MATERIAL TEST CERTIFICATE

QUALITY CERTIFCATE

MATERIAL: ASTM A216 GR WCB **PHYSICALS** TENSILE YIELD CHEMICALS KSI KSI %EL %RA BHN HEAT NO. C. Mn. S. Si. Cu. Ni. Cr. Mo. 46 24.0 148 0.018 0.062 0.011 0.004 71 48.0 C60187 0.25 0.75 0.023 0.022 0.48 0.036 45 24.0 158 0.030 0.026 0.030 0.010 0.006 76 38.0 C60697 0.19 0.73 0.023 0.030 0.47 43 24.0 0.060 0.066 0.040 0.011 0.004 76 38.0 160 C61670 0.22 0.83 0.022 0.025 0.49 46 0.030 0.062 0.082 0.032 0.005 77 29.0 55.0 158 C60652 0.73 0.026 0.016 0.40 0.21 0.025 0.41 0.031 0.026 0.043 0.016 0.003 72 46 24.9 40.5 153 C51832 0.74 0.030 0.21 0.52 0.040 0.046 0.037 0.010 0.002 78 43 29.2 50.5 159 C61982 0.97 0.027 0.026 0.23 0.046 0.013 0.005 0.020 70 29 5 48 3 146 0.041 C60174 0.21 0.72 0.021 0.027 0.49 0.38 0.055 0.092 C60170 0.023 0.24 0.71 0.027

0.046	0.013	0.005		70	41	29.5	40.3	140
0.042	0.055	0.003		81	37	27.0	50.0	160
					-			
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 meterials most the referenced enseitingtions as reported on								

DATE:

September 28, 1998

AES FIG. NO: 03GL03RHA11

3" 300# GLOBE VALVE

AES CONTROL NO.: 3352

CUSTOMER P.O.:98/005

ITEM NO.: 39

QUANTITY: 5

IDENTIFICATION NOS.

SIZE & DESCRIPTION

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

38988.38989.38990.38991.38992

HEAT TREATMENT

1650*F NORMALIZE

PRESSURE TEST API 598 1990

psi						
SHELL	SEAT	Α	SEAT	В	BACK	SEAT
HYDRO	HYDRO	AIR	HYDRO	AIR	HYDRO	AIR
1125	825				825	

COMPLIES WITH NACE MR-0175

SECONDS		
60	60	60

DIMENSIONS CONFORM TO ASME/ANSI B16.34

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