Barreno	Km	Ejecución	Muestra	Profundidad De (m)	Profundidad A (m)	Prof.Media	Litología (actualización)	ω Rt [%]	ω MC [%]	ω CP [%]	Rt γ_{amb} [kN/m^3]	MC γ_{amb} [kN/m^3]	CP γ_{amb} [kN/m^3]	Pruebas Mecanicas. Tensión Rt [MPa]	CARGA PUNTUAL [MPa]	Compresion simple. Mc [MPa]	Compresion simple. E_{t50} [MPa]	ANGULO DE FALLA	MODO DE FALLA	Modulo de Poisson.	Pruebas Sónicas. Vp. [m/s]	Vs. [m/s]	E_d [MPa]	Modulo de Poisson. "V"	Abrasividad [CAI]
PC-1a´	Predio Guadiana	CFE	2(M2')	4.97	5.12	5.05	Arenisca Alterada		2.29			23.44				69.20	7950								
PC-1a´	Predio Guadiana	CFE	2(M2")	5.10	5.35	5.23	Arenisca Alterada	1.86		2.33	24.03		24.20	20.99	108.65										
PC-1a´	Predio Guadiana	CFE	2(M6)	16.82	17.27	17.05	Arenisca	0.87	0.88	1.06	23.33	23.30	22.84	16.85	103.84	92.70	16182								
PC-1a´	Predio Guadiana	CFE	2(M7)	19.00	20.17	19.59	Arenisca		5.74			22.23				105.20	20446								
PC-1a´	Predio Guadiana	CFE	2(M7')	20.17	20.47	20.32	Arenisca	2.42	H	0.66	23.45	23.11	24.85	10.34	112.59	104.60	22376								
PC-1a´	Predio Guadiana	CFE	2(M8)	22.36	22.61	22.49	Arenisca	2.55	0.28		24.72	23.15		6.97		186.10	41894								
PC-1a´	Predio Guadiana	CFE	2(M9)	25.26	25.61	25.44	Arenisca	1.48	1.11	1.07	25.72	25.03	25.24	21.64	140.12	201.70	37522								
PC-1a´	Predio Guadiana	CFE	2(M10)	29.12	29.38	29.25	Arenisca-Lutita	1.73	1.35		24.28	25.23		9.32		96.50	21447								
PC-1a´	Predio Guadiana	CFE	2(M11')	31.80	32.17	31.99	Arenisca	1.49	0.77	1.15	24.80	23.86	25.37	19.78	82.27	109.70	18452								
PC-1a´	Predio Guadiana	CFE	2(M12)	33.74	34.08	33.91	Arenisca		0.24			23.46				145.50	30768								
PC-1a´	Predio Guadiana	CFE	2(M13)	34.67	34.96	34.82	Arenisca	2.41	1.03	1.29	24.54	25.10	24.66	8.09	83.37	147.60	20635								
PC-1a´	Predio Guadiana	CFE	2(M15)	40.25	40.70	40.48	Arenisca	0.91	0.35	0.54	22.89	22.63	22.99	15.28	157.21	88.00	22337								
PC-1a´	Predio Guadiana	CFE	2(M18)	48.97	49.29	49.13	Arenisca	0.54	0.33	0.44	23.98	24.17	24.25	18.89	437.47	171.40	34055								
PC-1a´	Predio Guadiana	CFE	2(M18')	49.61	50.76	50.19	Arenisca		0.77			23.39				122.10	19255								
PC-1a´	Predio Guadiana	CFE	2(M20)	55.90	56.10	56.00	Arenisca-Limolita		2.92			25.18				76.60	16471								
PC-1a´	Predio Guadiana	CFE	2(M20')	56.10	56.47	56.29	Arenisca-Limolita	3.59	2.26	5.01	23.75	25.30	24.49	8.36	18.77	74.50	18646								
PC-1a´	Predio Guadiana	CFE	2(M21)	57.82	58.21	58.02	Arenisca-Limolita	1.91	1.84	2.98	24.85	25.39	25.06	6.44	27.72	102.00	22014								
PC-1a´	Predio Guadiana	CFE	2(M22)	61.43	61.57	61.50	Limolita		4.46			23.92				8.50	6947								
PC-1a´	Predio Guadiana	CFE	2(M22')	61.79	61.95	61.87	Limolita-Arenisca		3.40			24.79				41.70	16639								
PC-1a´	Predio Guadiana	CFE	2(M22")	62.00	62.15	62.08	Limolita	3.08		4.17	23.96		24.77	4.84	28.32										
PC-1a´	Predio Guadiana	CFE	2(M23)	62.58	62.72	62.65	Arenisca		2.23			25.06				105.90	15738								
PC-1a´	Predio Guadiana	CFE	2(M23')	62.72	62.96	62.84	Arenisca-Lutita	2.61	2.18	2.21	24.92	25.09	24.94	9.28	47.58	97.50	17891								
PC-1a´	Predio Guadiana	CFE	2(M24')	64.97	65.18	65.08	Limolita	1.92		2.83	23.11		24.23	8.74	25.13										
PC-1a´	Predio Guadiana	CFE	2(M25)	66.70	66.85	66.78	Limolita		3.83			24.87				30.60	7181								
PC-1a´	Predio Guadiana	CFE	2(M27)	73.30	73.52	73.41	Arenisca-Lutita	2.04	1.75		24.79	25.15		10.45		97.60	16735								
PC-1a´	Predio Guadiana	CFE	2(M28)	75.51	75.98	75.75	Lutita-Arenisca	4.38	3.84	4.69	24.41	24.71	24.18	4.01	30.08	40.70	18546								
PC-1a´	Predio Guadiana	CFE	2(M28')	76.90	77.20	77.05	Arenisca	0.59	0.62	0.78	24.57	23.79	23.10	14.92	162.34	126.20	15523								
PC-1a´	Predio Guadiana	CFE	2(M28")	77.20	77.44	77.32	Arenisca-Lutita		0.83			23.18				92.10	19295								
PC-1a´	Predio Guadiana	CFE	2(M29)	78.00	78.32	78.16	Lutita-Arenisca	2.38	1.33	1.87	24.28	24.92	51.07	7.17	168.02	61.30	16202								
PC-1a´	Predio Guadiana	CFE	2(M30)	81.39	81.65	81.52	Arenisca	1.90	0.45		23.24	22.54		8.54		86.40	23776								
PC-1a´	Predio Guadiana	CFE	2(M32)	85.75	86.25	86.00	Arenisca-Lutita	3.13	0.81	3.09	25.04	25.90	25.08	6.83	40.87	81.40	29234								
PC-1a´	Predio Guadiana	CFE	2(M33)	88.03	88.43	88.23	Arenisca	1.79	0.86	2.11	22.84	22.91	22.48	10.96	135.76	75.80	18622								
PC-1a´	Predio Guadiana	CFE	2(M34)	90.35	90.95	90.65	Limolita	2.39	3.31	4.54	24.74	24.59	24.90	8.64	36.51	23.80	8795								
PC-1a´	Predio Guadiana	CFE	2(M34')	91.10	91.35	91.23	Arenisca-Limolita	4.59		3.06	23.83		24.94	2.57	29.91										
PC-1a´	Predio Guadiana	CFE	2(M35)	92.88	93.23	93.06	Limolita-Arenisca	3.88	2.88	3.19	24.47	24.03	24.70	5.82	51.54	38.70	7414								
PC-1a´	Predio Guadiana	CFE	2(M35')	93.37	93.74	93.56	Limolita	3.05		3.78	24.64		24.82	6.48	32.82										
PC-1a´	Predio Guadiana	CFE	2(M36)	96.50	96.85	96.68	Arenisca-Limolita	3.91	3.01	2.45	25.07	25.05	24.87	1.82	46.25	69.70	10172								
PC-1a´	Predio Guadiana	CFE	2(M37)	97.55	98.00	97.78	Arenisca	0.82	1.66	1.22	25.95	23.51	25.90	10.77	63.00	140.00	25709								
PC-1a´	Predio Guadiana	CFE	2(M37')	98.00	99.60	98.80	Arenisca		0.94			25.99				105.40	47170								
PC-1a´	Predio Guadiana	CFE	2(M38)	100.32	100.57	100.45	Arenisca-Limolita		2.91			25.03				73.70	13690								
PC-1a´	Predio Guadiana	CFE	2(M38')	102.50	102.85	102.68	Limolita-Arenisca	2.98	2.93	1.59	24.90	24.60	24.71	3.39	95.16	58.40	9034								
PC-1a´	Predio Guadiana	CFE	2(M39)	104.15	104.51	104.33	Arenisca	2.02	1.39	1.66	24.49	45.05	25.07	10.75	169.50	114.70	22754								
PC-1a´	Predio Guadiana	CFE	2(M40')	108.65	109.70	109.18	Arenisca	2.66	2.39		24.93	25.38		9.41		79.90	16952								
PC-1a´	Predio Guadiana	CFE	2(M41)	109.45	109.70	109.58	Limolita-Arenisca		3.67	3.95		22.47	24.04		47.37	51.30	7596								
PC-1a´	Predio Guadiana	CFE	2(M42´)	113.47	113.80	113.64	Arenisca-Limolita	3.77	2.74		24.47	24.91		6.06		82.90	12527								
PC-1a´	Predio Guadiana	CFE	2(M43)	116.82	117.15	116.99	Arenisca-Lutita	1.34	1.50	0.86	25.40	25.08	24.92	13.67	163.68	74.90	15569								
PC-1a´	Predio Guadiana	CFE	2(M43´)	117.92	118.08	118.00	Arenisca-Lutita		0.39			24.26				66.90	55158								
PC-1a´	Predio Guadiana	CFE	2(M44')	120.04	120.22	120.13	Lutita-Arenisca		2.47			24.54				42.10	10456								
PC-1a´	Predio Guadiana	CFE	2(M44")	120.42	120.76	120.59	Lutita-Arenisca	0.96	2.08	2.62	25.43	24.79	25.08	16.35	57.02	52.80	7805								
PC-1a´	Predio Guadiana	CFE	2(M45)	121.67	122.05	121.86	Lutita-Arenisca	2.97	2.81	2.90	24.12	24.58	24.90	10.87	62.78	56.50	6791								
PC-1a´	Predio Guadiana	CFE	M-1	126.50	126.71	126.61	Lutita-Arenisca	4.20		3.99	22.83		24.78	5.80	7.14										
PC-1a´	Predio Guadiana	CFE	M-1'	126.50	126.71	126.61	Lutita-Arenisca	3.91			25.55			5.95											
PC-1a´	Predio Guadiana	CFE	M-2	128.18	128.36	128.27	Arenisca-Lutita	5.00			24.49			5.00											
PC-1a´	Predio Guadiana	CFE	M-2'	128.18	128.36	128.27	Arenisca-Lutita	5.19		4.56	23.61		24.56	4.76	2.86										
PC-1a´	Predio Guadiana	CFE	M-3	128.49	128.73	128.61	Lutita-Arenisca	3.87	1.42	2.28	24.47	25.50	25.08	6.25	12.85	60.70	28398	61			2816	1456	14545	0.32	
PC-1a´	Predio Guadiana	CFE	M-3'	128.49	128.73	128.61	Arenisca-Lutita	3.39			25.22			7.63											
PC-1a´	Predio Guadiana	CFE	M-4	129.99	130.17	130.08	Lutita-Arenisca	3.22	3.68		24.77	24.64		7.50		36.10	16515	82			2509	1229	10174	0.34	
PC-1a´	Predio Guadiana	CFE	M-5	130.87	131.10	130.99	Limolita-Arenisca	6.48		4.92	22.58			2.43											
PC-1a´	Predio Guadiana	CFE	M-5'	130.87	131.10	130.99	Limolita-Arenisca	6.13			23.09			3.23											
PC-1a´	Predio Guadiana	CFE	M-6	131.88	132.20	132.04	Limolita-Arenisca	4.79	3.50		24.90	25.10		4.25		54.20	21281	61			3840.00	1795.00	22425.00	0.36	
PC-1a´	Predio Guadiana	CFE	M-6'	131.88	132.20	132.04	Limolita-Arenisca	4.49			23.46			3.14											
PC-1a´	Predio Guadiana	CFE	M-6a	131.88	132.20	132.04	Limolita-Arenisca	4.77			24.83			3.94											
PC-1a´	Predio Guadiana	CFE	M-7	133.64	133.74	133.69	No se envió	0.20		1.45	12.04		12.67	0.86	2.86										
PC-1a´	Predio Guadiana	CFE	M-7'	133.64	133.74	133.69	No se envió	0.76			11.58			0.84											
PC-1a´	Predio Guadiana	CFE	M-8	134.71	134.87	134.79	Limolita	5.34		4.82	24.14			3.77											
PC-1a´	Predio Guadiana	CFE	M-8'	134.71	134.87	134.79	Limolita	5.64			23.68			3.19											
PC-1a´	Predio Guadiana	CFE	M-8a	134.71	134.87	134.79	Limolita	4.21			24.87			4.29											
PC-1a´	Predio Guadiana	CFE	M-9	136.35	136.49	136.42	Lutita	1.65		1.65	15.26		16.48	0.83	2.86										
PC-1a´	Predio Guadiana	CFE	M-9'	136.35	136.49	136.42	Lutita	1.19			14.28			0.94											
PC-1a´	Predio Guadiana	CFE	M-10	136.59	136.80	136.70	Limolita	6.88		6.61	23.12			1.27											
PC-1a´	Predio Guadiana	CFE	M-10'	136.59	136.80	136.70	Limolita	6.62			22.79			1.32											
PC-1a´	Predio Guadiana	CFE	M-11	138.70	138.86	138.78	Limolita-Arenisca	3.24	2.46		24.98	25.43		4.75		47.20	36772	86							
PC-1a´	Predio Guadiana	CFE	M-12	139.80	140.00	139.90	Lutita-Arenisca	2.61	2.74		25.24	25.22		6.13		66.60	17633	80							
PC-1a´	Predio Guadiana	CFE	M-12'	139.80	140.00	139.90	Arenisca-Lutita	2.64			25.13			8.69											
PC-1a´	Predio Guadiana	CFE	M-13	140.00	140.20	140.10	Arenisca-Lutita	2.14	2.24		25.39	25.37		9.69		82.60	29483	82			4017.00	1896.00	25265	0.36	
PC-1a´	Predio Guadiana	CFE	M-13'	140.00	140.20	140.10	Arenisca-Lutita	1.99			25.52			8.33											
PC-1a´	Predio Guadiana	CFE	M-14	140.20	140.40	140.30	Arenisca-Lutita		2.25			25.19				77.00	22428	73							
PC-1a´	Predio Guadiana	CFE	M-15	141.00	141.28	141.14	Arenisca-Lutita	2.76	1.88	2.01	24.39	25.37	24.30	7.09	47.13	97.20	35412	72							
PC-1a´	Predio Guadiana	CFE	M-15'	141.00	141.28	141.14	Arenisca-Lutita	2.34			25.29			14.78											
PC-1a´	Predio Guadiana	CFE	M-16	142.38	142.60	142.49	Arenisca	2.17	1.59		24.84	25.23		13.51		103.20	38669	76							
PC-1a´	Predio Guadiana	CFE	M-16'	142.38	142.60	142.49	Arenisca	1.94			25.31			16.42											
PC-1a´	Predio Guadiana	CFE	M-17	142.97	143.15	143.06	Arenisca	1.52	1.07		25.41	25.50		18.07		141.70	45968	78							
PC-1a´	Predio Guadiana	CFE	M-18	143.99	144.28	144.14	Arenisca	2.81	1.24		24.51	25.19		7.44		87.80	41458	79							
PC-1a´	Predio Guadiana	CFE	M-18'	143.99	144.28	144.14	Arenisca	1.93			25.23			13.39											
PC-1a´	Predio Guadiana	CFE	M-19	144.44	144.64	144.54	Lutita-Arenisca	5.35	4.16		21.19	24.08		1.75		16.90	12968	84			2672	1179	9422	0.38	
PC-1a´	Predio Guadiana	CFE	M-20	144.92	145.11	145.02	Lutita-Carbonosa	1.02		8.24	13.84			1.11											
PC-1a´	Predio Guadiana	CFE	M-20'	144.92	145.11	145.02	Lutita-Carbonosa	7.45			21.71			0.87											

Barreno	Km	Ejecución	Muestra	Profundidad De (m)	Profundidad A (m)	Prof.Media	Litología (actualización)	ω Rt [%]	ω MC [%]	ω CP [%]	Rt γ_{amb} [kN/m^3]	MC γ_{amb} [kN/m^3]	CP γ_{amb} [kN/m^3]	Pruebas Mecanicas. Tensión Rt [MPa]	CARGA PUNTUAL [MPa]	Compresion simple. Mc [MPa]	Compresion simple. E_{t50} [MPa]	Compresion simple. ANGULO DE FALLA	Compresion simple. MODO DE FALLA	Compresion simple. Modulo de Poisson.	Pruebas Sónicas. Vp. [m/s]	Vs. [m/s]	E_d. [MPa]	Modulo de Poisson. "V"	Abrasividad [CAI]
PC-1a´	Predio Guadiana	CFE	M-21	145.29	145.37	145.33	Lutita	6.64		6.67	23.49		20.22		1.43										
PC-1a´	Predio Guadiana	CFE	M-22	145.57	145.65	145.61	Carbón	4.49			23.14			2.07											
PC-1a´	Predio Guadiana	CFE	M-22'	145.57	145.65	145.61	Carbón	3.45			23.77			2.93											
PC-1a´	Predio Guadiana	CFE	M-23	145.65	145.83	145.74	Carbón	3.21			17.63			2.33											
PC-1a´	Predio Guadiana	CFE	M-23'	145.65	145.83	145.74	Carbón	0.38			11.87			0.47											
PC-1a´	Predio Guadiana	CFE	M-24	146.93	147.16	147.05	Arenisca-Limolita	5.32			25.68			2.74											
PC-1a´	Predio Guadiana	CFE	M-24'	146.93	147.16	147.05	Arenisca-Limolita	5.47			33.85			1.02											
PC-1a´	Predio Guadiana	CFE	M-25	147.20	147.36	147.28	Arenisca-Lutita	4.65		5.24	23.38			1.89											
PC-1a´	Predio Guadiana	CFE	M-25'	147.20	147.36	147.28	Arenisca-Lutita	5.23			20.79			2.10											
PC-1a´	Predio Guadiana	CFE	M-26	147.36	147.53	147.45	Arenisca-Lutita	4.78		4.63	24.66		23.42	2.42	7.14										
PC-1a´	Predio Guadiana	CFE	M-26'	147.36	147.53	147.45	Arenisca-Lutita	4.83			24.36			1.67											
PC-1a´	Predio Guadiana	CFE	M-27	147.53	147.72	147.63	Arenisca-Lutita	4.04		3.75	23.78		24.30	2.30	5.71										
PC-1a´	Predio Guadiana	CFE	M-27'	147.53	147.72	147.63	Arenisca-Lutita	4.26			23.95			1.38											
PC-1a´	Predio Guadiana	CFE	M-28	148.35	148.70	148.53	Arenisca-Lutita	1.94	1.05	1.38	24.56	26.01	24.44	6.68	64.26	128.50	67893	88			5364.00	2529.00	46079	0.36	
PC-1a´	Predio Guadiana	CFE	M-29	151.15	151.26	151.21	No se envió	0.71		0.54	13.43		11.98	0.57	4.29										
PC-1a´	Predio Guadiana	CFE	M-30	151.91	152.05	151.98	Limolita-Arenisca		2.76			25.71				48.10	17727	65							
PC-1a´	Predio Guadiana	CFE	M-31	154.80	155.09	154.95	Arenisca-Lutita	4.74			23.11			1.80											
PC-1a´	Predio Guadiana	CFE	M-31'	154.80	155.09	154.95	Arenisca-Lutita	4.71			23.77			1.88											
PC-1a´	Predio Guadiana	CFE	M-32	156.55	156.68	156.62	Carbón	0.78		1.03	13.87		13.40	1.08	4.28										
PC-1a´	Predio Guadiana	CFE	M-32'	156.55	156.68	156.62	Carbón	0.82			13.27			1.09											
PC-1a´	Predio Guadiana	CFE	M-33'	156.68	156.82	156.75	Lutita-Carbonosa	0.52		0.62	10.90		10.69	1.19	1.43										
PC-1a´	Predio Guadiana	CFE	M-34	157.56	157.74	157.65	Lutita	5.96		5.88	22.80		20.64	0.98	1.43										
PC-1a´	Predio Guadiana	CFE	M34'	157.56	157.74	157.65	Lutita	6.26			23.50			0.83											
PC-1a´	Predio Guadiana	CFE	M35	161.18	161.44	161.31	Lutita-Arenisca	2.75		2.57		24.90				18.60	5308	84			2957	1337	12454	0.37	
PC-1a´	Predio Guadiana	CFE	M36	161.44	161.72	161.58	Lutita-Arenisca	1.74	2.58	3.21	24.75	25.27	24.51	14.06	7.14	62.70	7871	66							
PC-1a´	Predio Guadiana	CFE	M36'	161.44	161.72	161.58	Arenisca-Lutita	2.03			23.98			7.27											
PC-1a´	Predio Guadiana	CFE	M37	163.43	163.64	163.54	No se envió			1.81			14.89		4.29										
PC-1a´	Predio Guadiana	CFE	M38	163.76	163.88	163.82	Carbón	1.42		3.08	18.21		21.84	1.55	7.17										
PC-1a´	Predio Guadiana	CFE	M39	163.04	163.20	163.12	Arenisca-Lutita		1.52	2.40		24.46	17.57		12.90	74.10	18839	80			4789.00	2308.00	35829	0.35	
PC-2	Predio IMMSA	CFE	M 18	50.30	50.53	50.42	Limolita		4.79			23.96				23.80		58	MATRIZ						
PC-2	Predio IMMSA	CFE	M 28	81.90	82.05	81.98	Limolita		5.54			24.61				32.10		-	MATRIZ						
PC-2	Predio IMMSA	CFE	M 30b	87.48	87.72	87.60	Lutita-Limolita	6.21	7.00	6.43	23.63	23.08	23.18	1.24	10.40	50.70		59	MATRIZ						
PC-2	Predio IMMSA	CFE	M 32a	93.70	93.87	93.79	Limolita		5.22			24.15				17.90		80	MATRIZ						
PC-5	Predio IMMSA	CFE	M-32b	86.60	87.02	86.81	Limolita-Lutita		4.44			24.16				56.90		38	MATRIZ						
PC-5	Predio IMMSA	CFE	M-36a	97.40	97.66	97.53	Lutita-Carbonosa	4.99	5.21	4.28	23.12	21.70	22.33	2.64	7.60	43.50		77	MATRIZ						
PC-5	Predio IMMSA	CFE	M-49a	138.45	138.88	138.67	Carbón	0.52	0.34	1.12	11.60	13.79	13.04	-	1.87	9.70		-	-						
PC-5	Predio IMMSA	CFE	M-49c	139.14	139.32	139.23	Carbón		1.29			12.96				7.90		-	-						
PC-5	Predio IMMSA	CFE	M-50a	140.06	140.29	140.18	Carbón		2.63			18.37				19.70		-	-						
PC-5	Predio IMMSA	CFE	M50b	140.36	140.56	140.46	Carbón		1.00			14.18				6.90		-	-						
PC-10	Predio Raul Flores	CFE	M-25b	66.91	67.01	66.96	Limolita		5.01			24.34				10.00		67	MATRIZ						
PC-10	Predio Raul Flores	CFE	M-25c	67.36	67.46	67.41	Limolita		4.35			24.75				22.20		60	MATRIZ						
PC-10	Predio Raul Flores	CFE	M-46a	117.97	118.07	118.02	Carbón		2.77			13.81				10.00		-	-						
PC-10	Predio Raul Flores	CFE	M-56a	146.13	146.23	146.18	Carbón		1.21			12.73				2.60		-	-						
PC-20	Predio Guajardo	CFE	M-1	17.61	17.91	17.76	Arenisca-Limolita	5.48		4.68	23.88		24.18	2.30	25.15										
PC-20	Predio Guajardo	CFE	M-2	21.23	21.38	21.31	Limolita	7.65		6.30	23.87		23.95	1.41	19.57										
PC-20	Predio Guajardo	CFE	M-3	26.17	26.67	26.42	Arenisca		1.92			23.37				92.30	17011	75							
PC-20	Predio Guajardo	CFE	M-4	28.42	28.83	28.63	Arenisca	3.84	1.73		24.00	24.18		8.39		82.60	18104	65							
PC-20	Predio Guajardo	CFE	M-5	30.02	30.37	30.20	Arenisca		1.90			23.47				118.10	23827	64							
PC-20	Predio Guajardo	CFE	M-6	39.28	39.71	39.50	Arenisca-Limolita	4.18		4.02	24.54		24.95	3.78	24.05										
PC-20	Predio Guajardo	CFE	M-7	42.45	42.84	42.65	Lutita-Arenisca	4.77	3.84		24.05	24.51		2.18		54.20	8238	67							
PC-20	Predio Guajardo	CFE	M-7	42.84	43.12	42.98	Limolita-Arenisca		4.04			24.59				54.70	15673	70							
PC-20	Predio Guajardo	CFE	M-9	46.46	46.84	46.65	Arenisca-Limolita	3.84		2.09	24.47		25.08	3.77	15.87										
PC-20	Predio Guajardo	CFE	M-10	47.68	48.06	47.87	Limolita-Arenisca	4.80	2.37		23.04	23.66		6.77		41.40	16168	82							
PC-20	Predio Guajardo	CFE	M-11	51.20	51.55	51.38	Limolita	7.92			23.18			0.73											
PC-20	Predio Guajardo	CFE	M-12	52.32	52.56	52.44	Limolita	5.72			24.18			2.46											
PC-20	Predio Guajardo	CFE	M-13	54.37	54.90	54.64	Arenisca-Limolita	4.42		5.49	24.39		24.10	3.17	19.22										
PC-20	Predio Guajardo	CFE	M-14	56.68	56.94	56.81	Arenisca-Limolita		1.69			24.83				99.50	25457	73							
PC-20	Predio Guajardo	CFE	M-15	60.84	61.28	61.06	Limolita	5.95			24.10			2.30											
PC-20	Predio Guajardo	CFE	M-16	66.59	66.98	66.79	Arenisca	3.53	2.28		24.79	25.25		10.17		108.70	20854	60							
PC-20	Predio Guajardo	CFE	M-17	69.50	69.83	69.67	Arenisca-Limolita		2.65			25.08				80.20	23579	75							
PC-20	Predio Guajardo	CFE	M-18	73.03	73.51	73.27	Arenisca	4.05	1.96		24.63	25.53		6.00		153.50	24456	88							
PC-20	Predio Guajardo	CFE	M-19	86.57	86.85	86.71	Arenisca-Limolita	5.72			23.83			2.33											
PC-20	Predio Guajardo	CFE	M-20	88.18	88.93	88.56	No se envió	0.94	0.97		25.67	26.10		14.96		160.20	47500	83							
PC-20	Predio Guajardo	CFE	M-21	94.94	95.54	95.24	Arenisca		1.99			24.32				75.80	22400	74							
PC-20	Predio Guajardo	CFE	M-22	101.79	102.13	101.96	Arenisca-Lutita	4.34	3.58		24.41	24.84		5.51		69.60	20500	74							
PC-20	Predio Guajardo	CFE	M-24	109.41	109.69	109.55	Arenisca-Lutita	4.52	4.02		24.55		24.63	4.59	16.46										
PC-20	Predio Guajardo	CFE	M-25	111.29	111.44	111.37	Arenisca-Lutita	4.07	3.73		24.15	24.62		5.52		84.80	24900	76							
PC-20	Predio Guajardo	CFE	M-26	114.21	114.59	114.40	Arenisca-Lutita	3.85	1.38		24.43	25.53		7.85		64.50	19000	82							
PC-20	Predio Guajardo	CFE	M-27	116.66	116.89	116.78	Lutita-Carbonosa	5.93			19.17			2.07											
PC-20	Predio Guajardo	CFE	M-28	123.12	123.44	123.28	Lutita	6.02			23.11			2.15											
PC-20	Predio Guajardo	CFE	M-29	124.65	124.93	124.79	Lutita-Arenisca	3.60		3.49	24.10		24.69	2.41	14.16										
PC-20	Predio Guajardo	CFE	M-30	128.73	129.01	128.87	Arenisca-Lutita	6.04		3.93	23.95		24.78	5.90	32.28										
PC-20	Predio Guajardo	CFE	M-31	132.60	132.75	132.68	Lutita-Arenisca		0.35			27.63				27.20	8000	68							
PC-20	Predio Guajardo	CFE	M-32	134.96	135.27	135.12	Arenisca	1.67	1.15		25.66	26.06		14.37		106.30	31200	86							
PC-20	Predio Guajardo	CFE	M-33	135.27	135.55	135.41	No se envió			0.80			25.81		72.10										
PC-20	Predio Guajardo	CFE	M-34	136.99	137.22	137.11	Arenisca-Lutita	3.99			23.74			2.73											
PC-13B	Predio IMMSA	CFE	M7 MC	14.4	14.8	14.60	Arenisca		0.43			22.58				97.8	16906				5720	2742	46827	0.35	
PC-13B	Predio IMMSA	CFE	M10 RT	23.3	23.5	23.40	Limolita	4.03			24.56			4.22											
PC-13B	Predio IMMSA	CFE	M11 RT	24.15	24.9	24.53	Limolita-Arenisca	4.69			24.16			2.36											
PC-13B	Predio IMMSA	CFE	M11´ MC	25.90	26.08	25.99	Limolita-Arenisca		3.75			24.08				29.4	7031				3331	1452	14282	0.38	
PC-13B	Predio IMMSA	CFE	M12 RT	27.55	28.05	27.80	Limolita-Arenisca	3.33	4.19		24.3	23.96		3.51		24.7	9552								
PC-13B	Predio IMMSA	CFE	M12' RT	29.25	29.55	29.40	Arenisca	1.79	1.75		23.7	24.99		4.44		87.1	15562				3914	1807	22677	0.36	
PC-13B	Predio IMMSA	CFE	M13' RT	30.98	31.26	31.12	Arenisca	0.73	0.52		23.3	24.23		11.66		116.9	21552				5211	2467	40419	0.36	
PC-13B	Predio IMMSA	CFE	M14 MC	34.2	34.4		Limolita-Arenisca		3.37			24.7				23.6	6394								
PC-13B	Predio IMMSA	CFE	M15 RT	37.15	37.45	37.30	Arenisca	2.63	1.5		24.75	25.5		4.69		165.8	30359				5248	2614	47492	0.34	
PC-13B	Predio IMMSA	CFE	M17 RT	40.14	40.5	40.32	Arenisca	2.52	1.84		24.57	24.95		7.76		129.4	19237				5534	2922	56663	0.31	
PC-13B	Predio IMMSA	CFE	M19 RT	47.68	47.88	47.78	Lutita	6.27			23.1			2.58											
PC-13B	Predio IMMSA	CFE	M22 RT	51.4	51.7	51.55	Limolita	5.66	4.02		22.35	24.48		2.62		27.5	8880				3253	1426	14046	0.38	
PC-13B	Predio IMMSA	CFE	M24 MC	58.85	59.05	58.95	Limolita		4.42			24.4				30.01	6812				2961	1309	11688	0.38	

Barreno	Km	Ejecución	Muestra	Profundidad De (m)	Profundidad A (m)	Prof.Media	Litología (actualización)	ω Rt [%]	ω MC [%]	ω CP [%]	Rt γ_{amb} [kN/m^3]	MC γ_{amb} [kN/m^3]	CP γ_{amb} [kN/m^3]	Pruebas Mecanicas. Tensión Rt [MPa]	CARGA PUNTUAL [MPa]	Compresion simple. Mc [MPa]	Compresion simple. E_{t50} [MPa]	Compresion simple. ANGULO DE FALLA	Compresion simple. MODO DE FALLA	Compresion simple. Modulo de Poisson.	Pruebas Sónicas. Vp. [m/s]	Vs. [m/s]	E_d [MPa]	Modulo de Poisson. "V"	Abrasividad [CAI]
PC-13B	Predio IMMSA	CFE	M25 RT	60.25	60.57	60.41	Limolita-Arenisca	4.69	3.64		24.71	24.62		4.85		41.2	7670				2673	1236	10473	0.36	
PC-13B	Predio IMMSA	CFE	M26 RT	63.46	63.79	66.63	Limolita-Arenisca	5.42	3.43		24.22	24.75		4.71		54.7	6772				3175	1392	13522	0.38	
PC-13B	Predio IMMSA	CFE	M26' RT	63.79	64.05	63.92	Limolita-Arenisca	4.39	3.27		23.43	24.43		4.81		50.1	7586				3932	1856	23312	0.36	
PC-13B	Predio IMMSA	CFE	M26" RT	65.35	65.85	65.60	Limolita	3.67			24.14			3.33											
PC-13B	Predio IMMSA	CFE	M27 RT	67.57	68.12	67.85	Lutita	6.5			23.77			3.46											
PC-13B	Predio IMMSA	CFE	M27' RT	68.94	69.25	69.10	Lutita-Carbonosa	5.61	4.41		22.71	24.15		1.36		12.7	3328								
PC-13B	Predio IMMSA	CFE	M28 RT	69.58	70.08	69.83	Lutita-Arenisca	4.48	3.23		23.41	24.35		5.22		46.1	8808				3661	1694	19398	0.36	
PC-13B	Predio IMMSA	CFE	M28' RT	70.84	71.26	71.05	Arenisca	1.38	1.67		25.44	25.57		14.35		90.3	18621				5859	2742	53203	0.36	
PC-13B	Predio IMMSA	CFE	M30 RT	74.95	75.3	75.13	Limolita		3.83			24.19				9.7	3782								
PC-13B	Predio IMMSA	CFE	M30 RT	77.1	77.7	77.40	Limolita	1.55			26.13			7.88											
PC-13B	Predio IMMSA	CFE	M32 RT	81.82	82.24	82.03	Lutita	7.21			23.65			2.25											
PC-13B	Predio IMMSA	CFE	M32' RT	83.03	83.33	83.18	Arenisca-Lutita	3.06	3		24.17	24.37		5.62		61	8359				3022	1541	15591	0.32	
PC-13B	Predio IMMSA	CFE	M33 RT	85.03	85.4	85.22	Arenisca	1.34	1.42		25.12	25.44		15.66		129	25440				5553	2823	54702	0.33	
PC-13B	Predio IMMSA	CFE	M34 RT	87.15	87.55	87.35	Arenisca	1.95			24.94			10.78							6081	3162	68200	0.31	
PC-13B	Predio IMMSA	CFE	M34' RT	89.55	89.88	89.72	Lutita	5.35			22.67			2.01											
PC-13B	Predio IMMSA	CFE	M35 RT	90.57	90.87	90.72	Arenisca-Lutita	5.05	4.01		23.68	23.94		3.15		63	7580				2586	1199	9580	0.36	
PC-13B	Predio IMMSA	CFE	M35' RT	91.7	92.2	91.95	Arenisca-Lutita	3.19			24.01			5.08											
PC-13B	Predio IMMSA	CFE	M35" RT	92.45	92.85	92.65	Arenisca-Lutita	3.6	2.95		23.09	22.91		3.97		61.6	10294				2768	1304	10776	0.36	
PC-13B	Predio IMMSA	CFE	M36 RT	94.12	94.45	94.29	Arenisca-Lutita	4.1	3.01		23.46	24.73		6.65		92	18692				3182	1587	16924	0.33	
PC-13B	Predio IMMSA	CFE	M36' RT	95.27	95.5	95.39	Arenisca	1.25	1.03		25.19	25.55		11.31		186.1	25393				4321	2029	29187	0.36	
PC-13B	Predio IMMSA	CFE	M37' RT	97.56	98	97.78	Lutita	6.3			23.56			4.12											
PC-13B	Predio IMMSA	CFE	M37" RT	98.15	98.75	98.45	Arenisca-Lutita	3.61	3.57		24.51	24.78		4.6		63.4	10085				2562	1190	9757	0.36	
PC-13B	Predio IMMSA	CFE	M38 RT	99.6	99.9	99.75	Limolita-Arenisca	4.66			23.71			1.74											
PC-13B	Predio IMMSA	CFE	M39 MC	99.8	100.27	100.04	Arenisca		2.27			25.33				97.1	15473				4070	1918	25742	0.36	
PC-13B	Predio IMMSA	CFE	M39' RT	100.72	107.07	103.90	Lutita	5.77			25.62			0.91											
PC-13B	Predio IMMSA	CFE	M39" RT	101.35	101.76	101.56	Lutita-Carbonosa	4.86	4.17		23.38	23.64		3.5		35.9	5818				2475	1152	8726	0.36	
PC-13B	Predio IMMSA	CFE	M40 RT	103.05	103.23	103.14	Carbón	1.55	0.71		14.16	13.88		0.12		7.2	2214								
PC-13B	Predio IMMSA	CFE	M40' RT	105.63	106	105.82	Limolita-Arenisca	5.98			23.47			0.89											
PC-13B	Predio IMMSA	CFE	M42 RT	110.86	111.31	111.09	Arenisca	1.64	1.03		24.6	25.25		16.6		121.6	17440				6250	3043	64101	0.34	
PC-13B	Predio IMMSA	CFE	M43 RT	114.65	115	114.83	Arenisca	1.35	1.11		24.87	25.33		12.1		115.1	24159				5966	3102	65458	0.31	
PC-13B	Predio IMMSA	CFE	M44 RT	116.85	117.24	117.05	Limolita-Arenisca	6.06			23.63			2.82											
PC-13B	Predio IMMSA	CFE	M44' RT	117.73	117.92	117.83	Lutita-Carbonosa	4.86			23.13			3.37											
PC-13B	Predio IMMSA	CFE	M47 RT	126.5	127	126.75	Lutita-Arenisca	1.92	1.73		25.18	25.27		8.39		60.8	12739				2866	1430	14059	0.33	
PC-13B	Predio IMMSA	CFE	M48 RT	128.1	128.55	128.33	Lutita-Arenisca	1.76	2.08		25.09	24.86		3.18		59.2	6812				3071	1500	15318	0.34	
PC-13B	Predio IMMSA	CFE	M49 RT	129.4	129.8	129.60	Arenisca-Lutita	1.36	1.69		24.94	25.03		13.09		72.9	10066				3162	1578	16944	0.33	
PC-15	Predio Guajardo	CFE	M-31a	74.99	75.32	75.16	Limolita	3.75	-	4.11	25.03	25.32	24	1.77											
PC-15	Predio Guajardo	CFE	M-35a	85.9	86.05	85.98	Limolita	24.19			24.19			1.18											
PC-15	Predio Guajardo	CFE	M-40a	100.96	101.16	101.06	Limolita		4.69			24.64				56.2									
PC-15	Predio Guajardo	CFE	M-40b	101.16	101.51	101.34	Limolita	4.49	4.35	5.69	24.73	24.68	24.26	3.53		33.8		57	Matriz						
PC-15	Predio Guajardo	CFE	M-41a	103.18	103.35	103.27	Limolita		8.49			23.37				33.8		61	Matriz						
PC-15	Predio Guajardo	CFE	M-42a	105.26	105.53	105.40	Limolita-Lutita		4.99			24.13				51.7		-	Estalló						
PC-15	Predio Guajardo	CFE	M-43b	108	108.3	108.15	Lutita-Carbonosa	5.45	4.67	6.12	23.24	23.34	23.21	3.14		26.2		39	Matriz						
PC-15	Predio Guajardo	CFE	M-43c	108.43	108.81	108.62	Lutita-Carbonosa	7.57	4.31	7.95	22.89	23.57	22.73	1.86		33.2		36	Matriz						
PC-15	Predio Guajardo	CFE	M-44a	110.33	110.63	110.48	Limolita	5.14		5.83	23.79	24.32	23.94	2.65											
PC-15	Predio Guajardo	CFE	M-45a	113.33	113.51	113.42	Limolita		6.93			23.73				32.2		63	Matriz						
PC-15	Predio Guajardo	CFE	M-45b	113.84	114.1	113.97	Limolita		6.92			23.76				48.6		65	Matriz						
PC-15	Predio Guajardo	CFE	M-45c	115.51	115.74	115.625	Lutita-Carbonosa	6.56	7.42		22.98	22.95		0.98		35.3		67	Matriz						
PC-15	Predio Guajardo	CFE	M-46a	117.89	118.18	118.035	Limolita	6.17	5.82	6.31	23.67	24.52	24.07	1.57		38.8		67	Matriz						
PC-15	Predio Guajardo	CFE	M-46b Rc1	118.42	118.81	118.615	Limolita		3.39	3.51		24.91	25.14			55.9		54	Matriz						
PC-15	Predio Guajardo	CFE	M-46b Rc2	118.42	118.81	118.615	Limolita		-			24.52													
PC-15	Predio Guajardo	CFE	M-46c	119.07	119.17	119.12	Carbón			1.23			14.43												
PC-15	Predio Guajardo	CFE	M-47a	119.97	120.36	120.165	Limolita-Arenisca	5.66	5.62	6.04	23.99	24.64	23.6	6.18		64.7		-	Estalló						
PC-15	Predio Guajardo	CFE	M-47b	121.11	121.33	121.22	Lutita-Arenisca	6.4	4.9		24.57	24.38		4.91		54.8		67	Matriz						
PC-15	Predio Guajardo	CFE	M-47c	121.33	121.59	121.46	Limolita		5.79			24.21				46.6		-	Estalló						
PC-15	Predio Guajardo	CFE	M-47d	122.02	122.25	122.135	Lutita-Limolita	6.26	4.77		22.88	24.75		0.29		31.7		60	Matriz						
PC-15	Predio Guajardo	CFE	M-48a	123.72	124.06	123.89	Lutita-Carbonosa	5.07	4.06	5.18	32.66	23.64	22.67	2.06		35.9		65	Matriz						
PC-15	Predio Guajardo	CFE	M-48b	124.12	124.44	124.28	Lutita-Carbonosa	5.75	3.99	5.19	23.95	24.34	24.1	1.28		52.1		57	Matriz						
PC-15	Predio Guajardo	CFE	M-49a	125.92	126.15	126.035	Lutita-Limolita	4.48	3.41		24.3	24.68		1.86		34.1		44	Matriz						
PC-15	Predio Guajardo	CFE	M-50a	129.37	129.55	129.46	Limolita		5.88			24.36				45.5		61	Matriz						
PC-15	Predio Guajardo	CFE	M-50b	124.87	130.05	127.46	Limolita-Lutita		6.15			23.35				39.3		56	Matriz						
PC-15	Predio Guajardo	CFE	M-50c	130.28	130.56	130.42	Limolita	4.64	-		24.36	25.26		2.75											
PC-15	Predio Guajardo	CFE	M-51b	131.87	132.08	131.975	Carbón	0.55	2.76		13.19	15.15		0.49		8.9		-	Estalló						
PC-15	Predio Guajardo	CFE	M-52b	134.42	134.75	134.585	Limolita-Lutita	3.96	3.89	4.17	24.55	24.9	24.36	2.35		35.5		-	Estalló						
PC-15	Predio Guajardo	CFE	M-52c	134.76	135.02	134.89	Lutita-Limolita	3.6	3.67	3.78	24.47	24.61	24.32	1.67		37.9		-	Estalló						
PC-15	Predio Guajardo	CFE	M-52d	135.84	136.13	135.985	Lutita-Limolita	4.78	4.48		23.44	23.93		1.28		36.2		46	Matriz						
PC-15	Predio Guajardo	CFE	M-55a	141	141.2	141.1	Carbón	0.56	0.47		12	12.45		0.2		9.3		-	Estalló						
PC-15	Predio Guajardo	CFE	M-55b	141.35	141.8	141.575	Lutita-Carbonosa	4.45	2.35	3.08	16.07	19.73	18.06	0.29		30.3		70	Matriz						
PC-15	Predio Guajardo	CFE	M-55b Cp2	141.35	141.8	141.575	Carbón			0.62			14.56												
PC-15	Predio Guajardo	CFE	M-55c	142.2	142.35	142.275	Carbón		1.12			13.93				12.8		71	Matriz						
PC-15	Predio Guajardo	CFE	M-55d	142.35	142.57	142.46	Carbón		0.87	0.64		12.16	12.95			15.7		-	Estalló						
PC-15	Predio Guajardo	CFE	M-55e	142.57	142.67	142.62	Carbón			5.5			23.17												
PC-12	Predio IMMSA	CFE	M-52a	141.07	141.23	141.15	Carbón		0.75			14.4				14		64º	Matriz						
PC-12	Predio IMMSA	CFE	M-52b	141.23	141.38	141.305	Carbón		0.15			12.22				4.5		80º	Matriz						
PC-12	Predio IMMSA	CFE	M-52c	141.7	141.86	141.78	Carbón		1.6			16.56				8.3		61º	Matriz						
PCT-1	Predio Raul Flores	CFE	M 15	34.05	34.3	34.175	Lutita-Limolita					24.96				22.1		49	MATRIZ						
PCT-1	Predio Raul Flores	CFE	M 23	56.17	56.3	56.235	Limolita					23.94				14.5		63	MATRIZ						
PCT-1	Predio Raul Flores	CFE	M 25b	63.96	64.09	64.025	Limolita					24.08				31.7		72	MATRIZ						
PC-9	Predio Raul Flores	CFE	M 47	144.36	144.53	144.445	Lutita-Carbonosa		2.83			23.48				57.6		64	Matriz						
PC-9	Predio Raul Flores	CFE	M 46 a	140.89	141.03	140.96	Lutita-Carbonosa		5.52			23.7				46.2		65	Matriz						
PC-9	Predio Raul Flores	CFE	M 45a	137.81	137.94	137.875	Lutita-Carbonosa		6.53			22.73				22.4		65	Matriz						
PC-9	Predio Raul Flores	CFE	M 43g	132.75	132.88	132.815	Lutita		5.1			24.15				29.1		73	Matriz						
PC-9	Predio Raul Flores	CFE	M 35c	107.79	107.95	107.87	Lutita-Carbonosa		8.43			22.72				11.4		51	Matriz						
PC-9	Predio Raul Flores	CFE	M 35d	106.9	107.05	106.975	Lutita-Carbonosa		9.06			21.57				8.3		36	Matriz						
PC-8A	Predio Raul Flores	CFE	M 55e	148.29	148.44	148.365	Carbón		0.85			11.94				2.8		76	Matriz						
PC-8A	Predio Raul Flores	CFE	M 55d	148.05	148.29	148.17	Carbón		0.91			13.46				7.2		81	Matriz						
PC-8A	Predio Raul Flores	CFE	M 55b	147.26	147.4	147.33	Carbón		0.85			12.87				8.6		66	Matriz						
PC-8A	Predio Raul Flores	CFE	M 31	84.15	84.31	84.23	Limolita		3.7			25.01				28.6		-	Estalló						