

WELL PLUGGING MATERIAL REQUIREMENTS

12" Well

Well Inside Diameter (inches)									
18	21	24	27	30	33	36	40	45	48

3 bags	6	8	10	12	16	20	22	28	36	40
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	Tons of Fill Material																
	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
.94	1.9	2.5	3.3	4.2	5.2	6.3	7.5	9.2	12	13							
1.17	2.4	3.3	4.4	5.5	6.8	8.2	10	12	15	17							
1.41	3.0	4.1	5.4	6.8	8.4	10	12	15	19	22							
1.64	3.6	4.9	6.4	8.1	10	12	14	18	23	26							
1.88	4.2	5.7	7.5	9.4	12	14	17	21	26	30							
2.11	4.8	6.5	8.5	11	13	16	19	24	30	34							
2.35	5.4	7.3	9.5	12	15	18	21	26	34	38							
2.59	5.9	8.1	11	13	17	20	24	29	37	42							
2.82	6.5	8.9	12	15	18	22	26	32	41	46							
3.06	7.1	9.7	13	16	20	24	28	35	44	51							
3.29	7.7	10	14	17	21	25	31	38	48	55							
3.53	8.3	11	15	19	23	28	33	41	52	59							
3.76	8.9	12	16	20	25	30	35	44	55	63							
4.0	9.4	13	17	21	26	32	38	47	59	67							
4.23	10	14	18	23	28	34	40	50	63	71							
4.47	11	14	19	24	29	36	42	52	66	75							
4.71	11	15	20	25	31	38	45	55	70	80							
Per foot	0.1	0.15	0.2	0.25	0.3	0.35	0.45	0.55	0.7	0.8							

For smaller or deeper wells, consult a qualified specialist.

Based on two bentonite seals, each one foot thick and equal in diameter to the inside of the well, with 10% extra @ 0.7 cubic feet per bag. Fill material based on well diameter and depth minus 4' with 10% extra and 120 pounds per cubic foot.

Prepared by Shawn Shouse, Extension Soil and Water Engineering Specialist, Southwest Extension Area. Nov., 1990.

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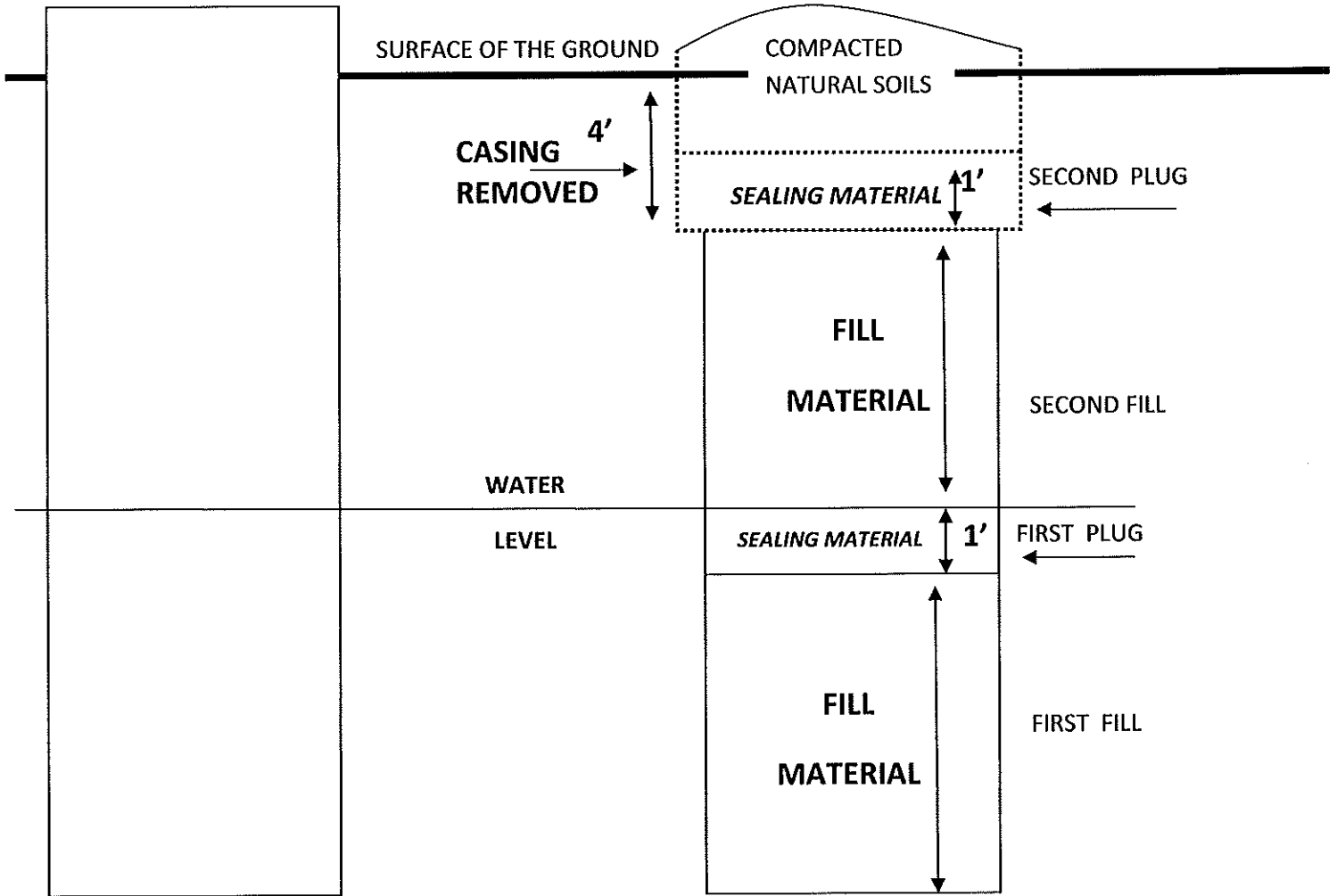


Fill- Dia(in.) /12= /2= squared= *3.14= xdepth(ft) = *120= /2000= ton

Plug- Dia(in.) /12= /2= squared= *3.14= xdepth(ft) = *70= /50= bags

**Well as
Constructed**

**Recommended
Well-Plugging
Schedule**



Approved Fill Materials:

- Ag. Lime
- Sand
- Gravel
- Crushed Stone
- Rock
- Pea Gravel
- Soil (second fill only)

Approved Sealing Materials:

- Bentonite Products
- Neat Cement
- Sand Cement Grout
- Cement

NAME: _____

ADDRESS: _____
