TUB-NLCC 6" C-40

FORZA STEEL	REPORTE DE CALIDAD DE TUBERIA (Quality Report)	Cod: FPD-PR-01-O6	
	SISTEMA DE GESTION DE LA CALIDAD	Edicion : 0	Revision: 4
		Fecha de Rev: 15 Junio 2013	

REPORTE FS (Report No.)	05/07/2013	-23

Tipo de Producto (Type of Pipe/Delivery Condition):	Orden Interna de Fabricacion (Work Order)	Diámetro (Diameter)	Espesor (Thikness) pulg (ft)	Espesor (Thikness) pulg (mm)	Longitud (Leghth) mtrs	Longitud (Leghth) pies (ft)	Norma (Specification):	Grado (Grade):	Peso (mass) lbs.	Peso (mass) kg.	Tamaño (Size)	Peso Lineal (Mass per meter) lbs. X pie	Peso Lineal (Mass per meter) kg. X mtr.	Numeros de Tubo (Pipe Number)
ERW	270		0.280	7.112	12.2	40.026	ASTM A-53	Grado B	760.1309395	344.7895944	0.168	18.99081232	28.2614422	355

# lote	# colada (Heat).	Composición Química del Acero (Steel Chemical Composition).												Propiedades mecánicas del Acero de la Tubería (Steel Mechanical's Porpieties).						
														Limite Traccion (Tensile Strenght) KSI (MPA)			Limite Elastico (Yield Point) KSI (MPA)		% Elongación (Enlogation)	
		C	Si	Mn	P	S	V	B	Cr	Cu	Ni	Mo	Ciiw	Limite Traccion (Tensile Strenght) KSI (MPA)	T	W	L	T	L	T
270-10-10	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-10-2	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-10-27	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-10-3	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-10-4	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-10-5	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-10-6	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-10-7	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-10-8	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-11-28	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-13-18	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-22	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-23	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-24	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-25	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-26	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-27	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-28	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-29	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-30	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-31	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-32	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-33	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-34	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-13-35	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A

REPORTE DE CALIDAD DE TUBERIA
(Quality Report)

SISTEMA DE GESTION DE LA CALIDAD

Cod: FPD-PR-01-O6

Edicion : 0 | Revision: 4

Fecha de Rev: 15 Junio 2013

270-14-10	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-11	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-12	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-13	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-13	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-14	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-15	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-16	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-17	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-18	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-19	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-2	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-21	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-22	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-23	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-24	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-25	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-26	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-27	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-28	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-29	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-3	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-30	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-31	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-32	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-33	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-34	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-35	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-36	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-37	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-38	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-39	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-40	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-42	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-44	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-45	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-45	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A

270-14-46	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-46	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-47	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-48	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-49	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-5	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-50	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-51	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-52	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-6	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-8	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-14-9	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-10	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-11	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-12	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-19	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-24	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-25	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-26	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-35	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-43	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-49	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-5	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-50	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-51	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-6	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-8	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-15-9	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-16-44	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-16-47	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-16-48	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-16-49	350053011	0.095	0.015	0.345	0.005	0.017	0	0	0.016	0.025	0.014	0.002	0.11516667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-10	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-11	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-15	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-16	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-17	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A

REPORTE DE CALIDAD DE TUBERIA
(Quality Report)

SISTEMA DE GESTION DE LA CALIDAD

Cod: FPD-PR-01-O6

Edicion : 0 | Revision: 4

Fecha de Rev: 15 Junio 2013

270-17-19	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-20	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-21	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-22	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-23	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-25	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-26	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-27	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-28	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-29	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-30	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-33	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-34	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-35	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-36	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-39	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-40	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-41	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-42	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-43	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-44	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-45	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-46	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-47	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-48	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-49	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-50	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-51	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-52	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-53	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-17-54	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-10	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-11	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-12	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-13	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-14	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-15	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A

270-18-16	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-17	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-18	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-2	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-20	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-21	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-22	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-25	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-26	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-27	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-28	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-29	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-3	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-30	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-31	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-32	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-33	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-34	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-35	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-36	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-37	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-38	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-39	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-4	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-40	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-41	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-42	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-43	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-44	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-45	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-46	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-47	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-48	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-49	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-5	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-50	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-51	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A

270-18-52	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-53	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-6	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-7	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-8	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-18-9	350046011	0.091	0.015	0.353	0.006	0.014	0	0	0.019	0.032	0.019	0.002	0.11215	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-19-10	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-11	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-12	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-13	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-14	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-15	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-16	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-17	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-18	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-19	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-20	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-21	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-22	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-23	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-24	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-25	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-26	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-27	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-28	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-29	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-3	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-30	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-31	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-32	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-33	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-34	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-35	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-38	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-4	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-41	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-5	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A

270-19-6	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-7	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-8	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-19-9	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-15	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-16	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-17	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-18	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-19	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-20	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-26	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-27	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-33	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-4	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-7	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-20-8	1320480012	0.093	0.017	0.334	0.013	0.003	0	0	0.01	0.005	0.025	0.001	0.1115	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-21-23	270221011	0.1	0.009	0.346	0.006	0.011	0	0	0.02	0.037	0.02	0.003	0.12098333	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-22-19	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-2-21A	1212133012	0.184	0.163	0.746	0.01	0.002	0	0	0	0	0	0	0.22673333	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-2-21B	1212133012	0.184	0.163	0.746	0.01	0.002	0	0	0	0	0	0	0.22673333	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-22-22	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-22-25	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-22-26	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-11A	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-11B	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-12A	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-12B	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-13A	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-13B	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-14	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-15B	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-16A	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-16B	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-17	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-18B	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-21A	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-21B	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A

270-23-22A	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-22B	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-24	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-23-4	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-24-40	270221011	0.1	0.009	0.346	0.006	0.011	0	0	0.02	0.037	0.02	0.003	0.12098333	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-24-42	270221011	0.1	0.009	0.346	0.006	0.011	0	0	0.02	0.037	0.02	0.003	0.12098333	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-24-56	270221011	0.1	0.009	0.346	0.006	0.011	0	0	0.02	0.037	0.02	0.003	0.12098333	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-25-15	268618011	0.082	0.012	0.33	0.009	0.017	0	0	0.015	0.028	0.014	0.002	0.10141667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-25-17	268618011	0.082	0.012	0.33	0.009	0.017	0	0	0.015	0.028	0.014	0.002	0.10141667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-25-18	268618011	0.082	0.012	0.33	0.009	0.017	0	0	0.015	0.028	0.014	0.002	0.10141667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-25-38	268618011	0.082	0.012	0.33	0.009	0.017	0	0	0.015	0.028	0.014	0.002	0.10141667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-25-55	268618011	0.082	0.012	0.33	0.009	0.017	0	0	0.015	0.028	0.014	0.002	0.10141667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-26-16	268618011	0.082	0.012	0.33	0.009	0.017	0	0	0.015	0.028	0.014	0.002	0.10141667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-27-11	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-12	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-13	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-16	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-17	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-18	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-19	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-2	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-39	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-4	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-44	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-46	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-5	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-27-53	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-28-18A	350064011	0.092	0.013	0.357	0.007	0.013	0	0	0.021	0.034	0.017	0.003	0.11351667	60.94(420.18)	N/A	N/A	51.54(355.36)	N/A	34	N/A
270-28-40	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-28-48	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-16	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-17	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-18	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-22	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-29	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-30	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-31	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A

270-29-34	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-40	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-50	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-6	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-7	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-8	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-29-9	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-30-37	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-30-47	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-30-49	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-30-52	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-30-9	350080011	0.092	0.013	0.334	0.007	0.018	0	0	0.026	0.034	0.014	0.003	0.11256667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-31-13	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-31-2	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-31-3	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-31-38	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-31-4	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-31-41	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-31-5	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-31-8	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-23	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-24	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-25	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-26	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-27	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-28	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-29	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-30	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-31	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-33	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-40	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-44	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-45	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-46	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-47	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-48	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-49	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A

REPORTE DE CALIDAD DE TUBERIA
(Quality Report)

SISTEMA DE GESTION DE LA CALIDAD

Cod: FPD-PR-01-O6

Edicion : 0 | Revision: 4

Fecha de Rev: 15 Junio 2013

270-32-50	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-51	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-52	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-32-53	350095011	0.087	0.009	0.351	0.004	0.015	0	0	0.025	0.046	0.019	0.002	0.10885	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-33-10	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-33-11	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-33-12	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-33-13	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-33-17	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-33-3	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-33-5	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-33-6	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-33-7	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-33-8	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-33-9	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-34-14	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-34-21	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-34-23	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-34-26	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-34-28	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-34-29	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-34-31	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-34-32	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-34-48	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-34-51	350089011	0.091	0.012	0.329	0.007	0.013	0	0	0.018	0.023	0.014	0.002	0.11026667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-4-11	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-5-18	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-6-24	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-7-19	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-7-3	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-8-27	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-8-3	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-9-10	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
270-9-20	1222042012	0.178	0.146	0.711	0.01	0.003	0	0	0	0	0	0	0.21841667	55.46(382.41)	N/A	N/A	45.96(316.90)	N/A	35	N/A
	Prueba Hidros. (PSI) (Hidrostatic Test).			Tratamiento Térmico (Heat Treatment).			Pruebas de Laboratorio Propiedades Mecánicas(Mechanical test Results)													

REPORTE DE CALIDAD DE TUBERIA
(Quality Report)

Cod: FPD-PR-01-O6

SISTEMA DE GESTION DE LA CALIDAD

Edicion : 0 | Revision: 4

Fecha de Rev: 15 Junio 2013

Presión (Pressure).	Duración (Time).	Tipo (Type).	T°C min. (Temp).	Metalografia	Método de Inspección No-Destructiva (Non destructive Test Method).		Indicadores de Referencia (Reference Indicator)	Resultado de Macrografía (Macrographic test Result)	Prueba de Aplastamiento (Flattening Test)	Resultado de Prueba de Impacto (Charpy Test) Metal Base (Base Metal). Prom(Average).	Temperiura de Prueba de Impacto (Charpy Test Temperature).	Doblez Guiado (Bending Test) (QW-160)
1805	10 Seg.	NORMALIZADO	540°C	ACEPTADO	UltraSonido (UT)	ACEPTADO (Accepted)	N 10	ACEPTADO (Accepted)	ACEPTADO (Accepted)	N/A	N/A	N/A

Esta certificado ampara los numeros de serie de los tubos manifestados, los cuales fueron fabricados, inspeccionados y aceptados de acuerdo a los requerimientos de las especificacion arriba mencionada; FORZA STEEL no garantiza el producto que sea utilizado inapropiadamente

Ing. Leticia Botello Elizundo
lbotello@forzasteel.com
Aseguramiento de Calidad (Quality Assurance Chief)
FORZA STEEL S.A. DE C.V.