

Denne rapport
tilhører

 **STATOIL**

L&U DOK. SENTER

L. NR. 20088370037

KODE well 31/2-7 nr 5

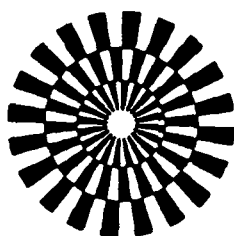
Returneres etter bruk

A/S NORSKE SHELL

SIEVE ANALYSIS

WELL: 31/2 - 7

DATE: JUNE 1982



GECO
GEOPHYSICAL COMPANY
OF NORWAY A-S



A/S NORSKE SHELL

SIEVE ANALYSIS

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DESCRIPTION OF SIEVE ANALYSIS:

The samples were extracted using methanol followed by toluene.

The grain size distribution was determined by dry sieving.

Ultra sonic pulses were used to separate the different fractions.

Fractional and cumulative weight percent are reported for all sizes.

Median, mean, and modal grain size and Trask sorting are also included in the report.

The results are reported both in tabular and graphical form.



SIEVE ANALYSIS

Depth : 1588.0 m
 Original Total Weight : 20.434 g
 Recovered : 20.388 g

Grain Size:	Net.Wt.g:	Frac.Wt. %:	Cum. %:
greater than - 1.4 mm	0.165	0.81	99.19
1.0 - 1.4 mm	0.264	1.29	97.90
0.5 - 1.0 mm	3.469	17.01	80.89
0.25 - 0.5 mm	9.278	45.51	35.38
0.15 - 0.25 mm	4.644	22.78	12.60
0.075 - 0.15 mm	2.075	10.18	2.42
0.045 - 0.075 mm	0.350	1.72	0.70
0.025 - 0.045 mm	0.126	0.62	0.08

less than
- 0.025 mm 0.017 0.08

Median Grain Size, Md	Mean Grain Size, M	Modal Grain Size, Mo	Trask Sorting, So
mm	mm	mm	
0.310	0.374	0.375	1.45



SIEVE ANALYSIS

Depth : 1588.9 m
 Original Total Weight : 20.146 g
 Recovered : 20.112 g

Grain Size:	Net.Wt.g:	Frac.Wt. %:	Cum. %:
greater than - 1.4 mm	0.120	0.60	99.40
1.0 - 1.4 mm	0.813	4.04	95.36
0.5 - 1.0 mm	12.139	60.36	35.00
0.25 - 0.5 mm	5.135	25.53	9.47
0.15 - 0.25 mm	0.960	4.77	4.70
0.075 - 0.15 mm	0.622	3.09	1.61
0.045 - 0.075 mm	0.207	1.03	0.58
0.025 - 0.045 mm	0.102	0.51	0.07

less than
- 0.025 mm 0.014 0.07

Median Grain Size, Md	Mean Grain Size, M	Modal Grain Size, Mo	Trask Sorting, So
mm	mm	mm	
0.600	0.615	0.750	1.35



SIEVE ANALYSIS

Depth : 1589.8 m
 Original Total Weight : 19.601 g
 Recovered : 19.560 g

Grain Size:	Net.Wt.g:	Frac.Wt. %:	Cum. %:
greater than			
- 1.4 mm	0.356	1.82	98.18
1.0 - 1.4 mm	1.118	5.72	92.46
0.5 - 1.0 mm	9.042	46.23	46.23
0.25 - 0.5 mm	5.984	30.59	15.64
0.15 - 0.25 mm	1.385	7.08	8.56
0.075 - 0.15 mm	1.111	5.68	2.88
0.045 - 0.075 mm	0.319	1.63	1.25
0.025 - 0.045 mm	0.203	1.04	0.21

less than
 - 0.025 mm 0.042 0.21

Median Grain Size, Md	Mean Grain Size, M	Modal Grain Size, Mo	Trask Sorting, So
mm	mm	mm	
0.520	0.563	0.750	1.44



SIEVE ANALYSIS

Depth : 1590.7 m
 Original Total Weight : 20.419 g
 Recovered : 20.384 g

Grain Size:	Net.Wt.g:	Frac.Wt. %:	Cum. %:
greater than - 1.4 mm	0.221	1.08	98.92
1.0 - 1.4 mm	0.547	2.68	96.24
0.5 - 1.0 mm	6.262	30.72	65.52
0.25 - 0.5 mm	7.727	37.91	27.61
0.15 - 0.25 mm	2.335	11.46	16.15
0.075 - 0.15 mm	2.503	12.28	3.87
0.045 - 0.075 mm	0.495	2.43	1.44
0.025 - 0.045 mm	0.204	1.00	0.44

less than
- 0.025 mm 0.090 0.44

Median Grain Size, Md mm	Mean Grain Size, M mm	Modal Grain Size, Mo mm	Trask Sorting, So
0.420	0.450	0.375	1.58



SIEVE ANALYSIS

Depth : 1591.6 m
 Original Total Weight : 19.852 g
 Recovered : 19.799 g

Grain Size:	Net.Wt.g:	Frac.Wt. %:	Cum. %:
greater than			
- 1.4 mm	0.367	1.85	98.15
1.0 - 1.4 mm	0.310	1.57	96.58
0.5 " 1.0 mm	3.855	19.47	77.11
0.25 - 0.5 mm	6.717	33.93	43.18
0.15 - 0.25 mm	4.723	23.86	19.32
0.075 - 0.15 mm	3.188	16.10	3.22
0.045 - 0.075 mm	0.466	2.35	0.87
0.025 - 0.045 mm	0.119	0.60	0.27
less than			
- 0.025 mm	0.054	0.27	
Median Grain Size, Md mm	Mean Grain Size, M mm	Modal Grain Size, Mo mm	Trask Sorting, So
0.280	0.367	0.375	1.64



SIEVE ANALYSIS

Depth : 1592.5 m
 Original Total Weight : 19.483 g
 Recovered : 19.447 g

Grain Size:	Net.Wt.g:	Frac.Wt. %:	Cum. %:
greater than - 1.4 mm	0.088	0.45	99.55
1.0 - 1.4 mm	0.145	0.74	98.81
0.5 - 1.0 mm	2.195	11.29	87.25
0.25 - 0.5 mm	6.525	33.55	53.97
0.15 - 0.25 mm	5.383	27.68	26.29
0.075 - 0.15 mm	4.457	22.92	3.37
0.045 - 0.075 mm	0.545	2.80	0.57
0.025 - 0.045 mm	0.075	0.38	0.19
less than 0.025 mm	0.038	0.19	
 Median Grain Size, Md mm	 Mean Grain Size, M mm	 Modal Grain Size, Mo mm	 Trask Sorting, So
0.230	0.366	0.375	1.55



SIEVE ANALYSIS

Depth : 1593.4 m
 Original Total Weight : 19.934 g
 Recovered : 19.842 g

Grain Size:	Net.Wt.g:	Frac.Wt. %:	Cum. %:
greater than			
- 1.4 mm	0.124	0.62	99.38
1.0 - 1.4 mm	0.298	1.50	97.88
0.5 - 1.0 mm	1.601	8.07	89.81
0.25 - 0.5 mm	3.916	19.47	70.07
0.15 - 0.25 mm	5.777	29.11	40.96
0.075 - 0.15 mm	6.401	32.26	8.70
0.045 - 0.075 mm	1.079	5.44	3.26
0.025 - 0.045 mm	0.490	2.47	0.79
0.015 - 0.025 mm	0.138	0.70	0.09
less than			
0.025 mm	0.018	0.09	
 Median Grain Size, Md mm	 Mean Grain Size, M mm	 Modal Grain Size, Mo mm	 Trask Sorting, So
0.176	0.253	0.113	1.59



SIEVE ANALYSIS

Depth : 1594.3 m
 Original Total Weight : 19.910 g
 Recovered : 19.841 g

Grain Size:	Net.Wt.g:	Frac.Wt. %:	Cum. %:
greater than			
- 1.4 mm	0.503	2.54	97.46
1.0 - 1.4 mm	0.244	1.23	96.23
0.5 " 1.0 mm	1.078	5.43	90.80
0.25 - 0.5 mm	2.889	14.56	76.24
0.15 - 0.25 mm	6.565	33.09	43.15
0.075 - 0.15 mm	6.933	34.94	8.21
0.045 - 0.075 mm	1.194	6.02	2.19
0.025 - 0.045 mm	0.293	1.48	0.71
0.015 - 0.025 mm	0.120	0.60	0.11
less than			
- 0.015 mm	0.022	0.11	
Median Grain Size, Md mm	Mean Grain Size, M mm	Modal Grain Size, Mo mm	Trask Sorting, So
0.175	0.226	0.113	1.72

Client

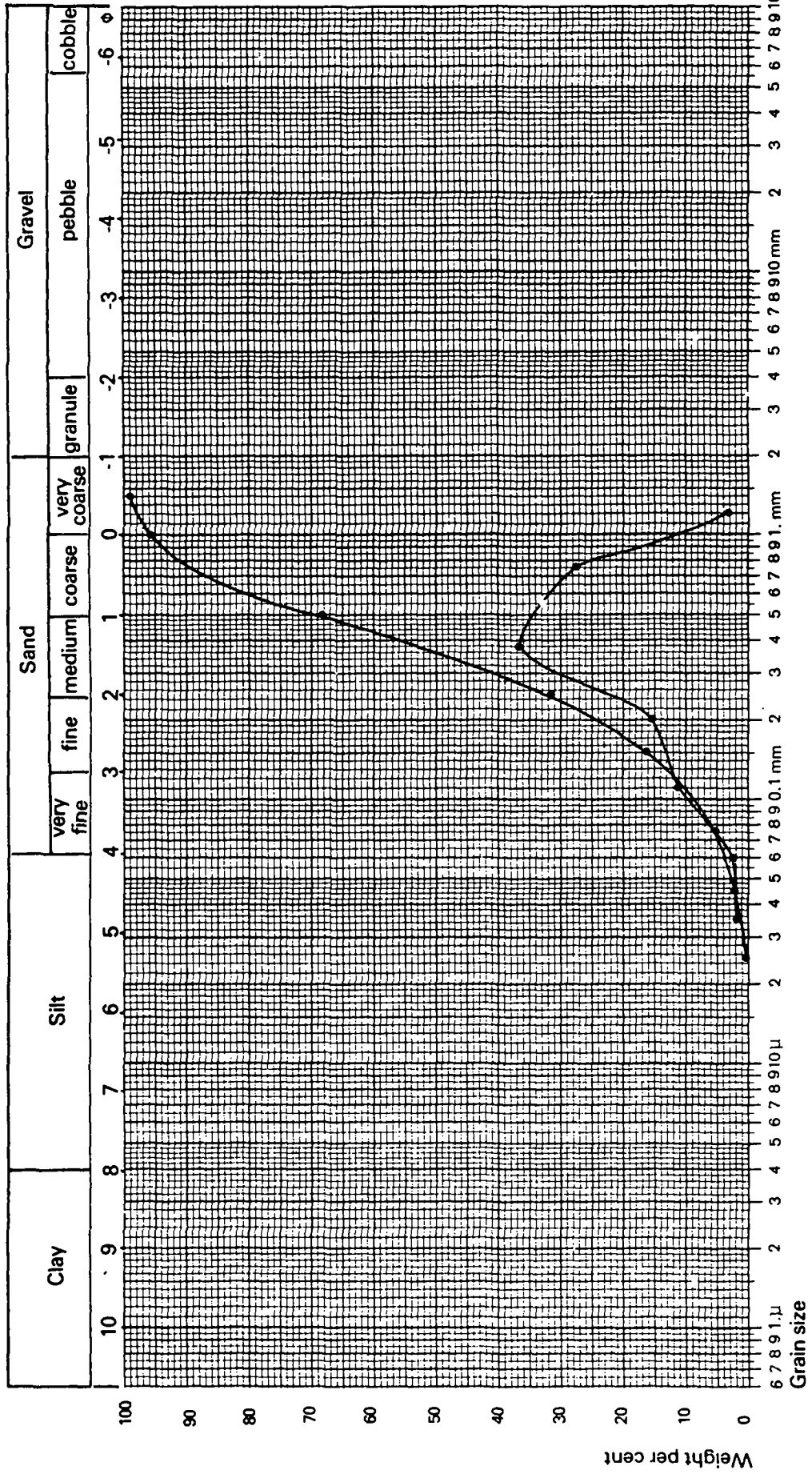
/SORS SHEB



Grain Size Distribution

Well number 31/2-7

Depth 1587.5m



Clay	Silt			Sand					Gravel								
	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6
										very fine	fine	medium	coarse	very coarse	granule	pebble	cobble

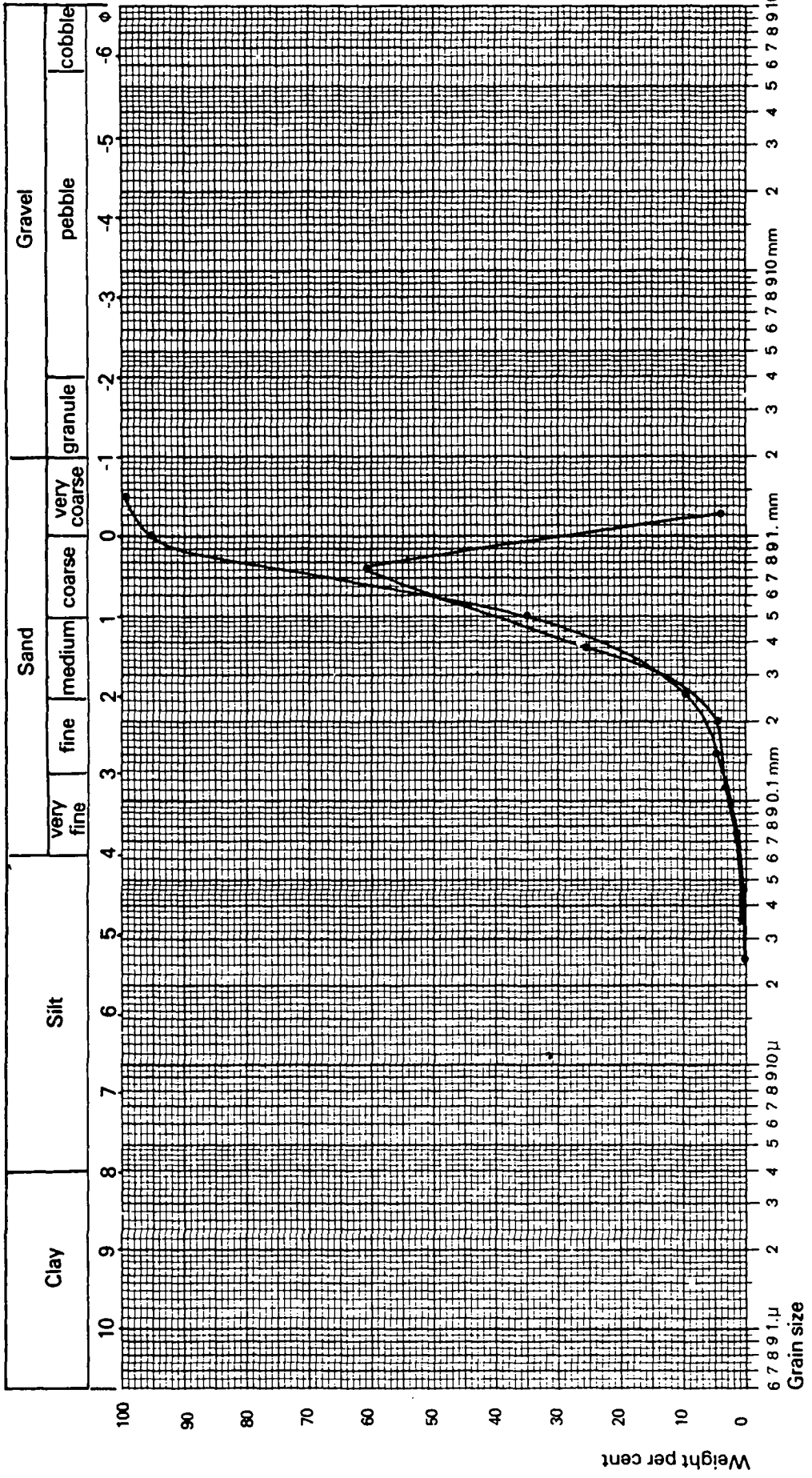
Sample no.	Depth > 2mm	< 0.002mm	Md	M	So	Mo	Remarks
			0.360	0.435	1.64	0.375	



Grain Size Distribution

Well number 31/2-7

Depth 1588.9m



Sample no.	Depth > 2 mm	<math>< 0.002\text{ mm}</math>	Md	M	So	Mo	Remarks
			0.600	0.615	1.35	0.750	

Analyst:

Client

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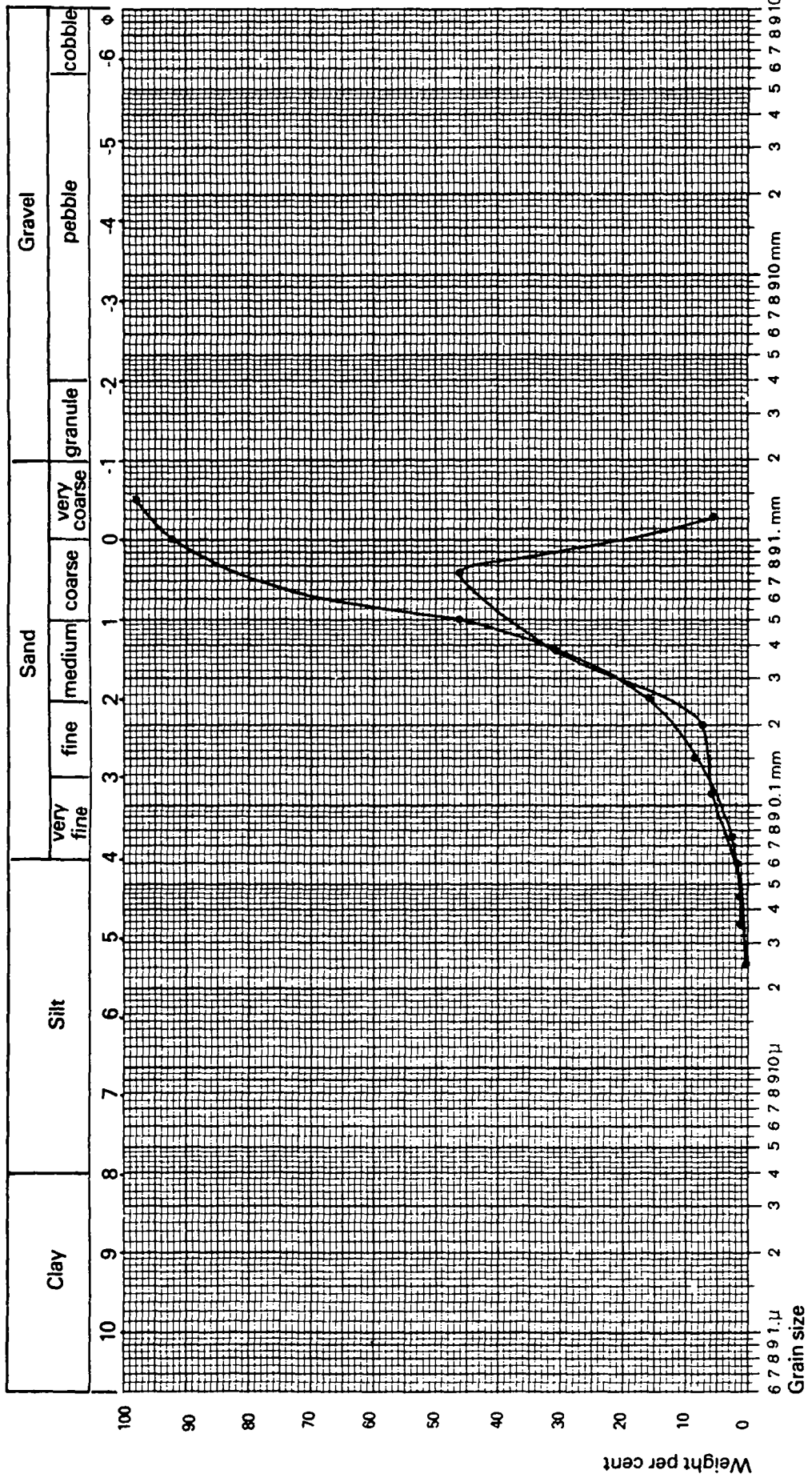
GRAIN SIZE DISTRIBUTION SHEET



Grain Size Distribution

Well number 31/2-7

Depth 1589.8m



Sample no.	Depth > 2 mm	< 0.002 mm	Md	M	So	Mo	Remarks
			0.520	0.563	1.44	0.750	

Client

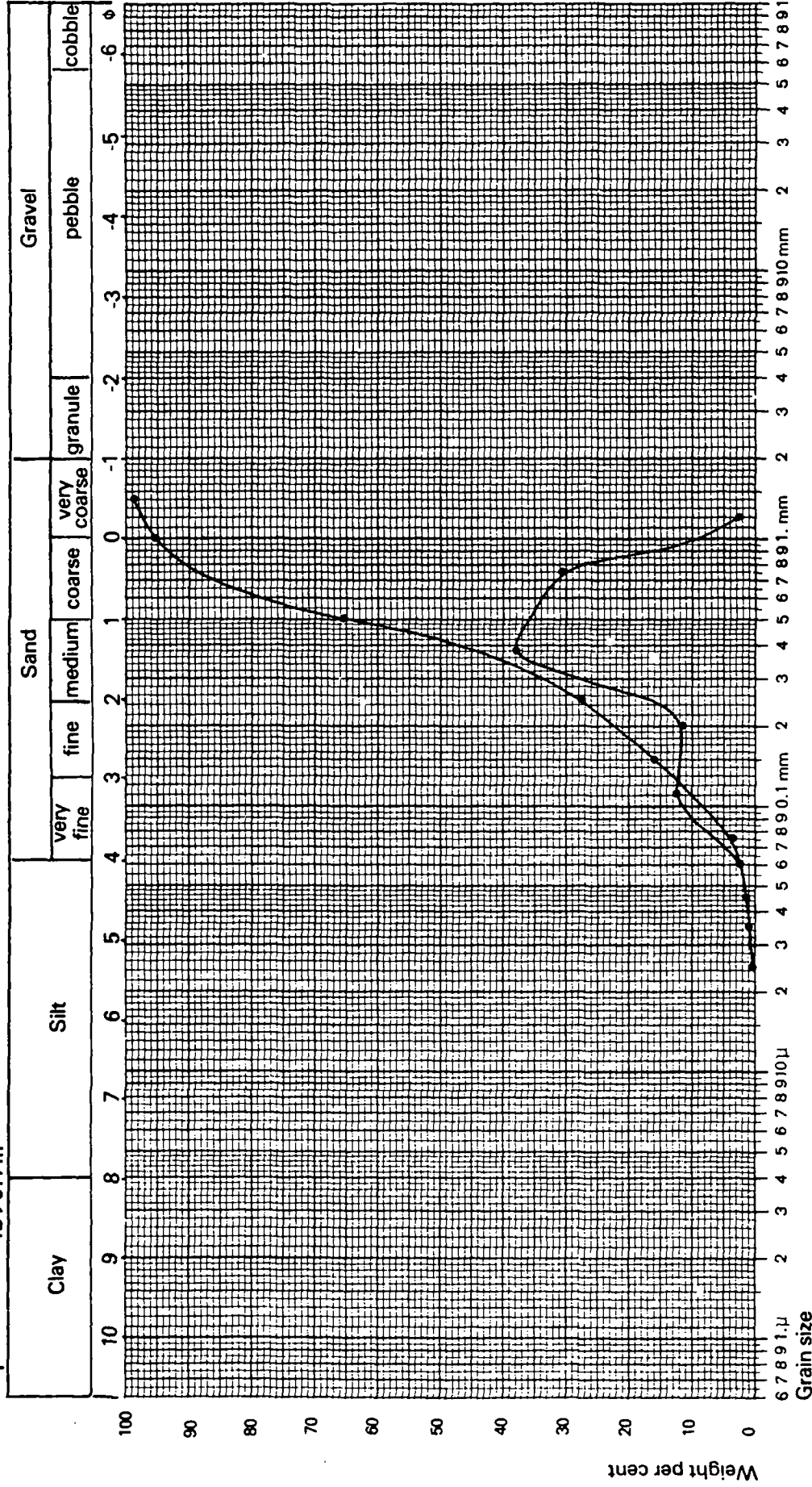
A/S NORSE SHELL



Grain Size Distribution

Well number 31/2-7

Depth 1590.7m



Sample no.	Depth > 2 mm	Md	M	So	Mo	Remarks
	<math>< 0.002 \text{ mm}</math>	0.420	0.450	1.58	0.375	

Client

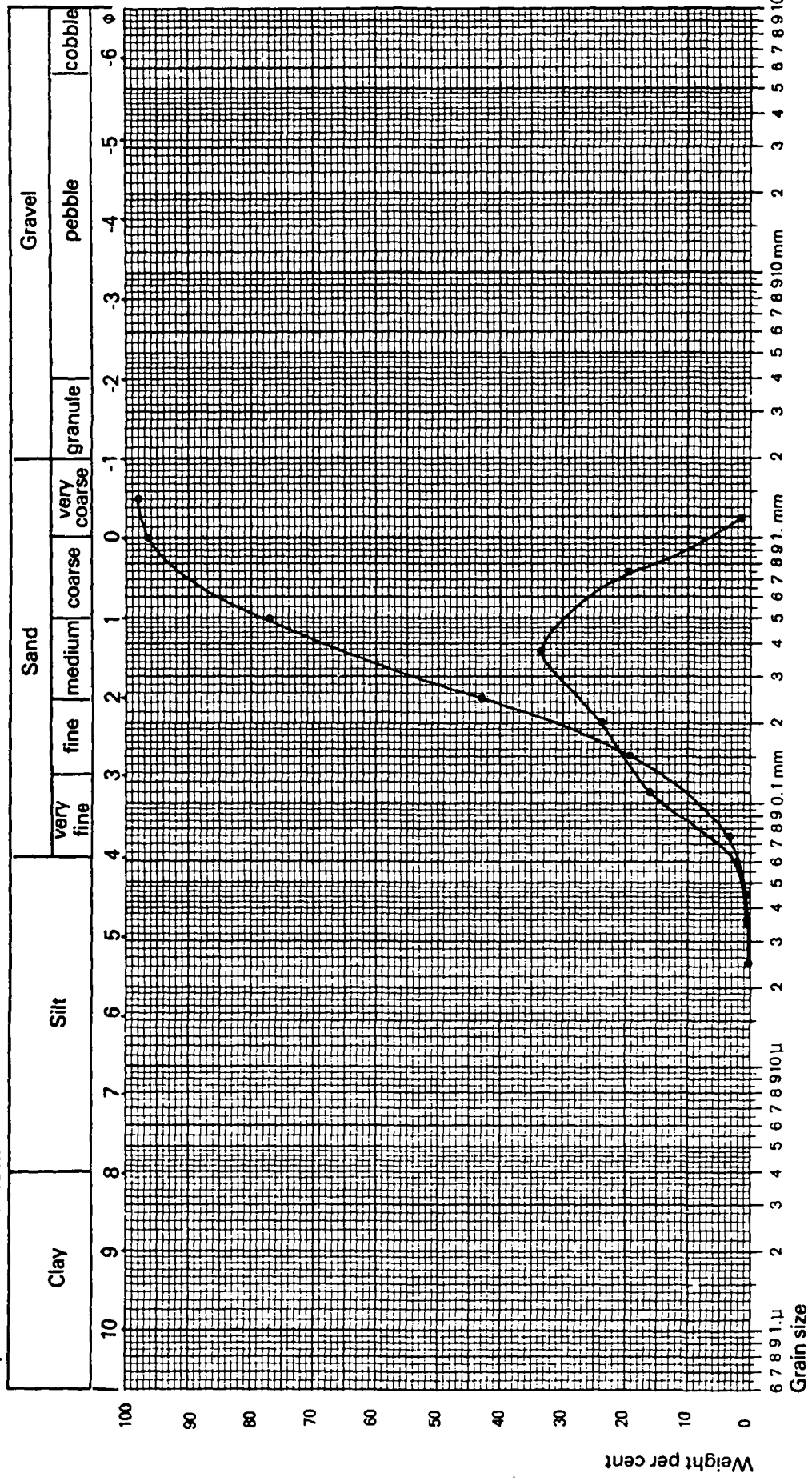
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Well number 31/2-7

Grain Size Distribution



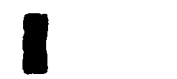
Depth 1591.6m



Sample no.	Depth > 2 mm	< 0.002 mm	Md	M	So	Mo	Remarks
			0.280	0.367	1.64	0.375	

Client

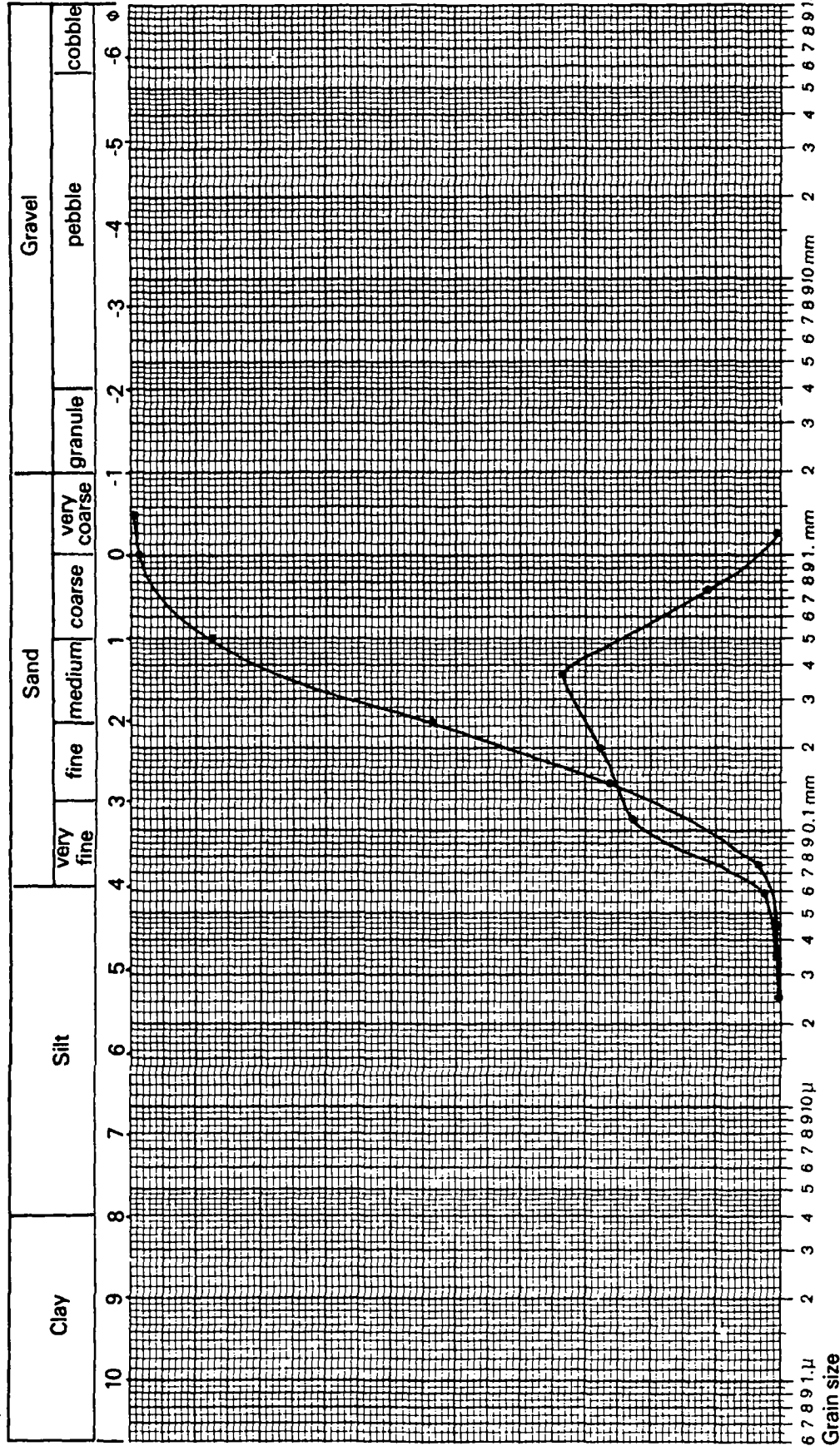
A/S NORSKE SHELL



Grain Size Distribution

Well number 31/2-7

Depth 1592.5m



Sample no.	Depth > 2 mm	< 0,002 mm	Md	M	So	Mo	Remarks
		0.230	0.366	1.55	0.375		

Client

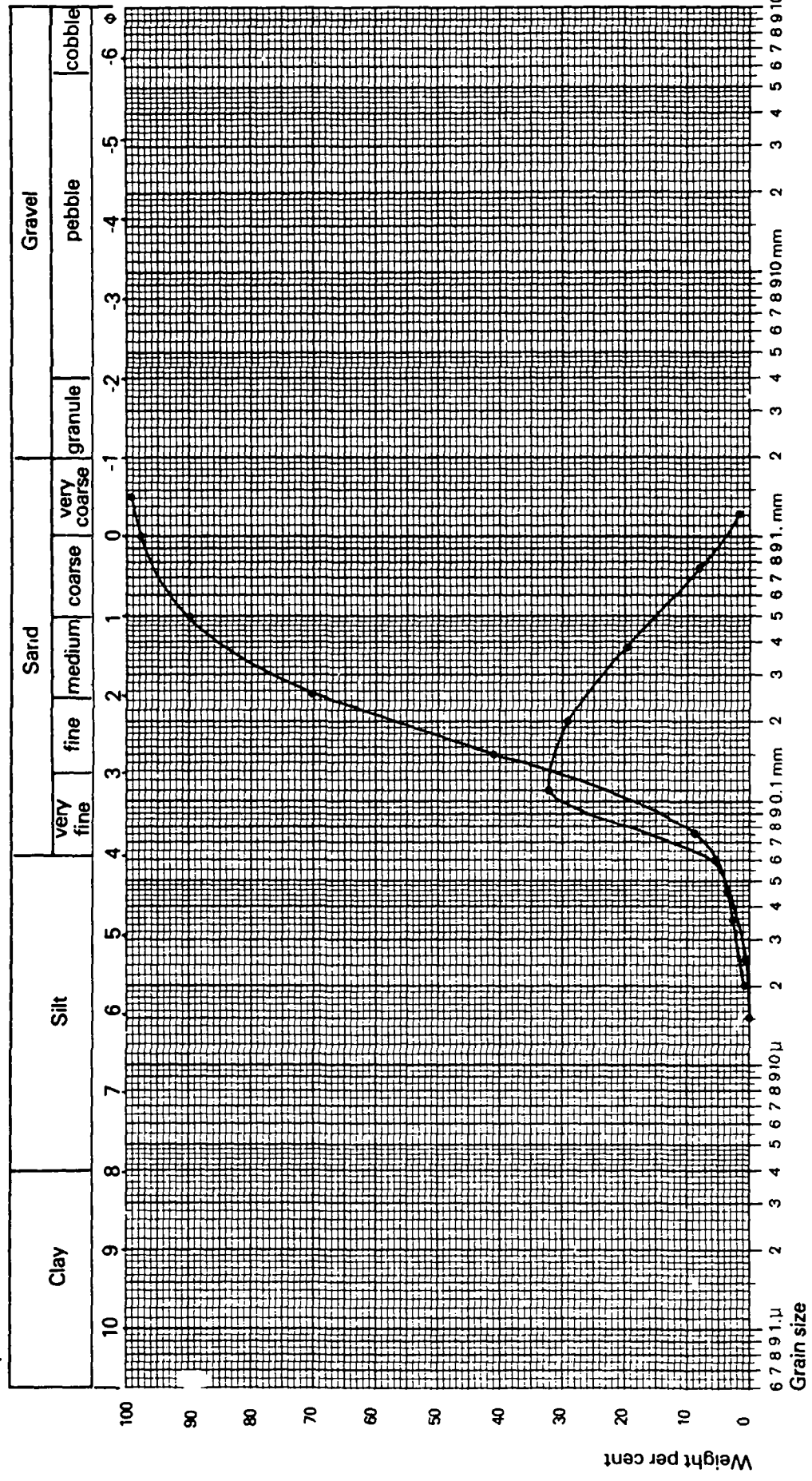
A / S NORSK SHELL



Grain Size Distribution

Well number 31/2-7

Depth 1593.4m



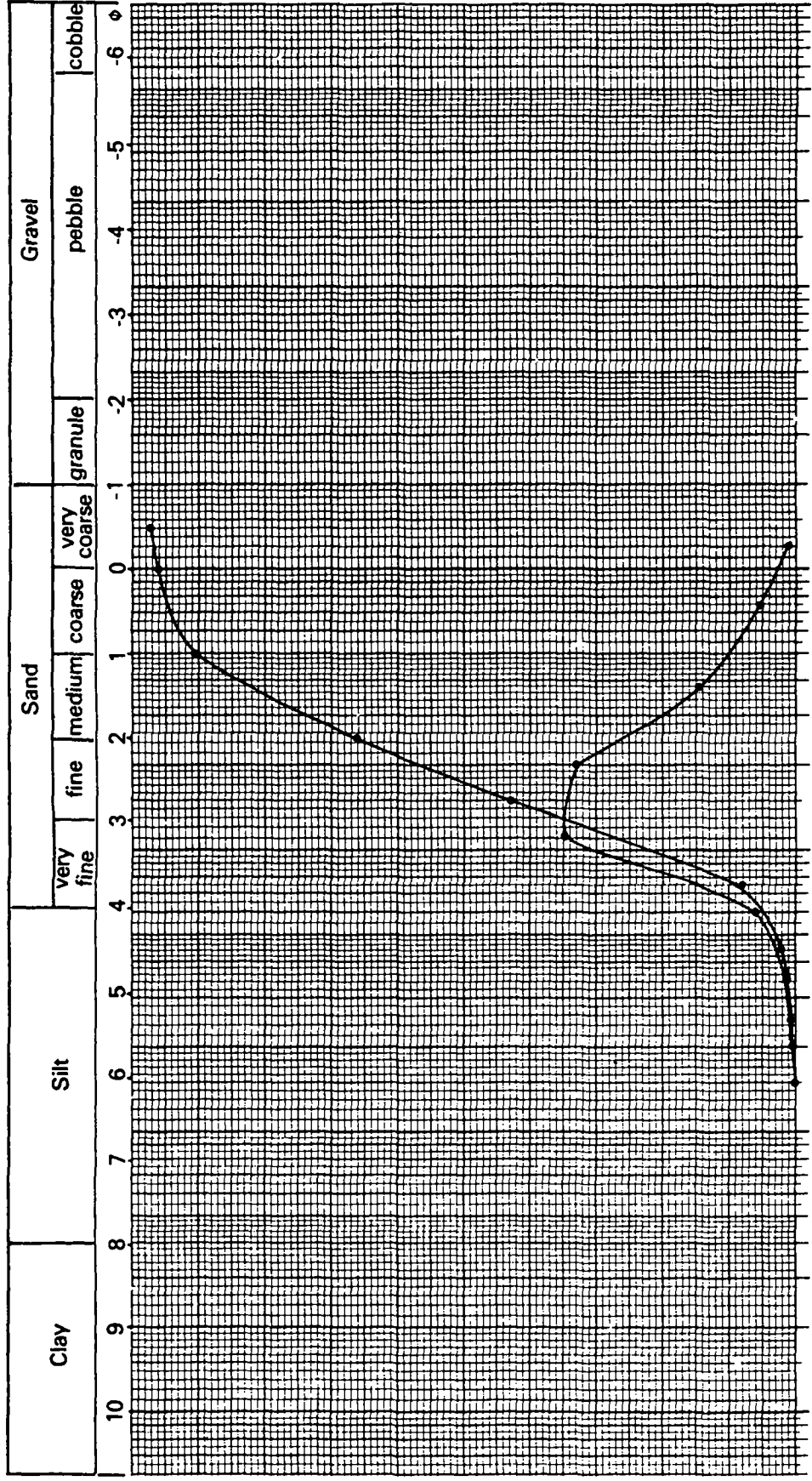
Sample no.	Depth > 2 mm < 0,002 mm	Md	M	So	Mo	Remarks
		0.176	0.253	1.59	0.113	



Grain Size Distribution

Well number 31/2-7

Depth 1594.3m



6 7 8 9 10
2 3 4 5 6 7 8 9 10
μ 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
mm 2 3 4 5 6 7 8 9 10 20 30 40 50 60 70 80 90 100

Sample no.	Depth > 2 mm	< 0,002 mm	Md	M	So	Mo	Remarks
			0.175	0.226	1.72	0.113	