PERFILES, POLINES Y TUBOS

CERTIFICADO DE CALIDAD / MILL TEST REPORT

MATERIAL TEST CERTIFICATE

QUALITY CERTIFCATE

DATE: September 28, 1998

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.:44

QUANTITY: 5

SIZE & DESCRIPTION

3" 600# GLOBE VALVE

AES FIG. NO:03GL06RHA11

IDENTIFICATION NOS.

39008 THRU 39012

MATERIAL: ASTM A216 GR WCB

HEAT NO.	CHEMICALS C.	Mn.	P.	S.	Si.	Cu.	Ni.	Cr.	Mo.	V.
L083	0.220	0.81	0.027	0.021	0.51	0.068	0.052	0.127	0.012	0.018
L086	0.250	0.79	0.024	0.021	0.44	0.033	0.078	0.056	0.018	0.020
L088	0.240	0.85	0.024	0.021	0.50	0.044	0.130	0.078	0.030	0.020
L018	0.220	0.74	0.024	0.021	0.44	0.047	0.156	0.062	0.030	0.022
L019	0.220	0.93	0.027	0.020	0.52	0.047	0.220	0.062	0.018	0.022
L088	0.240	0.85	0.024	0.021	0.50	0.044	0.130	0.078	0.030	0.020
N012	0.230	0.86	0.027	0.021	0.46	0.037	0.132	0.083	0.035	0.023
N018	0.220	0.74	0.024	0.021	0.44	0.047	0.156	0.062	0.030	0.022
N081	0.225	0.93	0.027	0.022	0.53	0.066	0.092	0.025	0.018	0.020
N088	0.240	0.85	0.024	0.021	0.50	0.044	0.130	0.078	0.030	0.020

PHYSICALS TENSILE KSI	YIELD KSI	%EL	%RA	BHN
79	44	29.0	39.0	164
83	51	28.0	42.0	169
74	51	27.0	51.0	167
76	44	30.0	40.0	165
77	46	31.0	38.0	164
74	51	27.0	51.0	167
79	50	32.0	40.0	167
76	44	30.0	40.0	165
78	44	28.0	40.0	163
79	51	27.0	51.0	167

HEAT TREATMENT 1650*F NORMALIZE

PRESSURE TEST API 598 1990

psi						
SHELL	SEAT A		SEAT B		BACK SEAT	
HYDRO	HYDRO	AIR	HYDRO	AIR	HYDRO	AIR
2225	1650				1650	

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