



ESTACA		600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
COTA DO TERRENO NATURAL(m)		468.57	486.84	487.77	486.04	486.98	485.40	486.43	484.77	485.72	484.24	488.09	483.71	484.06	483.39	484.31	483.07	484.05	482.49	483.51	482.81	481.86	482.81	481.38	482.51	480.76	481.71	479.49	480.48	478.35	479.31	477.32	478.37	476.28	475.22	476.17	474.87	476.84	477.60	475.16	474.21	475.16	476.84	478.74	480.86	481.91	483.88	484.92	486.96	488.00	489.04	490.08	491.12	492.16	493.20	494.24	495.28	496.32	497.36	498.40	499.44	500.48	501.52	502.56	503.60	504.64	505.68	506.72	507.76	508.80	509.84	510.88	511.92	512.96	514.00	515.04	516.08	517.12	518.16	519.20	520.24	521.28	522.32	523.36	524.40	525.44	526.48	527.52	528.56	529.60	530.64	531.68	532.72	533.76	534.80	535.84	536.88	537.92	538.96	540.00	541.04	542.08	543.12	544.16	545.20	546.24	547.28	548.32	549.36	550.40	551.44	552.48	553.52	554.56	555.60	556.64	557.68	558.72	559.76	560.80	561.84	562.88	563.92	564.96	565.00	566.04	567.08	568.12	569.16	570.20	571.24	572.28	573.32	574.36	575.40	576.44	577.48	578.52	579.56	580.60	581.64	582.68	583.72	584.76	585.80	586.84	587.88	588.92	589.96	591.00	592.04	593.08	594.12	595.16	596.20	597.24	598.28	599.32	600.36	601.40	602.44	603.48	604.52	605.56	606.60	607.64	608.68	609.72	610.76	611.80	612.84	613.88	614.92	615.96	616.00	617.04	618.08	619.12	620.16	621.20	622.24	623.28	624.32	625.36	626.40	627.44	628.48	629.52	630.56	631.60	632.64	633.68	634.72	635.76	636.80	637.84	638.88	639.92	640.96	641.00	642.04	643.08	644.12	645.16	646.20	647.24	648.28	649.32	650.36	651.40	652.44	653.48	654.52	655.56	656.60	657.64	658.68	659.72	660.76	661.80	662.84	663.88	664.92	665.96	666.00	667.04	668.08	669.12	670.16	671.20	672.24	673.28	674.32	675.36	676.40	677.44	678.48	679.52	680.56	681.60	682.64	683.68	684.72	685.76	686.80	687.84	688.88	689.92	690.96	691.00	692.04	693.08	694.12	695.16	696.20	697.24	698.28	699.32	700.36	701.40	702.44	703.48	704.52	705.56	706.60																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
COTA DA GERATRIZ INFERIOR DO TUBO(m)		467.64	485.91	486.84	485.04	485.98	484.40	485.43	483.77	484.72	483.24	485.61	481.28	481.63	480.96	481.88	480.64	481.62	479.96	480.98	479.96	478.91	479.96	478.48	479.61	477.39	478.34	476.12	477.07	474.85	475.80	473.67	474.62	472.50	471.45	472.40	470.92	471.87	469.65	470.60	468.38	469.33	467.11	468.06	465.84	466.79	464.57	465.52	463.30	464.25	462.03	462.98	460.76	461.71	459.49	460.44	458.22	459.17	456.95	457.90	455.68	456.63	454.41	455.36	453.14	454.09	451.87	452.82	450.60	451.55	449.33	450.28	448.06	449.01	446.79	447.74	445.52	446.47	444.25	445.20	442.98	443.93	441.71	442.66	440.44	441.39	439.17	440.12	437.90	438.85	436.63	437.58	435.36	436.31	434.09	435.04	432.82	433.77	431.55	432.50	430.28	431.23	429.01	430.00	427.78	428.73	426.51	427.46	425.24	426.19	423.97	424.92	422.70	423.65	421.43	422.38	420.16	421.11	418.89	419.84	417.62	418.57	416.35	417.30	415.08	416.03	413.81	414.76	412.54	413.49	411.27	412.22	410.00	410.95	408.73	409.68	407.46	408.41	406.19	407.14	404.92	405.87	403.65	404.60	402.38	403.33	401.11	402.06	399.84	400.79	398.57	399.52	397.30	398.25	396.03	396.98	394.76	395.71	393.49	394.44	392.22	393.17	390.95	391.90	389.68	390.63	388.41	389.36	387.14	388.09	385.87	386.82	384.60	385.55	383.33	384.28	382.06	383.01	380.79	381.74	379.52	380.47	378.25	379.20	376.98	377.93	375.71	376.66	374.44	375.39	373.17	374.12	371.90	372.85	370.63	371.58	369.36	370.31	368.09	369.04	366.82	367.77	365.55	366.50	364.28	365.23	363.01	363.96	361.74	362.69	360.47	361.42	359.20	360.15	357.93	358.88	356.66	357.61	355.39	356.34	354.12	355.07	352.85	353.80	351.58	352.53	350.31	351.26	349.04	350.00	347.78	348.73	346.51	347.46	345.24	346.19	343.97	344.92	342.70	343.65	341.43	342.38	340.16	341.11	338.89	339.84	337.62	338.57	336.35	337.30	335.08	336.03	333.81	334.76	332.54	333.49	331.27	332.22	330.00	330.95	328.73	329.68	327.46	328.41	326.19	327.14	324.92	325.87	323.65	324.60	322.38	323.33	321.11	322.06	319.84	320.79	318.57	319.52	317.30	318.25	316.03	316.98	314.76	315.71	313.49	314.44	312.22	313.17	310.95	311.90	309.68	310.63	308.41	309.36	307.14	308.09	305.87	306.82	304.60	305.55	303.33	304.28	302.06	303.01	300.79	301.74	299.52	300.47	298.25	299.20	296.98	297.93	295.71	296.66	294.44	295.39	293.17	294.12	291.90	292.85	290.63	291.58	289.36	290.31	288.09	289.04	286.82	287.77	285.55	286.50	284.28	285.23	283.01	283.96	281.74	282.69	280.47	281.42	279.20	280.15	277.93	278.88	276.66	277.61	275.39	276.34	274.12	275.07	272.85	273.80	271.58	272.53	270.31	271.26	269.04	270.00	267.78	268.73	266.51	267.46	265.24	266.19	263.97	264.92	262.70	263.65	261.43	262.38	260.16	261.11	258.89	259.84	257.62	258.57	256.35	257.30	255.08	256.03	253.81	254.76	252.54	253.49	251.27	252.22	250.00	250.95	248.73	249.68	247.46	248.41	246.19	247.14	244.92	245.87	243.65	244.60	242.38	243.33	241.11	242.06	239.84	240.79	238.57	239.52	237.30	238.25	236.03	236.98	234.76	235.71	233.49	234.44	232.22	233.17	230.95	231.90	229.68	230.63	228.41	229.36	227.14	228.09	225.87	226.82	224.60	225.55	223.33	224.28	222.06	223.01	220.79	221.74	219.52	220.47	218.25	219.20	216.98	217.93	215.71	216.66	214.44	215.39	213.17	214.12	211.90	212.85	210.63	211.58	209.36	210.31	208.09	209.04	206.82	207.77	205.55	206.50	204.28	205.23	203.01	203.96	201.74	202.69	200.47	201.42	199.20	200.15	197.93	198.88	196.66	197.61	195.39	196.34	194.12	195.07	192.85	193.80	191.58	192.53	190.31	191.26	189.04	190.00	187.78	188.73	186.51	187.46	185.24	186.19	183.97	184.92	182.70	183.65	181.43	182.38	180.16	181.11	178.89	179.84	177.62	178.57	176.35	177.30	175.08	176.03	173.81	174.76	172.54	173.49	171.27	172.22	170.00	170.95	168.73	169.68	167.46	168.41	166.19	167.14	164.92	165.87	163.65	164.60	162.38	163.33	161.11	162.06	159.84	160.79	158.57	159.52	157.30	158.25	156.03	156.98	154.76	155.71	153.49	154.44	152.22	153.17	150.95	151.90	149.68	150.63	148.41	149.36	147.14	148.09	145.87	146.82	144.60	145.55	143.33	144.28	142.06	143.01	140.79	141.74	139.52	140.47	138.25	139.20	136.98	137.93	135.71	136.66	134.44	135.39	133.17	134.12	131.90	132.85	130.63	131.58	129.36	130.31	128.09	129.04	126.82	127.77	125.55	126.50	124.28	125.23	123.01	123.96	121.74	122.69	120.47	121.42	119.20	120.15	117.93	118.88	116.66	117.61	115.39	116.34	114.12	115.07	112.85	113.80	111.58	112.53	110.31	111.26	109.04	110.00	107.78	108.73	106.51	107.46	105.24	106.19	103.97	104.92	102.70	103.65	101.43	102.38	100.16	101.11	98.89	99.84	97.62	98.57	96.35	97.30	95.08	96.03	93.81	94.76	92.54	93.49	91.27	92.22	90.00	90.95	88.73	89.68	87.46	88.41	86.19	87.14	84.92	85.87	83.65	84.60	82.38	83.33	81.11	82.06	79.84	80.79	78.57	79.52	77.30	78.25	76.03	76.98	74.76	75.71	73.49	74.44	72.22	73.17	70.95	71.90	69.68	70.63	68.41	69.36	67.14	68.09	65.87	66.82	64.60	65.55	63.33	64.28	62.06	63.01	60.79	61.74	59.52	60.47	58.25	59.20	56.98	57.93	55.71	56.66	54.44	55.39	53.17	54.12	51.90	52.85	50.63	51.58	49.36	50.31	48.09	49.04	46.82	47.77	45.55	46.50	44.28	45.23	43.01	43.96	41.74	42.69	40.47	41.42	39.20	40.15	37.93	38.88	36.66	37.61	35.39	36.34	34.12	35.07	32.85	33.80	31.58	32.53	30.31	31.26	29.04	30.00	27.78	28.73	26.51	27.46	25.24	26.19	23.97	24.92	22.70	23.65	21.43	22.38	20.16	21.11	18.89	19.84	17.62	18.57	16.35	17.30	15.08	16.03	13.81	14.76	12.54	13.49	11.27	12.22	10.00	10.95	8.73	9.68	7.46	8.41	6.19	7.14	4.92	5.87	3.65	4.60	2.38	3.33	1.11	2.06	0.84	1.79	0.57	1.52	0.35	1.30	0.13	1.08	0.95	0.73	0.68	0.46	0.41	0.19	0.14	0.92	0.87	0.65	0.60	0.38	0.33	0.11	0.06	0.84	0.79	0.57	0.52	0.30	0.25	0.03	0.98	0.92	0.70	0.65	0.43	0.38	0.16	0.11	0.89	0.84	0.62	0.57	0.35	0.30	0.08	0.03	0.81	0.76	

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