


ETRO : 12 3/4"	ESPEJOR DE PARED WALL THICKNESS 0.250"	GRADO : GRADE : ASTM A53-B	PRESION HIDROSTATICA: HYDROSTATIC TEST: 820 PSI
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PRUEBAS DE TENSION		CHEMICAL ANALYSES PERCENT WEIGHT																			
TENSILE TEST		ANALISIS QUIMICO % EN PESO																			
LABORATORIO	COLADA HEAT	LMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 3"	LE/UT Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
10-4 Tc	150408	49 383	69 959	39	0.71	0.168	1.13	0.015	0.008	0.004	0.005	0.003	0.170	0.030	0.039	0.0042	0.030	0.040	0.013	0.0040	
Ts			77 975																		
24-26 Tc	150411	58 644	75 586	36	0.78	0.160	1.11	0.019	0.006	0.001	0.002	0.003	0.160	0.020	0.032	0.0020	0.020	0.030	0.005	0.0040	
Ts			78 769																		
28-1 Tc	150576	54 093	71 403	37	0.76	0.160	1.08	0.019	0.006	0.002	0.004	0.003	0.170	0.020	0.034	0.0034	0.020	0.030	0.013	0.0040	
Ts			75 755																		
9-12 Tc	247530	55 838	70 355	37	0.79	0.157	1.09	0.016	0.005	0.001	0.004	0.003	0.200	0.020	0.040	0.0027	0.030	0.030	0.008	0.0050	
Ts			77 904																		
2-7 Tc	247531	56 126	72 162	35	0.78	0.180	1.11	0.011	0.004	0.001	0.003	0.004	0.230	0.020	0.039	0.0023	0.020	0.030	0.007	0.0050	
Ts			79 519																		
7-26 Tc	247532	56 269	75 602	36	0.74	0.180	1.10	0.010	0.007	0.001	0.002	0.003	0.170	0.020	0.035	0.0023	0.010	0.030	0.006	0.0060	
Ts			80 404																		
3-6 Tc	250435	52 511	67 712	38	0.78	0.150	1.09	0.013	0.007	0.004	0.005	0.004	0.180	0.030	0.039	0.0032	0.030	0.040	0.014	0.0030	
Ts			73 953																		
15-15 Tc	250436	56 506	69 186	35	0.82	0.164	1.08	0.013	0.006	0.001	0.004	0.003	0.170	0.010	0.036	0.0028	0.020	0.030	0.005	0.0050	
Ts			75 821																		
7-14 Tc	250437	54 530	71 309	39	0.76	0.166	1.12	0.014	0.005	0.002	0.005	0.004	0.170	0.020	0.043	0.0021	0.030	0.030	0.011	0.0030	
Ts			77 519																		

FICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO
CADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO
LOS REQUISITOS APPLICABLES DE LA ESPECIFICACION:
ASTM A53-B -02

WE CERTIFY THE PIPE ABOVE MENTIONED ACCOMPLISH AND HAS
BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN
ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:


ING. FERNANDO OSORIO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER