

CONOCO NORWAY INC. 1/6-7

COST AND PRODUCT ADDITIONS

36" HOLE SECTION

Rig: WEST VANGUARD

Contractor: SMEDVIG DRILLING.

Start date for hole section:	15-3-92	Last date hole section:	17-3-92
Start Rep No. for hole sect:	1	Hole section [inches]:	36
Start volume for hole section:	0	Drilling days:	3
Hole from [meter] :	92	Hole to [meter] :	165

Product	Quantity	Units	Unit price NOK	Total cost NOK
Barite	119	ton	625,00	74 375
Bentonite	28	ton	1 700,00	47 600
Spud Mud	1320	bbl	62,61	82 645
Soda ash	4	25 kg	60,00	240
Caustic	10	25 kg	123,00	1 230
XCD polymer	1	25 kg	1 897,00	1 897

VOLUME MIXED:	Barrels:	2 809
VOLUME USED:	Barrels:	840
Volume transferred to next hole section:	Barrels:	1 969

Cost per m drilled:	NOK	*851
Cost per bbl:	NOK	74
Total product cost for interval:	NOK	207 987

* based on 840 bbl mud consumed for drilling the 36" section.

**CONOCO NORWAY INC. 1/6-7
COST AND PRODUCT ADDITIONS**

26" HOLE SECTION

Rig: WEST VANGUARD

Contractor: SMEDVIG DRILLING.

Start date for hole section:	18-3-92	Last date hole section:	25-3-92
Start Rep No. for hole sect:	4	Hole section [inches]:	26
Start volume for hole section:	1969	Drilling days:	8
Hole from [meter] :	165	Hole to [meter] :	1009

Product	Quantity	Units	Unit price NOK	Total cost NOK
Barite	192	ton	625,00	120 000
Wyoming Bentonite	118	ton	1 700,00	200 600
Potassium Hydroxide	8	25 kg	212,00	1 696
Soda ash	38	25 kg	60,00	2 280
Caustic	58	25 kg	123,00	7 134

VOLUME MIXED:	Barrels:	8 933
VOLUME USED:	Barrels:	10 814
Volume transferred to next hole section:	Barrels:	88

Cost per m drilled:	NOK	* 560
Cost per bbl:	NOK	37
Total product cost for interval:	NOK	331 710

* based on 1969 bbl transferred from 36" section, and volume mixed and consumed for this section.

CONOCO NORWAY INC. WELL 1/ 6 - 7

COST AND PRODUCT ADDITIONS

17 1/2" SECTION

Rig: WEST VANGUARD

Contractor: SMEDVIG DRILLING

Start date for hole sect:	26.03.92	Last date hole section:	29.04.92
Start FSR No. for hole sect:	12	Hole section [inches]:	17,5
Start volume for hole section:	88	Drilling days:	35
Hole from [meter] :	1009	Hole to [meter] :	3273

Product	Quantity	Units	Unit price NOK	Total cost NOK
Barite	2015	mt	625,00	1 259 375
Duponol WBS 200	448	bbl	598,00	267 904
Caustic Soda	81	25 kg	123,00	9 963
Potassium Hydroxide	112	25 kg	212,00	23 744
Soda Ash	4	25 kg	60,00	240
XCD - Polymer	23	25 kg	1 897,00	43 631
KCl - Brine	3043	bbl	96,00	292 128
Potassium Carbonate	80	25 kg	191,00	15 280
Anco PHPA	100	50 lbs	783,00	78 300
Drispac Superlo	911	50 lbs	832,00	757 952
Drispac Regular	29	50 lbs	832,00	24 128
Ancocide	40	25 l	290,00	11 600
KCl	37	mt	1 730,00	64 010
KCl	400	25 kg	52,00	20 800
KCl Mud	1365	bbl	118,52	161 785
KD - 40	5	200 l	7 400,00	37 000
Anco Defomer	32	25 l	306,00	9 792
Mica Fine	265	25 kg	102,00	27 030
Nutplug Fine	119	25 kg	102,00	12 138
Lime	12	20 kg	32,00	384
CMC Lovis	184	25 kg	322,00	59 248
Anco Resin	8	25 kg	356,00	2 848
Ligthin	450	25 kg	716,00	322 200
Sodium Bicarbonate	7	25 kg	80,00	560
Citric Acid	5	25 kg	282,00	1 410
Desco CF	57	25 kg	194,00	11 058

VOLUME MIXED:	Barrels:	12 763
VOLUME USED:	Barrels:	9591
Volume transferred to next hole section:	Barrels:	3260

Cost per m drilled:	NOK	1 552
Cost per bbl:	NOK	275
Total product cost for interval:	NOK	3 514 508

ANCHOR DRILLING FLUIDS A/S

CONOCO NORWAY INC. 1/6-7

COST AND PRODUCT ADDITIONS

12 1/4" HOLE SECTION

Rig: WEST VANGUARD

Contractor: SMEDVIG DRILLING.

Start date for hole section:	30-4-92	Last date hole section:	8-6-92
Start Rep No. for hole sect:	47	Hole section [inches]:	12 1/4
Start volume for hole section:	3260	Drilling days:	40
Hole from [meter] :	3273	Hole to [meter] :	4358

Product	Quantity	Units	Unit price NOK	Total cost NOK
Barite	766	ton	625,00	478 750
Wyoming Bentonite	571	25 kg	62,00	35 402
Defoamer	51	25 kg	306,00	15 606
Soda ash	39	25 kg	60,00	2 340
Caustic	177	25 kg	123,00	21 771
Sod. Bicarbonate	171	25 kg	80,00	13 680
Calcium Carbonate F	78	25 kg	27,00	2 106
Calcium Carbonate C	78	25 kg	27,00	2 106
XCD polymer	46	25 kg	1 897,00	87 262
Drispac Superlo	179	50 lb	832,00	148 928
Desco CF	32	25 lbs	194,00	6 208
Ancocide	70	25 ltr	290,00	20 300
Ancotemp	407	50 lbs	1 716,00	698 412
Anco Resin	837	25 kg	356,00	297 972
Citric Acid	104	25 kg	282,00	29 328
Thermopol	95	25 kg	2 956,00	280 820
Ligthin	589	25 kg	716,00	421 724
KD-40	2	200 ltr	7 400,00	14 800
Walnut fine	12	25 kg	102,00	1 224
Mica fine	103	25 kg	102,00	10 506
Ven-Fyber	107	25 kg	272,00	29 104

VOLUME MIXED:	Barrels:	10 117
VOLUME USED:	Barrels:	6 965
Volume transferred to next hole section:	Barrels:	3 152

Cost per m drilled:	NOK	2 413
Cost per bbl:	NOK	259
Total product cost for interval:	NOK	2 618 349

CONOCO NORWAY OIL COMPANY, 1/6-07

COST AND PRODUCT ADDITIONS

8 1/2" SECTION

Rig: WEST VANGUARD

Contractor: SMEDVIG DRILLING

Start date for hole:	09/06/92	Last date hole section:	12-7-92
Start Rep No. for hole sect:	87	Hole section [inches]:	8 1/2"
Start volume for hole section:	3152	Drilling days:	18
Hole from [meter]:	4358	Hole to [meter]:	4995

Product	Quantity	Units	Unit price NOK	Total cost NOK
Barite	1001	mt	625,00	625 625
Wyoming Bentonite	108	25 kg	62,00	6 696
Defoamer	11	25 ltr	306,00	3 366
Soda Ash	4	25 kg	60,00	240
Caustic	86	25 kg	123,00	10 578
Lime	89	20 kg	32,00	2 848
Citric Acid	7	25 kg	282,00	1 974
Sodium Bicarbonate	8	25 kg	80,00	640
XCD Polymer	12	25 kg	1 897,00	22 764
Anco Resin	439	25 kg	356,00	156 284
Thermopol	326	25 kg	2 956,00	963 656
Ligthin	23	25 kg	716,00	16 468
Ancocide	54	25 ltr	290,00	15 660
Desco CF	150	25 lbs	194,00	29 100
Ancotemp	252	25 kg	1 716,00	432 432
Nut plug F	23	25 kg	102,00	2 346
Venfyber 201	19	25 kg	272,00	5 168
Calc. Carbonate F	103	25 kg	27,00	2 781
KD-40	3	200 ltr	7 400,00	22 200
Mica F	136	25 kg	102,00	13 872

VOLUME MIXED:	Barrels:	3 831
VOLUME USED:	Barrels:	4 861
Volume remaining at end of well:	Barrels:	2122

Cost per m drilled:	NOK	3 665
Cost per bbl:	NOK	609
Total product cost for interval:	NOK	2 334 698

NO.	DEPTH m RKB	HYDROSTATIC PRESSURE (PSIA)	TEMPERATURE °C	DRAWDOWN		FORMATION PRESSURE (PSIA)	REMARKS
				PSI	SECS		
1	4370	13067	-	-	-	-	Hole out of gauge
2	4633	13870.0	157.1	9936.1	5.0	12490.0	1000 sec. build up terminated early
3	4756	-	-	-	-	-	Abandon pretest due to sticky hole.
4	4884	14466.0	-	-	-	14667.0	Supercharged
5	4890	14480.0	-	-	-	14727.0	Supercharged
6	4882	14478.0	-	-	-	14595.0	Supercharged
7	4925	14603.0	-	-	-	14880.0	Supercharged
8	4950	14684.0	-	-	-	14868.0	Supercharged
9	4884	14476.4	167.5	14092.7	2.4	14389.2	Excellent permeability
10	4890	14492.7	168.5	14012.2	2.8	14399.0	Very good permeability
11	4900	14522.8	168.5	13621.4	2.8	14414.6	Good permeability
12	4910	14553.6	169.1	13709.4	3.2	14440.8	Moderate - good permeability
13	4925	14604.5	170.2	14225.6	2.3	14446.5	Moderate permeability
14	4930	14620.4	170.5	14069.5	2.7	14460.9	Good - moderate permeability
15	4935	14638.1	171.2	13785.8	2.6	14470.1	Moderate permeability
16	4940	14652.0	171.4	13814.3	3.1	14476.1	Moderate permeability
17	4950	14684.0	171.4	14179.8	2.3	14485.4	Moderate permeability
18	4884	14473.1	169.7	13869.9	2.6	14391.8	Sampled 14458psi/10ltr 14453psi/4 ltr chamber.