

Denne rapport
tilhører



L&U DOK. SENTER

L. NR. 20088390052

KODE Well 31/2-2 nr. 8

Returneres etter bruk

WELL 31/2-2

Grainsize distribution at :

1547,6	m	B.D.F.
1554,5	—	—
1556,5	—	—
1558,5	—	—
1562,0	—	—
1566,0	—	—
1571,5	—	—
1574,5	—	—
1577,0	—	—
1579,75	—	—
1580,96	—	—
1585,22	—	—
1586,5	—	—
1588,0	—	—
1589,5	—	—
1593,5	—	—

LOCATION		WELL 31/2-2
SAMPLE No.		DEPTH 1547.6
TYPE OF SAMPLE	Sand	DATE 25/4-80

SIEVE ANALYSIS

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING (mm)	GROSS	BASIN	NET WT (grams)	INDIV%	CUM%
VERY COARSE SAND							
		1.0			0.0060	0.01	100.00
COARSE SAND		0.5			8.9252	8.95	99.99
MEDIUM SAND							
		0.25			28.2205	28.30	91.04
FINE SAND							
		0.125			20.3731	20.43	62.74
VERY FINE SAND							
		0.063			17.6023	17.65	42.31
CLAY + SILT		< 63μ			24.5864	24.66	24.66
		RECEIVER			99.7135	100.00	0
Fraction passed through #20 sieve during wet sieving process (100-% sand fraction)							
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sand

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER :
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O and HCl treatment

SAND FRACTION (4 coarse silt)
(retained on #60 sieve after wet sieving)

GROSS
FILTER
NET 75.34 % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d_5
 d_{16}
 d_{50} median diam.
 d_{84}
 d_{95}
 $U_{95} = \frac{d_{95} - d_5}{d_5} = \frac{\quad - \quad}{6.0} =$
 4 2.7 2.0 1.4 1.2 1.1 1.0

clay silt	very poor	poor	moderate	good	very good	excellent
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REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31 / 2 - 2
SAMPLE No.		DEPTH 1554.5
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT	INDIV%	CUM%
	mm			grams		
VERY COARSE SAND	4.0			0.5481	0.55	100.00
	2.0			0		
	1.0			2.9195	2.92	99.45
COARSE SAND						
	0.5			12.6409	12.64	96.53
MEDIUM SAND						
	0.25			38.353	38.37	83.89
FINE SAND						
	0.125			19.8169	19.82	45.52
VERY FINE SAND						
	0.063			7.2792	7.28	25.70
CLAY + SILT	<63µ			18.4102	18.42	18.42
	RECEIVER			19.9707	100.00	0
Fraction passed through #20 sieve during wet sieving process (100-% sand fraction)						
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sand

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on #42 sieve after wet sieving)

GROSS
FILTER
NET : 81.58 % of insoluble

CALCULATING FACTOR

$$CF = \frac{100}{\text{net insoluble}} = \text{[]}$$

SAND PARAMETERS

d₅

d₁₆

d₅₀ = median diam.

d₈₄

d₉₅

$$S_{60} = \frac{d_{60} - d_{10}}{d_{90} - d_{10}} \times 6.0$$

4 3.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	excellent
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REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31/2-2
SAMPLE No.		DEPTH 1556.5
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT grams	INDIV %	CUM %
VERY COARSE SAND	mm					
	4.0			1,0763	1,08	100,00
	2.0			2,2349	2,24	98,92
COARSE SAND	1.0			3,8617	3,87	96,68
	0.5			11,2898	11,31	92,81
MEDIUM SAND	0.25			23,2497	23,28	81,50
	0.125			20,9638	20,99	58,22
FINE SAND	0.063			10,3289	10,34	37,23
	<63µ			26,8550	26,89	26,89
VERY FINE SAND	RECEIVER			79,8598	100,00	0
	Fraction passed through 45µ sieve during wet sieving process (100-% sand fraction)					

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100,00 g = 100% sand

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on 45µ sieve after wet sieving)

GROSS
FILTER
NET % of insoluble

CALCULATING FACTOR

$f = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

$C_u = \frac{d_{84} - d_{16}}{d_{50}} = \frac{6.6 - 1.1}{1.1} =$

	4	2.7	2.0	1.4	1.2	1.1	1.0
extra poor							
very poor							
poor							
moderate							
good							
very good							
extra good							

CONTROL TOTAL

REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31 / 2 - 2
SAMPLE No.		DEPTH 1558.5
TYPE OF SAMPLE Sand		DATE 25 / 4 - 80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING (mm)	GROSS	BASIN	NET WT (grams)	INDIV %	CUM %
VERY COARSE SAND		4.0			0.4656	0.47	100.00
		2.0			4.9074	4.91	99.53
		1.0			9.9629	9.97	94.62
COARSE SAND							
		0.5			18.6613	18.67	84.65
MEDIUM SAND							
		0.25			22.3176	22.33	65.98
FINE SAND							
		0.125			15.1447	15.15	43.65
VERY FINE SAND							
		0.063			7.8204	7.83	28.50
CLAY + SILT		<63μ			20.6613	20.67	20.67
	RECEIVER				99.9412	100.00	0
Fraction passed through 425μ sieve during wet sieving process (100-% sand fraction)							
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sand

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER :
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O and HCl treatment

SAND FRACTION (→ coarse silt)
(retained on 425μ sieve after wet sieving)

GROSS
FILTER
NET : 79.33 % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

$S_u = \frac{d_{84} - d_{16}}{d_{50}}$

4 27 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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REMARKS

LOCATION: Sand
 SAMPLE No.:
 TYPE OF SAMPLE: Sand

SIEVE ANALYSIS

WELL 31/2-2
 DEPTH 1562.0
 DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING mm	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT grams	INDIV %	CUM %
VERY COARSE SAND	4.0			1,8057	1,81	100,00
	2.0			6,8255	6,83	98,19
	1.0			17,8307	17,83	91,36
COARSE SAND						
	0.5			32,5710	32,58	73,53
MEDIUM SAND						
	0.25			11,1503	11,15	40,95
FINE SAND						
	0.125			5,7986	5,80	29,80
VERY FINE SAND						
	0.063			7,7107	7,71	24,00
CLAY + SILT	<63μ			116,2832	116,29	116,29
	RECEIVER			99,9757	100,00	0
Fraction passed through 425 sieve during wet sieving process (100-% sand fraction)						

ORIGINAL TOTAL WEIGHT
 (dried sample)

GROSS
 BASIN
 NET 100,00 g = 100% solids

INSOLUBLES
 (sample after chemical treatment)

GROSS :
 FILTER :
 NET : = 100% insoluble

SOLUBLES
 Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (> coarse silt)
 (retained on 425 sieve after wet sieving)

GROSS
 FILTER
 NET : % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} = \text{input}$

SAND PARAMETERS

d₅
 d₁₆
 d₅₀ = median diam.
 d₈₄
 d₉₅

$St_{\%} = \frac{d_{84} - d_{16}}{d_{50}} = \frac{d_{95} - d_5}{d_{50}}$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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CONTROL TOTAL

REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31 / 2 - 2
SAMPLE No.		DEPTH 1566.0
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING	GROSS	BASIN	NET WT	INDIV%	CUM%
VERY COARSE SAND		mm			grams		
COARSE SAND							
		0.5			0,2321	0,23	100,00
MEDIUM SAND							
		0,25			2,3096	2,31	99,77
FINE SAND							
		0,125			52,3201	52,35	97,46
VERY FINE SAND							
		0,063			30,4375	30,46	45,11
CLAY + SILT		< 63μ			14,6465	14,65	14,65
		RECEIVER			99,9458	100,00	0
Fraction passed through 425μ sieve during wet sieving process (100-% sand fraction)							
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100,00 g = 100% solids

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on 425μ sieve after wet sieving)

GROSS
FILTER
NET : 85,35 % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

$U = \frac{d_{84} - d_{16}}{d_{50}}$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31/2-2
SAMPLE No.		DEPTH 1571.5
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING		FRACTIONS RETAINED ON SIEVE				
		mm	GROSS	BASIN	NET WT grams	INDIV %	CUM %
VERY COARSE SAND							
COARSE SAND		0.5			0.2057	0.20	100.00
MEDIUM SAND		0.25			2.4247	2.43	99.80
FINE SAND							
		0.125			47.4973	47.53	97.37
VERY FINE SAND							
		0.063			35.9713	36.00	49.84
CLAY + SILT		<63μ			13.8311	13.84	13.84
		RECEIVER			99.9301	100.00	0
Fraction passed through 425μ sieve during wet sieving process (100-% sand fraction)							
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sample

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on 425μ sieve after wet sieving)

GROSS
FILTER
NET % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

$U_{50} = \frac{d_{84} - d_{16}}{4}, \frac{d_{95} - d_5}{6.6}$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	excellent
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REMARKS

LOCATION:
 SAMPLE No.:
 TYPE OF SAMPLE: Sand

SIEVE ANALYSIS

WELL 31 / 2 - 2
 DEPTH 1574.5
 DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT	INDIV%	CUM%
VERY COARSE SAND	mm			grams		
COARSE SAND	0.5			0.2506	0.26	100.00
MEDIUM SAND	0.25			1.1043	1.16	99.74
FINE SAND	0.125			27.5961	29.05	98.58
VERY FINE SAND	0.063			47.7555	50.28	69.53
CLAY + SILT	< 63µ			18.2793	19.25	19.25
	RECOVER			94.9858	100.00	0
Fraction passed through 425µ sieve during wet sieving process (100-% sand fraction)						
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
 (dried sample)

GROSS
 BASIN
 NET 95.00 g = 100% sample

INSOLUBLES
 (sample after chemical treatment)

GROSS :
 FILTER :
 NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O and HCl treatment

SAND FRACTION (+ coarse silt)
 (retained on 425µ sieve after wet sieving)

GROSS
 FILTER
 NET : % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} = \text{input}$

SAND PARAMETERS

d₅
 d₁₆
 d₅₀ = median diam.
 d₈₄
 d₉₅

$S_u = \frac{d_{84} - d_{16}}{d_{50}}$
 $S_g = \frac{d_{95} - d_5}{d_{50}}$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	excellent
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REMARKS:

LOCATION	SIEVE ANALYSIS	WELL 31 / 2 - 2
SAMPLE No.		DEPTH 1577.0
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT	INDIV%	CUM%
	mm			grams		
VERY COARSE SAND	2.0			0,4863	0,48	100,00
	1,0			3,6169	3,62	99,52
COARSE SAND	0,5			16,7802	16,78	95,90
	0,25			32,8705	32,87	79,12
MEDIUM SAND	0,125			16,7763	16,78	46,25
	0,063			8,1690	8,169	29,47
FINE SAND	<63μ			20,7785	20,78	20,78
	RECEIVER			99,9977	100,00	0
CLAY + SILT	Fraction passed through #20 sieve during wet sieving process (100-% sand fraction)					
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100,00g = 100% sands

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER :
NET : = 100% insoluble

SOLUBLES
Percentage of total sample dissolved after H₂O, and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on #42 sieve after wet sieving)

GROSS
FILTER
NET 79,22 % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅

d₁₆

d₅₀ = median diam.

d₈₄

d₉₅

$Sp_{gw} = \frac{d_{84} - d_{16}}{d_{95} - d_{50}} = \frac{\quad - \quad}{\quad - \quad}$

	4	2.7	2.0	1.4	1.2	1.1	1.0
extra poor							
very poor							
poor							
moderate							
good							
very good							
extra good							

REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31/2-2
SAMPLE No.		DEPTH 1579.75
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT	INDIV%	CUM%
	mm			grams		
VERY COARSE SAND	2.0			0,3026	0,30	100,00
	1.0			2,2952	2,30	99,70
COARSE SAND	0.5			6,0922	6,09	97,40
	0.25			46,3633	46,30	91,31
MEDIUM SAND	0.125			30,4831	30,50	44,93
	0.063			7,6661	7,67	14,43
FINE SAND	<63μ			6,7617	6,76	6,76
	RECEIVER			99,9642	100,00	0
VERY FINE SAND	Fraction passed through #20 sieve during wet sifting process (100-% sand fraction)					
CLAY + SILT						
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100,00 g = 100% sample

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER :
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on #42 sieve after wet sifting)

GROSS
FILTER
NET 93,24 % of insoluble

CALCULATING FACTOR

$\frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

$S_u = \frac{d_{84} - d_{16}}{d_{50}}$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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REMARKS: Inneholder full

LOCATION	SIEVE ANALYSIS	WELL 31/2-2
SAMPLE No.		DEPTH 1580.96
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING		FRACTIONS RETAINED ON SIEVE				
		mm	GROSS	BASIN	NET WT grams	INDIV%	CUM%
VERY COARSE SAND							
		1.0			0.3202	0.32	100.00
COARSE SAND							
		0.5			7.2137	7.22	99.68
MEDIUM SAND							
		0.25			54.678	54.70	92.46
FINE SAND							
		0.125			26.3692	26.38	37.76
VERY FINE SAND							
		0.063			2.6000	2.60	11.38
CLAY + SILT		<63μ			8.7771	8.78	8.78
		RECEIVER			99.9586	100.00	0
Fraction passed through #44 sieve during wet sieving process (100-% sand fraction)							
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sample

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES
Percentage of total comp. dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on #44 sieve after wet sieving)

GROSS
FILTER
NET 91.22 % of insoluble

CALCULATING FACTOR

$\frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

$S_f = \frac{d_{84} - d_{16}}{d_{50}}$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31/2-2
SAMPLE No.		DEPTH 1585, 22
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING (mm)	GROSS	BASIN	NET WT (grams)	INDIV %	CUM %
VERY COARSE SAND							
		1.0			0.9144	0.91	100.00
COARSE SAND							
		0.5			10.9392	10.94	99.09
MEDIUM SAND							
		0.25			52.914	52.91	88.15
FINE SAND							
		0.125			28.0973	28.10	35.24
VERY FINE SAND							
		0.063			2.8053	2.81	7.14
CLAY + SILT		263µ			4.3284	4.33	4.33
		RECEIVER			99.9987	100.00	0
Fraction passed through #20 sieve during wet sieving process (100-% sand fraction)							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sands

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER :
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on #425 sieve after wet sieving)

GROSS
FILTER
NET : 95.67 % of insoluble

CALCULATING FACTOR

$\frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

$S_{60} = \frac{d_{84} - d_{16}}{d_{50} - d_{16}} \times \frac{d_{50} - d_{16}}{6.6}$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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CONTROL TOTAL

REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31 / 2 - 2
SAMPLE No.		DEPTH 1586.5
TYPE OF SAMPLE Sand		DATE 25/4-80

CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING	GROSS	BASIN	NET WT	INDIV %	CUM %
VERY COARSE SAND		mm			grams		
COARSE SAND		1.0			1,139.1	1.14	100.00
MEDIUM SAND		0.5			20,811.7	20.82	98.86
FINE SAND		0.25			56,673.1	56.70	78.04
VERY FINE SAND		0.125			15,823.5	15.83	21.34
CLAY + SILT		0.063			1,672.0	1.67	5.51
		<63μ			3,835.7	3.84	3.84
	RECEIVER				99,955.1	100.00	0
Fraction passed through #41 sieve during wet sieving process (100-% sand fraction)							
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sands

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER :
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O and HCl treatment

SAND FRACTION (→ coarse silt)
(retained on #41 sieve after wet sieving)

GROSS
FILTER
NET 96.16 % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

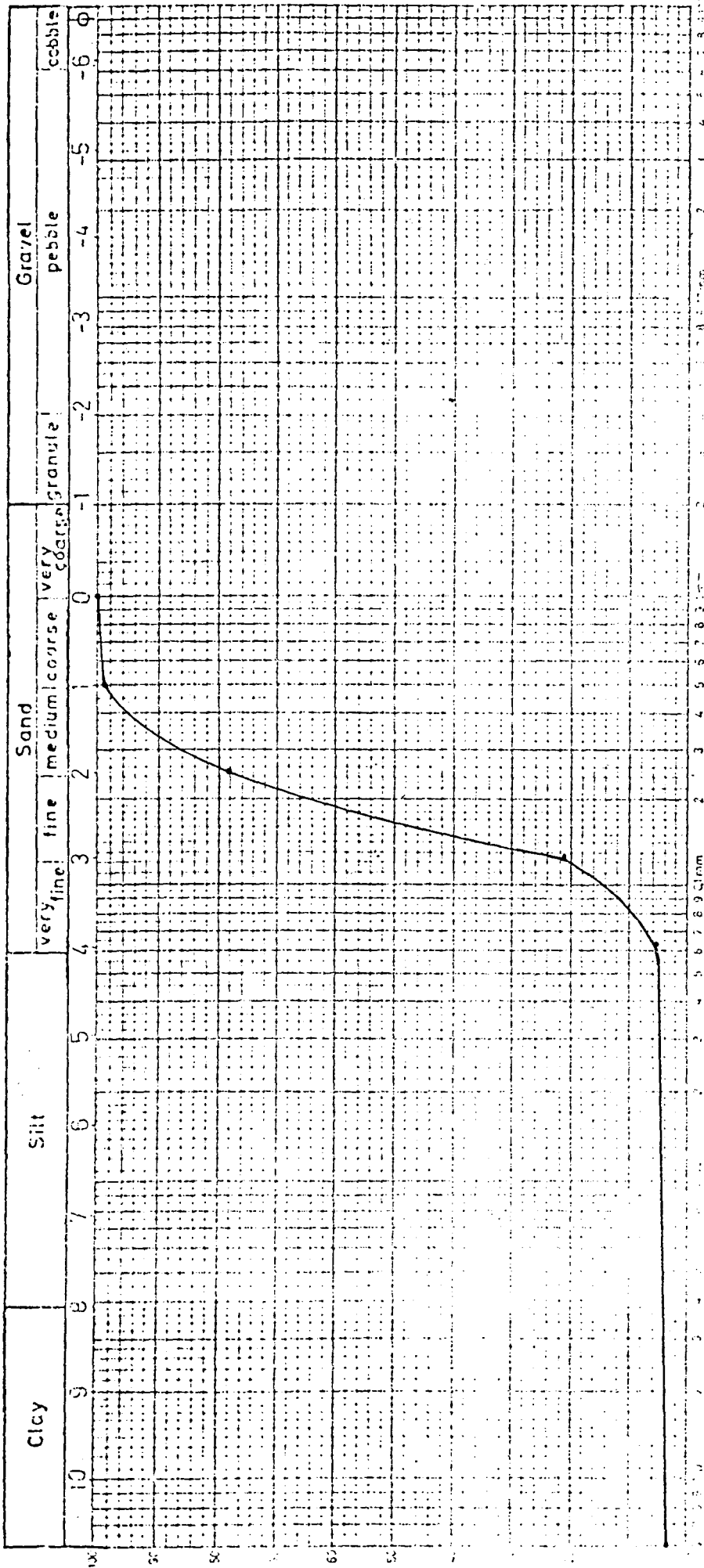
$U_{5-95} = \frac{d_{84} - d_{16}}{d_{50}}$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	excellent
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REMARKS

Kornfordelingskurver



Kornfordelingskurve

Procent	Clay	Silt	Sand	Gravel	Cobble
	very fine	fine	medium	pebble	
	4	3	2	1	0
100	4	3	2	1	0
95	4	3	2	1	0
90	4	3	2	1	0
85	4	3	2	1	0
80	4	3	2	1	0
75	4	3	2	1	0
70	4	3	2	1	0
65	4	3	2	1	0
60	4	3	2	1	0
55	4	3	2	1	0
50	4	3	2	1	0
45	4	3	2	1	0
40	4	3	2	1	0
35	4	3	2	1	0
30	4	3	2	1	0
25	4	3	2	1	0
20	4	3	2	1	0
15	4	3	2	1	0
10	4	3	2	1	0
5	4	3	2	1	0
0	4	3	2	1	0

31/2-2

Dyp

22 mm

SK

Mid

M

SK

15865

31/2-2

15865

31/2-2

15865

31/2-2

15865

LOCATION	SIEVE ANALYSIS	WELL 31 / 2 - 2
SAMPLE No.		DEPTH 1588.0
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING	GROSS	BASIN	NET WT	INDIV %	CUM %
VERY COARSE SAND		mm			grams		
COARSE SAND		1.0			0.2229	0.22	100.00
MEDIUM SAND		0.5			9.0490	9.06	99.78
FINE SAND		0.25			53.2541	53.31	90.72
VERY FINE SAND		0.125			31.8381	31.87	37.41
CLAY + SILT		0.063			2.2884	2.29	5.54
		0.063			3.2469	3.25	3.25
	RECEIVER				99.8997	100.00	0
			Fraction passed through 425µ sieve during wet sieving process (100-% sand fraction)				
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sand

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES

Percentage of total comp. dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on 425µ sieve after wet sieving)

GROSS
FILTER
NET % of insoluble

CALCULATING FACTOR

$\% = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

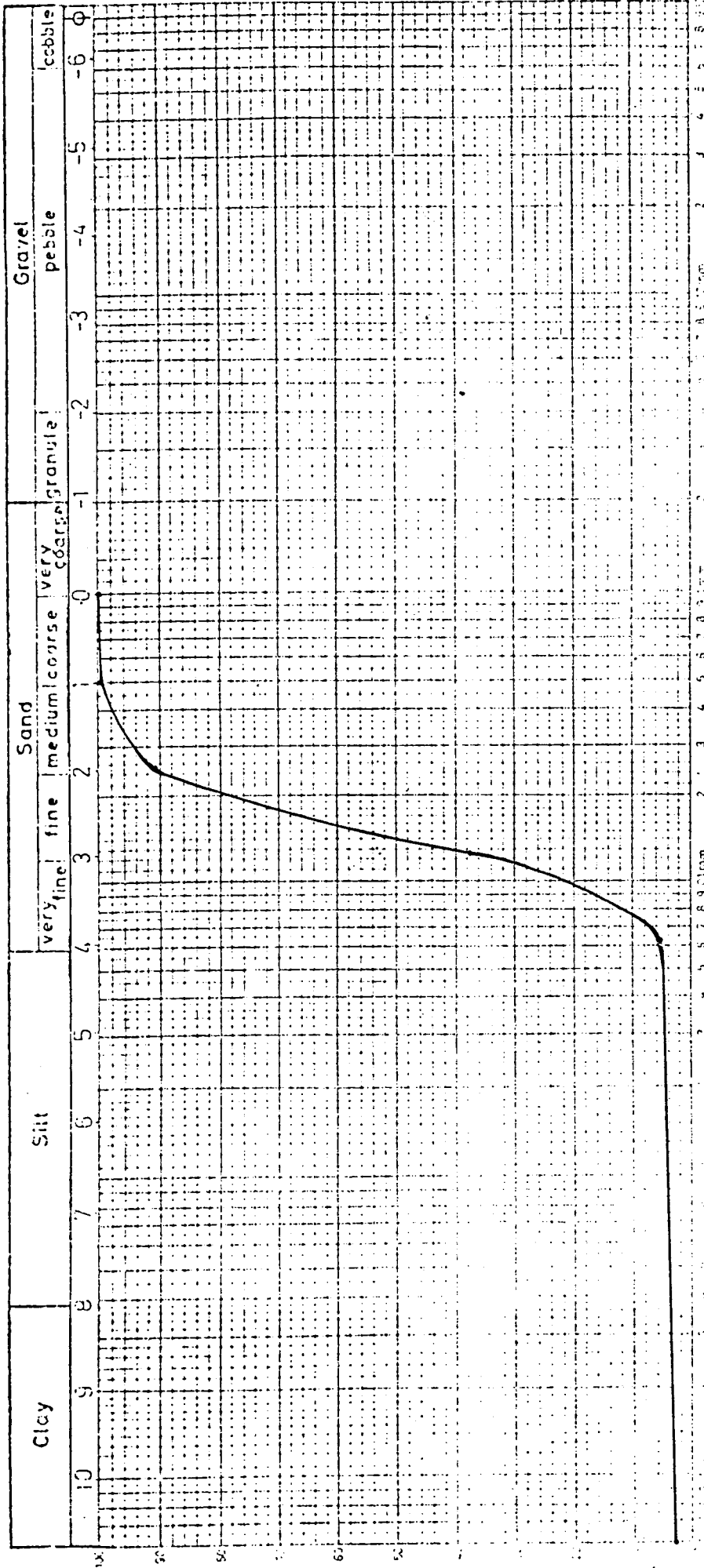
$S_{g, 60} = \frac{d_{84} - d_{16}}{d_{84} - d_{16}} \cdot \frac{d_{95} - d_{50}}{d_{95} - d_{50}}$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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REMARKS

Kornfordelingskurver



Kornfordelingskurve

Procent	Clay	Silt	Sand	Gravel	pebble	cobble
100	0	0	0	0	0	0
90	0	0	0	0	0	0
80	0	0	0	0	0	0
70	0	0	0	0	0	0
60	0	0	0	0	0	0
50	0	0	0	0	0	0
40	0	0	0	0	0	0
30	0	0	0	0	0	0
20	0	0	0	0	0	0
10	0	0	0	0	0	0
0	0	0	0	0	0	0

Procent

31/2-2

1588.0

Dyp > 2 mm < 0.002 mm

Sk

Merknader

LOCATION		SIEVE ANALYSIS	WELL	31/2-2
SAMPLE No.			DEPTH	1589.5
TYPE OF SAMPLE	Sand		DATE	25/4-80

SIZE CLASS	SIEVE MESH OPENING	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT	INDIV%	CUM%
	mm			grams		
VERY COARSE SAND						
	1.0			0,0739	0,07	100,00
COARSE SAND						
	0,5			1,4310	1,43	99,93
MEDIUM SAND						
	0,25			19,6115	19,64	98,50
FINE SAND						
	0,125			53,4152	53,51	78,86
VERY FINE SAND						
	0,063			17,1186	17,13	25,35
CLAY + SILT	<63µ			8,2112	8,22	8,22
	RECEIVER			99,9113	100,00	0
Fraction passed through 45µ sieve during wet sieving process (100-% sand fraction)						
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT

(dried sample)

GROSS
BASIN
NET 100,00 g = 100% sands

INSOLUBLES

(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)

(retained on 45µ sieve after wet sieving)

GROSS
FILTER
NET : 91,78 % of insoluble

CALCULATING FACTOR

$$F = \frac{100}{\text{net insoluble}} =$$

SAND PARAMETERS

- d₅
- d₁₆
- d₅₀ median diam.
- d₈₄
- d₉₅

$$s_{5-95} = \frac{d_{95} - d_5}{d_{50}} = \frac{d_{95} - d_5}{6.6}$$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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REMARKS

LOCATION:
 SAMPLE No.:
 TYPE OF SAMPLE: Sand

SIEVE ANALYSIS

WELL 31/2-2
 DEPTH 1593.5
 DATE 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING (mm)	GROSS	BASIN	NET WT (grams)	INDIV %	CUM %
VERY COARSE SAND							
		1.0			0,0154	0,02	100,00
COARSE SAND							
		0,5			0,0940	0,09	99,98
MEDIUM SAND							
		0,25			2,7258	2,72	98,89
FINE SAND							
		0,125			45,5314	45,56	96,17
VERY FINE SAND							
		0,063			33,8471	33,87	51,61
CLAY + SILT		<63μ			17,7288	17,74	17,74
		RECEIVER			99,9425	100,00	0
Fraction passed through #20 sieve during wet sieving process (100-% sand fraction)							
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
 (dried sample)

GROSS:
 BASIN:
 NET 100,00 g = 100% sands

INSOLUBLES
 (sample after chemical treatment)

GROSS:
 FILTER:
 NET: = 100% insoluble

SOLUBLES
 Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
 (retained on #42 sieve after wet sieving)

GROSS:
 FILTER:
 NET: 82,26 % of insoluble

CALCULATING FACTOR

$$CF = \frac{100}{\text{net insoluble}} =$$

SAND PARAMETERS

d₅
 d₁₆
 d₅₀ = median diam.
 d₈₄
 d₉₅

$$s_{f,75} = \frac{d_{60} - d_{10}}{d_{60} - d_{10}} \cdot \frac{d_{60} - d_{10}}{6.0}$$

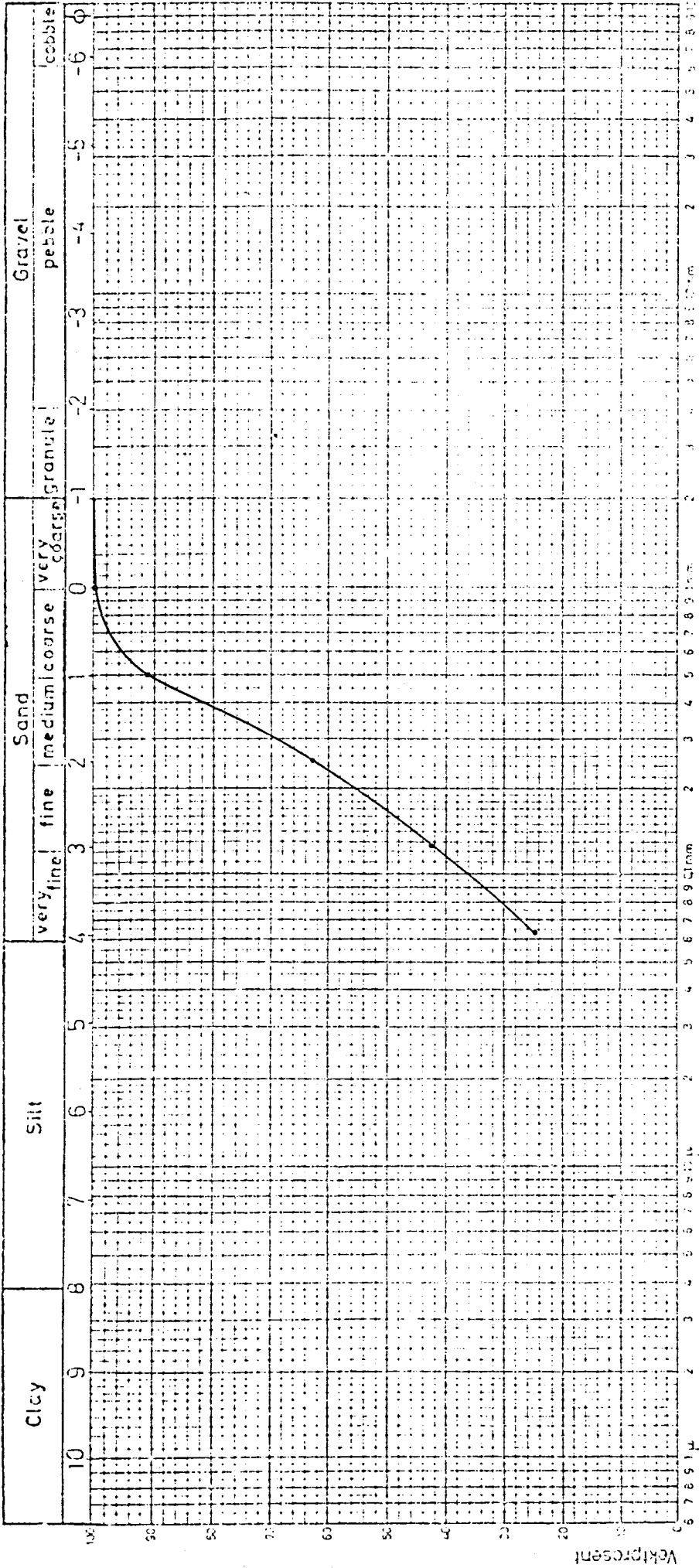
4 27 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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REMARKS

LOCATION		SIEVE ANALYSIS					WELL 3 1/2 - 2								
SAMPLE No.							DEPTH 1547.6								
TYPE OF SAMPLE Sand							DATE 25/4-80								
SIZE CLASS	SIEVE MESH OPENING	FRACTIONS RETAINED ON SIEVE					ORIGINAL TOTAL WEIGHT (dried sample)								
		GROSS	BASIN	NET WT grams	INDIV%	CUM%	GROSS	BASIN							
VERY COARSE SAND	mm						NET 100.00 g = 100% sands								
	1.0			0.0060	0.01	99.99	INSOLUBLES (sample after chemical treatment)								
COARSE SAND							GROSS : FILTER NET : = 100% insoluble								
	0.5			8.9252	8.95	91.04	SOLUBLES Percentage of total sample dissolved after H ₂ O ₂ and HCl treatment <input type="checkbox"/>								
MEDIUM SAND							SAND FRACTION (to coarse silt) (retained on 49µm sieve after wet sieving)								
	0.25			28.2205	28.20	62.74	GROSS FILTER NET : <input type="checkbox"/> 75.34 % of insoluble								
FINE SAND							CALCULATING FACTOR $CF = \frac{100}{\text{net insoluble}} = \text{input box}$								
	0.125			20.3731	20.43	42.31	SAND PARAMETERS								
VERY FINE SAND							d ₅ <input type="checkbox"/>								
	0.063			17.6023	17.65	24.66	d ₁₆ <input type="checkbox"/>								
CLAY + SILT	< 63µ			24.5864	24.66		d ₅₀ = med in diam. <input type="checkbox"/>								
	RECEIVER			19.7135	100.00		d ₈₄ <input type="checkbox"/>								
				Fraction passed through 49µm sieve during wet sieving process (100-% sand fraction)											
CONTROL TOTAL							d ₉₅ <input type="checkbox"/>								
REMARKS		$S_{5-75} = \frac{d_{84} - d_{16}}{d_{84} - d_{16}} \cdot \frac{d_{95} - d_{5}}{d_{95} - d_{5}}$ <p style="text-align:center;">4 27 2.0 1.4 1.2 1.1 1.0</p> <table border="1" style="width:100%; text-align:center; border-collapse: collapse;"> <tr> <td>extra poor</td> <td>very poor</td> <td>poor</td> <td>moderate</td> <td>good</td> <td>very good</td> <td>excellent</td> </tr> </table>							extra poor	very poor	poor	moderate	good	very good	excellent
extra poor	very poor	poor	moderate	good	very good	excellent									

Kornfordelingskurver



Kornstørrelse

Prøve nr. 31 / 2 - 2 Dyp > 2 mm < 0.002 mm Md 1547.6 M Sk Silt Sk Merknader

LOCATION: _____
 SAMPLE No.: _____
 TYPE OF SAMPLE: Sand

SIEVE ANALYSIS

WELL 31/2-2
 DEPTH 1554.5
 DATE 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING (mm)	GROSS	BASIN	NET WT (grams)	INDIV %	CUM %
VERY COARSE SAND		4.0			0.5481	0.55	99.45
		2.0			0		
		1.0			2.9195	2.92	96.53
COARSE SAND		0.5			12.6409	12.64	83.89
MEDIUM SAND		0.25			38.353	38.37	45.52
		0.125			19.8169	19.82	25.70
FINE SAND		0.063			7.2792	7.28	18.42
		<63μ			18.4102	18.42	
CLAY + SILT	RECEIVER				19.9707	100.00	
	Fraction passed through #20 sieve during wet sieving process (100-% sand fraction)						
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
 (dried sample)

GROSS: _____
 BASIN: _____
 NET: 100.00 g = 100% sand

INSOLUBLES
 (sample after chemical treatment)

GROSS: _____
 FILTER: _____
 NET: _____ = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment:

SAND FRACTION (+ coarse silt)
 (retained on #20 sieve after wet sieving)

GROSS: _____
 FILTER: _____
 NET: % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} = \text{_____}$

SAND PARAMETERS

d₅ _____
 d₁₆ _____
 d₅₀ = median d₅₀ _____
 d₈₄ _____
 d₉₅ _____

$S_u = \frac{d_{84} - d_{16}}{d_{50}} = \frac{\text{_____} - \text{_____}}{\text{_____}}$

4 37 2.0 1.4 1.2 1: 1.0

extra poor	very poor	poor	moderate	good	very good	excellent
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REMARKS: _____

LOCATION:
 SAMPLE No.
 TYPE OF SAMPLE: Sand

SIEVE ANALYSIS

WELL 31/2-2
 DEPTH 1556.5
 DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT	INDIV%	CUM%
	mm			grams		
VERY COARSE SAND	4.0			1,0763	1,08	98.92
	2.0			2,2349	2,24	96.68
	1.0			3,8617	3,87	92.81
COARSE SAND	0.5			11,2898	11,31	81.50
MEDIUM SAND	0.25			23,2477	23,28	58.22
FINE SAND	0.125			20,9638	20,99	37.23
	0.063			10,3289	10,34	26.89
VERY FINE SAND	<63 μ			76,8550	26,89	
CLAY + SILT	RECEIVER			779,8598	100,00	
	Fraction passed through 425 μ sieve during wet sieving process (100-% sand fraction)					
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
 (dried sample)

GROSS
 BASIN
 NET 100.00 g = 100% sample

INSOLUBLES
 (sample after chemical treatment)

GROSS :
 FILTER :
 NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
 (retained on 425 μ sieve after wet sieving)

GROSS
 FILTER
 NET % of insoluble

CALCULATING FACTOR

$\% = \frac{100}{\text{Net insoluble}} =$

SAND PARAMETERS

d₅
 d₁₆
 d₅₀ = median diam.
 d₈₄
 d₉₅

$S_g = \frac{d_{84} - d_{16}}{d_{50}}$

4 27 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	excellent
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REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31 / 2 - 2
SAMPLE No.		DEPTH 1558.5
TYPE OF SAMPLE - Sand		DATE 25 / 4 - 80

SIZE CLASS	SIEVE MESH OPENING	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT	INDIV %	CUM %
	mm			grams		
VERY COARSE SAND	4.0			0.4656	0.47	99.53
	2.0			4.9074	4.91	94.62
	1.0			9.9629	9.97	84.65
COARSE SAND	0.5			18.4613	18.67	65.98
MEDIUM SAND	0.25			22.3176	22.33	43.65
FINE SAND	0.125			15.1447	15.15	28.50
	0.063			7.8204	7.83	20.67
VERY FINE SAND	<63μ			20.6613	20.67	
	RECEIVER			99.9412	100.00	
CLAY + SILT	Fraction passed through #20 sieve during wet sieving process (100-% sand fraction)					
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sand

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER :
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O and HCl treatment

SAND FRACTION (≠ coarse silt)
(retained on #60 sieve after wet sieving)

GROSS
FILTER
NET 79.33 % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅

d₁₆

d₅₀ = med. diam.

d₈₄

d₉₅

$U = \frac{d_{84} - d_{16}}{d_{50}}$

	4	37	2.0	1.4	1.2	1.1	1.0
extra poor							
very poor							
poor							
moderate							
good							
very good							
excellent							

REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31/2-2
SAMPLE No.		DEPTH 1562.0
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING mm	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT grams	INDIV %	CUM %
VERY COARSE SAND	4.0			1.8057	1.81	98.19
	2.0			6.8255	6.83	91.36
	1.0			17.8307	17.83	73.53
COARSE SAND	0.5			32.5710	32.58	40.95
MEDIUM SAND	0.25			11.1503	11.15	29.80
FINE SAND	0.125			5.7986	5.80	24.00
	0.063			7.7107	7.71	16.29
VERY FINE SAND	<63μ			11.2832	11.29	
	RECEIVER			99.9757	100.00	
CLAY + SILT	Fraction passed through 63μ sieve during wet sieving process (100-% sand fraction)					
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sand

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES
Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on 45μ sieve after wet sieving)

GROSS
FILTER
NET : % of insoluble

CALCULATING FACTOR
CF = $\frac{100}{\text{net insoluble}}$ =

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

$S_{5-95} = \frac{d_{84} - d_{16}}{d_{50}}$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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REMARKS

LOCATION: _____
 SAMPLE No.: _____
 TYPE OF SAMPLE: Sand

SIEVE ANALYSIS

WELL 31 / 2 - 2
 DEPTH 1566.0
 DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT	INDIV %	CUM %
VERY COARSE SAND	mm			grams		
COARSE SAND	0.5			0.2321	0.23	99.77
MEDIUM SAND	0.25			2.3046	2.31	97.46
FINE SAND	0.125			52.3201	52.35	45.11
VERY FINE SAND	0.063			30.4375	30.46	14.65
CLAY + SILT	< 63μ			14.6465	14.65	
	RECEIVER			99.9458	100.00	
Fraction passed through #20 sieve during wet sieving process (100-% sand fraction)						
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
 (dried sample)

GROSS _____
 BASIN _____
 NET 100.00 g = 100% sands

INSOLUBLES
 (sample after chemical treatment)

GROSS : _____
 FILTER : _____
 NET : _____ = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O and HCl treatment

SAND FRACTION (+ coarse silt)
 (retained on #20 sieve after wet sieving)

GROSS _____
 FILTER _____
 NET % of insoluble

CALCULATING FACTOR

$\% = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅ _____
 d₁₆ _____
 d₅₀ = median diam. _____
 d₈₄ _____
 d₉₅ _____

$S_u = \frac{d_{84} - d_{16}}{d_{50}}$

4 3.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	excellent
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REMARKS

LOCATION:
 SAMPLE No.:
 TYPE OF SAMPLE: Sand

SIEVE ANALYSIS

WELL: 31/2-2
 DEPTH: 1571.5
 DATE: 25/4-80

SIZE CLASS	SIEVE MESH OPENING		FRACTIONS RETAINED ON SIEVE				
		mm	GROSS	BASIN	NET WT grams	INDIV%	CUM%
VERY COARSE SAND							
COARSE SAND		0.5			0.2057	0.20	99.80
MEDIUM SAND		0.25			2.4247	2.43	97.37
FINE SAND		0.125			47.4973	47.53	49.84
VERY FINE SAND		0.063			35.9713	36.00	13.84
CLAY + SILT		<63μ			13.8311	13.84	
		RECEIVER			99.9301	100.00	
			Fraction passed through 45μ sieve during wet sieving process (100-% sand fraction)				
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS:
 BASIN:
 NET: 100.00 g = 100% sample

INSOLUBLES
(sample after chemical treatment)

GROSS:
 FILTER:
 NET: = 100% insoluble

SOLUBLES
Percentage of total sample dissolved after H₂O₂ and HCl treatment

[]

SAND FRACTION (± coarse silt)
(retained on 45μ sieve after wet sieving)

GROSS:
 FILTER:
 NET: 86.16 % of insoluble

CALCULATING FACTOR

$$F = \frac{100}{\text{net insoluble}} = []$$

SAND PARAMETERS

d₅ []
 d₁₆ []
 d₅₀ = median diam. []
 d₈₄ []
 d₉₅ []

$$S_{g_{45}} = \frac{d_{84} - d_{16}}{d_{95} - d_{5}} = \frac{[] - []}{[] - []}$$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31/2-2
SAMPLE No.		DEPTH 1574.5
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE			
	MESH	OPENING	GROSS	BASIN	NET WT	INDIV% CUM%
VERY COARSE SAND		mm			grams	
	COARSE SAND		0.5			0.2506
MEDIUM SAND		0.25			1.1043	1.16 98.58
FINE SAND		0.125			27.5961	29.05 69.53
VERY FINE SAND		0.063			47.7555	50.28 19.25
CLAY + SILT		<63µ			18.2793	19.25
		RECEIVER			94.9858	100.00
		Fraction passed through 425µ sieve during wet sieving process (100-% sand fraction)				
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 95.00 g = 100% solids

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER :
NET : = 100% insoluble

SOLUBLES
Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on 425µ sieve after wet sieving)

GROSS
FILTER
NET 80.75 % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅
 $SS_{60} = \frac{d_{84} - d_{16}}{d_{50}} = \frac{d_{95} - d_{5}}{6.6}$

4 2.7 2.0 1.4 1.2 1.1 1.0

extra fine	very fine	fine	medium	coarse	very coarse	extra coarse
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REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31 / 2 - 2
SAMPLE No.		DEPTH 1577.0
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE MESH/OPENING	FRACTIONS RETAINED ON SIEVE				
		GROSS	BASIN	NET WT	INDIV %	CUM %
	mm			grams		
VERY COARSE SAND	2.0			0.4863	0.48	99.52
	1.0			3.6169	3.62	95.90
COARSE SAND	0.5			16.7802	16.78	79.12
	0.25			32.8705	32.87	46.25
FINE SAND	0.125			16.7763	16.78	29.47
	0.063			8.6890	8.69	20.78
VERY FINE SAND	<63μ			20.7785	20.78	
	RECEIVER			99.9977	100.00	
CLAY + SILT	Fraction passed through 63μ sieve during wet sieving process (100-% sand fraction)					
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00g = 100% sands

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER :
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (→ coarse silt)
(retained on 45μ sieve after wet sieving)

GROSS
FILTER
NET 79.22 % of insoluble

CALCULATING FACTOR

$\% = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅

d₁₆

d₅₀ = median diam.

d₈₄

d₉₅

$S_{5-95} = \frac{d_{84} - d_{16}}{d_{50}} = \frac{d_{84} - d_{16}}{6.6}$

	4	2.7	2.0	1.4	1.2	1.1	1.0
ratio pass							
very poor							
poor							
moderate							
good							
very good							
excellent							

REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31/2-2
SAMPLE No.		DEPTH 1579.75
TYPE OF SAMPLE - Sand		DATE 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE			
	MESH	OPENING (mm)	GROSS	BASIN	NET WT (grams)	INDIV% (CUM%)
VERY COARSE SAND		2.0			0.3026	0.30
		1.0			2.2952	2.30
COARSE SAND		0.5			6.0922	6.09
		0.25			46.3633	46.38
MEDIUM SAND		0.125			30.4831	30.50
		0.063			7.6661	7.67
FINE SAND		<63µ			6.7617	6.76
		RECEIVER			99.9642	100.00
CLAY + SILT	Fraction passed through #20 sieve during wet sieving process (100-% sand fraction)					
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sands

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on #425 sieve after wet sieving)

GROSS
FILTER
NET 93.24 % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\% \text{ insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

$C_u = \frac{d_{84} - d_{16}}{d_{50}}$

$C_c = \frac{d_{84} - d_{16}}{d_{50} - d_{16}}$

	4	3.7	2.0	1.4	1.2	1.1	1.0
extra poor							
very poor							
poor							
moderate							
good							
very good							
extra good							

REMARKS: Inneholder kull

LOCATION: _____
 SAMPLE No.: _____
 TYPE OF SAMPLE: Sand

SIEVE ANALYSIS

WELL: 31/2-2
 DEPTH: 1580.96
 DATE: 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING (mm)	GROSS	BASIN	NET WT (grams)	INDIV%	CUM%
VERY COARSE SAND							
		1.0			0.3202	0.32	99.68
COARSE SAND							
		0.5			7.2137	7.22	92.46
MEDIUM SAND							
		0.25			54.678	54.70	37.76
FINE SAND							
		0.125			26.3692	26.38	11.38
VERY FINE SAND							
		0.063			2.6000	2.60	8.78
CLAY + SILT		<63μ			8.7771	8.78	
		RECEIVER			99.9586	100.00	
Fraction passed through #20 sieve during wet sieving process (100-% sand fraction)							
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
 (dried sample)

GROSS: _____
 BASIN: _____
 NET: 100.00 g = 100% sand

INSOLUBLES
 (sample after chemical treatment)

GROSS: _____
 FILTER: _____
 NET: _____ = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment:

SAND FRACTION (+ coarse silt)
 (retained on #60 sieve after wet sieving)

GROSS: _____
 FILTER: _____
 NET: % of insoluble

CALCULATING FACTOR

$\% = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
 d₁₆
 d₅₀ = median diam.
 d₈₄
 d₉₅
 $C_u = \frac{d_{84} - d_{16}}{d_{50}} = \frac{d_{84} - d_{16}}{d_{50}}$

4 27 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	best
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REMARKS: _____

LOCATION	SIEVE ANALYSIS	WELL 31/2-2
SAMPLE No.		DEPTH 1585, 22
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING (mm)	GROSS	BASIN	NET WT (grams)	INDIV%	CUM%
VERY COARSE SAND							
		1.0			0.9144	0.91	99.09
COARSE SAND							
		0.5			10.9392	10.94	88.15
MEDIUM SAND							
		0.25			52.9141	52.91	35.24
FINE SAND							
		0.125			28.0973	28.10	7.14
VERY FINE SAND							
		0.063			2.8053	2.81	4.33
CLAY + SILT		75µm			4.3284	4.33	
		RECEIVER			99.9987	100.00	
Fraction passed through 425µ sieve during wet sieving process (100-% sand fraction)							
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% sand

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on 425µ sieve after wet sieving)

GROSS
FILTER
NET : % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

$U_{50} = \frac{d_{84} - d_{16}}{d_{50}}$

4 27 2.0 1.4 1.2 1.1 1.0

	4	27	2.0	1.4	1.2	1.1	1.0
extra poor							
very poor							
poor							
moderate							
good							
very good							
extra good							

REMARKS

LOCATION _____
 SAMPLE No. _____
 TYPE OF SAMPLE Sand

SIEVE ANALYSIS

WELL 31 / 2 - 2
 DEPTH 1586.5
 DATE 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING	GROSS	BASIN	NET WT	INDIV %	CUM %
VERY COARSE SAND		mm			grams		
		1.0			1,139.1	1.14	98.86
COARSE SAND		0.5			20,811.7	20.82	78.04
		0.25			56,673.1	56.70	21.34
MEDIUM SAND		0.125			15,823.5	15.83	5.51
		0.063			1,672.0	1.67	3.84
FINE SAND		<63μ			3,835.7	3.84	
		RECEIVER			99,955.1	100.00	
CLAY + SILT	Fraction passed through 45μ sieve during wet sieving process (100-% sand fraction)						
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS _____
 BASIN _____
 NET 100.00 g = 100% sands

INSOLUBLES
(sample after chemical treatment)

GROSS : _____
 FILTER _____
 NET : _____ = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on 45μ sieve after wet sieving)

GROSS _____
 FILTER _____
 NET % of insoluble

CALCULATING FACTOR

$$\% = \frac{100}{\text{net insoluble}} = \text{_____}$$

SAND PARAMETERS

d₅ _____
 d₁₆ _____
 d₅₀ = med. diam. _____
 d₈₄ _____
 d₉₅ _____

$$C_u = \frac{d_{84} - d_{16}}{d_{50}} = \frac{\text{_____} - \text{_____}}{\text{_____}}$$

4 27 2.0 1.4 1.2 1.1 1.0

extra poor	very poor	poor	moderate	good	very good	extra good
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REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31 / 2 - 2
SAMPLE No.		DEPTH 1588.0
TYPE OF SAMPLE - Sand		DATE 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING	GROSS	BASIN	NET WT	INDIV %	CUM %
		mm			grams		
VERY COARSE SAND							
		1.0			0.2229	0.22	99.78
COARSE SAND							
		0.5			9.0490	9.06	90.72
MEDIUM SAND							
		0.25			53.2571	53.31	37.41
FINE SAND							
		0.125			31.8381	31.87	5.54
VERY FINE SAND							
		0.063			2.2884	2.29	3.25
CLAY + SILT		<0.063			3.2469	3.25	
		RECEIVER			99.8997	100.00	
Fraction passed through 425µ sieve during wet sieving process (100-% sand fraction)							
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100.00 g = 100% solids

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on 425µ sieve after wet sieving)

GROSS
FILTER
NET % of insoluble

CALCULATING FACTOR

$f = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d₅

d₁₆

d₅₀ = median diam.

d₈₄

d₉₅

$S_{g, 0.075} = \frac{d_{84} - d_{16}}{4} \cdot \frac{d_{95} - d_5}{6.6}$

	4	2.7	2.0	1.4	1.2	1.1	1.0
extra poor							
very poor							
poor							
moderate							
good							
very good							
extra good							

REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31/2-2
SAMPLE No.		DEPTH 1589.5
TYPE OF SAMPLE - Sand		DATE 25/4-80

SIZE CLASS	SIEVE		FRACTIONS RETAINED ON SIEVE				
	MESH	OPENING (mm)	GROSS	BASIN	NET WT (grams)	INDIV% (INDIV%)	CUM%
VERY COARSE SAND							
		1.0			0,0739	0,07	99,93
COARSE SAND							
		0,5			1,4310	1,43	98,50
MEDIUM SAND							
		0,25			19,6115	19,64	78,86
FINE SAND							
		0,125			53,4652	53,51	25,35
VERY FINE SAND							
		0,063			17,1186	17,13	8,22
CLAY + SILT		<63µ			8,2112	8,22	
		RECEIVER			99,9113	100,00	
CONTROL TOTAL							

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100,00 g = 100% sands

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES
Percentage of total sample dissolved after H₂O and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on 45µ sieve after wet sieving)

GROSS
FILTER
NET : 91,78 % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} =$

SAND PARAMETERS

d_5
 d_{16}
 d_{50} = median diam.
 d_{84}
 d_{95}

$U = \frac{d_{84} - d_{16}}{d_{50}}$

4 3.7 2.0 1.4 1.2 1.1 1.0

clay poor	very poor	poor	moderate	good	very good	excellent
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REMARKS

LOCATION	SIEVE ANALYSIS	WELL 31 / 2 - 2
SAMPLE No.		DEPTH 1593.5
TYPE OF SAMPLE Sand		DATE 25/4-80

SIZE CLASS	SIEVE MESH OPENING		FRACTIONS RETAINED ON SIEVE			
		mm	GROSS	BASIN	NET WT grams	INDIV% CUM%
VERY COARSE SAND						
		1.0			0,0154	0,02 99,98
COARSE SAND						
		0,5			0,0940	0,09 98,89
MEDIUM SAND						
		0,25			2,7258	2,72 96,17
FINE SAND						
		0,125			45,5314	45,56 51,61
VERY FINE SAND						
		0,063			33,8471	33,87 17,74
CLAY + SILT		K63H			17,7288	17,74
		RECEIVER			77,9425	100,00
		Fraction passed through #425 sieve during wet sieving process (100-% sand fraction)				
CONTROL TOTAL						

ORIGINAL TOTAL WEIGHT
(dried sample)

GROSS
BASIN
NET 100,00 g = 100% sands

INSOLUBLES
(sample after chemical treatment)

GROSS :
FILTER
NET : = 100% insoluble

SOLUBLES

Percentage of total sample dissolved after H₂O₂ and HCl treatment

SAND FRACTION (+ coarse silt)
(retained on #425 sieve after wet sieving)

GROSS
FILTER
NET % of insoluble

CALCULATING FACTOR

$CF = \frac{100}{\text{net insoluble}} = \text{input}$

SAND PARAMETERS

d₅
d₁₆
d₅₀ = median diam.
d₈₄
d₉₅

$U_{50} = \frac{d_{84} - d_{16}}{d_{50}}$

4 3.7 2.0 1.4 1.2 1.1 1.0

extra fine	very fine	fine	medium	coarse	very coarse	extra coarse
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REMARKS

