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ERRATA

The forms in Annexes A, B, C and D shall be replaced with the attached forms. A section for Corrosion has been added to each form.

MS Excel versions of these forms can also be found here:

http://mycommittees.api.org/standards/ecs/sc8/Committee%20Documents/Forms/AllItems.aspx

Annex A
(informative)

Drilling Mast Visual Inspection Form

The form in this annex is intended for free exchange between owners/operators of the equipment or users of this document.

Drilling Mast
Category III/IV - Visual Field Inspection Form

Type of inspection performed (check one box only):

☐ Category III Inspection ☐ Category IV Inspection

Mast—A structural tower comprised of one or more sections and then raised to the operating position. If the unit contains two or more sections, it may be telescoped or unfolded during the erection procedure.

PURPOSE & SCOPE OF INSPECTION: This report form and inspection procedure was developed as a guide for making and reporting field inspection in a thorough and uniform manner. The procedure is intended for use by operating personnel (or a designated representative) to the extent that its use satisfies conditions for which an inspection is intended. More detailed and critical inspections may be scheduled periodically, or ordered to supplement a program of these inspections; if masts are used in the upper range of their load limits, or if structures may have been subjected to critical conditions which could effect safe performance. This form is provided strictly as a guide, and the API accepts no liability whatsoever for its use or scope.

MARKING DAMAGE: At the time of inspection, damaged sections or equipment must be clearly and visibly marked so that needed repairs may be made. A bright, contrasting spray paint is suggested for this. When repairs are made, the visible markings should be removed by painting over them. It is also necessary for the inspector to write "None" when no damage markings are needed, as this is his indication that the item has passed inspection. It is recommended that inspection be made with assistance of manufacturer's assembly drawing and operating instructions. For items not accessible or that do not apply, draw a line through the item pertaining to the component.

Company: _____ Rig #: _____

Date: _____

Location: _____ Mast Manufacturer: _____

Date of Manufacture: _____

Manufacturer's Drawing Available for Use in Inspection: Yes: _____ No: _____

Manufacturer's Rating: _____ Height: _____

Mast Serial #: _____

Mast Type: Telescoping: _____ Cantilevered: _____

Mast Position: Disassembled: _____ Standing: _____ Lying down: _____

Mast Nameplate on Structure: Yes: _____ No: _____

Component Numbers Present: Yes: _____ No: _____

Inspected By: _____ Representing: _____

DRILLING MASTS

Items that do not need attention should be checked to indicate that the item was inspected. Items that are not applicable should be marked in the box as "NA" (not applicable). Items that are warped, worn, damaged, cracked welds, rusted, bent, in need of repair or replacement, or otherwise in need of further attention, mark an "**X**" in the box and provide comments on the inspected items.

✓	OK	**X1**	Requires immediate attention
NA	Not applicable	**X2**	Requires attention next move
U	Unable to access	**X3**	Requires attention next maintenance
M	Missing	**X4**	Requires attention when convenient

Provide comments regarding inspected items.

COMMENTS REGARDING INSPECTED ITEMS

1.0 Crown Assembly

Make/Model: _____

1.1 Sheaves

Number of Sheaves: _____ Main Cluster Sheave Diameter: _____

Fast Line Sheave Diameter: _____

Condition:

- [ ] Sheaves: _____
- [ ] Grooves in Gage: _____
- [ ] Spacers or Seals: _____
- [ ] Grease Fittings: _____
- [ ] Bearings: _____
- [ ] Drilling Line Guards:

1.2 Crown Platform

- [ ] Decking: _____
- [ ] Holes Covered: _____
- [ ] Safety Gate: _____
- [ ] Ladder Access: _____
- [ ] Handrails: _____
- [ ] Frame Straight: _____
- [ ] Welds: _____
- [ ] Bolts and Nuts: _____

1.3 Crown Support Beams:

- [ ] Beam Straight: _____
- [ ] Pins & Bolts: _____
- [ ] Safety Pins/Keepers: _____
- [ ] Welds: _____

1.4 Additional Sheave Assemblies in Crown:

Name: _____

- [ ] Condition: _____

1.5 Pad-eyes Under the Crown Platform:

- [ ] SWL Marked: _____
- [ ] Welds: _____
- [ ] Pin Holes _____

COMMENTS REGARDING INSPECTED ITEMS

1.6 Fall Arrest/Climbing Assist Device Mounting:
- ☐ Support Pole:
- ☐ Base:
- ☐ Sheave Attachment:
- ☐ Weight Bucket Attach:
- ☐ Welds:

1.7 Crown Saver Block(s):
- ☐ Safety Mesh:
- ☐ Safety Cable:
- ☐ Block(s) Condition:
- ☐ Attachment Strapping:
- ☐ Strapping Welds:

Number of Visible Marks Applied:

2.0 Mast Legs:

2.1 Front Leg, Drillers Side:
- ☐ Leg Straight:
- ☐ Pin Connections:
- ☐ Pin Hole(s):
- ☐ Pins:
- ☐ Safety Pins/Keepers:
- ☐ Welds:

2.2 Front Leg, Off Drillers Side:
- ☐ Leg Straight:
- ☐ Pin Connections:
- ☐ Pin Hole(s):
- ☐ Pins:
- ☐ Safety Pins/Keepers:
- ☐ Welds:

2.3 Rear Leg, Drillers Side:
- ☐ Leg Straight:
- ☐ Pin Connections:
- ☐ Pin Hole(s):
- ☐ Pins:
- ☐ Safety Pins / Keepers:
- ☐ Welds:

2.4 Rear Leg, Off Drillers Side:
- ☐ Leg Straight:
- ☐ Pin Connections:
- ☐ Pin Hole(s):
- ☐ Pin(s):
- ☐ Safety Pins/Keepers:
- ☐ Welds:

Number of Visible Marks Applied:

COMMENTS REGARDING INSPECTED ITEMS

3.0 Spreaders (Back Panel Trusses)

- ☐ Members Straight:
- ☐ Bolts:
- ☐ Pin/Bolt Hole(s):
- ☐ Pins:
- ☐ Safety Pins/Keepers:
- ☐ Welds:

Number of Visible Marks Applied:

4.0 Girt(s) and Bracing:

- ☐ Members Straight:
- ☐ Welds:

Number of Visible Marks Applied:

5.0 Mast Feet or Pivots

- ☐ Condition:
- ☐ Pin Hole(s):
- ☐ Pins:
- ☐ Safety Pins/Keepers:
- ☐ Welds:

Number of Visible Marks Applied:

6.0 Deadline Anchor Mounting: (Reference API RP 8B)

- ☐ Supports:
- ☐ Bolts:
- ☐ Anchor Mounting Welds:
- ☐ Brass Inserts:

Number of Visible Marks Applied:

7.0 A-Frame/Gin Pole

7.1 Driller's Side Legs:

- ☐ Leg Straight:
- ☐ Pin Hole(s):
- ☐ Pins:
- ☐ Safety Pins/Keepers:
- ☐ Welds:

7.2 Off Driller's Side Legs:

- ☐ Leg Straight:
- ☐ Pin Hole(s):
- ☐ Pins:
- ☐ Safety Pins/Keepers:
- ☐ Welds:

7.3 Spreaders or Trusses:

- ☐ Members:
- ☐ Welds:

7.4 Upper Connections:

- ☐ Members:
- ☐ Welds:

		COMMENTS REGARDING INSPECTED ITEMS
7.5	Lower Connections:	
☐	Pin Connections:	
☐	Pin Hole(s):	
☐	Pins:	
☐	Safety Pins/Keepers:	
☐	Welds:	
Number of Visible Marks Applied:		

See Section 10.0 for Raising Sheave Check List.

8.0	**Working Platforms:**	
8.1	Pipe Racking Platform:	
☐	Frame Straight:	
☐	Pin Hole(s):	
☐	Pins:	
☐	Safety Pins/Keepers:	
☐	Frame Welds:	
☐	Working Platform:	
☐	Landing Platform:	
☐	Handrails:	
☐	Ladder Access:	
☐	Fingers Straight:	
☐	Finger Welds:	
☐	Finger Safety Line(s):	
☐	Hoist Mounting:	
Number of Visible Marks Applied:		
8.2	Casing Stabbing Board:	
☐	Frame Straight:	
☐	Welds:	
☐	Handrails:	
☐	Working Platform:	
☐	Hoisting Assembly:	
☐	Hoist Mounting:	
☐	Lower Travel Stops:	
☐	Pin or Bolt Holes:	
☐	Pins or Bolts:	
☐	Safety Pins/Keepers:	
Number of Visible Marks Applied:		
8.3	Tubing Support/Belly Board:	
☐	Frame Straight:	
☐	Welds:	
☐	Handrails:	
☐	Pin Holes:	
☐	Pins:	
☐	Safety Pins/Keepers:	
☐	Support Cables:	
☐	Cable Connections:	
Number of Visible Marks Applied:		

COMMENTS REGARDING INSPECTED ITEMS

9.0 Ladders:

- ☐ Vertical Rails Straight:
- ☐ Rails in Alignment:
- ☐ Ladder Stand Offs:
- ☐ Stand Off Connections:
- ☐ Rail Welds:
- ☐ Rungs:
- ☐ Rung Welds:
- ☐ Rung Spacing:
- ☐ Access at Rig Floor:
- ☐ Cage:
- ☐ Toe Clearance:

Number of Visible Marks Applied:

10.0 Raising and Telescoping System

10.1 Raising Line System—Refer to API Spec 9B, for Specifications:

- ☐ Wireline:
- ☐ Wireline—Sockets:
- ☐ Pins:
- ☐ Safety Pins/Keepers:
- ☐ Sheaves Turn Freely:
- ☐ Sheaves:
- ☐ Grooves in Gage:
- ☐ Spacers or Seals
- ☐ Grease Fittings:
- ☐ Bearings:
- ☐ Line Guards:
- ☐ Welds:
- ☐ Equalizer Assembly:

Number of Visible Marks Applied:

10.2 Hydraulic or Telescoping System:

Hydraulic Cylinders—Raising:

- ☐ Seals:
- ☐ Main Ram:
- ☐ Cylinder Hinge Points:
- ☐ Hinge Pin Hole(s):
- ☐ Hinge Pins:
- ☐ Safety Pins/Keepers:
- ☐ Hydraulic Hoses:
- ☐ Hose Connections:
- ☐ Bleed Valve:

Hydraulic Cylinder(s) Telescoping:

- ☐ Seals:
- ☐ Main Ram:
- ☐ Cylinder Hinge Points:
- ☐ Pin Hole(s):
- ☐ Pins:
- ☐ Safety Pins/Keepers:
- ☐ Hydraulic Hoses:
- ☐ Hose Connections:
- ☐ Cylinder Stabilizers:
- ☐ Bleed Valve:
- ☐ Lubrication:

	COMMENTS REGARDING INSPECTED ITEMS
Mast Guides:	
☐ Cleaned:	
☐ Lubricated:	
Number of Visible Marks Applied:	

11.0 Locking Device & Seats—Telescoping Masts:

☐ Pin Hole(s):	
☐ Pins:	
☐ Safety Pins/Keepers:	
☐ Bars/Dogs or Pawls:	
☐ Seats:	
☐ Mechanism:	
Number of Visible Marks Applied:	

12.0 Tong Counterweights:

☐ Guides:	
☐ Weight Device:	
☐ Sheaves/Shafts:	
☐ Wirelines:	
☐ Cable Clamps:	
☐ Welds:	
Number of Visible Marks Applied:	

13.0 Miscellaneous Sheave Assemblies:

☐ Clevis/Shackle:	
☐ Mast Pad-eye:	
☐ Sheaves:	
☐ Bearings:	
☐ Shafts:	
☐ Sheave Bolt:	
☐ Side Plate Bolts:	
☐ Bolt Safety Pins:	
☐ Grease Fittings:	
☐ Safety Line:	

14.0 Mast Boom Assembly:

☐ Mounting Brackets:	
☐ Sheaves:	
☐ Boom Pole:	
☐ Support Cable/Clamps:	
☐ Bolts/Nuts:	
☐ Sheave Shaft:	
☐ Bolt Safety Pins:	
☐ Grease Fittings:	
Number of Visible Marks Applied:	

15.0 Ancillary Equipment:

15.1 Mud Line Clamps:

☐ Pipe Clamps:	
☐ Leg Clamps:	
☐ Welds:	
☐ Bolts/Nuts:	

COMMENTS REGARDING INSPECTED ITEMS

15.2 Gas Vent Line Clamps:
- ☐ Pipe Clamps:
- ☐ Leg Clamps:
- ☐ Welds:
- ☐ Bolts/Nuts:

15.3 Climber Assist System: (See User's Manual for Specific Inspection Requirements)
- ☐ Cable:
- ☐ Cable Attachments:
- ☐ Counter Weight:
- ☐ Sheave/Control Descent Device:

15.4 Fall Arrest System: (See User's Manual for Specific Inspection Requirements)
- ☐ Cable:
- ☐ Cable Attachments:
- ☐ Device Attachment:
- ☐ Sheave/Control Descent Device:

15.5 Mast Escape Device: (See User's Manual for Specific Inspection Requirements)
- ☐ Mast Attachment:
- ☐ Cable:
- ☐ Device Condition:

15.6 Windwalls/Frames and Attachments
- ☐ Frame Condition:
- ☐ Frame Welds:
- ☐ Frame Bolts/Pins
- ☐ Metal Wall Sections:

15.7 Topdrive Mounting System:
- ☐ Rail(s):
- ☐ Pad-eyes:
- ☐ Mounting Brackets:
- ☐ Pins/Bolts:
- ☐ Safety Pins/Keepers:
- ☐ Cables:
- ☐ Block Dollies:
- ☐ Welds:

16.0 Corrosion (refer to Section 7.2):

17.0 Paint/Coating

☐ Condition:

18.0 Comments, Sketches, and/or Pictures:

Inspector's Signature **Date:**

Owner Representative Signature: **Date:**

Annex B
(informative)

Well Servicing Masts Visual Inspection Form

The form in this annex is intended for free exchange between owners/operators of the equipment or users of this document.

Well Servicing Masts (Guyed, Carrier\Trailer Mounted)
Category III/IV - Visual Field Inspection Form

Type of inspection performed (check one box only):

☐ Category III Inspection ☐ Category IV Inspection

PURPOSE & SCOPE OF INSPECTION: This report form and inspection procedure was developed as a guide for making and reporting field inspection in a thorough and uniform manner. The procedure is intended for use by operating personnel (or a designated representative) to the extent that its use satisfies conditions for which an inspection is intended. More detailed and critical inspections may be scheduled periodically, or ordered to supplement a program of these inspections; if masts are used in the upper range of their load limits, or if structures may have been subjected to critical conditions which could effect safe performance. This form is provided strictly as a guide, and the API accepts no liability whatsoever for its use or scope.

MARKING DAMAGE: At the time of inspection, damaged sections or equipment must be clearly and visibly marked so that needed repairs may be made. A bright, contrasting spray paint is suggested for this. When repairs are made, the visible markings should be removed by painting over them. It is also necessary for the inspector to write "None" when no damage markings are needed, as this is his indication that the item has passed inspection. It is recommended that inspection be made with assistance of manufacturer's assembly drawing and operating instructions. For items not accessible or that do not apply, draw a line through the item pertaining to the component.

Company: _____ Rig #: _____

Date: _____

Location: _____ Mast Manufacturer: _____

Manufacturer's Drawing Available for Use in Inspection: Yes: _____ No: _____

Manufacturer's Rating: _____ Height: _____

Mast Serial #: _____

Mast Type: One Piece _____ Telescoping _____ Folding _____

Mast Position: Standing _____ Lying down _____ Disassembled _____

Mast Nameplate on Structure: Yes: _____ No: _____

Inspected By: _____ Representing: _____

GUYED MAST

Items that do not need attention should be checked to indicate that the item was inspected. Items that are not applicable should be marked in the box as "NA" (not applicable). Items that are warped, worn, damaged, cracked welds, rusted, bent, in need of repair or replacement, or otherwise in need of further attention, mark an "**X**" in the box and provide comments on the inspected items.

✓	OK	X1	Requires immediate attention	Provide comments regarding inspected items.
NA	Not applicable	X2	Requires attention next move	
U	Unable to access	X3	Requires attention next maintenance	
M	Missing	X4	Requires attention when convenient	

COMMENTS REGARDING INSPECTED ITEMS

1.0 Crown Assembly

1.1 Sheaves

Number of Sheaves: _____ Main Cluster Sheave Diameter: _____

Hoisting Line Size: _____ Fast Line Sheave Diameter: _____

Condition:

	Main Sheaves:	
	Fastline Sheaves:	
	Sandline Sheaves:	
	Grooves in Gage:	
	Bearings:	
	Seals:	
	Line Guards:	
	Grease Fittings:	
	Center Pin Locks:	
	Winch Line Sheaves:	
	Retracting Line Sheaves:	
	Sheave Material Type:	Cast Iron _____ Fab Steel _____ Phenolic Resin _____

Number of Visible Marks Applied: _____

2.0 Crown Block Structure

	Crown Railing:	
	Crown Frame:	
	Safety Gate:	
	Guyline Support Eyes:	
	Loadline Support Eyes:	
	Sheave Pedestal Mounts:	
	Crown Decking:	
	Fall Protection Mount:	
	Fall Protection Device:	

Number of Visible Marks Applied: _____

3.0 Upper Mast Section

	Operator's Side Front Leg:	
	Operator's Side Rear Leg:	
	Off Side Front Leg:	
	Off Side Rear Leg:	
	C Sections:	
	Diagonal Bracing:	
	Back Bracing:	
	Rod Basket Mounts:	
	Tubing Board Mounts:	
	Upper Latch Assembly (Lo	
	Cotter Keys in Place:	
	Ram Stabilizers:	
	Mast Lighting Mounts:	

Number of Visible Marks Applied: _____

COMMENTS REGARDING INSPECTED ITEMS

4.0 Lower Mast Section

- [ ] Operator's Side Front Leg:
- [ ] Operator's Side Rear Leg:
- [ ] Off Side Front Leg:
- [ ] Off Side Rear Leg:
- [ ] C Sections:
- [ ] Diagonal Bracing:
- [ ] Back Bracing:
- [ ] Lower Latch Assembly (Lock):
- [ ] Cotter Keys in Place:
- [ ] Mast Hinge Points:
- [ ] Stand Pipe Mounts:
- [ ] Block Hanging Assembly:
- [ ] Leg Adjustment Screws:
- [ ] Rating Tags in Place:
- [ ] Telescoping Cylinder Stabilizers:

Number of Visible Marks Applied:

5.0 Tubing Board

- [ ] Tubing Board Frame:
- [ ] Frame Hinge Points:
- [ ] Tail Gate Hinge Points:
- [ ] Left Support Line Anchor:
- [ ] Right Support Line Anchor:
- [ ] Diving Board:
- [ ] Hand Rails:
- [ ] Fingers:
- [ ] Safety Cables on Fingers:
- [ ] Support Cables:

Number of Visible Marks Applied:

6.0 Rod Basket

- [ ] Rod Basket Frame:
- [ ] Rod Racks (fingers):
- [ ] Load Line Anchor Points:
- [ ] Rod Rack Hinge Points:
- [ ] Support Cables:

Number of Visible Marks Applied:

7.0 Pipe Racking Platform (Drilling Applications):

- [ ] Frame Straight:
- [ ] Pin Hole(s):
- [ ] Pins
- [ ] Safety Pins/Keepers:
- [ ] Frame Welds:
- [ ] Working Platform:
- [ ] Landing Platform:
- [ ] Handrails:
- [ ] Ladder Access:
- [ ] Fingers Straight:
- [ ] Finger Welds:
- [ ] Finger Safety Line(s):
- [ ] Hoist Mounting:

Number of Visible Marks Applied:

COMMENTS REGARDING INSPECTED ITEMS

8.0 Base Mast Section

- ☐ Base Section Structure:
- ☐ Diagonal Supports:
- ☐ Turnbuckles:
- ☐ Hinge Points:
- ☐ Push Points:
- ☐ Mast Locking Device:
- ☐ Support Beam:
- ☐ Angle Adjustment Screws:
- ☐ Load Adjustment Screws:

Number of Visible Marks Applied:

9.0 Main Hydraulic Ram/Raising Cylinder
(Shall be inspected during rig-up/rig-down operation.)

- ☐ Cylinder Hinge Points:
- ☐ Hydraulic Connections:
- ☐ Hydraulic Hoses:
- ☐ Hinge Pins:
- ☐ Retaining Pins or Locks:
- ☐ Main Ram:
- ☐ Seals:
- ☐ Bleed Valve:

10.0 Telescoping Hydraulic Ram/Cylinder

- ☐ Cylinder Push Points:
- ☐ Hydraulic Connections:
- ☐ Hydraulic Hoses:
- ☐ Connecting Pins:
- ☐ Retaining Pins or Locks:
- ☐ Telescoping Ram:
- ☐ Seals:
- ☐ Bleed Valve:

11.0 Ladders:

- ☐ Vertical Rails Straight:
- ☐ Rails In Alignment:
- ☐ Ladder Stand Offs:
- ☐ Stand Off Connections:
- ☐ Rail Welds:
- ☐ Rungs/Welds:
- ☐ Rung Spacing:
- ☐ Access at Rig Floor:
- ☐ Toe Clearance:

Number of Visible Marks Applied:

12.0 Tong Counterweights (Drilling Applications):

- ☐ Guides:
- ☐ Weight Device:
- ☐ Sheaves/Shafts:
- ☐ Wirelines:
- ☐ Cable Clamps:
- ☐ Welds:

Number of Visible Marks Applied:

COMMENTS REGARDING INSPECTED ITEMS

13.0 Miscellaneous Sheave Assemblies:

- ☐ Clevis/Shackle:
- ☐ Mast Pad-eye:
- ☐ Sheaves:
- ☐ Bearings:
- ☐ Shafts:
- ☐ Sheave Bolt:
- ☐ Side Plate Bolts:
- ☐ Bolt Safety Pins:
- ☐ Grease Fittings:
- ☐ Safety Line:

Number of Visible Marks Applied:

14.0 Carrier Components

- ☐ Dead Line Anchor:
- ☐ Rear Jack Beam:
- ☐ Front Jack Beam:
- ☐ Load Line Tiedowns:
- ☐ Load Line Turnbuckles:
- ☐ Load Line Condition:
- ☐ Load Line Size:
- ☐ Tubing Line Condition:
- ☐ Proper Jack Stands:

Number of Visible Marks Applied:

15.0 Corrosion (refer to Section 7.2):

16.0 Paint /Coating

- ☐ Condition:

17.0 Should additional inspection or NDT be performed? _____ If so, please explain: _____

18.0 Special Comments and/or Pictures:

Inspector's Signature: _____ **Date:** _____

Owner Representative Signature: _____ **Date:** _____

Annex C
(informative)

Drilling Derrick Visual Inspection Form

The form in this annex is intended for free exchange between owners/operators of the equipment or users of this document.

Drilling Derrick
Category III / IV - Visual Field Inspection Form

Type of inspection performed (check one box only):

☐ Category III Inspection ☐ Category IV Inspection

Derrick—A semi-permanent structure of square or rectangular cross-section having members that are latticed or trussed on all four sides. This unit must be assembled in the vertical or operation position, as it includes no erection mechanism.

PURPOSE & SCOPE OF INSPECTION: This report form and inspection procedure was developed as a guide for making and reporting field inspection in a thorough and uniform manner. The procedure is intended for use by operating personnel (or a designated representative) to the extent that its use satisfies conditions for which an inspection is intended. More detailed and critical inspections may be scheduled periodically, or ordered to supplement a program of these inspections; if derricks are used in the upper range of their load limits, or if structures may have been subjected to critical conditions which could effect safe performance. This form is provided strictly as a guide, and the API accepts no liability whatsoever for its use or scope.

MARKING DAMAGE: At the time of inspection, damaged sections or equipment must be clearly and visibly marked so that needed repairs may be made. A bright, contrasting spray paint is suggested for this. When repairs are made, the visible markings should be removed by painting over them. It is also necessary for the inspector to write "None" when no damage markings are needed, as this is his indication that the item has passed inspection. It is recommended that inspection be made with assistance of manufacturer's assembly drawing and operating instructions. For items not accessible or that do not apply, draw a line through the item pertaining to the component.

Company: _____ Rig #: _____

Date: _____

Location: _____ Derrick Manufacturer: _____

Date of Manufacture: _____

Manufacturer's Drawing Available for Use in Inspection: Yes: _____ No: _____

Manufacturer's Rating: _____ Height: _____

Derrick Serial #: _____

Derrick Type: Bolted ____ Welded _____

Type Rig: Platform ____ Jackup _____ Submersible _____

Semi-submersible ____ Drill Ship _____

Nameplate on Structure: Yes: ____ No: _____

Component Numbers Present: Yes: ____ No: _____

Inspected By: _____ Representing: _____

DERRICK

Items that do not need attention should be checked to indicate that the item was inspected. Items that are not applicable should be marked in the box as "NA" (not applicable). Items that are warped, worn, damaged, cracked welds, rusted, bent, in need of repair or replacement, or otherwise in need of further attention, mark an "**X**" in the box and provide comments on the inspected items.

✓	OK	X1	Requires immediate attention	Provide comments regarding inspe
NA	Not applicable	X2	Requires attention next move	
U	Unable to access	X3	Requires attention next maintenance	
M	Missing	X4	Requires attention when convenient	

COMMENTS REGARDING INSPECTED ITEMS

1.0 Crown Assembly

Make/Model: _____

1.1 Sheaves

Number of Sheaves: _____ Main Cluster Sheave Dia: _____

Fast Line Sheave Dia: _____

Condition:

	Sheaves:	
	Grooves in Gage:	
	Spacers or Seals:	
	Grease Fittings:	
	Bearings:	
	Drilling Line Guards:	

1.2 Crown Platform

	Decking:	
	Holes Covered:	
	Safety Gate:	
	Ladder Access:	
	Handrails:	
	Frame Straight:	
	Welds:	
	Bolts and Nuts:	

1.3 Crown Support Beams:

	Beam Straight:	
	Pins & Bolts:	
	Safety Pins/Keepers:	
	Welds:	

1.4 Additional Sheave Assemblies in Crown:

Name: _____

	Condition:	

1.5 Pad-eyes Under the Crown Platform:

	SWL Marked:	
	Welds:	
	Pin Holes	

COMMENTS REGARDING INSPECTED ITEMS

1.6 Fall Arrest/Climbing Assist Device Mounting:
- ☐ Support Pole: _____
- ☐ Base: _____
- ☐ Sheave Attachment: _____
- ☐ Weight Bucket Attach.: _____
- ☐ Welds: _____

1.7 Crown Saver Block(s):
- ☐ Safety Mesh: _____
- ☐ Safety Cable: _____
- ☐ Block(s) Condition: _____
- ☐ Attachment Strapping: _____
- ☐ Strapping Welds: _____

1.8 A-Frame/Gin Pole:
- ☐ Frame Legs: _____
- ☐ Bolt Connections: _____
- ☐ Welds: _____
- ☐ Access Platform: _____
- ☐ Ladder: _____
- ☐ Pad-eyes: _____

1.9 Top Beams/Water Table:
- ☐ Frame: _____
- ☐ Welds: _____
- ☐ Bolt Connections: _____

Number of Visible Marks Applied: _____

2.0 Derrick Legs:

2.1 Front Leg, Drillers Side:
- ☐ Leg Straight: _____
- ☐ Bolt Connections: _____
- ☐ Splice Connections: _____
- ☐ Welds: _____

2.2 Front Leg, Off Drillers Side:
- ☐ Leg Straight: _____
- ☐ Bolt Connections: _____
- ☐ Splice Connections: _____
- ☐ Welds: _____

2.3 Rear Leg, Drillers Side:
- ☐ Leg Straight: _____
- ☐ Bolt Connections: _____
- ☐ Splice Connections: _____
- ☐ Welds: _____

2.4 Rear Leg, Off Drillers Side:
- ☐ Leg Straight: _____
- ☐ Bolt Connections: _____
- ☐ Splice Connections: _____
- ☐ Welds: _____

Number of Visible Marks Applied: _____

COMMENTS REGARDING INSPECTED ITEMS

3.0 Girts & Braces:

- ☐ Members Straight:
- ☐ Bolt Connections:
- ☐ Welds:

Number of Visible Marks Applied:

5.0 Pedestals, Base Plates:

- ☐ Condition:
- ☐ Anchor Bolts:
- ☐ Welds:

Number of Visible Marks Applied:

6.0 Working Platforms:

6.1 Pipe Racking Platform:

- ☐ Frame Straight:
- ☐ Pin Hole(s):
- ☐ Pins
- ☐ Safety Pins/Keepers:
- ☐ Frame Welds:
- ☐ Working Platform:
- ☐ Landing Platform:
- ☐ Handrails:
- ☐ Ladder Access:
- ☐ Fingers Straight:
- ☐ Finger Welds:
- ☐ Finger Safety Line(s)
- ☐ Hoist Mounting:

Number of Visible Marks Applied:

6.2 Casing Stabbing Board:

- ☐ Frame Straight:
- ☐ Welds:
- ☐ Handrails:
- ☐ Working Platform:
- ☐ Hoisting Assembly*:
- ☐ Hoist Mounting:
- ☐ Lower Travel Stops:
- ☐ Pin or Bolt Holes:
- ☐ Pins or Bolts:
- ☐ Safety Pins/Keepers:
- ☐ Ladder Access:

Number of Visible Marks Applied:

*** See user's manual for specific inspection requirements.**

6.3 Tubing Support/Belly Board:

- ☐ Frame Straight:
- ☐ Welds:
- ☐ Handrails:
- ☐ Pin Holes:
- ☐ Pins:
- ☐ Safety Pins/Keepers:

Number of Visible Marks Applied:

COMMENTS REGARDING INSPECTED ITEMS

6.4 Fourble Platform:

- ☐ Handrails:
- ☐ Decking:
- ☐ Bolt Connections:
- ☐ Welds:
- ☐ Safety Gates:

Number of Visible Marks Applied:

7.0 Ladders:

- ☐ Vertical Rails Straight:
- ☐ Rails in Alignment:
- ☐ Ladder Stand Offs:
- ☐ Stand Off Connections:
- ☐ Rail Welds:
- ☐ Rungs:
- ☐ Rung Welds:
- ☐ Rung Spacing:
- ☐ Access at Rig Floor:
- ☐ Cage:
- ☐ Toe Clearance:

Number of Visible Marks Applied:

8.0 Tong Counterweights:

- ☐ Guides:
- ☐ Weight Device:
- ☐ Sheaves:
- ☐ Wirelines:
- ☐ Cable Clamps:
- ☐ Welds:

Number of Visible Marks Applied:

9.0 Miscellaneous Sheave Assemblies:

- ☐ Clevis/Shackle:
- ☐ Derrick Pad-eye:
- ☐ Sheaves:
- ☐ Bearings:
- ☐ Shafts:
- ☐ Sheave Bolt:
- ☐ Side Plate Bolts:
- ☐ Bolt Safety Pins:
- ☐ Grease Fittings
- ☐ Safety Line:

10.0 Ancillary Equipment:

10.1 Mud Line Clamps

- ☐ Pipe Clamps:
- ☐ Leg Clamps:
- ☐ Welds:
- ☐ Bolts/Nuts:

COMMENTS REGARDING INSPECTED ITEMS

10.2 Gas Vent Line Clamps:
- ☐ Pipe Clamps:
- ☐ Leg Clamps:
- ☐ Welds:
- ☐ Bolt/Nuts:

10.3 Climber Assist System: (See User's Manual for specific inspection requirements.)
- ☐ Cable:
- ☐ Cable Attachments:
- ☐ Counter Weight:
- ☐ Sheave/Control Descent Device:

10.4 Fall Arrest System: (See User's Manual for specific inspection requirements.)
- ☐ Cable:
- ☐ Cable Attachments:
- ☐ Device Attachment:
- ☐ Sheave/Control Descent Device:

10.5 Derrick Escape Device: (See User's Manual for specific inspection requirements.)
- ☐ Derrick Attachment:
- ☐ Cable:
- ☐ Device Condition:

10.6 Windwalls, Heat Shields, Frames and Attachments
- ☐ Frame Condition:
- ☐ Frame Welds:
- ☐ Frame Bolts/Pins:
- ☐ Metal Wall Sections:

10.7 Topdrive Mounting System:
- ☐ Rail(s)
- ☐ Pad-eyes:
- ☐ Mounting Brackets:
- ☐ Pins/Bolts:
- ☐ Safety Pins/Keepers:
- ☐ Cables:
- ☐ Block Dollies:
- ☐ Welds:

10.8 V-door Rollers/Guides
- ☐ Rollers:
- ☐ Grease Fittings:
- ☐ Welds:
- ☐ Bolts & Nuts:
- ☐ Brackets:

11.0 Corrosion (refer to Section 7.2):

12.0 Paint / Coating

☐ Condition:

13.0 Comments, Sketches, and/or Pictures:

Inspector's Signature: **Date:**

Owner Representative Signature: **Date:**

Annex D
(informative)

Substructure Visual Inspection Form

The form in this annex is intended for free exchange between owners/operators of the equipment or users of this document.

Substructure
Category III/IV - Visual Field Inspection Form

Type of inspection performed (check one box only):

☐ Category III Inspection ☐ Category IV Inspection

PURPOSE & SCOPE OF INSPECTION: This report form and inspection procedure was developed as a guide for making and reporting field inspection in a thorough and uniform manner. The procedure is intended for use by operating personnel (or a designated representative) to the extent that its use satisfies conditions for which an inspection is intended. More detailed and critical inspections may be scheduled periodically, or ordered to supplement a program of these inspections; if substructures are used in the upper range of their load limits, or if structures may have been subjected to critical conditions which could effect safe performance. This form is provided strictly as a guide, and the API accepts no liability whatsoever for its use or scope.

MARKING DAMAGE: At the time of inspection, damaged sections or equipment must be clearly and visibly marked so that needed repairs may be made. A bright, contrasting spray paint is suggested for this. When repairs are made, the visible markings should be removed by painting over them. It is also necessary for the inspector to write "None" when no damage markings are needed, as this is his indication that the item has passed inspection. It is recommended that inspection be made with assistance of manufacturer's assembly drawing and operating instructions. For items not accessible or that do not apply, draw a line through the item pertaining to the component.

Company: _____ Rig #: _____
Date: _____
Location: _____ Manufacturer: _____

Date of Manufacture: _____

Manufacturer's Rating: _____ Height: _____

Substructure Serial #: _____

Substructure Type: Box on Box _____ Self Elevating _____
Telescoping _____ Offshore _____

Substructure Position: Elevated: _____ Lowered: _____ Disassembled: _____

Manufacturer's Drawing Available: Yes: _____ No: _____

Assembly Drawings Used in Inspection: Yes: _____ No: _____

Nameplate on Structure: Yes: _____ No: _____

Component Numbers Present: Yes: _____ No: _____

Inspected By: _____ Representing: _____

SUBSTRUCTURES

Items that do not need attention should be checked to indicate that the item was inspected. Items that are not applicable should be marked in the box as "NA" (not applicable). Items that are warped, worn, damaged, cracked welds, rusted, bent, in need of repair or replacement, or otherwise in need of further attention, mark an "**X**" in the box and provide comments on the inspected items.

✓	OK	**X1**	Requires immediate attention
NA	Not applicable	**X2**	Requires attention next move
U	Unable to access	**X3**	Requires attention next maintenance
M	Missing	**X4**	Requires attention when convenient

Provide comments regarding inspected items.

		COMMENTS REGARDING INSPECTED ITEMS
1.0	**Shoes, Pedestals:**	
	Pin Connections:	
	Pin Holes:	
	Bolt Connections:	
	Bolt Holes:	
	Pins/Bolts:	
	Safety Pins:	
	Support Beams:	
	Welds:	
Number of Visible Marks Applied:		

2.0	**Floor Area:**	
	Floor Plates:	
	Handrails & Toe Boards:	
	Handrail Connections:	
	Setback Material:	
	Floor Bracing:	
	Welds:	
Number of Visible Marks Applied:		

3.0	**Sub-Spreaders and Rotary Beams:**	
	Rotary Beams:	
	Spreaders:	
	Pin Connections:	
	Pin Holes:	
	Pins:	
	Pad-eyes:	
	Welds:	
Number of Visible Marks Applied:		

4.0	**Deadline Anchor Mounting:**	
	Supports:	
	Bolts:	
	Flooring:	
	Breakover Assembly:	
	Handrails:	
	Welds:	
Number of Visible Marks Applied:		

	COMMENTS REGARDING INSPECTED ITEMS
5.0 Substructure Components:	
☐ Beams Straight:	
☐ Cross Braces:	
☐ Pin/Bolt Holes:	
☐ Pin/Bolts:	
☐ Safety Pins:	
☐ Pull Back Posts:	
☐ Drawworks Tiedowns:	
☐ Welds:	
☐ BOP Anchor Pad-eyes:	
☐ Pad-eyes:	
Number of Visible Marks Applied:	
6.0 Engine Foundation:	
☐ Support Beams:	
☐ Cross Braces:	
☐ Pin/Bolt Holes:	
☐ Pins/Bolts:	
☐ Safety Pins:	
☐ Pad-eyes:	
Number of Visible Marks Applied:	
7.0 Engine Foundation Spreaders:	
☐ Beams:	
☐ Cross Braces:	
☐ Pins / Bolt Holes:	
☐ Pins / Bolts:	
☐ Safety Pins:	
☐ Welds:	
Number of Visible Marks Applied:	
8.0 BOP Trolley Beams:	
☐ Beams:	
☐ Pin Holes:	
☐ Pins:	
☐ Safety Pins:	
☐ Welds:	
Number of Visible Marks Applied:	
9.0 Raising Equipment:	
☐ Pin Connections:	
☐ Pin Holes:	
☐ Pins:	
☐ Wirelines:	
☐ Sheaves:	
☐ Bearings:	
☐ Seals:	
☐ Grease Fittings:	
☐ Hydraulic Winches:	
☐ Hydraulic Cylinders:	
☐ Hydraulic Hoses:	
☐ Cylinder Hinge:	
Number of Visible Marks Applied:	

COMMENTS REGARDING INSPECTED ITEMS

10.0 Stairs/Landings/Flooring/Handrails:

- ☐ Welds:
- ☐ Pin/Bolt Holes:
- ☐ Pins/Bolts:
- ☐ Floor Plating:
- ☐ Stair Tread Spacing:
- ☐ Handrail Sockets:

Number of Visible Marks Applied:

11.0 Paint/Coating

- ☐ Condition:

12.0 Skidding Equipment

- ☐ Pad-eyes:
- ☐ Pins:
- ☐ Beam Clamps:
- ☐ Jacks:
- ☐ Jacking Motors:
- ☐ Jacking Rack:

13.0 Corrosion (refer to Section 7.2):

14.0 Comments, Drawings, and/or Pictures:

Inspector's Signature: _____ **Date:** _____

Owner Representative Signature: _____ **Date:** _____