PETRO FLANGE, S.A. DE C.V.

Vendido a: FERRETERIA Y REP. INT., S.A. DE C.V.

Direccion:

Pedido: TEL

Folio:	**2887**
Cert. No.	**PF-WN-586-60**
Date.	***21/11/2008***

INSPECTION CERTIFICATE

ITEM	PCS	DESCRIPTION	SPECIFICATIONS	HEAT No.	MECHANICAL COMPOSITION				
					TENSILE Mpa	YIELD Mpa	ELONG %	R/Area %	HARDNES HB
1	6	W.N. 2" 150# R.F. SCH-160	ASTM A-105-05 ASME SA-105-ED2007-AD08 ASME B16.5 NACE MR-0175-03/05 MSS SP-6 API 6A-6B	08K40702	490	265	26	33	154
2	6	W.N. 1-1/2" 150# R.F. SCH-160		07K00311	496	285	26	34	182

CHEMICAL COMPOSITION

ITEM	HEAT. No.	C	Mn	P	S	Si	Cu [A]	Ni [A]	Cr [A,B]	Mo [A,B]	V [A]	Nb	CE
1	08K40702	0.247	0.845	0.014	0.027	0.348	0.247	0.060	0.050	0.030	0.050	-	0.43
2	07K00311	0.259	0.825	0.024	0.023	0.259	0.272	0.028	0.011	0.030	0.001	-	0.42

[A] The sum of cooper, nickel, chromium, molybdenum and vanadium shall not exceed 1.00 %

[B] The sum of chromium and molybdenum shall not exceed 0.32%

Ni+Cu)/15

NOTE: FORGED ROLLED 1150°C -1200°C

NORMALIZED 900°C AND ALLOWED TO COOL IN STILL AIR.

PETRO FLANGE S.A. DE C.V.

QUALITY ASSURANCE CONTROL DEPARTAMENT

P F

JORGE

ENTREGADO