

CUSTOMER:  
PEDIDO CLIENTE / P.O.  
PARTIDA (S)  
ITEMS

FECHA  
DATE  
OCTUBRE 28, 2005

DIAMETRO : DIAMETER : 10 3/4"		ESPESOR DE PARED WALL THICKNESS 0.365"		GRADO : GRADE : ASTM A53-B		PRESION HIDROSTATICA: HYDROSTATIC TEST: 101 Kg/cm <sup>2</sup> 1430 PSI															
PRUEBAS DE TENSION TENSILE TEST				ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSES PERCENT WEIGHT																	
NUMPROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. % ELONG.	LEULT Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
8-14 Tc	154562	55 022	69 328	36	0.79	0.170	1.10	0.014	0.004	0.001	0.003	0.003	0.194	0.030	0.039	0.0022	0.020	0.030	0.008	0.0041	
Ts			71 620																		
10-6 Tc	154563	55 777	68 396	36	0.82	0.169	1.13	0.019	0.003	0.001	0.004	0.003	0.198	0.030	0.032	0.0040	0.020	0.030	0.008	0.0040	
Ts			74 243																		
3-2 Tc	154565	54 324	69 716	37	0.78	0.168	1.09	0.014	0.006	0.001	0.002	0.003	0.193	0.040	0.037	0.0020	0.020	0.030	0.006	0.0060	
Ts			75 289																		
17-15 Tc	154488	57 136	70 321	37	0.81	0.180	1.09	0.014	0.006	0.003	0.005	0.003	0.188	0.080	0.044	0.0030	0.020	0.040	0.009	0.0057	
Ts			77 387																		
52-9 Tc	155577	50 529	68 214	36	0.74	0.172	1.12	0.018	0.005	0.004	0.005	0.005	0.168	0.020	0.034	0.0021	0.030	0.030	0.010	0.0043	
Ts			74 843																		
43-15 Tc	155578	50 158	68 736	38	0.73	0.169	1.15	0.018	0.006	0.005	0.005	0.005	0.215	0.030	0.045	0.0027	0.030	0.030	0.009	0.0032	
Ts			75 883																		
31-9 Tc	155582	50 431	68 081	37	0.74	0.162	1.08	0.015	0.009	0.004	0.005	0.004	0.179	0.020	0.039	0.0048	0.030	0.040	0.011	0.0054	
Ts			74 544																		
35-16 Tc	254767	54 681	69 509	37	0.79	0.160	1.07	0.016	0.005	0.001	0.002	0.002	0.165	0.030	0.039	0.0010	0.030	0.030	0.007	0.0030	
Ts			71 354																		
100-17 Tc	255834	51 275	67 467	38	0.76	0.160	1.06	0.013	0.006	0.002	0.004	0.004	0.182	0.020	0.030	0.0034	0.020	0.030	0.007	0.0060	
Ts			75 214																		
99-14 Tc	255836	52 786	68 363	38	0.77	0.164	1.08	0.016	0.004	0.002	0.005	0.004	0.189	0.020	0.034	0.0015	0.020	0.030	0.006	0.0044	
Ts			74 137																		
101-5 Tc	255841	55 151	67 809	39	0.81	0.159	1.09	0.016	0.005	0.001	0.003	0.004	0.199	0.030	0.036	0.0022	0.020	0.030	0.008	0.0038	
Ts			74 105																		
91-11 Tc	255843	57 870	69 811	42	0.83	0.166	1.13	0.016	0.005	0.004	0.005	0.005	0.184	0.030	0.031	0.0020	0.030	0.030	0.009	0.0035	
Ts			75 054																		
169-3 Tc	255922	50 670	70 938	38	0.71	0.168	1.10	0.015	0.006	0.001	0.003	0.003	0.179	0.030	0.027	0.0024	0.020	0.030	0.007	0.0049	
Ts			81 972																		
148-6 Tc	255924	53 242	69 766	40	0.76	0.161	1.07	0.013	0.005	0.001	0.003	0.003	0.162	0.030	0.038	0.0027	0.010	0.040	0.008	0.0076	
Ts			77 261																		

CERTIFICAMOS QUE LA TUBERIA AQUÍ DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APLICABLES DE LA ESPECIFICACION:

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

ASTM A53-B -02

ING. FERNANDO OSORNO PEREZ  
GERENTE DE ASEGURAMIENTO DE CALIDAD

QUALITY ASSURANCE MANAGER