CALCULO DE POTENCIAL DE LICUEFACCION

PROYECTO DISEÑO Y CONSTRUCCION VIA CORREGIMIENTO PUERTO VILLAMIZAR MUNICIPIO DE SAN JOSE DE CUCUTA, NORTE DE SANTADER

ANEXO 14

D (m)	Ysat (kN/m3)	σ_{vo} (kN/m2)	Yw (kN/m3)	U (kN/m3)	σ'_{vo}	Π	amax/g	σvo/σ´vo	D2 (m2)	rd	SPT(N60)	CSR	N1	A	N1(0.755)	e*N1*0,06	Tl	FS	Tipo de zona
0,5	21,56	10,7800000	9,8000000	4,9000000	5,8800000	0,6500000	0,3500000	1,8333333	0,2500000	0,9961750	7,4000000	0,4154880	30,5170857	0,0050000	13,2077855	6,2402805	2,4231564	5,8320734	Sin licuefaccion
0,6	21,56	12,9360000	9,8000000	5,8800000	7,0560000	0,6500000	0,3500000	1,8333333	0,3600000	0,9954100	7,4000000	0,4151689	27,8581603	0,0050000	12,3293189	5,3200868	2,3141227	5,5739305	Sin licuefaccion
0,7	21,56	15,0920000	9,8000000	6,8600000	8,2320000	0,6500000	0,3500000	1,8333333	0,4900000	0,9946450	7,4000000	0,4148499	25,7916448	0,0050000	11,6323289	4,6997000	2,2501537	5,4240195	Sin licuefaccion
0,8	21,56	17,2480000	9,8000000	7,8400000	9,4080000	0,6500000	0,3500000	1,8333333	0,6400000	0,9938800	7,4000000	0,4145308	24,1258746	0,0050000	11,0604988	4,2526932	2,2126162	5,3376402	Sin licuefaccion
0,9	21,56	19,4040000	9,8000000	8,8200000	10,5840000	0,6500000	0,3500000	1,8333333	0,8100000	0,9931150	7,4000000	0,4142117	22,7460927	0,0050000	10,5794877	3,9148052	2,1917682	5,2914202	Sin licuefaccion
1,0	21,56	21,5600000	9,8000000	9,8000000	11,7600000	0,6500000	0,3500000	1,8333333	1,0000000	0,9923500	7,4000000	0,4138926	21,5788382	0,0050000	10,1669616	3,6500114	2,1820401	5,2719954	Sin licuefaccion
1,1	21,56	23,7160000	9,8000000	10,7800000	12,9360000	0,6500000	0,3500000	1,8333333	1,2100000	0,9915850	7,4000000	0,4135736	20,5746150	0,0050000	9,8076610	3,4365804	2,1800274	5,2711961	Sin licuefaccion
1,2	21,56	25,8720000	9,8000000	11,7600000	14,1120000	0,6500000	0,3500000	1,8333333	1,4400000	0,9908200	7,4000000	0,4132545	19,6986941	0,0050000	9,4907441	3,2606340	2,1835387	5,2837625	Sin licuefaccion
1,3	21,56	28,0280000	9,8000000	12,7400000	15,2880000	0,6500000	0,3500000	1,8333333	1,6900000	0,9900550	7,4000000	0,4129354	18,9258931	0,0050000	9,2082599	3,1128963	2,1911036	5,3061649	Sin licuefaccion
1,4	21,56	30,1840000	9,8000000	13,7200000	16,4640000	0,6500000	0,3500000	1,8333333	1,9600000	0,9892900	7,4000000	0,4126164	18,2374469	0,0050000	8,9542219	2,9869321	2,2017022	5,3359544	Sin licuefaccion
1,5	21,56	32,3400000	9,8000000	14,7000000	17,6400000	0,6500000	0,3500000	1,8333333	2,2500000	0,9885250	7,4000000	0,4122973	17,6190476	0,0050000	8,7240216	2,8781360	2,2146068	5,3713832	Sin licuefaccion
1,6	21,56	34,4960000	9,8000000	15,6800000	18,8160000	0,6500000	0,3500000	1,8333333	2,5600000	0,9877600	7,4000000	0,4119782	17,0595695	0,0050000	8,5140440	2,7831244	2,2292861	5,4111745	Sin licuefaccion
1,7	21,56	36,6520000	9,8000000	16,6600000	19,9920000	0,6500000	0,3500000	1,8333333	2,8900000	0,9869950	7,4000000	0,4116592	16,5502134	0,0050000	8,3214061	2,6993549	2,2453443	5,4543771	Sin licuefaccion
1,8	21,56	38,8080000	9,8000000	17,6400000	21,1680000	0,6500000	0,3500000	1,8333333	3,2400000	0,9862300	7,4000000	0,4113401	16,0839164	0,0050000	8,1437759	2,6248795	2,2624814	5,5002695	Sin licuefaccion
1,9	21,56	40,9640000	9,8000000	18,6200000	22,3440000	0,6500000	0,3500000	1,8333333	3,6100000	0,9854650	7,4000000	0,4110210	15,6549346	0,0050000	7,9792432	2,5581800	2,2804667	5,5482969	Sin licuefaccion
2,0	21,56	43,1200000	9,8000000	19,6000000	23,5200000	0,6500000	0,3500000	1,8333333	4,0000000	0,9847000	7,4000000	0,4107020	15,2585428	0,0050000	7,8262256	2,4980554	2,2991205	5,5980267	Sin licuefaccion

Evaluacion de la licuefacción en suelos.

Reviso: Ing.Civil.,Esp.MSc.,Carlos H. Florez Gongora.

Matricula Prof: 5420247868NTS