

RIG INSPECTION SERVICES



GAMMA
PETROLEUM
SERVICES

GPS is providing the following kinds of inspection to Drilling / Work over Rigs and affiliates:
Full package rig inspection (including CAT.4).

To make
full inspection to
the rig parts / equipment
according to

API 4F

Specification for Drilling and Well Servicing Structures.

API 4G

Operation, Inspection, Maintenance, and Repair of Drilling and Well Servicing Structures.

API 5D

Specification for Drill Pipe

API 7K

Drilling and Well Servicing Equipment

API 7L

Procedures for Inspection, Maintenance, Repair, and Remanufacture of Drilling Equipment.

API 8A

Specification for Drilling and Production Hoisting Equipment.

API RP 8B

Recommended Practice for Procedures for Inspections, Maintenance, Repair and Remanufacture of Hoisting Equipment.

API 8C

Drilling and Production Hoisting Equipment (PSL 1 and PSL 2)

API 9A

Specification for Wire Rope

API RP 7G -2

Specification for Control Systems for Drilling Well Control Equipment and Control Systems for Diverter Equipment.

API spec 7

Specification for Rotary Drill Stem Elements

ASTM E 213

Standard Practice for Ultrasonic Examination of Metal Pipe Tubing.

ASTM 317

Standard Practice for Evaluating Performance Characteristics of Ultrasonic Pules-Echo Testing Systems Without the Use of Electronic Measurement Instruments.

ASTM E 570

Standard Practice for Flux Leakage Examination of Ferro Magnetic Steel Tubular Product.

ASTM E 709

Standard Guide for Magnetic Particle Inspection.

ASTM E 1316

Standard Terminology for Non Destructive Examination.

ASTM E 1324

Standard Guide for Measuring Some Electronic Characteristics of Ultrasonic Examination Instruments.

ASTM E 1359

Standard Guide for Evaluating Capabilities of Non Destructive Testing Agencies.

ASTM E 1065

Standard Guide for Evaluating Characteristics of Ultrasonic Search Units.

ASTM RP 8B

Hoisting Equipment.

DS -1™

TH Hill Standard Drill Stem Design and Inspection.

EMQSP 6.5

Company SEA, MPI and Full Body Inspection System Prove-up.

EMQSP 6.9

Company Full-Length Pipe Body Inspection.

ISO TS 29001

Petroleum, Petrochemical and Natural Gas Industries – Sector Specific Quality Management Systems Requirements for product and Service Supply Organizations.

ISO 4309 & 4310

Crane-Teat Code and Procedures crane-wire rope-Care and Maintenance

ISO 9927-1&3

Crane-Inspection Part 1

BSI

British Standard Inspection.

NS-2

Drill String Inspection Standard , Fernley Proctor Group.

IEC 60079-10-1 ed1.0 (2008-12)

TC/SC 31J Explosive atmospheres Part 10-1: Classification of areasExplosive gas atmospheres.

IEC 60079-10-2 ed2.0 (2015-01)

TC/SC 31J Explosive atmospheres Part 10-2: Classification of areas Explosive dust atmospheres.

IEC 60079-14 ed5.0 (2013-11)

TC/SC 31J Explosive atmospheres Part 14: Electrical installations design, selection and erection.

IEC 60079-17 ed5.0 (2013-11)

TC/SC 31J Explosive atmospheres - Part 17: Electrical installations inspection and maintenance .

Gamma Petroleum Services

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RIG INSPECTION PARTS

- 1- Crown Block and Water Table
- 2- Cat line Boom and Hoist Line
- 3- Drilling Line
- 4- Monkey board
- 5- Traveling Block
- 6- Top Drive
- 7- Mast
- 8- Drill Pipe
- 9- Doghouse
- 10- Blowout Preventer
- 11- Water Tank
- 12- Electric Cable Tray
- 13- Engine Generator Sets
- 14- Fuel Tanks
- 15- Electric Control House
- 16- Mud Pump
- 17- Bulk Mud Components Storage
- 18- Mud Pits

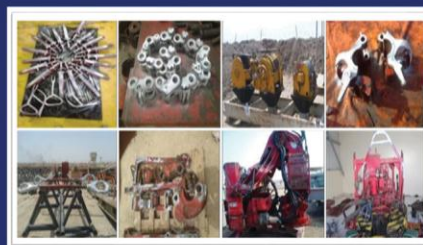
- 19- Reserve Pits
- 20- Mud Gas Separator
- 21- Shale Shaker
- 22- Choke Manifold
- 23- Pipe Ramp
- 24- Pipe Racks
- 25- Accumulator
- 26- Annulus
- 27- Brake Bands
- 28- Casing Head
- 29- Cathead
- 30- Catwalk
- 31- Cellar
- 32- Conductor Pipe



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FULL RIG INSPECTION

FLOOR TOOLS. TO BE INCLUDED:



Power tong, casing tong, manual tong, elevator, slips, elevator link, chains, air winch, hydraulic winch, man-riding, load cell .



Pipe Racks,
DP/DC/stabilizer/cross-over/sub/BHA,
Baskets , Rig Tools Baskets



All containers, Caravans, Fuel Tanks.

MAST TO BE INCLUDED



Crown Block, shelves,
Rig Mast Sections, Derrick,
Floor, Sub Structure, travel block,
TDS, rising line, BOP crane trolley,
cat line, stairs , V-Door, escape line



MUD SYSTEM. TO BE INCLUDED:



WELL CONTROL SYSTEM. TO BE INCLUDED:



Accumulator, BOP's, Chock Manifold,
Hydraulic system ...etc.

DRAW WORKS SYSTEM.



DEAD LINE ANCHOR.



Kelly, Rotary table system, Swivel.

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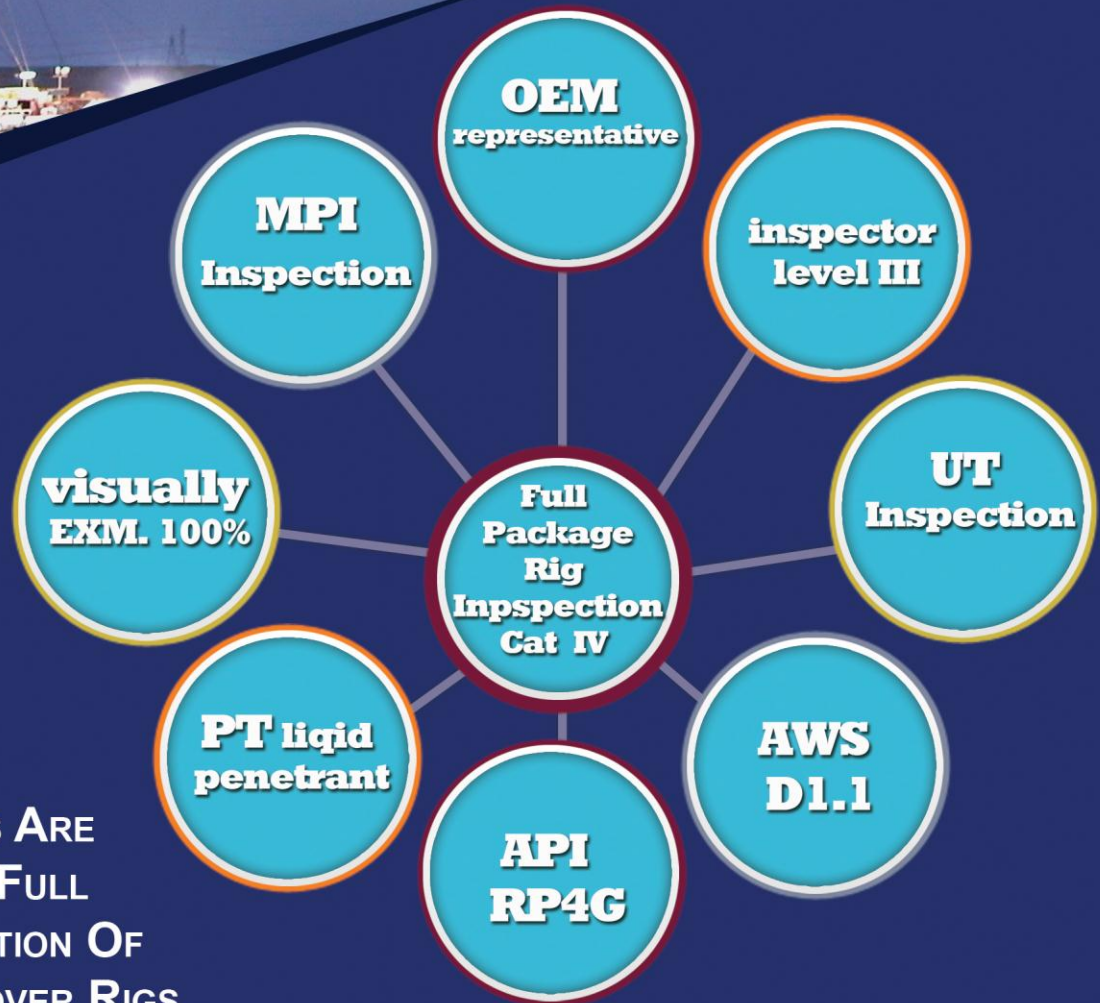
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FULL PACKAGE RIG INSPECTION



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REQUIREMENTS ARE PROVIDED TO FULL PACKAGE INSPECTION OF DRILLING / WORKOVER RIGS

Category IV - Category IV includes Category III requirements but adds disassembly, inspection, and cleaning required to conduct NDT of all defined critical areas. All welds are being visually examined and welds in critical areas should be inspected using magnetic particle or liquid penetrant method in accordance with Section 6 of AWS D1.1.

Category IV - Inspections should be conducted by or closely supervised by a professional engineer, original equipment manufacturer representative or other manufacturer of drilling structures' authorized representative. Category IV inspectors should satisfy the requirements of Category III inspectors and also be qualified to perform weld inspection.

Note - this type of inspection should be conducted closely or by representative of Origin Equipment's Manufacturer or another manufacturer of structure representative.
All welds (100%) shall be visually examined.

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