MATERIAL TEST CERTIFICATE

DATE: January 14, 1998

AMERICAN ENERGY SERVICES
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CUSTOMER

FERRETERA ANAHUAC S.A. DE C.V.
C/O OSCAR FERNANDEX OF TX (FASA)
14215 TRANSPORTATION AVE.
LAREDO, TEXAS USA

AES CONTROL NO.: 3351

CUSTOMER P.O.: 98/004

ITEM NO.: 14

QUANTITY: 24 OF 30

SIZE & DESCRIPTION

2" 300# CS RF GATE VALVE
STANDARD TRIM
HANDWHEEL OPERATED

AES FIG. NO.: 02GA03RHA11

IDENTIFICATION NOS.

35556, 35557, 35558, 35559, 35562, 35565, 35567, 35568, 35569, 35571, 35575, 35576, 35577, 35582, 35583, 35584, 35585, 35587, 35591, 35594, 35597, 35598, 35599, 35601

MATERIAL: ASTM A216 GR WCB

HEAT NO.	CHEMICALS C.	Mn.	P.	S.	Si.	Cu.	Ni.	Cr.	Mo.	V.	PHYSICALS TENSILE KSI	YIELD KSI	%EL	%RA	BHN
C72030	0.24	0.88	0.019	0.016	0.38	0.04	0.05	0.07	0.02	0.005	76	46	27	44	156
C72032	0.21	0.87	0.020	0.015	0.41	0.06	0.05	0.07	0.02	0.004	74	44	27	46	153
C72231	0.20	0.89	0.025	0.017	0.40	0.07	0.04	0.06	0.03	0.004	74	43	26	45	156
C72387	0.22	0.72	0.030	0.024	0.44	0.03	0.05	0.07	0.02	0.003	72	42	28	54	150
C72419	0.22	0.83	0.019	0.018	0.36	0.06	0.04	0.08	0.02	0.002	71	41	33	54	146
C72478	0.19	0.90	0.027	0.019	0.50	0.03	0.05	0.06	0.01	0.002	75	46	30	59	152
C72490	0.19	0.54	0.031	0.022	0.38	0.04	0.07	0.07	0.05	0.007	70	38	30	40	145
C72732	0.21	0.77	0.022	0.014	0.37	0.04	0.04	0.08	0.03	0.002	72	44	31	58	147
C72733	0.25	0.85	0.028	0.020	0.48	0.06	0.01	0.05	0.07	0.003	76	50	29	48	156
C72750	0.22	0.59	0.028	0.019	0.41	0.04	0.04	0.08	0.03	0.004	71	48	28	46	145
C73023	0.22	0.84	0.020	0.025	0.42	0.07	0.06	0.06	0.02	0.003	74	42	31	60	150
C73490	0.25	0.83	0.023	0.023	0.36	0.05	0.04	0.04	0.03	0.004	74	37	31	54	146
C78402	0.22	0.79	0.022	0.023	0.39	0.06	0.05	0.08	0.02	0.003	72	48	29	48	151
C78406	0.24	0.81	0.020	0.025	0.32	0.05	0.05	0.06	0.03	0.004	77	45	27	43	160
C78411	0.24	0.64	0.019	0.020	0.30	0.05	0.04	0.08	0.02	0.007	71	43	30	56	156
C78419	0.22	0.77	0.023	0.021	0.34	0.06	0.06	0.08	0.02	0.003	72	43	29	47	150
C78423	0.22	0.86	0.020	0.024	0.44	0.04	0.06	0.08	0.03	0.003	74	47	30	57	154

PRESSURE TEST API 598 1990

psi						
SHELL	SEAT A		SEAT B		BACK SEAT	
HYDRO	HYDRO	AIR	HYDRO	AIR	HYDRO	AIR
1125		80		80		80

SECONDS						
15		15		15		15

DIMENSIONS CONFORM TO ASME/ANSI B16.34

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QUALITY ASSURANCE