MATERIAL TEST CERTIFICATE

QUALITY CERTIFCATE

MATERIAL: ASTM A216 GR WCB



DATE

TENSILE

KSI

578

497

September 28, 1998

%RA

36.0

41.0

BHN

158

147

PHYSICALS

%EL

24.2

25.0

YIELD

KSI

333

305

AMERICAN ENERGY SERVICES P. O. BOX 34356 HOUSTON, TEXAS 77234

PHONE: (713) 928-5311 FAX (713) 928-6479

CUSTOMER

FERRETERA ANAHUAC S.A. DE C.V. AV. VALLE DE LAS ALAMEDAS NO. 66-B COL. SAN FRANCISCO CHILPAN TULTITLAN, EMEX, C.P. 54940

AES CONTROL NO.: 3352

CUSTOMER P.O.:98/005

ITEM NO.: 28

QUANTITY:1

SIZE & DESCRIPTION

12" 600# GATE VALVE

AES FIG. NO: 12GA06RHA11

IDENTIFICATION NOS.

39487

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	CHEMICALS									
HEAT NO.	C.	Mn.	P.	S.	Si.	Cu.	Ni.	Cr.	Mo.	V.
A686	0.28	0.73	0.038	0.028	0.43	0.031	0.024	0.035	0.018	0.001
A811	0.20	0.67	0.017	0.012	0.39	0.027	0.027	0.034	0.016	0.007
· ·										

HEAT	TR	EA.	ГΜ	EN	٦

1650*F NORMALIZE

PRESSURE TEST

API 598 1990

psi						
SHELL	SEAT	Α	SEAT	В	BACK	SEAT
HYDRO	HYDRO	AIR	HYDRO	AIR	HYDRO	AIR
2225		80		80		80

COMPLIES WITH NACE MR-0175

SECONDS			
120	120	120	120

DIMENSIONS CONFORM TO ASME/ANSI B16.34

Our letters are for the exclusive use of the client to whom they are addressed. The use of our name must receive our written approval. Our letters and reports apply only to the sample tested an/or inspected, and are not necessarily indicative of the qualities of apparently identical or similar products. We certify the materials meet the referenced specifications as reported on the material manufacturer's test certificates which are maintained in our files. The information contained in this report is true and correct to the best of my knowledge. This report is issued by the Quality Assurance Department which is independent of the Manufacturing or Processing Department. It conforms to Din Standard 50049-3.1B and to ISO standard 10474-3.1B.

QUALITY ASSURANCE