bbl  Mud agitator : yes/no  Mud guns : yes/no</p>			
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<p>Unit Name :</p> <p><b>F.2.4 Trip Tank</b></p> <p>Capacity : bbl  Capacity/unit length : bbl/ft  Level indicator : yes/no  Electric pump make :  Model/type :  Motor output : hp  Facility for casing fill-up : yes/no  Alarm and strip chart recorder (see H.1.11) : yes/no</p> <p>Capacity : bbl  Capacity/unit length : bbl/ft  Level indicator : yes/no  Electric pump make :  Model/type :  Motor output : hp  Facility for casing fill-up : yes/no  Alarm and strip chart recorder (see H.1.11) : yes/no</p> <p><b>F.2.5 Stripping Tank</b></p> <p>Capacity : bbl  Capacity/unit length : bbl/ft  Equalizing facility with trip tank : yes/no  Transfer pump : yes/no</p> <p><b>F.2.6 Chemical Mixing Tank</b></p> <p>Capacity : bbl  Chemical mixer type :</p> <p><b>F.2.7 Shale Shakers</b></p> <p>Primary :  Quantity : no.  Make/model :  Type :  Driven by no. of electric motors : no.  Design flowrate (total) : bbl/min</p> <p>Cascading :  Quantity : no.  Make/model :  Type :  Driven by no. of electric motors : no.  Design flowrate (total) : bbl/min</p>			
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Unit Name :			
<b>F.2.8 Desander</b>			
Quantity :	no.		
Make/Model :			
Type :			
Number of cones x size :	no.x in	x	
Centrifugal pump type :			
Centrifugal pump size :	in x in	x	
Driven by electric motor of :	hp		
Is pump dedicated to desander :	yes/no		
Max. flowrate :	bbl/min		
<b>F.2.9 Desilter</b>			
Quantity :	no.		
Make/Model :			
Type :			
Number of cones x size :	no.x.in	x	
Centrifugal pump type :			
Centrifugal pump size :	in x in	x	
Driven by electric motor of :	hp		
Is pump dedicated to desander :	yes/no		
Max. flowrate :	bbl/min		
<b>F.2.10 Mud Cleaner</b>			
Quantity :	no.		
Make/Model :			
Type :			
Number of cones x size :	no.x.in	x	
Centrifugal pump type :			
Centrifugal pump size :	in x in	x	
Driven by electric motor of :	hp		
Is pump dedicated to desander :	yes/no		
Max. flowrate :	bbl/min		
<b>F.2.11 Mud/Gas Separator (Poor Boy)</b>			
Make/Type :			
Gas discharge line ID :	in		
Gas discharge location, primary :			
Can discharge be tied into burner system :	yes/no		
Mud seal height :	ft		
Calculated gas throughput :	mmscf		
<b>F.2.12 Degasser</b>			
Make/Type :			
Centrifugal pump type :			
Centrifugal pump size :	in x in	x	
Driven by electric motor of power :	hp		
Discharge line running to :			
Vacuum pump make :			
Type :			

Unit Name : <b>F.2.13 Mud Agitators</b>  Quantity : no. Make/Model : Driven by electric motor of : kw Located in tanks (See F.2.1 for tank numbers) :  Quantity : no. Make/Model : Driven by electric motor of power : kw Located in tanks (See F.2.1 for tank numbers) :  Quantity : no. Make/Model : Driven by electric motor of power : kw Located in tanks (See F.2.1 for tank numbers) :  <b>F.2.14 Mud Centrifuge</b>  Quantity : no. Make/Model : Feed pump make/model : Driven by motor of power : hp Capacity : bbl/min  <b>F.2.15 Mud Hopper</b>  Quantity : no. Make/Model : Feed pump make/model : Driven by motor of power : hp Capacity : bbl/min  <b>F.2.16 Mud Laboratory and Facilities</b>  Separate room : yes/no Equipped with Mud balance : yes/no Marsh funnel : yes/no Filtration kit : yes/no Sand content kit : yes/no Stopwatch : yes/no			
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Unit Name :			
<b>F.3 BULK SYSTEM</b>			
<b>F.3.1 Barite/Bentonite Silos</b>			
Quantity :	no.		
Capacity of each silo :	lt		
Locations :			
Type weight loadcell :			
Manufacturer :			
Pressure rating :	psi		
Relief valve(s) installed :	yes/no		
Quantity :	no.		
Capacity of each silo :	lt		
Locations :			
Type weight loadcell :			
Manufacturer :			
Pressure rating :	psi		
Relief valve(s) installed :	yes/no		
<b>F.3.2 Cement Silos</b>			
Quantity :	no.		
Capacity of each silo :	lt		
Locations :			
Type weight loadcell :			
Manufacturer :			
Pressure rating :	psi		
Relief valve(s) installed :	yes/no		
Separate mud/cement loading facilities:	yes/no		
Discharge line for cement independent from barite/bentonite discharge line :	yes/no		
Quantity :	no.		
Capacity of each silo :	lt		
Locations :			
Type weight loadcell :			
Manufacturer :			
Pressure rating :	psi		
Relief valve(s) installed :	yes/no		
Separate mud/cement loading facilities:	yes/no		
Discharge line for cement independent from barite/bentonite discharge line :	yes/no		
<b>F.3.3 Surge Tank for Barite/Bentonite</b>			
Quantity :	no.		
Capacity of each silo :	lt		
Type weight loadcell :			
Manufacturer :			
Pressure rating :	psi		
Relief valve(s) installed :	yes/no		



<p>Unit Name :</p> <p><b>F.3.4 Surge Tank for Cement</b></p> <p>Quantity : no.</p> <p>Capacity of each tank : lt</p> <p>Type weight loadcell :</p> <p>Manufacturer :</p> <p>Pressure rating : psi</p> <p>Relief valve(s) installed : yes/no</p> <p><b>F.3.5 Bulk Transfer System</b>  <b>(See also C.1.8 - Compressed Air Systems)</b></p> <p>Independent air system for the silos and surge tanks consisting of a high-volume low-pressure compressor and air drier : yes/no</p> <p>Air reduced from main air supply through pressure regulators : yes/no</p> <p>Separate volume tank and drier : yes/no</p>			
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Unit Name :			
<b>G. CASING/CEMENTING EQUIPMENT</b>			
<b>G.1 CASING EQUIPMENT</b>			
<b>G.1.1 API Casing Drifts</b>			
For casing OD, weight, quantity :	in/lbs/ft/no.	/	/
For casing OD, weight, quantity :	in/lbs/ft/no.	/	/
For casing OD, weight, quantity :	in/lbs/ft/no.	/	/
For casing OD, weight, quantity :	in/lbs/ft/no.	/	/
<b>G.1.2 Clamp-On Type Casing Thread Protectors</b>			
For casing OD, quantity :	in/no.	/	
For casing OD, quantity :	in/no.	/	
For casing OD, quantity :	in/no.	/	
For casing OD, quantity :	in/no.	/	
<b>G.1.3 Side Door Casing Elevator</b>			
Quantity :	no.		
For OD casing :	in		
Make/Type :			
Capacity :	st		
Quantity :	no.		
For OD casing :	in		
Make/Type :			
Capacity :	st		
Quantity :	no.		
For OD casing :	in		
Make/Type :			
Capacity :	st		
Quantity :	no.		
For OD casing :	in		
Make/Type :			
Capacity :	st		
<b>G.1.4 Single Joint Casing Elevators</b>			
Quantity :	no.		
For OD casing :	in		
Make/Type :			
Safety latches :	yes/no		
Wire rope size :	in		
Swivel size :	in		

<p>Unit Name :</p>			
<p>Quantity : no.                  For OD casing : in                  Make/Type :                  Safety latches : yes/no                  Wire rope size : in                  Swivel size : in</p>			
<p>Quantity : no.                  For OD casing : in                  Make/Type :                  Safety latches : yes/no                  Wire rope size : in                  Swivel size : in</p>			
<p>Quantity : no.                  For OD casing : in                  Make/Type :                  Safety latches : yes/no                  Wire rope size : in                  Swivel size : in</p>			
<p><b>G.1.5 Slip Type Elevator/Spiders</b></p>			
<p>Quantity : no.                  Make/Type :                  Capacity : st                  W/slips for OD casing sizes : in</p>			
<p><b>G.1.6 Casing Slips</b></p>			
<p>Quantity : no.                  Make/Type :                  For OD casing : in</p>			
<p>Quantity : no.                  Make/Type :                  For OD casing : in</p>			
<p>Quantity : no.                  Make/Type :                  For OD casing : in</p>			
<p>Quantity : no.                  Make/Type :                  For OD casing : in</p>			
<p><b>G.1.7 Casing Bowls</b></p>			
<p>Quantity : no.                  Make/Type :                  For OD casing (max/min) : in/in</p>		/	

<p>Unit Name :</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>For OD casing (max/min) : in/in /</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>For OD casing (max/min) : in/in /</p> <p><b>G.1.8 Casing Tongs</b></p> <p>Quantity (sets) : no.</p> <p>Make/Type :</p> <p>W/jaws for OD casing (max/min) : in/in /</p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>W/jaws for OD casing (max/min) : in/in /</p> <p><b>G.1.9 Power Casing Tongs</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>W/jaws for OD casing (max/min) : in/in /</p> <p>Max output torque : ft lbs</p> <p>Torque indicator : yes/no</p> <p>Back-up arm : yes/no</p> <p><b>G.1.10 Power Unit For Casing &amp; Tubing Tongs</b></p> <p>Quantity : no.</p> <p>Driven by electric motor : yes/no</p> <p><b>G.1.11 Casing Circulating Head (Swedge)</b></p> <p>For OD casing : in</p> <p>Connection type :</p> <p>For OD casing : in</p> <p>Connection type :</p> <p>For OD casing : in</p> <p>Connection type :</p> <p>For OD casing : in</p> <p>Connection type :</p>			
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<p>Unit Name :</p> <p><b>G.1.12 Casing Spears (Internal)</b></p> <p>Quantity : no.          Make/Type :          For OD casing : in          For casing weight : lbs/ft          Pack-off : yes/no</p> <p>Quantity : no.          Make/Type :          For OD casing : in          For casing weight : lbs/ft          Pack-off : yes/no</p> <p>Quantity : no.          Make/type :          For OD casing : in          For casing weight : lbs/ft          Pack-off : yes/no</p> <p><b>G.1.13 Casing Cutters (Internal)</b></p> <p>Quantity : no.          Make/Type :          For OD casing (max/min) : in/in /</p> <p>Quantity : no.          Make/Type :          For OD casing (max/min) : in/in /</p> <p>Quantity : no.          Make/Type :          For OD casing (max/min) : in/in /</p> <p><b>G.1.14 Crossover to Handle Casing with DP</b></p> <p>Quantity : no.          For OD casing : in          Casing connection :          Drill pipe connection type :          Rated capacity : st</p> <p>Quantity : no.          For OD casing : in          Casing connection :          Drill pipe connection type :          Rated capacity : st</p> <p>Quantity : no.          For OD casing : in          Casing connection :          Drill pipe connection type :          Rated capacity : st</p>			
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Unit Name :			
<b>G.1.15 Casing Scrapers</b>			
Quantity :	no.		
Make :			
For OD casing :	in		
For casing weight :	lbs/ft		
OD body :	in		
Connection type :			
Quantity :	no.		
Make :			
For OD casing :	in		
For casing weight :	lbs/ft		
OD body :	in		
Connection type :			
Quantity :	no.		
Make :			
For OD casing :	in		
For casing weight :	lbs/ft		
OD body :	in		
Connection type :			
Quantity :	no.		
Make :			
For OD casing :	in		
For casing weight :	lbs/ft		
OD body :	in		
Connection type :			
<b>G.2 CEMENTING EQUIPMENT</b>			
<b>G.2.1 Cement Unit</b>			
Owner :			
Free placement basis :	yes/no		
Make/Type :			
No. of triplex pumps :	no.		
Maximum working pressure :	psi		
Maximum flowrate (total) :	bb/min		
Unit powered by (electric/diesel) :			
Recirculating mixing system :	yes/no		
Capacity :	bbl		
Motor power :	hp		
Liquid additive system :	yes/no		
Premix/batch tank :	U.S. gals/min		
Quantity :	no.		
Capacity (total) :	bbl		
Pressure recorder :	yes/no		

<p>Unit Name :</p> <p><b>G.2.2 Cementing Manifold</b></p> <p>Discharge manifold working pressure :                      psi          Cement pump discharge lines min. ID :                      in          Cement pump discharge lines working pressure:                      psi</p> <p><b>G.2.3 Cement Kelly</b></p> <p>Quantity :                      no.          Nominal size OD :                      in          Total length :                      ft          Working length :                      ft          Connection type :          Cement head :                      yes/no</p> <p><b>G.2.4 Cementing Tubing</b></p> <p>Size :                      in          Length (total) :                      ft          X-overs to drillpipe specified in sect D.1.3 :                      yes/no</p>			
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Unit Name :			
<b>H. INSTRUMENTATION/COMMUNICATION</b>			
<b>H.1 DRILLING INSTRUMENTATION AT DRILLER'S POSITION</b>			
<b>H.1.1 Weight Indicator</b>			
Make/Type :			
Sensor type :			
Calibrated for number of lines strung (6, 8, 10, 12, etc.) :	no.		
<b>H.1.2 Standpipe Pressure Gauges</b>			
Quantity :	no.		
Make/Type :			
Pressure range :	psi - psi	-	
Quantity :	no.		
Make/Type :			
Pressure range :	psi - psi	-	
Quantity :	no.		
Make/Type :			
Pressure range:	psi - psi	-	
<b>H.1.3 Choke Manifold Pressure Gauge</b>			
Quantity :	no.		
Make/Type :			
Pressure range :	psi - psi	-	
<b>H.1.4 Rotary Speed Tachometer</b>			
Make/Type :			
Capacity range:	rpm - rpm	-	
<b>H.1.5 Rotary Torque Indicator</b>			
Make/Type :			
Max torque :	ft lbs		
<b>H.1.6 Motion Compensator Instruments</b>			
Make/Type :			
Hook position indicator :	yes/no		
Lock/unlock indicator :	yes/no		



Unit Name :			
<b>H.1.7 Pump Stroke Counters</b>			
Make/Type :			
One pump stroke indicator and one cumulative pump stroke counter for each pump :	yes/no		
<b>H.1.8 Tong Torque Indicator</b>			
Make/Type :			
Capacity range:	lbs - lbs	-	
<b>H.1.9 Pit Volume Totalizer</b>			
Make/Model :			
Floats in active mud tanks :	yes/no		
Floats in reserve mud tanks :	yes/no		
Loss/Gain indicator :	yes/no		
Alarm (audio and visual) :	yes/no		
<b>H.1.10 Mud Flow Indicator</b>			
Make/Model :			
High/low alarm (audio and visual) :	yes/no		
<b>H.1.11 Trip Tank Indicator</b>			
Make/Model :			
Chart recorder :	yes/no		
Alarm :	yes/no		
<b>H.1.12 General Alarm System</b>	yes/no		
<b>H.1.13 Automatic Driller</b>			
Make/Type :			
<b>H.1.14 Remote Choke Control Unit (See E.14.1)</b>			
Make/Model :			
<b>H.2 DRILLING PARAMETER RECORDER</b>			
Quantity :	no.		
Location - 1 :			
Location - 2 :			
Make/Type :			
Quantity of pens :	no.		
Parameter recorded :			
Parameter recorded :			



<p>Unit Name :</p> <p><b>H.6 CALIBRATED PRESSURE GAUGES</b></p> <p>Make/type instrument gauges :</p> <p>Size : in</p> <p>Connection :</p> <p>Range : psi</p> <p>Quantity : no.</p> <p>Facilities to install gauges on :</p> <p>Standpipe manifold : yes/no</p> <p>Choke manifold : yes/no</p> <p>Cement unit : yes/no</p> <p><b>H.7 RIG COMMUNICATION SYSTEM</b></p> <p><b>H.7.1 Telephone System</b></p> <p>No. of stations : no.</p> <p>Make/Type :</p> <p>Explosion proof : yes/no</p> <p>No. of stations : no.</p> <p>Make/Type :</p> <p>Explosion proof : yes/no</p> <p><b>H.7.2 Public Address System</b></p> <p>Can be combined with above : yes/no</p> <p>Make/Type :</p> <p>Explosion proof : yes/no</p> <p><b>H.7.3 Drill Floor - Derrickman's Talkback (For Intercom System)</b></p> <p>No. of stations : no.</p> <p>Location :</p> <p>Location :</p> <p>Location :</p> <p>Make/Type :</p> <p>Explosion proof : yes/no</p> <p><b>H.7.4 Hand-Held VHF Radios</b></p> <p>Quantity : no.</p> <p>Make/Type :</p>			
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<p>Unit Name :</p> <p><b>H.8 ENVIRONMENTAL INSTRUMENTATION</b></p> <p><b>H.8.1 Temperature Indicators</b></p> <p>Air temperature : yes/no              Make/Model :</p> <p>Sea water temperature : yes/no              Make/Model :</p> <p>Recorder : yes/no</p> <p><b>H.8.2 Barometric Pressure Indicator</b></p> <p>Make/Model :          Recorder : yes/no</p> <p><b>H.8.3 Humidity Sensing Indicator</b></p> <p>Make/Model :          Recorder : yes/no</p> <p><b>H.8.4 Wind Speed/Direction Meter</b></p> <p>Make/Model :          Recorder : yes/no</p> <p><b>H.8.5 Wave Profile Recorder</b></p> <p>Make/Model :          Recorder : yes/no</p> <p><b>H.9 ADDITIONAL MODU SPECIFIC INSTRUMENTATION</b></p> <p><b>H.9.1 Roll, Pitch and Heave Indicator</b></p> <p>Make/Type :          Recorder : yes/no</p> <p><b>H.9.2 Gyro Compass</b></p> <p>Make/Model :          Located at :</p> <p><b>H.9.3 Echo Sounder</b></p> <p>Make/Model :          Located at :          Recorder : yes/no</p>			
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<p>Unit Name :</p> <p><b>H.9.4 Current Indicator</b></p> <p>Make/Model :</p> <p>Located at :</p> <p>Recorder : yes/no</p> <p><b>H.9.5 Weather Facsimile Recorder</b></p> <p>Make/Model :</p> <p>Located at :</p> <p>Recorder : yes/no</p> <p><b>H.9.6 Radar</b></p> <p>Quantity : no.</p> <p>Make/Model :</p> <p>Located at :</p> <p>Bandwidth : cm</p> <p>Quantity : no.</p> <p>Make/Model :</p> <p>Located at :</p> <p>Bandwidth : cm</p> <p><b>H.10 RADIO EQUIPMENT</b></p> <p>Location :</p> <p><b>H.10.1 SSB Transceiver</b></p> <p>Quantity : no.</p> <p>Make/Model :</p> <p>Power : watts</p> <p>Frequency range: mhz -mhz -</p> <p>(Synthesized/crystal) :</p> <p>Facsimile capable : yes/no</p> <p>Telex capable : yes/no</p> <p><b>H.10.2 E.P.I.R.B's</b></p> <p>Quantity : no.</p> <p>Make/Model :</p> <p><b>H.10.3 VHF Radio Telephone</b></p> <p>Quantity : no.</p> <p>Make/Model :</p> <p>Power : watts</p> <p>Channels :</p>			
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Unit Name : <b>H.10.4 VHF Radio Transceiver</b> Quantity : no. Make/Model : Power : watts  <b>H.10.5 Radio Beacon Transmitter</b> Quantity : no. Make/Model : Power : watts  <b>H.10.6 Aeronautical VHF Transceiver</b> Quantity : no. Make/Model : Power : watts Frequency range : hz - hz (Synthesized/crystal) :  <b>H.10.7 Watch Receiver</b> Quantity : no. Make/Model : Frequency : khz  <b>H.10.8 Scrambler</b> Quantity : no. Make/Model :  <b>H.10.9 Telex</b> Quantity : no. Make/Model :  <b>H.10.10 Satellite Communication System</b> Make/Model : Type : Facsimile link : yes/no Telex link : yes/no Telephone link : yes/no Other capabilities :			
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Unit Name :			
<b>I. PRODUCTION TEST EQUIPMENT</b>			
<b>I.1 BURNERS</b>			
Make/Type :			
Quantity :	no.		
Capacity :	bb/day		
Weight :	st		
Water requirement at 100 psi :	bb/min		
<b>I.2 BURNER BOOMS</b>			
Make/Type :			
Quantity :	no.		
Length :	ft		
Horizontal :	yes/no		
Height above sea level (at drilling draft) :	ft		
Maximum wind speed :	knots		
Walkway and handrails :	yes/no		
Burner platform size :	ftxft	x	
Burner mounting rotatable :	yes/no		
Regulatory approvals :			
<b>I.3 LINES REQUIRED ON BURNER BOOMS</b>			
<b>I.3.1 Oil Line</b>			
ID :	in		
Working pressure :	psi		
Connection type at burner end :	type		
H2S :	yes/no		
Pressure gauge connection at barge end :	in		
<b>I.3.2 Gas Line</b>			
ID :	in		
Working pressure :	psi		
Extended beyond burner by :	ft		
Connection type at burner end :	type		
H2S :	yes/no		
Pressure gauge connection at barge end :	in		
<b>I.3.3 Water Line</b>			
ID :	in		
Working pressure :	psi		
Connection type at burner end :	type		
Pressure guage connection at barge end :	in		

<p>Unit Name :</p> <p><b>I.3.4 Air Line</b></p> <p>ID : in</p> <p>Working pressure : psi</p> <p>Connection type at burner end : type</p> <p>Pressure gauge connection at barge end : in</p> <p><b>I.3.5 Pilot Gasline</b></p> <p>ID : in</p> <p>Working pressure : psi</p> <p>Connection type at burner end : type</p> <p>Pressure gauge connection at barge end : in</p> <p><b>I.4 SPRINKLER SYSTEM</b></p> <p>Sufficient to give protection to rig and personnel against heat radiation damage from the burners : yes/no</p> <p><b>I.5 FIXED LINES FOR WELL TESTING</b></p> <p><b>I.5.1 Drillfloor To Separator Area</b></p> <p>Type(screwed/welded, both) :</p> <p>Quantity : no.</p> <p>Size ID : in</p> <p>Working pressure : psi</p> <p>Connection type on drill floor :</p> <p>Connection type at separator :</p> <p>Number of valves/lines : no.</p> <p>Size of valves : in</p> <p>H2S : yes/no</p> <p><b>I.5.2 Separator Area to Each Burner Boom</b></p> <p>Type(screwed/welded, both) :</p> <p>Quantity : no.</p> <p>Size ID : in</p> <p>Working pressure : psi</p> <p>Connection type on separator : type</p> <p>Connection type at boom : type</p> <p>Number of valves/lines : no.</p> <p>Size of valves : in</p> <p>H2S : yes/no</p> <p>Valves installed near separator area for switching gas to either burner : yes/no</p>			
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<p>Unit Name :</p> <p><b>I.6.3 For Electric Heaters</b></p> <p>Quantity : kw</p> <p>Volts : v</p> <p>Frequency : Hz</p>			
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**J. WORKOVER TOOLS**  
**(NOT APPLICABLE TO SEMI-SUBMERSIBLES)**

Unit Name :			
<b>K. ACCOMMODATION</b>			
<b>K.1 OFFICES</b>			
<b>K.1.1 Company Representative's Office</b>			
Quantity :	no.		
Complete with desk, filing cabinet(s) and other necessary furniture :	yes/no		
Unrestricted view to drill floor :	yes/no		
<b>K.1.2 Contractor's Representative's Office</b>			
Quantity :	no.		
Unrestricted view to drill floor :	yes/no		
<b>K.1.3 Radio Room</b>			
Quantity :	no.		
<b>K.1.4 Hospital Room</b>			
Number of beds/bunks :	no.		
Wash basin :	yes/no		
Medical cabinet :	yes/no		
Dangerous drugs :	yes/no		
<b>K.2 LIVING QUARTERS</b>			
<b>K.2.1 Accommodations</b>			
Total beds :	no.		
Quantity of single bed rooms :	no.		
toilets (private/ shared/communal) :			
Quantity of two bed rooms :	no.		
toilets (private/ shared/communal) :			
Quantity of four bed rooms :	no.		
toilets (private/ shared/communal) :			
Quantity of six bed rooms :	no.		
toilets (private/ shared/communal) :			
Quantity of eight bed rooms :	no.		
toilets (private/ shared/communal) :			
<b>K.2.2 Galley</b>			
Quantity :	no.		

Unit Name :			
<b>K.2.3 Mess Seating Capacity</b>			
Main mess :	no.		
Aux. mess :	no.		
<b>K.2.4 Meeting Rooms</b>			
Quantity :	no.		
<b>K.2.5 Recreation Rooms</b>			
Quantity :	no.		
Recreation facilities			
TV :	no.		
VCR :	no.		
Pool Table :	no.		
Ping Pong Table :	no.		
Computer :	no.		
Other :			
<b>K.2.6 Other Rooms</b>			
Laundry :	no.		
Dry food store :	no.		
Refrigerator	no.		
Change rooms :	no.		
Prayer room :	no.		
Cinema :	no.		
Workout/Weight Room :	no.		

<p>Unit Name :</p> <p><b>L. SAFETY EQUIPMENT</b></p> <p><b>L.1 GENERAL SAFETY EQUIPMENT</b></p> <p><b>L.1.1 General Personnel Protective Gear</b></p> <p>Safety hats(contractor only/everyone/not supplied):</p> <p>Safety boots(contractor only/everyone/not supplied):</p> <p>Safety clothing(contractor only/everyone/not supplied):</p> <p>Ear protection(contractor only/everyone/not supplied):</p> <p>Rubber gloves(contractor only/everyone/not supplied) :</p> <p>Rubber aprons(contractor only/everyone/not supplied):</p> <p>Fullface visors(contractor only/everyone/not supplied):</p> <p>Eye shields(for grinding machines, etc.) (contractor only/everyone/not supplied):</p> <p>Dust masks(contractor only/everyone/not supplied):</p> <p>Rubber gloves - elbow length for chemical handling (contractor only/everyone/not supplied):</p> <p>Explosion proof handtorches c/w batteries (contractor only/everyone/not supplied):</p> <p>Safety belts c/w lines (contractor only/everyone/not supplied):</p> <p><b>L.1.2 Eye Wash Stations</b></p> <p>Quantity : no.</p> <p>Make/model :</p> <p>Located at :</p> <p>Located at :</p> <p>Located at :</p> <p><b>L.1.3 Derrick Safety Equipment</b></p> <p>Derrick escape chute (rem chute) : no.</p> <p>Make/Type :</p> <p>Derrick safety belts : no.</p> <p>Make/Type :</p> <p><b>L.1.4 Derrick Climbing Assistant</b></p> <p>Make/Type :</p> <p><b>L.1.5 Fresh Air Blowers (Bug Blowers)</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>Located at :</p> <p>Located at :</p>			
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<p>Unit Name :</p> <p><b>L.2 GAS/FIRE/SMOKE DETECTION</b></p> <p><b>L.2.1 H2S Monitoring System</b></p> <p>Make/Type :</p> <p>Sampling points at</p> <p>Bellnipple : <span style="float: right;">yes/no</span></p> <p>Drillfloor : <span style="float: right;">yes/no</span></p> <p>Shale shaker : <span style="float: right;">yes/no</span></p> <p>Mud tanks : <span style="float: right;">yes/no</span></p> <p>Ventilation system into living quarters : <span style="float: right;">yes/no</span></p> <p>Other :</p> <p>General alarm : <span style="float: right;">yes/no</span></p> <p>Alarm types (audible, visual, both) at</p> <p>Driller's console :</p> <p>Engine room :</p> <p>Mud room :</p> <p>Living quarters each level :</p> <p>Central area each structural level :</p> <p>Other :</p> <p>Central alarm panel : <span style="float: right;">yes/no</span></p> <p>Located at :</p> <p><b>L.2.2 Combustible Gas Monitoring System</b></p> <p>Make/Type :</p> <p>Sampling points at</p> <p>Bellnipple : <span style="float: right;">yes/no</span></p> <p>Drillfloor : <span style="float: right;">yes/no</span></p> <p>Shale shaker : <span style="float: right;">yes/no</span></p> <p>Mud tanks : <span style="float: right;">yes/no</span></p> <p>Ventilation system into living quarters : <span style="float: right;">yes/no</span></p> <p>Other :</p> <p>General alarm : <span style="float: right;">yes/no</span></p> <p>Alarm types (audible, visual, both) at</p> <p>Driller's console :</p> <p>Other :</p> <p><b>L.2.3 H2S Detectors (Portable)</b></p> <p>Quantity : <span style="float: right;">no.</span></p> <p>Make/Type :</p> <p>Phials for H2S: measuring range</p> <p>From 1 to 20 ppm : <span style="float: right;">no.</span></p> <p>From 100 to 600 ppm : <span style="float: right;">no.</span></p> <p><b>L.2.4 CO2 Gas Detectors (Portable)</b></p> <p>Quantity : <span style="float: right;">no.</span></p> <p>Make/Type :</p> <p>Phials for CO2: measuring range</p> <p>From 1 to 20 ppm : <span style="float: right;">no.</span></p> <p>From 20 to 200 ppm : <span style="float: right;">no.</span></p>			
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<p>Unit Name :</p> <p><b>L.2.5 Explosimeters</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p><b>L.2.6 Fire/Smoke Detectors in Accommodation</b></p> <p>Make/Type :</p> <p>Fire detection : yes/no</p> <p>Smoke detection : yes/no</p> <p>Central alarm panel : yes/no</p> <p>Location :</p> <p><b>L.3 FIRE FIGHTING EQUIPMENT</b></p> <p><b>L.3.1 Fire Pumps</b></p> <p>Quantity : no.</p> <p>Make/Model :</p> <p>Type :</p> <p>Output (each) : U.S. gals/min</p> <p>All offtake points supplied by each pump : yes/no</p> <p>Location of pumps :</p> <p>Location of pumps :</p> <p>Fire fighting water delivery conforms to IMO MODU Spec : yes/no</p> <p>IMO MODU Spec Version :</p> <p><b>L.3.2 Hydrants and Hoses</b></p> <p>Hydrants positioned such that any point may be reached by a single hose length from two separate hydrants : yes/no</p> <p>Quantity of hydrants : no.</p> <p>Hose connections/hydrant : no.</p> <p>Hose max. diam. : in</p> <p>Length : ft</p> <p><b>L.3.3 Portable Fire Extinguishers</b></p> <p>Quantity (total) : no.</p> <p>Type 1- CO2 : no./lbs /</p> <p>no./lbs /</p> <p>no./lbs /</p> <p>Type 2- Dry chemical : no./lbs /</p> <p>no./lbs /</p> <p>no./lbs /</p> <p>Type 3- Foam : no./lbs /</p> <p>no./lbs /</p> <p>no./lbs /</p> <p>Mounted adjacent to access ways and escape routes : yes/no</p>			
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<p>Unit Name :</p> <p><b>L.3.4 Fire Blankets</b></p> <p>Location :</p> <p>Quantity : no.</p> <p><b>L.3.5 Fixed Foam System</b></p> <p>Automatically injected into fixed fire water system at central point with remote manual control : yes/no</p> <p>Make/Type :</p> <p>Quantity foam stored on site : ft3</p> <p>Inductor tube : yes/no</p> <p>Foam nozzles : no.</p> <p>Located at :</p> <p>Located at :</p> <p>Located at :</p> <p><b>L.3.6 Helideck Foam System</b></p> <p>Dedicated system adequate for at least 10 minutes fire fighting at the rate quoted in the IMO MODU code : yes/no</p> <p>IMO MODU code version :</p> <p>Make/Type :</p> <p>Quantity of monitors : no.</p> <p>Foam type :</p> <p>Rate : U.S. gals/min</p> <p><b>L.3.7 Fixed Fire Extinguishing System</b></p> <p>Protected spaces</p> <p>Engine room, type (Halon/C02) :</p> <p>Paint locker, type (Halon/C02) :</p> <p>Emergency generator, type (Halon/C02) :</p> <p>SCR room, type (Halon/C02) :</p> <p>Other - location :</p> <p>Type :</p> <p>Alarms (audible, visual or both) :</p> <p>Automatic shutting of mechanical ventilation in protected spaces : yes/no</p> <p>Remote manual release located at :</p> <p>Remote manual release located at :</p> <p>Remote manual release located at :</p> <p><b>L.3.8 Manual Water Deluge System</b> yes/no</p> <p>Protected spaces :</p> <p>Protected spaces :</p> <p>Water supplied from fire main line : yes/no</p>			
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Unit Name :			
<b>L.3.9 Water Sprinkler System in Accommodation</b>			
Automatic :	yes/no		
Working pressure :	psi		
Pressurized tank capacity :	ft3		
<b>L.4 BREATHING APPARATUS</b>			
<b>L.4.1 General Sets</b>			
Quantity :	no.		
Make :			
Type :			
Bottle duration :	min		
Located at :	qty/loc	/	
Located at :	qty/loc	/	
Located at :	qty/loc	/	
Located at :	qty/loc	/	
Located at :	qty/loc	/	
Located at :	qty/loc	/	
Quantity :	no.		
Make :			
Type :			
Bottle duration :	min		
Located at :	qty/loc	/	
Located at :	qty/loc	/	
Located at :	qty/loc	/	
Located at :	qty/loc	/	
Located at :	qty/loc	/	
Located at :	qty/loc	/	
<b>L.4.2 Derrickman Escape Sets</b>			
Quantity :	no.		
Make/Type :			
Bottle duration :	min		
Located at :			
<b>L.4.3 Cascade Stations</b>			
Quantity :	no.		
Make/Type :			
Locations/outlets at location :		/	
Locations/outlets at location :		/	
Locations/outlets at location :		/	
Locations/outlets at location :		/	

<p>Unit Name :</p> <p><b>L.4.4 Breathing Air Recharge Compressor</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p>Located at :</p> <p>Located at :</p> <p><b>L.4.5 Compressed Air Breathing Apparatus Trolley Unit</b></p> <p>Positive pressure : yes/no</p> <p>Make/Type :</p> <p>Air line length : ft</p> <p>Compressed air bottles</p> <p>Quantity : no.</p> <p>Size : ft<sup>3</sup></p> <p>Including</p> <p>Face mask : yes/no</p> <p>Demand valve : yes/no</p> <p>Microphone : yes/no</p> <p>Safety harness : yes/no</p> <p>Safety line(incorporating phone line) : yes/no</p> <p><b>L.4.6 Air Purity Test Equipment</b></p> <p>Quantity : no.</p> <p>Make/Type :</p> <p><b>L.5 EMERGENCY FIRST AID EQUIPMENT</b></p> <p><b>L.5.1 First Aid Kits</b></p> <p>Quantity : no.</p> <p><b>L.5.2 Burn Kits</b></p> <p>Quantity : no.</p> <p><b>L.5.3 Resuscitators</b></p> <p>Quantity : no.</p> <p>Charged (spare) oxygen cylinders : no.</p> <p><b>L.5.4 Stretchers</b></p> <p>Quantity : no.</p> <p>Type :</p> <p>Located at :</p>			
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Unit Name :			
Quantity :	no.		
Type :			
Located at :			
Quantity :	no.		
Type :			
Located at :			
<b>L.6 HELIDECK RESCUE EQUIPMENT</b>			
<b>L.6.1 Storage Boxes</b>			
Quantity :	no.		
Construction material :			
Max height open :	in		
<b>L.6.2 Equipment</b>			
Aircraft axe :	yes/no		
Large firemans rescue axe :	yes/no		
Crowbar :	yes/no		
Heavy duty hacksaw :	yes/no		
Spare blades :	yes/no		
Grapple hook :	yes/no		
Length of wire rope attached :	ft		
Quick release knife :	yes/no		
Bolt croppers :	yes/no		
<b>L.7 RIG SAFETY STORE</b>			
Equipment to repair, recharge and restock safety equipment as listed below :			
Foam concentrate :	yes/no		
Dry chemical charges :	yes/no		
C02 charges for dry chemical extinguishers :	yes/no		
C02 charges for water extinguishers :	yes/no		
C02 charges for foam extinguishers :	yes/no		
Discharge hoses, control nozzles and horns and washers for C02 extinguishers :	yes/no		
Discharge hoses, control nozzles and horns and washers for dry chemical extinguishers:	yes/no		
Fire blankets :	yes/no		
Fireproof gloves :	yes/no		
Rubber gloves-elbow length :	yes/no		
Rubber aprons :	yes/no		
Rubber boots :	yes/no		
Full face visors :	yes/no		
Eye shields (for grinding machines, etc.) :	yes/no		
Dust masks :	yes/no		
Spare safety helmets, boots, overalls :	yes/no		
Gloves, hand torches, batteries, etc. :	yes/no		
Spare lifebuoys :	yes/no		

Unit Name :			
Spare lifebuoy lights :	yes/no		
Fresh air blowers/inductors for ventilating enclosed spaces :	yes/no		
Spare life jackets :	yes/no		
Safety belts c/w line :	yes/no		
Full safety harnesses :	yes/no		
Spare derrickman's safety belts :	yes/no		
Spare CABA bottles, charged :	yes/no		
<b>L.8 EMERGENCY WARNING ALARMS</b>			
Approved system to give warning of different emergencies :	yes/no		
<b>L.9 SURVIVAL EQUIPMENT</b>			
<b>L.9.1 Lifeboats</b>			
Make/Type :			
Quantity :	no.		
Capacity :	person/craft		
Locations (fore, aft, port, stbd) :			
Fire protection :	yes/no		
Radios :	yes/no		
Flares :	yes/no		
Food :	yes/no		
First aid kits :	yes/no		
Make/Type :			
Quantity :	no.		
Capacity :	person/craft		
Locations (fore, aft, port, stbd) :			
Fire protection :	yes/no		
Radios :	yes/no		
Flares :	yes/no		
Food :	yes/no		
First aid kits :	yes/no		
<b>L.9.2 Life Rafts</b>			
Make/Type :			
Quantity :	no.		
Capacity :	person/craft		
Davit launched :	yes/no		
Locations (fore, aft, port, stbd) :			
Fire protection :	yes/no		
Radios :	yes/no		
Flares :	yes/no		
Food :	yes/no		
First aid kits :	yes/no		

<p>Unit Name :</p> <p>Make/Type :</p> <p>Quantity : no.</p> <p>Capacity : person/craft</p> <p>Davit launched : yes/no</p> <p>Locations (fore, aft, port, stbd) :</p> <p>Fire protection : yes/no</p> <p>Radios : yes/no</p> <p>Flares : yes/no</p> <p>Food : yes/no</p> <p>First aid kits : yes/no</p> <p><b>L.9.3 Rescue Boat</b></p> <p>Make/Type :</p> <p>Engine power : hp</p> <p><b>L.9.4 Life Jackets</b></p> <p>Make/Type :</p> <p>Quantity : no.</p> <p><b>L.9.5 Life Buoys</b></p> <p>Make/Type :</p> <p>Quantity : no.</p> <p><b>L.9.6 Work Vests</b></p> <p>Make/Type :</p> <p>Quantity : no.</p> <p><b>L.9.7 Escape Ladders/Nets</b></p> <p>Make/Type :</p> <p>Quantity : no.</p> <p><b>L.9.8 Distress Signals</b></p> <p>Type :</p> <p>Quantity : no.</p>			
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<p>Unit Name :</p> <p><b>M. POLLUTION PREVENTION EQUIPMENT</b></p> <p><b>M.1 SEWAGE TREATMENT</b></p> <p>Make/Model : System type : Conforms to (Marpol Annex IV, etc.) :</p> <p><b>M.2 GARBAGE COMPACTION</b></p> <p>Make/Model : System type : Conforms to (Marpol Annex IV, etc.) :</p> <p>Make/Model : System type : Conforms to (Marpol Annex IV, etc.) :</p> <p><b>M.3 GARBAGE DISPOSAL/GRINDER</b></p> <p>Make/Model : System type : Conforms to (Marpol Annex IV, etc.) :</p>			
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