

I.8 WIRELINE FORMATION TESTS

The Schlumberger Repeat Formation Tester (RFT) tool was run over the interval 3450-3750 m BDF to record formation pressures and attempt sample recovery from prospective zones. The pressure data are summarised in Table I.8.1 and plotted as a function of depth in Figure I.8.1.

The static pressure data give evidence of a pressure discontinuity in the section between 3600 and 3660 m BDF. The limited number of data points precludes the accurate assessment of pressure gradients but a clear shift of some 300 psi in gradient line is indicated in Figure I.8.1.

Samples recovered from the RFT chambers from two zones, 3454 m BDF and 3667 m BDF showed only water with a trace of hydrocarbons (refer GECO's water analysis, appendix).

Permeability estimates are derived from the pretest flow pressures. The values are generally low throughout the section confirming the poor reservoir quality as determined from the petrophysical evaluation.

WELL 30/11-3 : SUMMARY OF RFT PRESSURE MEASUREMENTS

Depth	Flowing Pressure Pretest (1)	Flowing Pressure Pretest (2)	Flowing Pressure Sample	Static Pressure	Permeability Estimate	Remarks
m bdf	psig	psig	psig	psig	mD	
3454	5478	5443		5496	50	Pretest
3454			5316	5496	-	Sample
3524	5640	5635		5645	200	Pretest
3598	5590	5444		5731	7	Pretest
3667	5200	4941		5839	2	Pretest; slow build-up - supercharge?
3668	5206	4782		5535	3	Pretest
3668	5260	4801		5532	3	Pretest, repeat
3667.5	5358	5150		5534	6	Pretest
3692	4198	2270		5581	0.7	Pretest
3754	40	40		-	Tight	Pretest
3667	5238	4820		5552	3	Pretest
3667			1700	5554	-	Sample

- Note
1. Permeabilities are derived from the Schlumberger formula (RFT - Essentials of Pressure Test Interpretation) using both pretest flowing pressures.
 2. Permeability values represent an estimate of the conditions in the filtrate invaded zone.
 3. Data source: RFT no. 1, 29.01.1983.

OPERATOR

A/S NORSKE SHELL

WELL NO.

30/11-3

MATERIAL CONSUMPTION & COST ANALYSIS

(12 1/4" PILOT HOLE)

17 1/2" HOLE DRILLED TO 2023 Meters ~~2023~~ 13 3/8" CASING SET AT 1994 Meters ~~1994~~

ACTUAL AMOUNT OF HOLE DRILLED 1383 Meters ~~1383~~ DAYS ON INTERVAL 11

DRILLING FLUID SYSTEM KCl - POLYMER

MATERIAL	UNIT SIZE	PROG.	USED	VARIANCE ±	US\$ COST
BARITE	M/T	150	63	- 87	8,631.00
DRISPAC REGULAR	50 LBS	128	162	+ 34	24,948.00
CMC LOVIS	25 KG	128	174	+ 46	11,310.00
CAUSTIC SODA	25 KG	85	138	+ 53	2,760.00
SODA ASH	50 KG	32	77	+ 45	1,540.00
LF-5	25 KG	255	338	+ 83	17,576.00
ALUMINIUM STEARATE	25 KG	0	1	+ 1	86.00
KCl BRINE	BBL	0	2340		43,534.40
KCl SACKS	50 KG	1275	279	- 996	5,496.30
ANCOPOL	25 KG/DRUM	128	74	- 54	10,952.00
DRILLING DETEGENT	20 L/DRUM	15	0	- 15	0

COST/DAY US\$ 11,530.34 TOTAL COST FOR INTERVAL US\$ 126,833.70

COST/Mt. or Ft. ~~xxx~~ \$ 91,71 PROG. COST FOR INTERVAL US\$ 121,942.00

ENGR. COST COST VARIANCE FOR INTERVAL \$ + 1,391.70

OPERATOR A/S NORSKE SHELL

WELL NO. 30/11-3

MATERIAL CONSUMPTION & COST ANALYSIS

12 1/4" HOLE DRILLED TO 3053 ^{Meters}~~XXX~~_{Feet} 9 5/8" CASING SET AT 3041 ^{Meters}~~XXX~~_{Feet}

ACTUAL AMOUNT OF HOLE DRILLED 1030 ^{Meters}~~XXX~~_{Feet} DAYS ON INTERVAL 26

DRILLING FLUID SYSTEM KCl - POLYMER

MATERIAL	UNIT SIZE	PROG.	USED	VARIANCE ±	US\$ COST
BARITE	M/T	0	125	+ 125	17,125.00
BENTONITE	M/T	25		- 25	0
DRISPAC REGULAR	50 LBS	0	102	+ 102	15,708.00
XC-POLYMER	50 LBS	15	0	- 15	0
CMC LOVIS	25 KG	31	198	+ 167	12,870.00
LF-5	25 KG	0	122	+ 122	6,344.00
CAUSTIC SODA	25 KG	54	139	+ 85	2,780.00
SODA ASH	50 KG	12	61	- 49	1,220.00
KCl BRINE	BBL	0	160	+ 160	3,299.20
KCl SACKS	50 KG	0	900	+ 900	17,730.00
ANCO RESIN	25 KG	73	0	- 73	0
LIGNO	25 KG	184	0	- 184	0
DRILLING DETERGENT	200 L	10	0	- 10	0
BENTONITE	50 KG	0	22	+ 22	396.00
ANCO POL	50 LBS	0	13	+ 13	1,820.00

COST/DAY US\$ 3,049.70 TOTAL COST FOR INTERVAL US\$ 79,292.20
 COST/Mt. ~~XXX~~ \$ 76.98 PROG. COST FOR INTERVAL US\$ 31,773.25
 ENGR. COST COST VARIANCE FOR INTERVAL \$ +47,518.95

OPERATOR

A/S NORSKE SHELL

WELL NO.

30/11-3

MATERIAL CONSUMPTION & COST ANALYSIS

8 1/2" HOLE DRILLED TO 4662 Meters ~~Per~~ CASING SET AT Meters Feet

ACTUAL AMOUNT OF HOLE DRILLED 1609 Meters ~~Per~~ DAYS ON INTERVAL 70

DRILLING FLUID SYSTEM DRISPAC/LIGNO - GEL/RESINEX

MATERIAL	UNIT SIZE	PROG.	USED	VARIANCE ±	US\$ COST
BARITE	M/T	603	548	- 55	75,076.00
BENTONITE	M/T	14	26	+ 12	9,880.00
BENTONITE (SXS)	50 KG	0	73	+ 73	1,314.00
CAUSTIC	25 KG	111	403	+ 292	8,060.00
SODA ASH	50 KG	3	22	+ 19	440.00
SPERCELL C (LIGNO)	25 KG	71	451	+ 380	8,118.00
CHROME LIGNITE	25 KG	185	142	- 43	4,544.00
CMC LOVIS	25 KG	0	314	+ 314	20,410.00
DMS	200 L	23	4	- 19	2,508.00
LF-5	25 KG	0	0	0	0
DRISPAC REGULAR	50 LBS	0	46	+ 46	7,084.00
BICARBONATE	50 KG	0	1	+ 1	21.00
DEFOAMER (DR)	200 L	0	3	+ 3	2,100.00
DRISPAC SUPERLO	50 LBS	0	17	+ 17	2,805.00
DESCO	25 LBS	0	211	+ 211	8,018.00
DEFOAMER (CAN)	20 L	0	18	+ 18	1,260.00
ANCO-RESIN	25 KG	235	377	+ 142	36,286.25

COST/DAY US\$ 2,684.63 TOTAL COST FOR INTERVAL US\$ 187,924.25

COST/Mt. ~~of~~ US\$ 116.80 PROG. COST FOR INTERVAL US\$ 134,448.75

ENGR. COST COST VARIANCE FOR INTERVAL \$ + 53,475.50

OPERATOR A/S NORSKE SHELL

WELL NO. 30/11-3

TOTAL CONSUMPTION & COST ANALYSIS

TOTAL DEPTH Meters
~~Feet~~

TOTAL HOLE DRILLED Meters
~~Feet~~

TOTAL DAYS

MATERIAL	UNIT SIZE	PROG.	USED	VARIANCE ±	US\$ COST
BENTONITE	M/T	135	85	- 50	32,300.00
BENTONITE SXS	50 KG	0	95	+ 95	1,710.00
BARITE	M/T	753	823	+ 70	112,751.00
SODA ASH + BICARB.	50 KG	89	213	+ 124	4,261.00
CAUSTIC	25 KG	369	745	+ 385	14,900.00
LIME	40 KG	6	2	- 4	12.00
LF-5	25 KG	291	460	+ 169	23,920.00
DRISPAC REGULAR	50 LBS	128	310	+ 182	47,740.00
DRISPAC SUPERLO	50 LBS	0	17	+ 17	2,805.00
CMC LOVIS	25 KG	159	686	+ 527	44,590.00
SPERCELL C	25 KG	255	451	+ 196	8,118.00
CHROME LIGNITE	25 KG	185	142	- 43	4,544.00
ANCO-RESIN	25 KG	308	377	+ 69	36,286.25
DESCO	25 LBS	0	211	+ 211	8,018.00
DMS	200 L	23	4	- 19	2,508.00
ANCOPOL	50 LBS	176	87	- 89	12,876.00
DEFOAMER (CAN+DRUM+SXS)		0	22	+ 22	3,446.00
KCl BRINE	BBL		2500		46,729.60
KCl SACKS	50 KG	368	1179	+ 811	23,226.30
MICA FINE	25 KG	0	20	+ 20	386.00
WALNUT FINE	25 KG	0	12	+ 12	231.60

COST/DAY US\$

TOTAL COST FOR INTERVAL US\$

COST/Mt. ~~on F~~

PROG. COST FOR INTERVAL US\$

ENGR. COST

COST VARIANCE FOR INTERVAL

Drilling Fluid & Material Consumption Report

MUD SYSTEM DRISPAC/ LIGNO

WELL NAME 30/11-3 AREA NORTH SEA, NORWAY
 OPERATOR NORSKE SHELL RIG. BORGNY DOLPHIN
 ENGINEERS ATKINSON/BLANCHARD

Day No	DATE	ESTIMATED DAILY MUD VOLUMES			BULK MATERIALS			MATERIALS ADDED TO CONTROL PROPERTIES																												
		LOSSES SUB SURFACE	LOSSES SURFACE	VOLUME MUD BUILT	MT BARITE	MT BENTONITE	BENTONITE SXS	CAUSTIC	SODA ASH	SOD. BICARB.	LIME	DRISPAC REG.	DRISPAC SUPERL. XC	POLYMER	CMC	LOVIS LF-5	DESCO	AL. STEARATE	LIGNO	DEFOAMER	DMS	WALNUT CAS	MICA F	KCl	BRINE	KCl	SXS	ANCO	FREE PIPE	ANCO POL	DMS	LIGNITE	ANCO RESIN	CaCl ₂		
85	06.02	15	30					NONE			USED																									
86	07.02	35	38				8							16					5																	
87	08.02	115	60				8							16					8																	
88	09.02	30	20					NONE			USED																									
89	10.02	15	35			10	5												10																	
90	11.02	23	30					NONE			USED																									
91	12.02	35	50				15							20					10																	
92	13.02	45	10	2			4							14					2																	
93	14.02	15	35				19			15									5																35	
94	15.02	20	40	2			15																												15	
95	16.02	75	30				11			20																									4	22
96	17.02	15	60	2			10			20									60																15	
97	18.02	175	150				26			16									40		2														105	
98	19.02	190			3														25																	
FORWARD		4370	9797	16481	424	70	34		479	212	1	2	316	4				620	495	1	169	1	1	1220	2500	1179						91			65	
ESTIMATED TOTALS		4370	10600	17069	432	73	34	10	600	212	1	73	316	4				686	495	100	1234	3	1220	2500	1179						91	4	72	120	65	

REMARKS

Drilling Fluid & Material Consumption Report

 MUD SYSTEM GEL - RESINEX

 WELL NAME 30/11-3 AREA NORTH SEA, NORWAY
 OPERATOR NORSKE SHELL RIG BORGVY DOLPHIN
 ENGINEERS ATKINSON/BLANCHARD

Day No	DATE	ESTIMATED DAILY MUD VOLUMES			BULK MATERIALS			MATERIALS ADDED TO CONTROL PROPERTIES																													
		LOSSES SUB SURFACE	LOSSES SURFACE	VOLUME MUD BUILT	MT BARITE	MT BENTONITE	BENTONITE SXS	CAUSTIC	SODA ASH	SOD. BICARB.	LIME	DRISPAC REG.	DRISPAC SUPERLO.	XC	POLYMER	CMC	LOVIS	LF-5	DESCO	AL. STEARATE	LIGNO.	DEFORMER	DEFORMER	WALNUT	MICA F	KCI	BRINE	KCI	SXS	ANCO	FREE PIPE	ANCO POL	DMS	LIGNITE	ANCO RESIN	CaCl ₂	
99	20.02		164					8											11	25																	37
00	21.02			290	5			32			10								33		2													70	53		
01	22.02			161	7	60		12			4								15	26	5														40		
02	23.02		6					17			9								33	76	3														72		
03	24.02		100	254	118			11												22															3		
04	25.02			5	50	1		21			3								9	68	3													52			
05	26.02				45			9			2										2																
06	27.02		140		13			5																													
07	28.02			2	10			9																													
08	01.03		45		15			8			2		3						8																		
09	02.03		350	300	51			11				1	1																		9						
10	03.03		37																		3																
11	04.03	30	6	56	61			2					3						2												4						
12	05.03		27	100																																	
FORWARD		4370	10600	17069	432	73	34	10	600	212	1	73	316	4		686	495	100	1234		12	20	2500	1179		91	4	70	120	65							
ESTIMATED TOTALS		4400	11475	18237	795	85	95	17	745	212	1	101	317	4		686	495	211	14513		18	12	20	2500	1179	13	91	4	142	377	65						

REMARKS



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 30/11-3 AREA NORTH SEA
 OPERATOR A/S NORSKE SHELL RIG BORGNY DOLPHIN
 ENGINEERS C. BLANCHARD/ C. ATKINSON

Drilling Mud Properties Record

MUD SYSTEM KCl - POLYMER

Day No.	DATE	DEPTH FEET METERS	MUD PROPERTIES																				OPERATION REMARKS		
			DENSITY PPG SG	VISCOSITY				GELS	FLUID LOSS 30 Min cc's	CAKE 32 rds	H.T.H.P. cc's	pH	Filtrate Analysis			RETORT		BENTONITE #/BBL	POTASH #/BBL	POLYMER #/BBL	"N"	"K"			
				sec/qt	A.V. cps	P.V. cps	Y.P. #/100 sq.ft.						Ca ++ ppm	PI/MF	% OIL	% SOLIDS	% SAND								
15	28.11	723	1.15	50	31.5	21	21	2	3	4.3	1		11.5	62	80	2	3	10	.25	2	30		.59	1.1	
16	29.11	1122	1.16	50	32.5	21	23	2	3	4.0	1		11.0	55	80	1.1	1.7	12	1	2	30		.56	1.3	
17	30.11	874	1.16	50	37.5	25	25	3	4	4.5	1		11.5	55	80	2.0	2.6	13	1	4	31		.5	1.4	
18	01.12	1201	1.16	54	39.5	25	29	2	3	4.2	1		11.3	55	80	1.6	2.5	12	.75	5	30		.5	1.3	
19	02.12	1458	1.17	49	31	23	16	2	3	4.5	1		11.3	58	240	.7	1.4	12	.5	10	32		.4	.8	
20	03.12	1513	1.17	50	31	23	16	2	5	4.5	1		10	53	180	.5	1.0	12	.5	15	35				
21	04.12	1833	1.18	57	39	29	20	4	2	4.6	1		9.8	60	120	.2	.5	14	.5	22	35		.6	.7	
22	05.12	2023	1.17	53	35.5	27	17	4	12	4.7	1		10.2	58	120	.2	.5	14	.5	24	35				
23	06.12	2023	1.18	51	30.5	25	21	4	10	4.2	1		10.0	54	300	.4	.4	13	.5	24	35				
24	07.12	2023	1.19	49	30.5	25	21	3	6	4.2	1		10.0	54	200	.2	.5	13	.25	25	35				
25	08.12	2023	1.9	49	30.5	25	21	3	6	4.2	1		10	54	200	.2	.5	13	.25	25	35				
26	09.12	2023	1.18	46	28	21	14	2	4	4.5	1		9.0	50	300	1.3	.3	10	.25	25	33				
27	10.12	2023	1.18	48	29.5	22	15	2	5	4.5	1		9.0	50	280	.15	.325	10	.25	24	33				
28	11.12	2023	1.18	48	29.5	22	15	2	5	4.5	1		9.0	50	280	.15	.30	10	.25	24	33				

REMARKS

WELL NAME 30/11-3 AREA NORTH SEA
 OPERATOR A/S NORSKE SHELL RIG BORGNY DOLPHIN
 ENGINEERS C. BLANCHARD/ C. ATKINSON

Drilling Mud Properties Record
 MUD SYSTEM KCl - POLYMER (DRISPAC/ LIGNO)

Day No	DATE	DEPTH FEET <input type="checkbox"/> METERS <input checked="" type="checkbox"/>	MUD PROPERTIES																		OPERATION REMARKS				
			DENSITY PPG <input type="checkbox"/> SG <input checked="" type="checkbox"/>		VISCOSITY				GELS 0	FLUID LOSS 30 Min cc's	CAKE 32 nds	H.T.H.P. cc's	pH	Filtrate Analysis			RETORT			BENTONITE #/BBL		POTASH #/BBL	POLYMER #/BBL	"N"	"K"
					sec/qt	A.V. cps	P.V. cps	Y.P. #/100 sq.ft.						10	CI ppm	Ca. ++ ppm	PI /ME	% OIL	% SOLIDS						
43	26.12	2826	1.26	52	34.5	25	19	3	9	4.5	1	10.7	52	100	.6	.12	12	.25	17	35	.6	.8			
44	27.12	2899	1.25	52	37	26	22	3	9	4.6	1	10.6	60	80	.4	.8	12	.25	17	38	.6	.85			
45	28.12	2996	1.26	51	32.5	24	17	3	9	4.8	1	10.8	59	80	.6	1.2	12	.25	17.5	35	.6	.7			
46	29.12	3035	1.26	53	37	27	20	3	7	4.7	1	10.8	60	40	.6	1.2	13	.25	17	35	.6	1.2			
47	30.12	3053	1.26	55	39.5	29	21	3	7	4.7	1	10.8	59	80	.5	1.0	13	.25	17.5	36					
48	31.12	3053	1.26	57	40	29	22	3	9	4.8	1	10.8	60	80	1.5	1.0	13	.25	17.5	36					
49	01.01	3053	1.26	55	40	29	22	4	9	4.9	1	10.7	60	80	.4	1.0	13	.25	17.5	35					
50	02.01	3053	1.26	59	47	33	28	4	10	4.7	1	10.6	59	80	.4	1.0	13	TR	17	35					
51	03.01	3053	1.40	55	50	35	30	4	10	4.0	1	10.8	39	300	.6	1.2	17	TR	12	23					
52	04.01	3053	1.40	54	50	35	30	4	10	4.0	1	10.8	39	300	.6	1.2	16	TR	12	23					
53	05.01	3039	1.40	53	42.5	30	25	4	9	4.0	1	10.8	50	200	.7	1.4	15	TR	12	25					
64	06.01	3039	1.40	52	42.5	30	25	4	9	4.0	1	10.8	50	200	.7	1.4	15	TR	12	25					
55	07.01	3039	1.40	52	42.5	30	25	4	9	4.0	1	10.8	50	200	.7	1.4	15	TR	12	25					
56	08.01	3066	1.40	48	37	27	20	2	3	4.0	1	10.8	51	200	.6	1.35	15	TR	9	23					

REMARKS

WELL NAME 30/11-3 AREA NORTH SEA
 OPERATOR A/S NORSKE SHELL RIG BORGNY DOLPHIN
 ENGINEERS C. ATKINSON
Drilling Mud Properties Record

 MUD SYSTEM DRISPAC/ LIGNO/ DRISPAC/ DISPERSED

Day No	DATE	DEPTH FEET <input type="checkbox"/> METERS <input checked="" type="checkbox"/>	MUD PROPERTIES																				OPERATION REMARKS
			DENSITY PPG <input type="checkbox"/> SG <input checked="" type="checkbox"/>	VISCOSITY				GELS 0	FLUID LOSS 30 Min cc's	CAKE 32 rds	H.T.H.P. cc's	pH	Filtrate Analysis			RETORT		BENTONITE #/BBL	POTASH #/BBL	POLYMER #/BBL	"N"	"K"	
				sec/qt	A.V. cps	P.V. cps	Y.P. #/100 sq.ft.						Cl ⁻ ppm	Ca ++ ppm	PI/ME	% OIL	% SOLIDS						
1983																							
85	06.03	4003	1.30	56	30	23	14	2/5	3.8	1	10.4	29	70	2.75 2.30	13	.25	13.5			.73	.55		
86	07.03	4062	1.31	56	32.5	25	15	2/7	3.6	1	10.5	29	60	2.85 2.50	13	TR	13.5			.70	.52		
87	08.03	4110	1.30	56	33.5	26	15	2/7	3.8	1	10.5	29	60	2.90 2.70	13	TR	15			.74	.58		
88	09.03	4110	1.30	56	33.5	26	15	2/7	3.8	1	10.5	29	60	2.90 2.70	13	TR	15			.74	.58		
89	10.03	4124	1.30	65	35	27	16	2/10	3.5	1	10.5	29	60	2.80 2.30	13	TR	15.5			.73	.64		
90	11.03	4141	1.30	59	34	26	16	2/9	3.7	1	10.0	29	80	2.50 1.90	13	TR	15			.72	.65		
91	12.02	4212	1.30	60	36.5	28	17	3/12	3.7	1	10.3	28	50	3.95 3.30	13	TR	15			.74	.63		
92	13.03	4231	1.30	62	37.5	29	17	2/10	3.7	1	10.4	28	40	1.10 3.40	13	TR	15			.73	.68		
93	14.03	4294	1.30	62	52	38	28	4/24	4.7	1	9.8	28	30	0.85 3.40	14	TR	15			.69	1.21		
94	15.03	4343	1.30	75	47	31	32	4/24	5.1	1	10.3	27	TR	1.75 4.80	14.5	TR	12.5			.63	1.60		
95	16.03	4365	1.30	82	45	28	34	7/67	5.6	1	10.7	27	TR	2.25 5.40	14.5	TR	15			.59	1.86		
96	17.03	4427	1.30	74	39	25	28	5/36	6.0	1	10.7	27	TR	2.20 5.50	15	.25	14			.60	1.52		
97	18.03	4475	1.30	62	29	20	18	6/89	6.5	1	1.6	11.0	27	1.7 3.7	14	TR	15			.60	0.89		
98	19.03	4475	1.30	60	29	20	18	8/38	6.8	1	1.6	11.0	27	1.7 3.7	14	TR	15			.60	0.89		

 REMARKS



ANCHOR DRILLING FLUIDS AS

OSLO - STAVANGER

WELL NAME 30/11-3

AREA NORTH SEA

OPERATOR A/S NORSKE SHELL

RIG. BORGNY DOLPHIN

Drilling Mud Properties Record

MUD SYSTEM GEL/ RESINEX

ENGINEERS C. ATKINSON

Day No.	DATE	DEPTH FEET <input type="checkbox"/> METERS <input checked="" type="checkbox"/>	MUD PROPERTIES																				OPERATION REMARKS	
			DENSITY PRG <input type="checkbox"/> SG <input checked="" type="checkbox"/>	VISCOSITY				GELS 0	FLUID LOSS 30 Min cc's	CAKE 32 hrs	H.T.H.P. cc's	pH	Filtrate Analysis			RETORT		BENTONITE #/BBL	POTASH #/BBL	POLYMER #/BBL	"N"	"K"		
				sec/qt	A.V. cps	P.V. cps	Y.P. #/100 sq.ft.						10	CI ppm	Ca. ++ ppm	PI /MF	% OIL							% SOLIDS
11306.03	1983	3542	1.61	49	29	22	14	4/20	6.2	1	18	10.8	23	20	1.8 3.8	TR	23	TR	16			.75	.43	
11407.03		3389	1.61	52	29.5	23	13	4/19	6.0	1	18	11.4	22.5	TR	1.4 3.5	2.5	24	TR	16			.78	.37	
11508.03		3342	1.60	49	28	22	12	4/18	6.0	1	18	11.3	22	TR	1.3 3.4	3	24	TR	16			.79	.32	
11609.03		3342	1.60	49	28	22	12	4/18	6.0	1	18	11.3	22	TR	1.3 3.4	3	24	TR	16			.79	.32	
11710.03		2895	1.60	48	28	22	12	4/16	6.0	1		11.3	22	TR	1.3 3.4	3	24	TR	15			.79	.32	
11811.03		2880	1.60	51	28	22	12	4/17	6.0	1		11.3	22	20	1.3 3.4	3	24	TR	15			.79	.32	
11912.03		1180	1.53	58	27	20	14	4/20	6.0	1		11.0	22	40	1.6 3.8	3	22	TR	14			.7	.3	
12013.03		194	1.50	60																				

REMARKS