

#### **4.5 Fluid sampling**

MDT fluid samples were taken at 3842.6 m. All samples were highly contaminated with water based mud. Compositional analyses on water and single flash gas are performed and reported by Oilphase (Report no.: SAG374, "Water samples, 6704/12-1").

The MDT fluid samples were taken using the Pump-Out module in combination with the Optical Fluid Analyser to limit contamination of mud filtrate.

Table 4-6 and Table 4-7 summarises all fluid samples acquired in well 6704/12-1.

MDT Chamber	Volume	Vol pump litres	Sampling Technique	Dead vol. cc NC/NO	Dead vol. cont	Shut in Temp °C	Shut in Pressure bar
MPSR-AA-147	450 cc	104	Low shock	11.1/7.4	Air	120.7	*395+250
MRSC-BB47	1 gal	105	Low shock	29.45	Water	120.6	*395+250
MPSR-AA-929	450 cc	210	Low shock	10.3/6.6	Air	121.6	*395+230
MRSC-GA-131	1 gal	212	Low shock	29.45	Water	121.5	*395+60
MPSR-AA-753	450 cc	221	Low shock	7.2/3.5	Water	121.5	*395+220
MRSC-GA-189	1 gal	227	Throttling	29.45	Air	123.1	394.83
MPSR-AA-648	450 cc	245	Low shock	10.2/6.5	Water	121.95	*395+210
MPSR-AA-783	450 cc	246	Low shock	12.5/8.8	Water	121.9	*395+210

*\*formation pressure 395 bar*

**Table 4-6:** Samples acquired during Run 2B MDT (3842.5 m MD RKB, 3809.2 m TVD MSL)

MDT chamber	Volume	Vol pump litres	Sampling technique	Dead volume cc.	Dead vol cont.	Shut in Temp °C	Shut in Pressure bar
MPSC-GA-170	1 gal	500	Low shock	29.45cc	Air	128.1	*395+280
MRSC-GA-162	1 gal	650	Low shock	29.45cc	Air	128.7	*395+280
MPSC-JA-143	2 ¾ gal	665	Throttling	29.45cc	Air	128.7	394.99

*\*formation pressure 395 bar*

**Table 4-7:** Samples acquired during Run 2C MDT (3842.6 m MD RKB, 3809.3 m TVD MSL)

## 5.4 Mud data

### 5.4.1 Daily mud properties

Date	Hole size	Hole depth	Mud weight	PV	YP	Gel strength	pH	Alkalinity Pf /Mf	Ca++ mg/l	Cl- mg/l	Sand %	Solids %	Mudtype
990604	12 1/4"	1705.0	1.08			/		/					SPUD MUD
990605	12 1/4"	1705.0	1.08			/		/					SPUD MUD
990606	36"	1476.0	1.08			/		/					SPUD MUD
990607	26"	1476.0	1.08			/		/					SPUD MUD
990608	26"	1917.0	1.06			/		/					SPUD MUD
990609	26"	2167.0	1.03			/		/					SPUD MUD
990610	17"	2167.0	1.03			/		/					SPUD MUD
990611	17"	2167.0	1.03			/		/					SPUD MUD
990612	17"	2167.0	1.03			/		/					SPUD MUD
990613	17"	2167.0	1.03			/		/					SPUD MUD
990614	17"	2167.0	1.03			/		/					SPUD MUD
990615	17"	2167.0	1.03			/		/					SPUD MUD
990616	17"	2167.0	1.03			/		/					SPUD MUD
990617	17"	2384.0	1.11	27.0	11.0	3/4	10.6	/ .2	1060	500000	.1	4.0	KCl MUD
990618	17"	2384.0	1.13	26.0	11.0	3/3	9.5	/ .1	980	35	.1	6.2	KCl MUD
990619	17"	2384.0	1.13	26.0	12.0	3/4	9.5	/ .1	980	36000	.1	6.3	KCl MUD
990620	17"	2384.0	1.13	27.0	10.0	3/4	9.5	/ .1		35000	.1	6.3	KCl MUD
990621	12 1/4"	2392.0	1.17			/	9.7	/		137000			NACL SATURATED
990622	12 1/4"	2542.0	1.17	24.0	16.0	3/4	9.2	/ .1	240	133000	.5	7.3	NACL SATURATED
990623	12 1/4"	2380.0	1.18	24.0	17.0	3/4	8.8	/ .1	240	128000	.5	7.5	NACL SATURATED
990624	12 1/4"	2697.0	1.19	25.0	19.0	3/4	8.8	/ .1	220	134000	.8	7.5	NACL SATURATED
990625	12 1/4"	2855.0	1.22	27.0	22.0	4/5	8.7	/ .1	240	136	1.3	10.0	NACL SATURATED
990626	12 1/4"	2855.0	1.22	27.0	22.0	4/5	8.7	/ .1	240	136	1.3	10.0	NACL SATURATED
990627	12 1/4"	2855.0	1.22	27.0	20.0	4/5	8.7	/ .1	240	133	1.0	10.0	NACL SATURATED
990628	12 1/4"	2855.0	1.22	27.0	20.0	4/5	8.7	/ .1	240	133	1.0	10.0	NACL SATURATED
990629	8 1/2"	2997.0	1.22	27.0	22.0	5/8	10.2	.2/.4	320	134	1.0	10.0	NACL SATURATED
990630	8 1/2"	3006.5	1.23	28.0	22.0	5/11	10.3	.1/.3	360	135	1.0	10.0	NACL SATURATED

Table 5-4: Daily mud properties page 1

Date	Hole size	Hole depth	Mud weight	PV	YP	Gel strength	pH	Alkalinity Pf /Mf	Ca++ mg/l	Cl- mg/l	Sand %	Solids %	Mudtype
990701	8 1/2"	3237.0	1.23	26.0	21.0	5/14	10.7	.2/.3	320	132	1.0	10.0	NACL SATURATED
990702	8 1/2"	3499.0	1.23	23.0	18.0	4/6	9.8	.0/.8	160	131	1.0	10.5	NACL SATURATED
990703	8 1/2"	3535.0	1.23	22.0	18.0	3/5	9.8	.2/.8	200	137	.7	10.0	NACL SATURATED
990704	8 1/2"	3553.0	1.24	25.0	18.0	4/7	9.9	.2/.8	240	137	.8	10.0	NACL SATURATED
990705	8 1/2"	3954.0	1.25	24.0	17.0	3/6	8.9	.1/.6	280	137	.5	9.5	NACL SATURATED
990706	8 1/2"	3956.0	1.25	24.0	14.0	2/5	8.7	.1/.6	280	136	.5	9.5	NACL SATURATED
990707	8 1/2"	4063.0	1.25	24.0	15.0	3/6	8.7	.1/.5	280	135	.5	9.5	NACL SATURATED
990708	8 1/2"	4090.0	1.25	23.0	16.0	3/5	8.3	.1/.4	400	141000	.5	9.5	NACL SATURATED
990709	8 1/2"	4097.0	1.24	22.0	17.0	3/5	9.6	.1/.7	480	149000	.5	10.0	NACL SATURATED
990710	8 1/2"	4097.0	1.24	22.0	17.0	3/5	9.6	.1/.7	480	149000	.5	10.0	NACL SATURATED
990711	8 1/2"	4097.0	1.22	18.0	15.0	2/4	9.0	.1/.5	400	145000	.5	9.0	NACL SATURATED
990712	8 1/2"	4097.0	1.21	17.0	13.0	2/3	9.0	.1/.5	400	146000	.5	8.0	NACL SATURATED
990713	8 1/2"	4097.0	1.21	15.0	12.0	2/3	9.4	.1/.2	400	146000	.5	9.0	NACL SATURATED
990714	8 1/2"	4097.0	1.22	16.0	13.0	2/3	9.4	.1/.3	400	148000	.1	10.0	NACL SATURATED
990715	8 1/2"	4097.0	1.24	20.0	17.0	3/4	8.4	.1/.2	400	147000	.3	11.0	NACL SATURATED
990716	8 1/2"	4097.0	1.24	20.0	17.0	3/4	8.4	.1/.2	400	147000	.3	11.0	NACL SATURATED
990717	8 1/2"	4103.0	1.25	27.0	21.0	4/5	9.3	.1/.4	400	149000	.3	10.5	NACL SATURATED
990718	8 1/2"	4103.0	1.23	19.0	16.0	3/4	9.1	.1/.4	400	149000	.3	10.5	NACL SATURATED
990719	P&A		1.13			/		/		85000			NACL SATURATED
990720	P&A		1.03			/		/					P&A FLUID
990721	P&A		1.03			/		/					P&A FLUID
990915			1.03			/		/					P&A FLUID
990916			1.03			/		/					P&A FLUID
990917			1.03			/		/					P&A FLUID

Table 5-4: Daily mud properties, page 2

## 5.4.2 Mud materials used


MATERIAL USAGE & COST COMPARISON							
		MUD SYSTEM: SW/Bentonite					
		WELL NO: 6704/12-1 SECTION				36	
ESTIMATED				ACTUAL			
PRODUCT	UNITS	UNIT PRICE	TOTAL	PRODUCT	UNITS	UNIT PRICE	TOTAL
BARITE	86	908,00	78 088,00	BARITE		908,00	
BENTONITE	67	2 450,00	164 150,00	BENTONITE	83	2 450,00	203 350,00
LIME	535	2,38	1 273,30	LIME	440	2,38	1 047,20
SODA ASH	535	3,02	1 615,70	SODA ASH	950	3,02	2 869,00
AQUAPAC REG	2292	25,00	57 300,00	AQUAPAC REG		25,00	
SAGA BENTONITE				SAGA BENTONITE	39		
SAGA BARITE				SAGA BARITE	77		
LENGTHS (M) & VOLUMES (M3) COMPARISON							
PROGRAMED				ACTUAL			
DRILLED FROM mMD			1376				1379
DRILLED TO mMD			1470				1476
SECTION LENGTH m			94				97
CASING SIZE			36" & 30"				36" & 30"
FROM mMD			1376				1376
TO mMD			1470				1476
CASING LENGTH m			94				100
OLD MUD VOLUME RECEIVED m3							
OLD MUD VOLUME ADDED TO ACTIVE m3							
NEW MUD VOLUME RECEIVED m3							
NEW MUD VOLUME BUILT m3			760				1181
NEW MUD VOLUME ADDED TO ACTIVE m3			760				870
TOTAL MUD VOLUME USED m3			760				870
OLD VOLUME BACKLOADED & COST/m3							
NEW VOLUME BACKLOADED & COST/m3							311,00
DILUTION RATE NEW VOLUME m3/m3			12,31				13,65
CUTTINGS VOLUME m3			61,75				63,72
DAYS ON INTERVAL			3,5				3
METERS/DAY			26,86				32,33
COST COMPARISON							
				DIFFERENCES			
				PROGRAMMED -ACTUAL			
				* Total		%	
GROSS SECTION COST			302 427,00			95 161	31,47 %
COST OF MUD TRANSFERED							
NET SECTION COST			302 427,00			95 161	31,47 %
NET COST/M			3 217,31			1 061	33,59 %
GROSS COST/M3			397,93			222	55,90 %
COST/DAY			86 407,71			17 319	20,04 %
<b>Comments:</b> Cost adjustment ( to include the Barite & Bentonite already on the platform at the start of the project ) 'Saga Barite' 77mt @ 908 Nok/mt 69916,00 Nok 'Saga Bentonite' 39mt @ 2450 Nok/mt 95550,00 Nok <u>Total 'adjusted' section cost 372732,20 Nok (This includes 12 1/4" pilot hole)</u>							

Table 5-5: Mud materials used, page 1


MATERIAL USAGE & COST COMPARISON							
		MUD SYSTEM: SW/Bentonite					
		WELL NO: 6704/12-1 SECTION: 26					
ESTIMATED				ACTUAL			
PRODUCT	UNITS	UNIT PRICE	TOTAL	PRODUCT	UNITS	UNIT PRICE	TOTAL
BARITE	70	908,00	63 560,00	BARITE		908,00	
BENTONITE	101	2 450,00	247 450,00	BENTONITE	23	2 450,00	56 350,00
LIME	713	2,38	1 696,94	LIME	120	2,38	285,60
SODA ASH	713	3,02	2 153,26	SODA ASH	300	3,02	906,00
AQUAPAC REG	1166	25,70	29 966,20	AQUAPAC REG	1905,12	25,70	48 961,58
SAGA BARITE				SAGA BARITE	73		
LENGTHS (M) & VOLUMES (M3) COMPARISON							
PROGRAMMED				ACTUAL			
DRILLED FROM mMD:			1470				1476
DRILLED TO mMD:			2100				2167
SECTION LENGTH m:			630				691
CASING SIZE:			20				20
FROM mMD:			1376				1376
TO mMD:			2090				2166
CASING LENGTH m:			714				790
OLD MUD VOLUME RECEIVED m3:							
OLD MUD VOLUME ADDED TO ACTIVE m3:							
NEW MUD VOLUME RECEIVED m3:							311
NEW MUD VOLUME BUILT m3:			635				470
NEW MUD VOLUME ADDED TO ACTIVE m3:			635				781
TOTAL MUD VOLUME USED m3:			635				781
OLD VOLUME BACKLOADED & COST/m3:							
NEW VOLUME BACKLOADED & COST/m3:							
DILUTION RATE NEW VOLUME m3/m3:			2,94				3,30
CUTTINGS VOLUME m3:			215,85				236,75
DAYS ON INTERVAL:			3				4
METERS/DAY:			210,00				172,75
COST COMPARISON							
				DIFFERENCES			
				PROGRAMMED -ACTUAL			
				* Total		%	
GROSS SECTION COST:			344 826,40				106 503,18
COST OF MUD TRANSFERRED:							
NET SECTION COST:			344 826,40				106 503,18
NET COST/M			547,34				154,13
GROSS COST/M3:			543,03				226,60
COST/DAY:			114 942,13				26 625,80
				238 323		69,11 %	
				238 323		69,11 %	
				393		71,84 %	
				316		58,27 %	
				88 316		76,84 %	
<b>Comments:</b>							
Cost adjustment (to include the Barite already on the platform at the start of the project (see 42" & 36" section also)) :							
'Saga Barite' : 73 mt @ 908 Nok/mt : 66284,00 Nok.							
Total 'adjusted' section cost : 172787,18 Nok.							
Received 311m³ prehydrated bentonite & 1,40sg Kill mud (no cost transferred) from 42" & 36" section.							
All mud dumped at end of section.							
Programmed total cost for riserless drilling (Tophole sections) : 662502,96 Nok.							
Total 'adjusted' cost for riserless drilling (Tophole sections) : 545519,38 Nok.							

Table 5-5: Mud materials used, page 2


MATERIAL USAGE & COST COMPARISON							
		MUD SYSTEM: Aquadrill					
		WELL NO: 6704/12-1		SECTION: 17 "			
ESTIMATED				ACTUAL			
PRODUCT	UNITS	UNIT PRICE	TOTAL	PRODUCT	UNITS	UNIT PRICE	TOTAL
BARITE	37	908,00	33 596,00	BARITE	63	908,00	57 204,00
AQUAPAC REG		25,70		AQUAPAC REG		25,70	
XANTHAN GUM	2976	64,80	192 844,80	XANTHAN GUM	975	64,80	63 180,00
SODA ASH	558	3,02	1 685,16	SODA ASH	450	3,02	1 359,00
LIME	372	2,38	885,36	LIME	20	2,38	47,60
AQUACOL D	26040	10,26	267 170,40	AQUACOL D	28336	10,26	290 727,36
KCL Brine @ 250kg/n	298	495,00	147 510,00	KCL Brine @ 250kg/m3	361,25	495,00	178 818,75
KCl (BB)	10	1 495,00	14 950,00	KCl (BB)		1 495,00	
ANTISOL FL-30	8928	25,70	229 449,60	ANTISOL FL-30	11250	25,70	289 125,00
BENTONITE		2 450,00		BENTONITE	9,1	2 450,00	22 295,00
CITRIC ACID		11,80		CITRIC ACID	375	11,80	4 425,00
				NUT PLUG M/F	400	3,96	1 584,00
				VENFYBER	398,2	22,99	9 154,62
				MICA W/F	800	3,96	3 168,00
MIXING CHARGE		200,00		MIXING CHARGE	440	200,00	88 000,00
LENGTHS (M) & VOLUMES (M3) COMPARISON							
PROGRAMED				ACTUAL			
DRILLED FROM mMD			2100				2167
DRILLED TO mMD			2380				2384
SECTION LENGTH m			280				217
CASING SIZE			13 3/8				13 3/8
FROM mMD			1376				1376
TO mMD-			2375				2379
CASING LENGTH m			999				1003
OLD MUD VOLUME RECIEVED m3							
OLD MUD VOLUME ADDED TO ACTIVE m3							
NEW MUD VOLUME RECIEVED m3			744				440
NEW MUD VOLUME BUILT m3			205				332
NEW MUD VOLUME ADDED TO ACTIVE m3			205				184
TOTAL MUD VOLUME USED m3			205				772
OLD VOLUME BACKLOADED & COST/m3							588,00
NEW VOLUME BACKLOADED & COST/m3							5,79
DILUTION RATE NEW VOLUME m3/m3			5,00				31,79
CUTTINGS VOLUME m3			41,01				7
DAYS ON INTERVAL			4				31,00
METERS/DAY			70,00				
COST COMPARISON							
				DIFFERENCES			
				PROGRAMMED -ACTUAL			
				Total	%		
GROSS SECTION COST			888 091,32	1 009 088,33	(120 997)	-13,62 %	
COST OF MUD TRANSFERED							
NET SECTION COST			884 966,52	1 009 088,33	(124 122)	-14,03 %	
NET COST/M			3 160 59	4 650,18	(1 490)	-47,13 %	
GROSS COST/M3			4 332,15	3 039,42	1 293	29 84 %	
COST/DAY			222 022 83	144 155,48	77 867	35,07 %	
Comments:							
Cost of building extra bentonite pills to drill cement (not programmed) 16123,60 NOK.							
Cost of building LCM pills (not programmed) 13906,62 NOK							
Cost of extra barite required to raise mud weight (1,10sg to 1,13sg) 29056,00 NOK							
Total non-programmed extra cost due to operational reasons 59086,22 NOK.							

Table 5-5: Mud materials used, page 3




MATERIAL USAGE & COST COMPARISON							
		MUD SYSTEM: Aqua' Deepwater					
		WELL NO: 6704/12-1		SECTION: 12,25			
ESTIMATED				ACTUAL			
PRODUCT	UNITS	UNIT PRICE	TOTAL	PRODUCT	UNITS	UNIT PRICE	TOTAL
BARITE	64	908,00	58 112,00	BARITE	37	908,00	33 596,00
BIO-PAQ	7668	21,60	165 628,80	BIO-PAQ	9653,92	21,60	208 524,67
XANTHAN GUM	2556	64,80	165 628,80	XANTHAN GUM	1075	64,80	69 660,00
SODA ASH	479	3,02	1 446,58	SODA ASH	675,66	3,02	2 040,49
LIME	320	2,38	761,60	LIME			2,35
DFE 1501(MEG)kg	58090,91	11,88	690 120,01	DFE 1501(MEG)kg	77115,79	11,88	916 135,59
AQUACOL D kg	18942,69	10,26	194 352,00	AQUACOL D kg	26857,95	10,26	275 562,57
KCl Brine @ 250kg/m	130	495,00	64 350,00	KCl Brine @ 250kg/m3	190,945	495,00	94 517,78
KCL (BB)	10	1 495,00	14 950,00	KCL (BB)	4	1 495,00	5 980,00
NaCl Brine @ 310kg/t	348	464,40	161 611,20	NaCl Brine @ 310kg/m3	353,898	464,40	164 350,23
NaCl (BB)	10	1 242,00	12 420,00	NaCl (BB)	10	1 242,00	12 420,00
CITRIC ACID		11,80		CITRIC ACID	450	11,80	5 310,00
AQUAPAC REG		25,70		AQUAPAC REG	413	25,70	10 614,10
AQUAPAC LV		25,70		AQUAPAC LV		25,70	
Mixing charge		200,00		Mixing charge	643	200,00	128 600,00
<b>LENGTHS (M) &amp; VOLUMES (M3) COMPARISON</b>							
	PROGRAMED			ACTUAL			
DRILLED FROM mMD:	2380			2384			
DRILLED TO mMD:	2800			2855			
SECTION LENGTH m:	420			471			
LINER SIZE:	9 5/8			9 5/8			
FROM mMD:	1376			2258			
TO mMD:	2795			2854			
CASING LENGTH m:	1419			596			
OLD MUD VOLUME RECIEVED m3:							
OLD MUD VOLUME ADDED TO ACTIVE m3:							
NEW MUD VOLUME RECIEVED m3:	648			643			
NEW MUD VOLUME BUILT m3:	648			68			
NEW MUD VOLUME ADDED TO ACTIVE m3:	648			711			
TOTAL MUD VOLUME USED m3:	648			711			
OLD VOLUME BACKLOADED & COST/m3:	11,80						
NEW VOLUME BACKLOADED & COST/m3:							
DILUTION RATE NEW VOLUME m3/m3:	20,29			19,85			
CUTTINGS VOLUME m3:	31,94			35,82			
DAYS ON INTERVAL:	8,5			8			
METERS/DAY:	49,41			58,88			
<b>COST COMPARISON</b>							
						DIFFERENCES	
						PROGRAMMED -ACTUAL	
						* Total	%
GROSS SECTION COST:	1 529 380,99			1 927 311,42		(397 930)	-26,02 %
COST OF MUD TRANSFERED:							
NET SECTION COST:	1 529 412,81			1 927 311,42		(397 899)	-26,02 %
NET COST/M	3 641,46			4 091,96		(450)	-12,37 %
GROSS COST/M3:	2 360,16			28 342,82		(25 983)	-1100,89 %
COST/DAY:	179 927,18			240 913,93		(60 987)	-33,90 %
Comments:							

Table 5-5: Mud materials used, page 4


MATERIAL USAGE & COST COMPARISON							
		MUD SYSTEM: Aqua' Deepwater					
		WELL NO: 6704/12-1		SECTION		8,5	
ESTIMATED				ACTUAL			
PRODUCT	UNITS	UNIT PRICE	TOTAL	PRODUCT	UNITS	UNIT PRICE	TOTAL
BARITE	23	908,00	20 884,00	BARITE	22	908,00	19 976,00
BIO PAQ	2808	21,60	60 652,80	BIO-PAQ	5431,26	21,60	117 315,22
XANTHAN GUM	936	64,80	60 652,80	XANTHAN GUM	1475	64 80	95 580,00
SODA ASH	176	3,02	531,52	SODA ASH	464,47	3,02	1 402,70
LIME	117	2,38	278,46	LIME	220	2,38	523,60
DFE 1501	23400	11,88	277 992,00	DFE 1501	44347,37	11,88	526 846,76
AQUACOL D	7020	10,26	72 025,20	AQUACOL D	16058,84	10,26	164 763,70
KCl Brine @ 250kg/m	48	495,00	23 760,00	KCl Brine @ 250kg/m3	68,63	495,00	33 971,85
KCl (BB)	10	1 495,00	14 950,00	KCl (BB)	10	1 495,00	14 950,00
NaCl Brine @ 310kg/l	128	464,40	59 443,20	NaCl Brine @ 310kg/m3	205,9	464,40	95 619,96
NaCl (BB)	10	1 242,00	12 420,00	NaCl (BB)	28	1 242,00	34 776,00
DFE 1414	24,185	53 000,00	1 281 805,00	DFE 1414		53 000,00	
CITRIC ACID		11,80		CITRIC ACID	675	11,80	7 965,00
NUTPLUG MED		3,96		NUTPLUG MED	175	3,96	693 00
MICA Fine		3,96		MICA Fine	25	3,96	99,00
MIXING CHARGE		200,00				200,00	
SAGA BARITE				SAGA BARITE	23		
LENGTHS (M) & VOLUMES (M3) COMPARISON							
PROGRAMMED				ACTUAL			
DRILLED FROM mMD			2800				2855
DRILLED TO mMD			3877				4103
SECTION LENGTH m			1077				1248
CASING SIZE							
FROM mMD							
TO mMD							
CASING LENGTH m							
OLD MUD VOLUME RECEIVED m3			457				673
OLD MUD VOLUME ADDED TO ACTIVE m3			457				673
NEW MUD VOLUME RECEIVED m3			195				326
NEW MUD VOLUME BUILT m3			195				231
NEW MUD VOLUME ADDED TO ACTIVE m3			195				557
TOTAL MUD VOLUME USED m3			652				1230
OLD VOLUME BACKLOADED & COST/m3							
NEW VOLUME BACKLOADED & COST/m3							
DILUTION RATE NEW VOLUME m3/m3			4,94				12,19
CUTTINGS VOLUME m3			39,44				45,70
DAYS ON INTERVAL			14				12 To TD only
METERS/DAY			76,93				104,00
COST COMPARISON							
				DIFFERENCES			
				PROGRAMMED -ACTUAL			
				Total	%		
GROSS SECTION COST			1 885 394,98	1 114 482,78	770 912	40,89 %	
COST OF MUD TRANSFERRED							
NET SECTION COST			1 885 394 98	1 114 482,78	770 912	40 89 %	
NET COST/M			1 750,60	893,02	858	48 99 %	
GROSS COST/M3			2 891,71	1 232,83	1 659	57 37 %	
COST/DAY			134 671,07	92 873,56	41 798	31,04 %	
<b>Comments:</b> Although programmed PENETREX was not used during the drilling of this section. This was largely due to the much 'sandy/siltier' nature of the formations encountered than those expected (resulting in a faster average R o P). Costs excluding the PENETREX were therefore a little higher than expected. This was largely due to the dilution rates required attempting to maintain an active weight of 1,25sg or below with a premix weight of 1,17sg. Also 220m extra hole was drilled over that programmed - much of which was at very low R.o.P's. A small amount of 'Saga barite' has been accounted for when drilling this section - 23t - at an additional cost of 20884,00 NOK							

Table 5-5: Mud materials used, page 5



OVERVIEW OF DATA ANALYSIS RUN BY SAGA															
Saga's ID	Brønn	Prøvetype	Dyp	Test ID	Info	GC EOM	GC sat	GC aro	MS sat	MS aro	MS SIR	MS MRM	Iatroscan	TOC	Rock-Eval
145522	6704/12-1	Kjernebiter	3004		Core #2	sat_537,8			ana_513+FD1B CH		HR056_RAW	HR057_RAW			
145706	6704/12-1	Kjernebiter	3004 96		Core #2	SAT_549\009B0901 D									
145707	6704/12-1	Kjernebiter	3005 2		Core #2	SAT_549\010B1001 D									
145710	6704/12-1	Kjernebiter	4097 84		Core #3	SAT_549\011B1101 D									
145712	6704/12-1	Kjernebiter	4098 15		Core #3	SAT_550\001B0101 D									
145716	6704/12-1	Kjernebiter	4099		Core #3	SAT_550\002B0201 D									
145719	6704/12-1	Kjernebiter	4099 72		Core #3	SAT_550\003B0301 D									
145723	6704/12-1	Kjernebiter	4100 7		Core #3	SAT_550\004B0401 D									
145726	6704/12-1	Kjernebiter	4101 9		Core #3	SAT_550\005B0501 D									
145729	6704/12-1	Kjernebiter	4102 25		Core #3	SAT_550\006B0601 D									
145662	6704/12-1	Kjernebiter	4102 7		Core #3						HR066S2_RAW	HR067S2_RAW			
145731	6704/12-1	Kjernebiter	4102 85		Core #3	SAT_550\007B0701 D									
34	6704/12-1	Kjernebiter	4102 85		Core #3	SAT_535\005B0201 D+SAT_536\001B0101 D+SAT_536\001B									
145396	6704/12-1	Sideveggskjerner	2430								HR063_RAW+HR062_RAW				
145398	6704/12-1	Sideveggskjerner	2477 2								HR062S2_RAW				
145399	6704/12-1	Sideveggskjerner	2582								HR062S3_RAW				
145403	6704/12-1	Sideveggskjerner	2798								HR062S4_RAW				
145551	6704/12-1	Sideveggskjerner	3841 9			SAT_538\001B0101 D									
145550	6704/12-1	Sideveggskjerner	3844			sat_538,2									
145556	6704/12-1	Sideveggskjerner	4057			SAT_539					HR064S2_RAW	HR065S2_RAW			

Table 1 . Lithology description, Robertson lab

Well Name	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology Descriptions
6704/12-1	99018-1	2170.0	2170.0	Cuttings	Sltst, lt med gy + 20% Sltst, lt gy, calc + 10% Sh, v lt gy + 10% Sh, grn gy + tr Lst, wht + tr Sh, gy blk
6704/12-1	99018-2	2180.0	2180.0	Cuttings	Sh, lt med gy + 20% Sltst, lt gy, calc + 20% Sh, v lt gy + 10% Sh, grn gy + tr Sh, gy blk
6704/12-1	99018-3	2190.0	2190.0	Cuttings	Sh, grn gy + 20% Sh, lt med gy + 20% Sltst, lt gy + 10% Sh, v lt gy + tr Sh, gy blk + tr Sh, pa yel brn
6704/12-1	99018-4	2200.0	2200.0	Cuttings	Sh, grn gy + 20% Sh, lt med gy, calc + 20% Sltst, lt gy + 10% Sh, v lt gy + tr Sh, pa yel brn
6704/12-1	99018-5	2210.0	2210.0	Cuttings	Lst, v lt gy + 20% Sh, lt grn gy + 20% Sh, grn gy + 10% Sh, lt med gy + tr Sh, pa yel brn
6704/12-1	99018-6	2220.0	2220.0	Cuttings	Lst, v lt gy + 20% Sh, lt grn gy + 20% Sh, grn gy + tr Sh, lt med gy + tr Sh, pa yel brn
6704/12-1	99018-7	2230.0	2230.0	Cuttings	Lst, v lt gy + 20% Sh, lt grn gy + 20% Sh, grn gy + 10% Sh, lt med gy + tr Sh, pa yel brn
6704/12-1	99018-8	2240.0	2240.0	Cuttings	Lst, v lt gy + 20% Sh, lt grn gy + 20% Sh, grn gy + tr Sh, lt med gy + tr Sh, pa yel brn
6704/12-1	99018-9	2250.0	2250.0	Cuttings	Sh, lt grn gy + 20% Sh, grn gy + 20% Lst, v lt gy + tr Sh, lt med gy + tr Sh, pa yel brn
6704/12-1	99018-10	2260.0	2260.0	Cuttings	Sh, lt grn gy + 20% Sh, grn gy + 20% Sh, v lt gy + tr Sh, lt med gy + tr Sh, pa yel brn
6704/12-1	99018-11	2270.0	2270.0	Cuttings	Sh, lt grn gy + 20% Sh, grn gy + 20% Sh, v lt gy + tr Sh, lt med gy + tr Sh, pa yel brn
6704/12-1	99018-12	2280.0	2280.0	Cuttings	Sh, lt grn gy + 20% Sh, grn gy + 20% Sh, v lt gy + tr Sh, lt med gy + 10% Sh, pa yel brn
6704/12-1	99018-13	2290.0	2290.0	Cuttings	Sh, lt grn gy + 20% Sh, grn gy + 20% Sh, lt med gy + 10% Sh, pa yel brn + tr Sh, v lt gy
6704/12-1	99018-14	2300.0	2300.0	Cuttings	Sh, lt med gy + 20% Sh, grn gy + 20% Sh, v lt gy + tr Sh, pa yel brn + tr Lst, wht
6704/12-1	99018-15	2310.0	2310.0	Cuttings	Sh, lt med gy + 20% Sh, grn gy + 20% Sh, lt gy + 10% Sh, v lt gy + tr Sh, pa yel brn + tr Lst, wht
6704/12-1	99018-16	2320.0	2320.0	Cuttings	Sh, lt med gy + 20% Sh, grn gy + 20% Sh, lt gy + 10% Sh, v lt gy + tr Sh, pa yel brn + tr Lst, wht
6704/12-1	99018-17	2330.0	2330.0	Cuttings	Sh, med gy + 20% Sh, lt med gy + 10% Sh, grn gy + tr Sh, v lt gy + tr Sh, dk gy + tr Lst, wht
6704/12-1	99018-18	2340.0	2340.0	Cuttings	Sh, med gy + 20% Sh, lt med gy + 10% Sh, grn gy + tr Sh, v lt gy + tr Lst, wht
6704/12-1	99018-19	2350.0	2350.0	Cuttings	Sh, med gy + 20% Sh, lt med gy + 10% Sh, grn gy + 10% Sh, v lt gy + tr Lst, wht
6704/12-1	99018-20	2360.0	2360.0	Cuttings	Sh, lt brn gy + 20% Sh, lt med gy + 10% Sh, grn gy + 10% Sh, v lt gy + tr Lst, wht
6704/12-1	99018-21	2370.0	2370.0	Cuttings	Sh, lt brn gy + 20% Sh, lt med gy + 10% Sh, grn gy + tr Sh, v lt gy + tr Sh, pk gy
6704/12-1	99018-22	2380.0	2380.0	Cuttings	Sh, lt brn gy + 20% Sh, lt med gy + 10% Sh, grn gy + tr Sh, v lt gy + tr Sh, pk gy
6704/12-1	99018-23	2385.0	2385.0	Cuttings	Sst, v lt gy + 20% Mica + 20% LCM (nut plug)
6704/12-1	99018-24	2394.0	2394.0	Cuttings	Sst, v lt gy + 20% Mica + 20% LCM (nut plug) + Sh, dk gy + tr Sh, lt med gy
6704/12-1	99018-25	2403.0	2403.0	Cuttings	Sh, med gy + 20% Mica + 20% LCM (nut plug) + tr Sst, v lt gy + tr Sh, lt grn gy
6704/12-1	99018-26	2412.0	2412.0	Cuttings	Sh, med gy + 10% LCM (nut plug) + 10% Sst, v lt gy + 10% Sh, lt grn gy + tr Mica
6704/12-1	99018-27	2421.0	2421.0	Cuttings	Sh, med gy + 20% Sh, grn gy + 10% Sst, v lt gy + 10% Sh, lt grn gy + tr LCM (nut plug)
6704/12-1	99018-28	2430.0	2430.0	Cuttings	Sh, med dk gy + 20% Sh, med gy + 20% Sh, grn gy + tr Sh, lt grn gy + tr Sst, pa yel brn
6704/12-1	99018-29	2439.0	2439.0	Cuttings	Sh, med dk gy + 20% Sh, med gy + 20% Sh, grn gy + tr Sh, lt grn gy + tr Sst, pa yel brn
6704/12-1	99018-30	2448.0	2448.0	Cuttings	Sh, med dk gy + 20% Sh, med gy + 10% Sh, grn gy + tr Sh, lt grn gy + tr Sst, pa yel brn
6704/12-1	99018-31	2457.0	2457.0	Cuttings	Sh, med dk gy + 20% Sh, med gy + 10% Sh, grn gy + tr Sh, lt grn gy + tr Sst, pa yel brn + tr Sh, v lt gy
6704/12-1	99018-32	2466.0	2466.0	Cuttings	Sh, lt brn gy + 20% Sh, med gy + 10% Sh, grn gy + tr Sh, v lt grn gy + tr Sst, pa yel brn + tr Sh, v lt gy
6704/12-1	99018-33	2475.0	2475.0	Cuttings	Sh, lt med gy + 20% Sh, lt brn gy + 20% Sh, lt gy + 10% Sh, v lt gy + tr Lst, wht

Table 1. Lithology description, Robertson lab

Well Name	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology Descriptions
6704/12-1	99018-34	2484.0	2484.0	Cuttings	Sh, lt med gy + 20% Sh, lt brn gy + 20% Sh, lt gy + 10% Sh, v lt gy + tr Lst, wht
6704/12-1	99018-35	2493.0	2493.0	Cuttings	Sh, lt med gy + 20% Sh, med gy + 20% Sh, grn gy + 10% Sh, v lt gy + tr Lst, wht
6704/12-1	99018-36	2502.0	2502.0	Cuttings	Sh, lt med gy + 20% Sh, med gy + 10% Sh, grn gy + 10% Sh, v lt gy + tr Lst, wht
6704/12-1	99018-37	2511.0	2511.0	Cuttings	Sh, lt brn gy + 20% Sh, lt med gy + 20% Sst, pa yel brn + 10% Sh, grn gy + tr Sh, v lt gy + tr Lst, wht
6704/12-1	99018-38	2520.0	2520.0	Cuttings	Sh, lt brn gy + 20% Sh, lt med gy + 20% Sst, pa yel brn + 10% Sh, grn gy + tr Sh, v lt gy + tr Lst, wht
6704/12-1	99018-39	2529.0	2529.0	Cuttings	Sh, lt med gy + 20% Sh, lt brn gy + 20% Sst, pa yel brn + tr Sh, grn gy + tr Sh, v lt gy + tr Lst, wht
6704/12-1	99018-40	2538.0	2538.0	Cuttings	Sh, lt med gy + 20% Sh, lt brn gy + 20% Sh, med gy + 10% Sst, pa yel brn + tr Sh, v lt gy + tr Lst, wht
6704/12-1	99018-41	2547.0	2547.0	Cuttings	Sh, lt med gy + 20% Sh, lt brn gy + 20% Sh, med gy + tr Sst, pa yel brn + tr Sh, v lt gy + tr Lst, wht
6704/12-1	99018-42	2556.0	2556.0	Cuttings	Sh, lt med gy + 20% Sst, v lt gy + 10% Sh, lt grn gy + tr Sh, med dk gy + tr Lst, wht
6704/12-1	99018-43	2565.0	2565.0	Cuttings	Sh, med gy + 20% Sh, lt med gy + tr Sh, v lt gy + tr Mica
6704/12-1	99018-44	2574.0	2574.0	Cuttings	Sh, med gy + 20% Sh, lt med gy + 10% Sh, v lt gy + tr Sh, grn gy + tr Lst, wht
6704/12-1	99018-45	2583.0	2583.0	Cuttings	Sh, med gy + 20% Sh, lt med gy + tr Sh, v lt gy + tr Sh, med dk gy + tr Lst, wht + tr Mica
6704/12-1	99018-46	2592.0	2592.0	Cuttings	Sh, lt brn gy + 20% Sh, lt med gy + 20% Sst, pa yel brn + tr Sh, v lt gy + tr Lst, wht
6704/12-1	99018-47	2601.0	2601.0	Cuttings	Sh, lt brn gy + 20% Sh, lt med gy + 20% Sst, pa yel brn + tr Sh, v lt gy + tr Lst, wht
6704/12-1	99018-48	2610.0	2610.0	Cuttings	Sh, lt brn gy + 20 % Sh, lt med gy + 20 % Sst, pa yel brn + tr Sst, v lt gy + tr Sh, v lt gy + tr Lst, wht
6704/12-1	99018-49	2619.0	2619.0	Cuttings	Sh, lt brn gy + 30 % Sst, pa yel brn + 10 % Sh, lt med gy + tr Sst, v lt gy
6704/12-1	99018-50	2628.0	2628.0	Cuttings	Sh, lt brn gy + 30 % Sst, pa yel brn + 10 % Sh, lt med gy + tr Sst, v lt gy
6704/12-1	99018-51	2637.0	2637.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt brn gy + 10 % Sh, lt med gy + tr Sst, v lt gy
6704/12-1	99018-52	2646.0	2646.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt brn gy + 10 % Sh, lt med gy + tr Sst, v lt gy
6704/12-1	99018-53	2655.0	2655.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt brn gy + 10 % Sh, lt med gy + tr Sst, v lt gy
6704/12-1	99018-54	2664.0	2664.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt brn gy + 10 % Sh, lt med gy + tr Sst, v lt gy
6704/12-1	99018-55	2673.0	2673.0	Cuttings	Sh, lt brn gy + 20 % Sst, pa yel brn + 10 % Sh, lt med gy + tr Sst, v lt gy
6704/12-1	99018-56	2682.0	2682.0	Cuttings	Sh, lt brn gy + 20 % Sst, pa yel brn + 10 % Sh, lt med gy + tr Sst, v lt gy
6704/12-1	99018-57	2691.0	2691.0	Cuttings	Sh, lt brn gy + 20 % Sst, pa yel brn + 10 % Sh, lt med gy + tr Sst, v lt gy
6704/12-1	99018-58	2700.0	2700.0	Cuttings	Sh, lt brn gy + 20 % Sst, pa yel brn + 20 % Sh, med gy + tr Sst, v lt gy
6704/12-1	99018-59	2709.0	2709.0	Cuttings	Sh, lt brn gy + 20 % Sst, pa yel brn + 20 % Sh, med gy + tr Sst, v lt gy + tr Snd
6704/12-1	99018-60	2718.0	2718.0	Cuttings	Sh, lt brn gy + 20 % Sst, pa yel brn + 20 % Sh, med gy + tr Sst, v lt gy + tr Snd
6704/12-1	99018-61	2727.0	2727.0	Cuttings	Sh, lt brn gy + 20 % Sst, pa yel brn + 10 % Sh, med gy + tr Snd + tr Lst, wht
6704/12-1	99018-62	2736.0	2736.0	Cuttings	Sh, lt brn gy + 20 % Sst, pa yel brn + 10 % Sh, med gy + tr Snd + tr Mica
6704/12-1	99018-63	2745.0	2745.0	Cuttings	Sh, lt brn gy + 20 % Sst, pa yel brn + 10 % Sh, med gy + tr Snd + tr Mica + tr Lst, wht
6704/12-1	99018-64	2754.0	2754.0	Cuttings	Sh, lt brn gy + 20 % Sst, pa yel brn + 10 % Sh, med gy + tr Snd + tr Lst, wht
6704/12-1	99018-65	2763.0	2763.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Snd + tr Lst, wht
6704/12-1	99018-66	2772.0	2772.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Snd + tr Mica

Table 1 . Lithology description, Robertson lab

Well Name	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology Descriptions
6704/12-1	99018-67	2781.0	2781.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt brn gy + 20 % Sh, med gy + tr Snd + tr Mica
6704/12-1	99018-68	2790.0	2790.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt brn gy + 20 % Sh, med gy + tr Snd + tr Mica + tr Lst, v lt gy
6704/12-1	99018-69	2799.0	2799.0	Cuttings	Sh, lt med gy + 20 % Sh, lt brn gy + 20 % Sst, pa yel brn + tr Snd + tr Mica
6704/12-1	99018-70	2808.0	2808.0	Cuttings	Sh, lt med gy + 20 % Sh, lt brn gy + 20 % Sst, pa yel brn + tr Snd + tr Mica
6704/12-1	99018-71	2817.0	2817.0	Cuttings	Sh, lt med gy + 20 % Sh, lt brn gy + 20 % Sst, pa yel brn + tr Snd + tr Mica
6704/12-1	99018-72	2826.0	2826.0	Cuttings	Sh, lt med gy + 20 % Sh, lt brn gy + 20 % Sst, pa yel brn + tr Snd + tr Mica
6704/12-1	99018-73	2835.0	2835.0	Cuttings	Sh, lt med gy + 20 % Sst, pa yel brn + 20 % Clyst, lt brn gy + tr Snd + tr Mica
6704/12-1	99018-74	2844.0	2844.0	Cuttings	Sh, lt med gy + 20 % Sst, pa yel brn + 20 % Clyst, lt brn gy + tr Snd + tr Mica
6704/12-1	99018-75	2853.0	2853.0	Cuttings	Sh, lt med gy + 20 % Sst, pa yel brn + 10 % Clyst, lt brn gy + tr Snd + tr Mica + tr Sh, med dk gy
6704/12-1	99018-76	2862.0	2862.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, lt brn gy + tr Snd + tr Sh, med dk gy + tr Lst, wht
6704/12-1	99018-77	2871.0	2871.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, lt brn gy + tr Snd + tr Sh, med dk gy + tr Lst, wht
6704/12-1	99018-78	2880.0	2880.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, lt brn gy + tr Snd + tr Lst, wht
6704/12-1	99018-79	2889.0	2889.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, lt brn gy + tr Snd + tr Lst, wht
6704/12-1	99018-80	2898.0	2898.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, lt brn gy + tr Snd + tr Lst, wht
6704/12-1	99018-81	2907.0	2907.0	Cuttings	Clyst, lt brn gy + 20 % Sst, pa yel brn + 20 % Sh, lt med gy + tr Snd + tr Lst, wht
6704/12-1	99018-82	2916.0	2916.0	Cuttings	Clyst, lt brn gy + 20 % Sst, pa yel brn + 20 % Sh, lt med gy + tr Snd + tr Lst, wht
6704/12-1	99018-83	2925.0	2925.0	Cuttings	Clyst, lt brn gy + 20 % Sst, pa yel brn + 20 % Sh, lt med gy + tr Lst, wht + tr Sh, dk gy + tr Snd
6704/12-1	99018-84	2934.0	2934.0	Cuttings	Clyst, lt brn gy + 20 % Sst, pa yel brn + 20 % Sh, lt med gy + tr Lst, wht + tr Snd
6704/12-1	99018-85	2943.0	2943.0	Cuttings	Clyst, lt brn gy + 20 % Sst, pa yel brn + 20 % Sh, lt med gy + tr Lst, wht + tr Snd
6704/12-1	99018-86	2952.0	2952.0	Cuttings	Clyst, lt brn gy + 20 % Sst, pa yel brn + 20 % Sh, lt med gy + tr Lst, wht + tr Snd
6704/12-1	99018-87	2961.0	2961.0	Cuttings	Clyst, lt brn gy + 20 % Sst, pa yel brn + 20 % Sh, lt med gy + tr Lst, v lt gy + tr Snd
6704/12-1	99018-88	2970.0	2970.0	Cuttings	Clyst, lt brn gy + 20 % Sh, lt med gy + 20 % Sst, pa yel brn + tr Lst, v lt gy + tr Snd
6704/12-1	99018-89	2979.0	2979.0	Cuttings	Clyst, lt brn gy + 20 % Sh, lt med gy + 20 % Sst, pa yel brn + tr Lst, v lt gy + tr Snd
6704/12-1	99018-90	2988.0	2988.0	Cuttings	Clyst, lt brn gy + 20 % Sh, lt med gy + 20 % Sst, pa yel brn + tr Lst, v lt gy + tr Snd
6704/12-1	99018-91	2997.0	2997.0	Cuttings	Clyst, brn gy + 20 % Sh, lt med gy + 10 % Sst, pa yel brn + tr Lst, v lt gy + tr Snd
6704/12-1	99018-92	3006.0	3006.0	Cuttings	Clyst, brn gy + 20 % Sh, lt med gy + 10 % Sst, pa yel brn + tr Lst, v lt gy + tr Snd
6704/12-1	99018-93	3015.0	3015.0	Cuttings	Clyst, brn gy + 20 % Sh, lt med gy + 20 % Sst, pa yel brn + tr Lst, v lt gy + tr Snd
6704/12-1	99018-94	3024.0	3024.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, brn gy + tr Lst, v lt gy + tr Snd
6704/12-1	99018-95	3033.0	3033.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, brn gy + 10 % Snd + tr Lst, v lt gy
6704/12-1	99018-96	3042.0	3042.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, brn gy + 10 % Snd + tr Lst, v lt gy
6704/12-1	99018-97	3051.0	3051.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, brn gy + 10 % Snd + tr Lst, v lt gy
6704/12-1	99018-98	3060.0	3060.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, brn gy + tr Lst, v lt gy + tr Snd
6704/12-1	99018-99	3069.0	3069.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, brn gy + 10 % Lst, v lt gy + tr Snd

Table 1 . Lithology description, Robertson lab

Well Name	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology Descriptions
6704/12-1	99018-100	3078.0	3078.0	Cuttings	Clyst, lt med gy + 20 % Clyst, brn gy + 20 % Sst, pa yel brn + 10 % Sh, lt gy + tr Sst, pa yel org
6704/12-1	99018-101	3087.0	3087.0	Cuttings	Clyst, lt med gy + 20 % Clyst, brn gy + 20 % Sst, pa yel brn + 10 % Sh, lt gy + tr Sst, pa yel org
6704/12-1	99018-102	3096.0	3096.0	Cuttings	Clyst, lt med gy + 20 % Clyst, brn gy + 20 % Sst, pa yel brn + 10 % Sh, lt gy + tr Lst, v lt gy
6704/12-1	99018-103	3105.0	3105.0	Cuttings	Clyst, lt med gy + 20 % Clyst, brn gy + 20 % Sst, pa yel brn + 10 % Sh, lt gy + tr Lst, v lt gy
6704/12-1	99018-104	3114.0	3114.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, brn gy + 10 % Sh, lt brn gy + 10 % Lst, v lt gy
6704/12-1	99018-105	3123.0	3123.0	Cuttings	Sst, pa yel brn + 20 % Lst, v lt gy + 20 % Sh, lt med gy + 10 % Sh, lt brn gy + 10 % Clyst, brn gy
6704/12-1	99018-106	3132.0	3132.0	Cuttings	Lst, v lt gy + 20 % Sst, pa yel brn + 20 % Sh, lt med gy + 10 % Sh, brn gy + 10 % Sh, lt brn gy
6704/12-1	99018-107	3141.0	3141.0	Cuttings	Clyst, lt med gy + 20 % Clyst, brn gy + 20 % Lst, v lt gy + 10 % Clyst, lt brn gy + 10 % Sst, pa yel brn
6704/12-1	99018-108	3150.0	3150.0	Cuttings	Sst, pa yel brn + 20 % Clyst, brn gy + 20 % Lst, v lt gy + 10 % Clyst, lt brn gy + tr Sh, lt med gy
6704/12-1	99018-109	3159.0	3159.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, brn gy + 10 % Lst, v lt gy + tr Sh, lt brn gy
6704/12-1	99018-110	3168.0	3168.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, brn gy + 10 % Lst, v lt gy + tr Sh, lt brn gy
6704/12-1	99018-111	3177.0	3177.0	Cuttings	Sst, pa yel brn + 20 % Sh, lt med gy + 20 % Clyst, brn gy + 10 % Lst, v lt gy + tr Sh, lt brn gy
6704/12-1	99018-112	3186.0	3186.0	Cuttings	Sh, lt med gy + 20 % Clyst, brn gy + 20 % Lst, v lt gy + 10 % Sst, pa yel brn + tr Sh, lt brn gy
6704/12-1	99018-113	3195.0	3195.0	Cuttings	Sh, lt med gy + 20 % Clyst, brn gy + 20 % Lst, v lt gy + tr Sst, pa yel brn + tr Sh, lt brn gy
6704/12-1	99018-114	3204.0	3204.0	Cuttings	Sh, lt med gy + 20 % Clyst, brn gy + 20 % Sh, med gy + 10 % Lst, v lt gy + tr Sh, lt brn gy + tr Sst, pa yel brn
6704/12-1	99018-115	3213.0	3213.0	Cuttings	Sh, lt med gy + 20 % Lst, v lt gy + 20 % Sh, med gy + 10 % Lst, v lt gy + tr Sst, pa yel brn
6704/12-1	99018-116	3222.0	3222.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 20 % Sst, pa yel brn + 10 % Clyst, brn gy + tr Sh, med gy
6704/12-1	99018-117	3231.0	3231.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 20 % Lst, v lt gy + 10 % Sst, pa yel brn + tr Clyst, brn gy
6704/12-1	99018-118	3240.0	3240.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 20 % Lst, v lt gy + 10 % Sst, pa yel brn + tr Clyst, brn gy
6704/12-1	99018-119	3249.0	3249.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 20 % Lst, v lt gy + 10 % Sst, pa yel brn + tr Clyst, brn gy
6704/12-1	99018-120	3258.0	3258.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 20 % Lst, v lt gy + 10 % Sst, pa yel brn + tr Clyst, brn gy
6704/12-1	99018-121	3267.0	3267.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 20 % Lst, v lt gy + 10 % Sst, pa yel brn + tr Clyst, dk yel brn
6704/12-1	99018-122	3276.0	3276.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 10 % Lst, v lt gy + 10 % Sst, pa yel brn + tr Clyst, dk yel brn
6704/12-1	99018-123	3285.0	3285.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 10 % Sh, lt brn gy + 10 % Lst, v lt gy + tr Sst, pa yel brn
6704/12-1	99018-124	3294.0	3294.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 20 % Sh, med dk gy + tr Sst, pa yel brn + tr Sh, lt brn gy + tr Lst, v lt gy
6704/12-1	99018-125	3303.0	3303.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 20 % Sh, med dk gy + tr Lst, v lt gy + tr Sh, lt brn gy
6704/12-1	99018-126	3312.0	3312.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 20 % Sh, med dk gy + tr Lst, v lt gy + tr Sh, lt brn gy
6704/12-1	99018-127	3321.0	3321.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 20 % Lst, v lt gy + 10 % Sh, med dk gy + tr Sh, lt brn gy
6704/12-1	99018-128	3330.0	3330.0	Cuttings	Sh, lt med gy + 20 % Sh, med gy + 20 % Lst, v lt gy + 10 % Sh, med dk gy + tr Sh, lt brn gy
6704/12-1	99018-129	3339.0	3339.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sh, lt brn gy
6704/12-1	99018-130	3348.0	3348.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sst, pa yel brn
6704/12-1	99018-131	3357.0	3357.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sst, pa yel brn
6704/12-1	99018-132	3366.0	3366.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sst, pa yel brn



Table 1. Lithology description, Robertson lab

Well Name	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology Descriptions
6704/12-1	99018-133	3375.0	3375.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + tr Lst, v lt gy + tr Sst, pa yel brn
6704/12-1	99018-134	3384.0	3384.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + tr Lst, v lt gy + tr Sst, pa yel brn
6704/12-1	99018-135	3393.0	3393.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 10 % Sh, lt med gy + tr Lst, v lt gy + tr Sst, pa yel brn
6704/12-1	99018-136	3402.0	3402.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 10 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sst, pa yel brn
6704/12-1	99018-137	3411.0	3411.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 10 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sst, pa yel brn
6704/12-1	99018-138	3420.0	3420.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 10 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sst, pa yel brn
6704/12-1	99018-139	3429.0	3429.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt brn gy + 10 % Lst, v lt gy + tr Sst, pa yel brn + tr Sh, lt med gy
6704/12-1	99018-140	3438.0	3438.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt brn gy + 10 % Lst, v lt gy + tr Sh, lt med gy
6704/12-1	99018-141	3447.0	3447.0	Cuttings	Sh, lt brn gy + 20 % Sh, med dk gy + 20 % Sh, med gy + 10 % Lst, v lt gy + tr Sh, lt med gy
6704/12-1	99018-142	3456.0	3456.0	Cuttings	Sh, lt brn gy + 20 % Sh, med dk gy + 20 % Sh, med gy + 10 % Lst, v lt gy + tr Sh, lt med gy
6704/12-1	99018-143	3465.0	3465.0	Cuttings	Sh, med dk gy + 20 % Sh, lt brn gy + 20 % Sh, med gy + tr Sh, lt med gy + tr Lst, v lt gy
6704/12-1	99018-144	3474.0	3474.0	Cuttings	Sh, lt brn gy + 20 % Sh, med dk gy + 20 % Sh, med gy + tr Sh, lt med gy + tr Lst, v lt gy
6704/12-1	99018-145	3483.0	3483.0	Cuttings	Sh, lt brn gy + 20 % Sh, med dk gy + 20 % Sh, med gy + tr Lst, v lt gy + tr Sh, lt med gy
6704/12-1	99018-146	3492.0	3492.0	Cuttings	Sh, lt brn gy + 20 % Sh, med dk gy + 20 % Sh, med gy + tr Lst, v lt gy + tr Sh, lt med gy
6704/12-1	99018-147	3501.0	3501.0	Cuttings	Sh, med dk gy + 20 % Sh, lt brn gy + 20 % Sh, med gy + 10 % Lst, v lt gy + tr Sh, lt med gy
6704/12-1	99018-148	3510.0	3510.0	Cuttings	Sh, med dk gy + 20 % Sh, lt brn gy + 20 % Sh, med gy + tr Lst, v lt gy + tr Sh, lt med gy + tr Sh, med yel brn
6704/12-1	99018-149	3519.0	3519.0	Cuttings	Snd + tr Sh, med dk gy (V Small Sample)
6704/12-1	99018-150	3528.0	3528.0	Cuttings	Snd (V Small Sample)
6704/12-1	99018-151	3537.0	3537.0	Cuttings	Snd (V Small Sample)
6704/12-1	99018-152	3546.0	3546.0	Cuttings	Snd (V Small Sample)
6704/12-1	99018-153	3555.0	3555.0	Cuttings	Snd (V Small Sample)
6704/12-1	99018-154	3564.0	3564.0	Cuttings	Snd (V Small Sample)
6704/12-1	99018-155	3573.0	3573.0	Cuttings	Snd (V Small Sample)
6704/12-1	99018-156	3582.0	3582.0	Cuttings	Sh, med dk gy + 20 % Sh, lt brn gy + 20 % Sh, med gy + tr Lst, v lt gy
6704/12-1	99018-157	3591.0	3591.0	Cuttings	Sh, med dk gy + 20 % Sh, lt brn gy + 20 % Sh, med gy + tr Lst, v lt gy
6704/12-1	99018-158	3600.0	3600.0	Cuttings	Sh, med dk gy + 20 % Sh, lt med gy + 20 % Sh, med gy + tr Lst, v lt gy
6704/12-1	99018-159	3609.0	3609.0	Cuttings	Sh, med dk gy + 20 % Sh, lt med gy + 20 % Sh, med gy + tr Lst, v lt gy
6704/12-1	99018-160	3618.0	3618.0	Cuttings	Sh, med dk gy + 20 % Sh, lt med gy + 20 % Sh, med gy + tr Lst, v lt gy
6704/12-1	99018-161	3627.0	3627.0	Cuttings	Sh, med dk gy + 20 % Sh, lt med gy + 20 % Sh, med gy + tr Lst, v lt gy
6704/12-1	99018-162	3636.0	3636.0	Cuttings	Sh, med dk gy + 20 % Sh, lt med gy + 20 % Sh, med gy + tr Lst, v lt gy
6704/12-1	99018-163	3645.0	3645.0	Cuttings	Sh, med dk gy + 20 % Sh, lt med gy + 20 % Sh, med gy + tr Lst, v lt gy
6704/12-1	99018-164	3654.0	3654.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt brn gy + tr Lst, v lt gy
6704/12-1	99018-165	3663.0	3663.0	Cuttings	Sh, lt brn gy + 20 % Sh, med dk gy + 20 % Sh, lt med gy + 10 % Sh, med gy + tr Lst, v lt gy

Table 1 . Lithology description, Robertson lab

Well Name	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology Descriptions
6704/12-1	99018-166	3672.0	3672.0	Cuttings	Sh, lt brn gy + 20 % Sh, med dk gy + 20 % Sh, lt med gy + 10 % Sh, med gy + tr Lst, v lt gy
6704/12-1	99018-167	3681.0	3681.0	Cuttings	Sh, lt brn gy + 20 % Sh, med dk gy + 20 % Sh, lt med gy + 10 % Sh, med gy + tr Lst, v lt gy
6704/12-1	99018-168	3690.0	3690.0	Cuttings	Sh, lt brn gy + 20 % Sh, med dk gy + 20 % Sh, med gy + 10 % Sh, lt med gy + tr Lst, v lt gy
6704/12-1	99018-169	3699.0	3699.0	Cuttings	Sh, lt brn gy + 20 % Sh, med dk gy + 20 % Sh, med gy + 10 % Sh, lt med gy + tr Lst, v lt gy
6704/12-1	99018-170	3708.0	3708.0	Cuttings	Sh, lt brn gy + 20 % Sh, med dk gy + 20 % Sh, med gy + 10 % Lst, v lt gy + tr Sh, lt med gy
6704/12-1	99018-171	3717.0	3717.0	Cuttings	Sh, lt brn gy + 20 % Lst, v lt gy + 20 % Sh, med dk gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-172	3726.0	3726.0	Cuttings	Lst, v lt gy + 20 % Sh, lt brn gy + 20 % Sh, med dk gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-173	3735.0	3735.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-174	3744.0	3744.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-175	3753.0	3753.0	Cuttings	Lst, v lt gy + 20 % Sh, lt brn gy + 20 % Sh, med dk gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-176	3762.0	3762.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-177	3771.0	3771.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, med gy + 10 % Sh, lt brn gy + tr Sh, lt med gy
6704/12-1	99018-178	3780.0	3780.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, med gy + 10 % Sh, lt brn gy + tr Sh, lt med gy
6704/12-1	99018-179	3789.0	3789.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, med gy + 10 % Sh, lt brn gy + tr Sh, lt med gy
6704/12-1	99018-180	3798.0	3798.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, med gy + 10 % Sh, lt brn gy + tr Sh, lt med gy
6704/12-1	99018-181	3807.0	3807.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-182	3816.0	3816.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-183	3825.0	3825.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-184	3834.0	3834.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-185	3843.0	3843.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-186	3852.0	3852.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-187	3861.0	3861.0	Cuttings	Lst, v lt gy + 20 % Sh, med dk gy + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-188	3870.0	3870.0	Cuttings	Sh, med dk gy + 20 % Lst, v lt gy + 20 % Sh, lt brn gy + 10 % Sh, med gy + tr Sh, lt med gy
6704/12-1	99018-189	3879.0	3879.0	Cuttings	Sh, med dk gy + 20 % Sh, lt brn gy + 20 % Sh, med gy + 10 % Lst, v lt gy + tr Sh, lt med gy
6704/12-1	99018-190	3888.0	3888.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt brn gy + 10 % Lst, v lt gy + tr Sh, lt med gy
6704/12-1	99018-191	3897.0	3897.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sh, lt brn gy
6704/12-1	99018-192	3906.0	3906.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sh, lt brn gy
6704/12-1	99018-193	3915.0	3915.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Lst, v lt gy + 10 % Sh, lt med gy + tr Sh, lt brn gy
6704/12-1	99018-194	3924.0	3924.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sh, lt brn gy
6704/12-1	99018-195	3933.0	3933.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Lst, v lt gy + 10 % Sh, lt med gy + tr Sh, lt brn gy + tr Metal
6704/12-1	99018-196	3942.0	3942.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sh, lt brn gy + tr Metal
6704/12-1	99018-197	3951.0	3951.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sh, lt brn gy + tr Metal
6704/12-1	99018-198	3960.0	3960.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sh, lt brn gy + tr Metal

Table 1 . Lithology description, Robertson lab

Well Name	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology Descriptions
6704/12-1	99018-199	3969.0	3969.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 20 % Sh, lt med gy + 10 % Lst, v lt gy + tr Sh, lt brn gy + tr Metal
6704/12-1	99018-200	3978.0	3978.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 10 % Sh, lt med gy + tr Lst, v lt gy + tr Metal
6704/12-1	99018-201	3987.0	3987.0	Cuttings	Sh, med dk gy + 20 % Lst, v lt gy + tr % Sh, lt med gy + tr Metal
6704/12-1	99018-202	3996.0	3996.0	Cuttings	Sh, med dk gy + 20 % Lst, v lt gy + tr % Sh, lt med gy + tr Metal
6704/12-1	99018-203	4005.0	4005.0	Cuttings	Sh, med dk gy + 20 % Lst, v lt gy + tr % Sh, lt med gy + tr Metal
6704/12-1	99018-204	4014.0	4014.0	Cuttings	Sh, med dk gy + 20 % Lst, v lt gy + tr % Sh, med gy + tr Metal
6704/12-1	99018-205	4023.0	4023.0	Cuttings	Sh, med dk gy + 20 % Lst, v lt gy + tr % Sh, med gy + tr Metal
6704/12-1	99018-206	4032.0	4032.0	Cuttings	Sh, med dk gy + 20 % Lst, v lt gy + tr % Sh, med gy + tr Metal
6704/12-1	99018-207	4041.0	4041.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 10 % Lst, v lt gy + tr Metal
6704/12-1	99018-208	4050.0	4050.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 10 % Lst, v lt gy + tr Metal
6704/12-1	99018-209	4059.0	4059.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + 10 % Lst, v lt gy + tr Metal
6704/12-1	99018-210	4068.0	4068.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + tr % Lst, v lt gy + tr Metal
6704/12-1	99018-211	4077.0	4077.0	Cuttings	Sh, med dk gy + 20 % Sh, med gy + tr % Lst, v lt gy + tr Metal

Table 2

Vitrinite reflectance data table 6704/12-1

Analysis type: Vitrinite reflectance  
 Well: 6704/12-1  
 Number of samples: 90  
 Time period for analysis: July-Sept. 99  
 Analysis performed by: T. Throndsen and K. Aasgaard, IFE  
 Analysis ordered by: Saga Petroleum

Table 2. Vitrinite reflectance data, well 6704/12-1

IFE sampl code	Depth (m)	Sample type	Lithology	Vitr. refl. (%Rm)	Stand. dev.	Number of readings	Sample description	Sample quality	Sample prep.
991283	2190	DC	clyst	barren					HF
991284	2220	DC	clyst	0.32	0.03	9		P	HF
991285	2250	DC	clyst	barren					HF
991286	2280	DC	clyst	0.27	0.03	8		P	HF
991287	2310	DC	clyst	0.28	0.03	6		P	HF
991288	2340	DC	clyst	0.29	0.01	2		P	HF
991289	2370	DC	clyst	0.27	0.04	6			HF
991290	2385	DC	clyst	0.4	0.03	10		P/M	HF
991291	2400	DC	clyst	0.45	0.04	13		P	HF
991292	2430	DC	clyst	0.41	0.03	11		M	HF
991293	2460	DC	clyst	0.29	0.04	29			HF
991294	2490	DC	clyst	0.38	0.05	28		M/G	HF
991295	2520	DC	clyst	0.39	0.07	30		M/G	HF
991296	2550	DC	clyst	0.3	0.05	26		M/G	HF
991342	2558	CORE	clyst	0.36	0.08	21		M	HF
991297	2580	DC	clyst	0.39	0.05	26		G	HF
991298	2610	DC	clyst	0.36	0.04	24		G	HF
991299	2640	DC	clyst	0.35	0.06	27		G/M	HF
991300	2670	DC	clyst	0.41	0.07	26		G/M	HF
991301	2730	DC	clyst	0.4	0.06	26		G/M	HF
991302	2790	DC	clyst	0.39	0.04	30		G/M	HF
991303	2850	DC	clyst	0.42	0.05	30		G/M	HF

Table2. Vitrinite reflectance data, well 6704/12-1

IFE samp code	Depth (m)	Sample type	Lithology	Vitr. refl. (%Rm)	Stand. dev.	Number of readings	Sample description	Sample quality	Sample prep.
991343	2880	DC	clyst	barren					HF
991344	2910	DC	clyst	0.41	0.05	11		M	HF
991345	2998	CORE	clyst	0.43	0.04	30		M	HF
991346	3002	CORE	clyst	0.41	0.06	30		M/G	HF
991347	3090	DC	clyst	0.42	0.04	27		M/G	HF
991348	3180	DC	clyst	0.47	0.04	26		M/G	HF
991349	3240	DC	clyst	0.47	0.06	30		M/G	HF
991350	3300	DC	clyst	0.49	0.03	29		G	HF
991351	3420	DC	clyst	0.52	0.06	28		M	HF
991352	3480	DC	clyst	0.51	0.04	22		M	HF
991362	3930	DC	clyst	0.7	0.08	30		M	HF
991403	2910	DC	clyst	0.32	0.05	20		M	HF
991404	3060	DC	clyst	0.35	0.04	20			HF
991405	3120	DC	clyst	0.37	0.07	21			HF
991406	3210	DC	clyst	0.42	0.03	22			HF
991407	3240	DC	clyst	0.42	0.04	20		M	HF
991408	3300	DC	clyst	0.49	0.06	21			HF
991409	3510	DC	clyst	0.49	0.05	20			HF
991410	3540	DC	clyst	0.45	0.04	9			HF
991411	3570	DC	clyst	0.53	0.06	21			HF
991412	3630	DC	clyst	0.65	0.04	19		P	HF
991413	3660	DC	clyst	0.63	0.05	23			HF
991414	3690	DC	clyst	0.63	0.07	21			HF
991415	3720	DC	clyst	0.69	0.07	20			HF
991416	3750	DC	clyst	0.67	0.06	21			HF
991417	3780	DC	clyst	0.7	0.05	22			HF
991418	3810	DC	clyst	0.69	0.05	21		M/G	HF
991419	3840	DC	clyst	0.72	0.07	27		M	HF
991420	3870	DC	clyst	0.75	0.04	20		M	HF
991421	3930	DC	clyst	0.73	0.04	20		M	HF
991441	2477	SWC	clyst	0.3	0.04	20		M/G	HF
991442	2537	SWC	clyst	0.3	0.05	22			
991443	2545	SWC	clyst	0.42	0.02				

Table2. Vitrinite reflectance data, well 6704/12-1

IFE sampl code	Depth (m)	Sample type	Lithology	Vitr. refl. (%Rm)	Stand. dev.	Number of readings	Sample description	Sample quality	Sample prep.
991444	2638	SWC	clyst	0.32	0.03	23			
991445	2685	SWC	clyst	0.38	0.06	22			
991446	2729	SWC	clyst	0.38	0.04	22			
991447	2798	SWC	clyst	0.39	0.01	21			
991448	2874	SWC	clyst	0.42	0.06	16			
991449	3151	SWC	clyst	0.47	0.04	20			
991450	3256	SWC	clyst	0.51	0.03	20			
991451	3311	SWC	clyst	0.57	0.07	24			
991452	3352	SWC	clyst	0.55	0.06	20			
991453	3446	SWC	clyst	0.63	0.06	20			
991454	3471	SWC	clyst	0.59	0.07	20			
991455	3513	SWC	clyst	barren					
991456	3517	SWC	clyst	0.56	0.05	11			
991457	3543	SWC	clyst	0.61	0.06	9			
991458	3575	SWC	clyst	0.49	0.03	2			
991459	3599	SWC	clyst	0.68	0.06	20			
991460	3641	SWC	clyst	0.74	0.09	20			
991461	3674	SWC	clyst	0.73	0.06	11			
991462	3740	SWC	clyst	0.75	0.07	18			
991463	3756	SWC	clyst	0.74	0.08	20			
991464	3782	SWC	clyst	0.72	0.08	11			
991465	3901	SWC	clyst	0.87	0.07	21			
991466	3992	SWC	clyst	0.77	0.04	11			
991467	4020	SWC	clyst	0.9	0.06	14			
991468	4082	SWC	clyst	1.02	0.11	13			
991544	4097	CORE	clyst	1.01	0.1	22			
991545	4099	CORE	clyst	0.92	0.08	8			
991546	4100	CORE	clyst	1.02	0.02	3			
991547	4102	CORE	clyst	0.85	0.13	4			
991548	4103	CORE	clyst	0.93	0.08	26			

Table 3. TOC and Rock-Eval analysis of cuttings, Robertson lab

Well Name	Sample Name	Upper Depth	Lower Depth	Sample Type	S1 mg/g	S2 mg/g	S3 mg/g	Tmax deg C	TOC Cuttings	HI (mg/gTOC)	PI
6704/12-1	99018-1 X	2170.0	2170.0	S.E.Cuttings	0.09	0.35	0.96	458	0.19	184	0.20
6704/12-1	99018-2 X	2180.0	2180.0	S.E.Cuttings	0.18	0.68	1.60	*	0.44	155	0.21
6704/12-1	99018-3 X	2190.0	2190.0	S.E.Cuttings					0.37		
6704/12-1	99018-4 X	2200.0	2200.0	S.E.Cuttings	0.14	0.42	1.08	411	0.41	102	0.25
6704/12-1	99018-5 X	2210.0	2210.0	S.E.Cuttings					0.32		
6704/12-1	99018-6 X	2220.0	2220.0	S.E.Cuttings	0.18	0.60	0.78	426	0.39	154	0.23
6704/12-1	99018-7 X	2230.0	2230.0	S.E.Cuttings	0.14	0.40	0.80	425	0.37	108	0.26
6704/12-1	99018-8 X	2240.0	2240.0	S.E.Cuttings					0.29		
6704/12-1	99018-9 X	2250.0	2250.0	S.E.Cuttings	0.08	0.28	0.47	*	0.29	97	0.22
6704/12-1	99018-10 X	2260.0	2260.0	S.E.Cuttings					0.45		
6704/12-1	99018-11 X	2270.0	2270.0	S.E.Cuttings	0.09	0.51	0.39	425	0.47	109	0.15
6704/12-1	99018-12 X	2280.0	2280.0	S.E.Cuttings					0.40		
6704/12-1	99018-13 X	2290.0	2290.0	S.E.Cuttings	0.20	0.66	0.28	422	0.40	165	0.23
6704/12-1	99018-14 X	2300.0	2300.0	S.E.Cuttings					0.47		
6704/12-1	99018-15 X	2310.0	2310.0	S.E.Cuttings	0.08	0.45	0.47	417	0.41	110	0.15
6704/12-1	99018-16 X	2320.0	2320.0	S.E.Cuttings					0.40		
6704/12-1	99018-17 X	2330.0	2330.0	S.E.Cuttings	0.17	0.38	0.61	418	0.44	86	0.31
6704/12-1	99018-18 X	2340.0	2340.0	S.E.Cuttings					0.49		
6704/12-1	99018-19 X	2350.0	2350.0	S.E.Cuttings	0.19	0.43	0.65	413	0.47	91	0.31
6704/12-1	99018-20 X	2360.0	2360.0	S.E.Cuttings	0.15	0.37	0.60	419	0.48	77	0.29
6704/12-1	99018-21 X	2370.0	2370.0	S.E.Cuttings					0.50		
6704/12-1	99018-22 X	2380.0	2380.0	S.E.Cuttings	0.18	0.72	0.80	428	0.73	99	0.20
6704/12-1	99018-23 X	2385.0	2385.0	S.E.Cuttings	0.58	3.10	4.49	432	0.85	365	0.16
6704/12-1	99018-24 X	2394.0	2394.0	S.E.Cuttings	0.66	4.23	2.80	441	1.31	323	0.13
6704/12-1	99018-25 X	2403.0	2403.0	S.E.Cuttings					0.64		
6704/12-1	99018-26 X	2412.0	2412.0	S.E.Cuttings	0.14	0.34	0.66	*	0.44	77	0.29
6704/12-1	99018-27 X	2421.0	2421.0	S.E.Cuttings					0.50		
6704/12-1	99018-28 X	2430.0	2430.0	S.E.Cuttings	0.21	0.52	0.55	427	0.69	75	0.29
6704/12-1	99018-29 X	2439.0	2439.0	S.E.Cuttings					0.73		
6704/12-1	99018-30 X	2448.0	2448.0	S.E.Cuttings	0.13	0.61	0.44	431	0.76	80	0.18
6704/12-1	99018-31 X	2457.0	2457.0	S.E.Cuttings					0.78		
6704/12-1	99018-32 X	2466.0	2466.0	S.E.Cuttings	0.14	0.85	0.66	434	0.93	91	0.14

Table 3. TOC and Rock-Eval analysis of cuttings, Robertson lab

Well Name	Sample Name	Upper Depth	Lower Depth	Sample Type	S1 mg/g	S2 mg/g	S3 mg/g	Tmax deg C	TOC Cuttings	HI (mg/gTOC)	PI
6704/12-1	99018-33 X	2475.0	2475.0	S.E.Cuttings					0.98		
6704/12-1	99018-34 X	2484.0	2484.0	S.E.Cuttings	0.19	0.88	0.70	432	0.85	104	0.18
6704/12-1	99018-35 X	2493.0	2493.0	S.E.Cuttings					0.55		
6704/12-1	99018-36 X	2502.0	2502.0	S.E.Cuttings	0.24	0.93	0.92	431	0.90	103	0.21
6704/12-1	99018-37 X	2511.0	2511.0	S.E.Cuttings					0.81		
6704/12-1	99018-38 X	2520.0	2520.0	S.E.Cuttings	0.19	0.74	0.70	430	0.86	86	0.20
6704/12-1	99018-39 X	2529.0	2529.0	S.E.Cuttings	0.35	1.09	0.56	430	1.02	107	0.24
6704/12-1	99018-40 X	2538.0	2538.0	S.E.Cuttings	0.19	0.73	0.56	431	0.93	78	0.21
6704/12-1	99018-41 X	2547.0	2547.0	S.E.Cuttings	0.25	0.96	0.65	429	1.00	96	0.21
6704/12-1	99018-42 X	2556.0	2556.0	S.E.Cuttings	0.77	3.87	5.74	438	1.55	250	0.17
6704/12-1	99018-43 X	2565.0	2565.0	S.E.Cuttings	0.19	0.86	0.92	428	0.70	123	0.18
6704/12-1	99018-44 X	2574.0	2574.0	S.E.Cuttings	0.29	0.83	0.73	427	0.73	114	0.26
6704/12-1	99018-45 X	2583.0	2583.0	S.E.Cuttings					0.82		
6704/12-1	99018-46 X	2592.0	2592.0	S.E.Cuttings	0.24	1.03	0.70	430	0.81	127	0.19
6704/12-1	99018-47 X	2601.0	2601.0	S.E.Cuttings					0.82		
6704/12-1	99018-48 X	2610.0	2610.0	S.E.Cuttings	0.16	0.99	0.64	429	0.75	132	0.14
6704/12-1	99018-49 X	2619.0	2619.0	S.E.Cuttings	0.13	0.70	0.66	429	0.69	101	0.16
6704/12-1	99018-50 X	2628.0	2628.0	S.E.Cuttings					0.62		
6704/12-1	99018-51 X	2637.0	2637.0	S.E.Cuttings	0.15	0.85	0.54	431	0.70	121	0.15
6704/12-1	99018-52 X	2646.0	2646.0	S.E.Cuttings					0.68		
6704/12-1	99018-53 X	2655.0	2655.0	S.E.Cuttings	0.22	0.78	0.56	431	0.71	110	0.22
6704/12-1	99018-54 X	2664.0	2664.0	S.E.Cuttings					0.72		
6704/12-1	99018-55 X	2673.0	2673.0	S.E.Cuttings	0.23	0.78	0.60	430	0.61	128	0.23
6704/12-1	99018-56 X	2682.0	2682.0	S.E.Cuttings					0.70		
6704/12-1	99018-57 X	2691.0	2691.0	S.E.Cuttings	0.17	0.90	0.54	431	0.72	125	0.16
6704/12-1	99018-58 X	2700.0	2700.0	S.E.Cuttings					0.72		
6704/12-1	99018-59 X	2709.0	2709.0	S.E.Cuttings	0.21	0.96	0.44	431	0.64	150	0.18
6704/12-1	99018-60 X	2718.0	2718.0	S.E.Cuttings					0.66		
6704/12-1	99018-61 X	2727.0	2727.0	S.E.Cuttings	0.15	0.69	0.43	431	0.56	123	0.18
6704/12-1	99018-62 X	2736.0	2736.0	S.E.Cuttings					0.69		
6704/12-1	99018-63 X	2745.0	2745.0	S.E.Cuttings	0.17	0.93	0.50	430	0.71	131	0.15
6704/12-1	99018-64 X	2754.0	2754.0	S.E.Cuttings					0.61		



Table 3. TOC and Rock-Eval analysis of cuttings, Robertson lab

Well Name	Sample Name	Upper Depth	Lower Depth	Sample Type	S1 mg/g	S2 mg/g	S3 mg/g	Tmax deg C	TOC Cuttings	HI (mg/gTOC)	PI
6704/12-1	99018-65 X	2763.0	2763.0	S.E.Cuttings	0.14	0.57	0.42	430	0.52	110	0.20
6704/12-1	99018-66 X	2772.0	2772.0	S.E.Cuttings					0.60		
6704/12-1	99018-67 X	2781.0	2781.0	S.E.Cuttings	0.12	0.39	0.35	432	0.46	85	0.24
6704/12-1	99018-68 X	2790.0	2790.0	S.E.Cuttings					0.66		
6704/12-1	99018-69 X	2799.0	2799.0	S.E.Cuttings	0.22	0.93	0.67	428	0.73	127	0.19
6704/12-1	99018-70 X	2808.0	2808.0	S.E.Cuttings					0.71		
6704/12-1	99018-71 X	2817.0	2817.0	S.E.Cuttings					0.76		
6704/12-1	99018-72 X	2826.0	2826.0	S.E.Cuttings	0.17	0.71	0.64	432	0.69	103	0.19
6704/12-1	99018-73 X	2835.0	2835.0	S.E.Cuttings					0.60		
6704/12-1	99018-74 X	2844.0	2844.0	S.E.Cuttings					0.65		
6704/12-1	99018-75 X	2853.0	2853.0	S.E.Cuttings	0.22	0.77	0.86	434	0.72	107	0.22
6704/12-1	99018-76 X	2862.0	2862.0	S.E.Cuttings					0.96		
6704/12-1	99018-77 X	2871.0	2871.0	S.E.Cuttings	0.45	0.94	2.27	452	0.81	116	0.32
6704/12-1	99018-78 X	2880.0	2880.0	S.E.Cuttings					0.78		
6704/12-1	99018-79 X	2889.0	2889.0	S.E.Cuttings					0.70		
6704/12-1	99018-80 X	2898.0	2898.0	S.E.Cuttings					0.85		
6704/12-1	99018-81 X	2907.0	2907.0	S.E.Cuttings	0.35	1.08	2.55	432	0.79	137	0.24
6704/12-1	99018-82 X	2916.0	2916.0	S.E.Cuttings					0.76		
6704/12-1	99018-83 X	2925.0	2925.0	S.E.Cuttings	0.26	0.96	1.97	433	0.77	125	0.21
6704/12-1	99018-84 X	2934.0	2934.0	S.E.Cuttings					0.78		
6704/12-1	99018-85 X	2943.0	2943.0	S.E.Cuttings	0.31	1.10	1.36	431	0.80	138	0.22
6704/12-1	99018-86 X	2952.0	2952.0	S.E.Cuttings					0.77		
6704/12-1	99018-87 X	2961.0	2961.0	S.E.Cuttings	0.22	1.07	1.16	433	0.85	126	0.17
6704/12-1	99018-88 X	2970.0	2970.0	S.E.Cuttings	0.23	1.10	1.07	431	0.91	121	0.17
6704/12-1	99018-89 X	2979.0	2979.0	S.E.Cuttings	0.29	1.59	1.41	430	0.96	166	0.15
6704/12-1	99018-90 X	2988.0	2988.0	S.E.Cuttings	0.24	1.88	0.84	432	1.00	188	0.11
6704/12-1	99018-91 X	2997.0	2997.0	S.E.Cuttings	0.23	1.56	1.12	430	0.95	164	0.13
6704/12-1	99018-92 X	3006.0	3006.0	S.E.Cuttings					0.91		
6704/12-1	99018-93 X	3015.0	3015.0	S.E.Cuttings	0.24	1.57	1.67	428	0.88	178	0.13
6704/12-1	99018-94 X	3024.0	3024.0	S.E.Cuttings					0.75		
6704/12-1	99018-95 X	3033.0	3033.0	S.E.Cuttings	0.25	1.34	1.61	430	0.92	146	0.16
6704/12-1	99018-96 X	3042.0	3042.0	S.E.Cuttings					0.80		