



Exploration & Production

GENERAL SPECIFICATION

PIPING VALVES VESSELS

GS PVV 912

Piping fabrication facilities survey

01	10/03	Change of Group name and logo
00	03/01	First issue
Rev.	Date	Notes



Contents

PART 1.....	3
1. General.....	4
2. Personnel (permanent people only)	8
3. General facilities	10
4. Design facilities.....	12
5. Manufacturing equipment	13
PART 2.....	20
1. Remarks and recommendations.....	21



PART 1

Name of the Contractor:

Date of survey:

**Name of the COMPANY representative
who has performed the survey:**

DESCRIPTION OF THE FACILITIES

This part may be filled-in in advance by the Contractor prior to the survey.

All facilities described herein are meant to be in-house facilities only.

Any sub-contracted activity must be clearly indicated showing the names and addresses of related Subcontractors.

The number, type and status of all listed equipment are subject to thorough checks by the COMPANY representative in charge of the Yard Survey during his visit of the facilities.



ADDRESSES OF THE CONTRACTOR

	Head Quarters	Yard
Address		
Location		
Phone		
Telefax		

1. General

1.1 Type of Work (tick where appropriate)

	Type of Work	Comments
	Piping (carbon steel grade B)	
	Piping (carbon steel grades API 5LX)	
	Piping (stainless steel)	
	Piping (alloy steel)	
	Pressure vessels (carbon steel)	
	Pressure vessels (stainless steel)	



1.2 Contractor Management

Position	Names
Managing Director	
Sales Manager	
Yard Manager	
Fabrication Manager	
Quality Assurance Manager	
Design Manager	
Quality Control Manager	
Head of Welding Department	



1.3 References on similar Jobs

Year built	Name of Project	Total fabricated piping weight (<i>by material grade</i>)			
		Carbon steel (grade B)	Carbon steel (grade 5LX)	Alloy steel	Stainless steel



1.4 This firm is qualified to furnish construction to the following standards (Tick where appropriate)

	Name of Qualification	Date of certificate	Comments
	ISO 9001		
	ISO 9002		

1.5 Name of inspection agencies usually employed to perform code inspection



2. Personnel (permanent people only)

2.1 Total number of Employees _____

2.2 Number of Supervisory Personnel

Management _____

Yard supervision _____

2.3 Number of Engineering Department Employees _____

2.4 Number of Procurement Employees _____

2.5 Number of Fabrication Employees _____

2.6 Number of Quality Control Employees _____

2.7 Number of qualified Welders/Operators

a) Total number _____

b) Number of welders qualified per welding process and material grade

	P1	P8	Ni Alloys (P43 to P45)	Cu-Ni	Ti
SMAW					
SAW					
GMAW					
GTAW					
FCAW					

c) Number of arc-air gouging skillful operators: _____



2.8 Quality Control (Inspection) organization (attach an organization chart)

(permanent people only)

Function or qualification	Name (Staff) or number of people
QC Manager	
Radiographic Inspector Level III	
Radiographic Inspector Level II	
Radiographic Operator Level I	
UT Inspector Level III	
UT Inspector Level II	
MPI Inspector Level III	
MPI Inspector Level II	
DP Inspector Level III	
DP Inspector Level III	



3. General facilities

3.1 Approximate total surface of yard area

3.2 Approximate surface of covered area

3.3 Building bays and cranes data of covered area

Bay no.	Bay Dimensions (m x m)	Type of Crane	Number of Cranes	Capacity (tons)	Height under Hook (m)	Electric or Manual
1						
2						
3						
4						
5						
6						

3.4 Cranes Data of open air area

Type of Cranes	Number of Cranes	Capacity (tons)	Height under Hook (m)



3.5 Source of Materials (give names of usual Suppliers)

Pipes _____

Fittings _____

Flanges _____

Valves _____

Welding consumables _____

3.6 Maximum handling capacity (including shipping consideration)

Weight (tons) _____

Dimensions (m) _____

3.7 Shipping facilities

Railroad siding with spur in yard _____

Trucking Facilities _____

Facilities for water shipment _____



4. Design facilities

4.1 Drafting facilities

Number of drafting boards:	Permanent staff:
Number of CAD work stations:	Permanent staff:

4.2 Calculation facilities

Type of design	Computer programs names	Design codes
Piping stress analysis		
Structural steel members		

5. Manufacturing equipment

5.1 Cutting Equipment

	Max. Capacity (thickness in mm)	Number	Condition
Automatic Flame Cutting			
Plasma cutting			
Saw			

5.2 Forming Equipment

	Type	Capacity (tons)
Hydraulic Press		



5.3 Plate Rolls

	Roll n°1	Roll n°2	Roll n°3	Roll n°4	Roll n°5
Type or name					
Maximum plate thickness (mm)					
Maximum width of plate (mm)					
Minimum I.D. (mm)					
Maximum thickness at minimum I.D. (mm)					
Minimum I.D. at maximum thickness (mm)					

5.4 Tube and Pipes Bending

Facilities for cold bending including table, machines and limitations:

Facilities for hot bending including furnace description and sand loading equipment:

5.5 Welding Equipment: List of welding equipment available

(permanent equipment only)

Welding Process	Manual		Automatic	
	Number	Current Range (A)	Number	Current Range (A)
SMAW (AC)				
SMAW (DC)				
SAW				
GMAW				
GTAW				
FCAW				

Number of Welding Positioners: Manual: _____ Automatic: _____

Number of Shell Turning Rolls: Manual: _____ Automatic: _____

5.6 Qualified Welding Procedures (American Welding Society Designations)

(Attach Samples)

Summary table of qualified Welding procedures (by approximate numbers)

Welding Process	Manual		Automatic	
	Number	Current Range (A)	Number	Current Range (A)
SMAW (AC)				
SMAW (DC)				
SAW				
GMAW				
GTAW				
FCAW				



5.7 Machines Tools (Give number, type and Size)

	Type	Number	Capacity
Boring Mills			
Lathes			
Drilling machines			
Punches			

5.8 Other machines (Give number, type and Size)



5.9 Heat Treating Furnaces (*permanent equipment only*)

	Furnace no. 1	Furnace no. 2	Furnace no. 3	Furnace no. 4
Heating source (Fuel, Gas, Electric)				
Inside Dimensions (Height x Width x Length) (m)				
Automatic Control or Manual				
Maximum number of Thermocouples per charge				
Number of Readings Recorded per charge				
Method of Loading				
Maximum Temperature				
Maximum load at maximum temperature				

5.10 Other Heat Treating electrical equipment (*permanent equipment only*)

	Equipment no. 1	Equipment no. 2	Equipment no. 3	Equipment no. 4
Name of equipment				
Heating source (Resistance or Induction)				
Number of equipment				
Automatic Control or Manual				
Maximum number of Thermocouples per charge				
Number of Readings Recorded per charge				
Maximum Temperature				



5.11 Non-destructive Testing Equipment

Type of inspection	Number of equipment	Description
X-rays		
Gamma rays		
Ultrasonic Testing		
Magnetic particle		
Liquid penetrant		

5.12 Mechanical Testing Equipment

	Type	Capacity
Tensile Testing		
Bending Facilities		
Impact Testing		
Hardness Testing		



5.13 Chemical Analysis Equipment

5.14 Leak Testing

5.15 Pressure Testing

Hydrostatic Medium	Max. Pressure (bars)

Water treatment facilities:

5.16 List of any other equipment available

5.17 Piping painting facilities



PART 2

Name of the Contractor:

Date of survey:

**Name of the COMPANY representative
who has performed the survey:**

REMARKS AND RECOMMENDATIONS

(This part must be filled exclusively by the COMPANY representative who has performed the survey)



1. Remarks and recommendations

1.1 People met

Name	Position

1.2 Remarks on quality of workmanship observed on work in progress

Drafting/Engineering organization _____

Material traceability _____

Yard organization _____

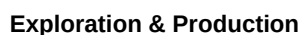
Yard cleanliness _____

Weld preparation _____

Drying of welding products _____

Preheating _____

Welding operations _____



General Specification

Date: 10/03

GS PVV 912

Rev: 01

Radiographic films _____

1.3 Additional Observations

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1.4 Recommendations

This Contractor is recommended for the following only (tick where appropriate and cross-out other items for which the Contractor is not recommended):

	Type of Work	Comments
☐	Piping (carbon steel grade B)	
☐	Piping (carbon steel grades API 5LX)	
☐	Piping (stainless steel)	
☐	Piping (alloy steel)	
☐	Pressure vessels (carbon steel)	
☐	Pressure vessels (stainless steel)	
☐		
☐		
☐		
☐		
☐		
☐		

Additional comments:

Signed by:

Date: