6506/12-10

Run no.	Test no.	Depth m MDRKB	Depth m TVDMSL	Formation	DST # depth	Permeability	Form. press.	'Flowing' press.	P. incr. 60 sec.	Total time	Perm. indic.
		4547,3									
3A-	1	4565				Tight (aborted)	31500	31100	2100		1
4B-	1	4570				No Seal					
4B-	2	4570				No Seal					
4C-	1	4570,5				Tight		32300	1200		1
3A-	2	4574				Tight (aborted)		29900	1500		1
4D-	1	4575,1				No Seal					
4C-	2	4581,2				Tight		33900	1200		1
3A-	3	4583,5				Tight (aborted)		31100	4800		2
4C-	3	4586,1				Tight		32500	1200		1
4C-	4	4590,2				Tight		32500	2000		1
		4612,8									
		4634,8									
4C-	5	4635,8				No seal					
4C-	6	4638,5				Tight		32900	1800		1
4B-	3	4638,8				No Seal					
4B-	4	4641,3				No Seal					
4C-	7	4643,6				Tight		33400	2300		1
4C-	8	4644,5				No seal					
4B-	5	4645,2				No Seal					
4D-	2	4645,2				No Seal					
4C-	9	4645,5				Tight		34900	2400		1
4C-	10	4651				Tight		34900	3800		2
4D-	3	4653,1				Poor	49616	39000			
3A-	4	4653,2				Tight (aborted)	34300	34200	7800		2
4B-	6	4653,3				No Seal					
4B-	7	4657,5				No Seal					
4C-	11	4660				No seal					
4D-	4	4660				Lost seal		44000			
4C-	12	4663,6				No seal					
4D-	5	4663,7				No Seal					
3A-	6	4666,5				Tight (aborted)		32700	7300		2
3A-	7	4667,2				Tight (aborted)	32200	32300	2000		1
3A-	5	4667,7				Tight (aborted)	32900	32800	11600		3
4C-	23	4667,8						35500	6500		2
4B-	8	4669,8				No Seal					
4D-	6	4670,3				No Seal					
3A-	8	4672,6				Tight (aborted)	32200	32200	3200		2
4C-	13	4673				Tight		36400	2300		1
4C-	14	4676,7				Tight					
4D-	7	4679,3				No Seal					
4B-	9	4679,3				No Seal					
4C-	15	4685				No seal		34500	1400		1
4D-	8	4685				No Seal					
4D-	9	4685,5				No Seal					
4B-	10	4685,6				No Seal					
4C-	16	4687,3				No seal					
4D-	10	4691,1				No Seal					

Table 3.3.1 FMT summary 6506/12-10

4C-	17	4691,2				No seal					
4D-	11	4693,2				Lost seal		38000			
4D-	12	4693,3				No Seal					
4C-	18	4693,8				No seal					
3A-	10	4695,7				Tight (aborted)		34300	1400		1
3A-	9	4697				Tight (aborted)		32300	1600		1
4D-	13	4698,5				No Seal					
4C-	19	4698,6				No seal					
4D-	14	4699,7				No Seal					
4B-	11	4699,8				No Seal					
4C-	20	4702				Tight		34200	2100		1
4D-	15	4703,3				No Seal					
4C-	21	4705,8				No seal					
4D-	16	4706				No Seal					
4D-	17	4708,6				No Seal					
4C-	22	4708,8				No seal					
		4708,8									
4C-	24	4713,5				No seal					
4C-	25	4722				No seal					
4D-	18	4722				No Seal					
4C-	26	4744				No seal					
		4775,8									
4C-	27	4779				Tight, abandon		43500?	600 ?		?
4B-	12	4779				No Seal					
3A-	11	4779				Tight (aborted)		35900	1600		1
4C-	28	4827				No seal					
4D-	19	4827				No Seal					
4C-	29	4832,3				No seal					
4C-	29	4832,3				No Seal					
		4840,6									
		4858									
4C-	30	4864				Tight					
4C-	30	4864				Tight, abandon		37600	3800		2
4D-	20	4864,3				Tight, abandon		37900	1900		1
4B-	13	4864,8				No Seal					
4B-	14	4868,8				No Seal					
4C-	31	4869				Sample 2	50224	47200			
4C-	31	4869				Sample					
4C-	32	4872,5				No Seal					
4C-	33	4880,1				No Seal					
		4882,1									
4C-	34	4893,1				Tight		38100	900		1
4C-	35	4895,1				Tight		40400	3400		2
4D-	21	4895,9				No Seal					
4C-	36	4896				No Seal					
4D-	22	4904,2				No Seal					
		4911,8									
		4918,8									
4D-	23	4918,9				No Seal					
4D-	24	4920				No Seal					
4B-	40	4929,9				Tight, abandon		42700	7700		3
4B-	39	4930						48800			
4B-	42	4930						45000			

4B-	44	4930				No Seal						
4B-	47	4930				Tight, abandon		38200	2400		1	
4B-	43	4930						46400				
4B-	15	4930					50504	48000				
4B-	46	4930				No Seal						
4B-	41	4930,1						47500				
4B-	48	4930,1				Sample 1		47900				
4B-	45	4930,1				No Seal						
4B-	16	4930,5				No Seal						
4B-	17	4934,8				No Seal						
4B-	18	4935				No Seal						
4B-	19	4937,8				No Seal						
4B-	20	4938,8				No Seal						
4B-	21	4939				No Seal						
4D-	25	4939,6				No Seal						
4B-	23	4939,8				No Seal						
4B-	22	4939,9				No Seal						
4B-	25	4939,9				No Seal						
4B-	24	4940,8				No Seal						
4D-	26	4941,2				No Seal						
4B-	26	4941,6				No Seal						
4B-	27	4941,8				No Seal						
4D-	27	4942				No Seal						
4D-	28	4944,2				No Seal						
4B-	28	4944,3				No Seal						
4B-	29	4944,8				No Seal						
		4950,5										
4D-	29	4956				No Seal						
4D-	30	4958,7				No Seal						
4B-	30	4959				No Seal						
4B-	31	4959,3				No Seal						
4D-	31	4960,4				No Seal						
4B-	32	4960,8				No Seal						
		4964,6										
4D-	32	4967,1				No Seal						
4D-	33	4968,7				No Seal						
		4987,8										
		4994,8										
4B-	33	5002				No Seal						
4B-	34	5009,6				No Seal						
4D-	34	5009,6				No Seal						
4E-	4	5009,6				Tight		30200	11000		3	
4E-	3	5009,7				Tight		37200	11000		3	
4E-	5	5011,1				Poor	51648	40700				
4B-	35	5011,3						42500				
4D-	35	5011,3				Poor	51522	38000				
4E-	2	5018				Tight		43900	3000		2	
4E-	1	5020				Moderate	51659	46300				
4E-	8	5020				No Seal						
4E-	9	5020,1				Sample 4	51736	48300				
4D-	36	5020,1				No Seal						
4B-	36	5020,3				No Seal						
		5022,7										

4D-	37	5030,4				Tight		38600	6000		2
4D-	38	5051,7				Lost seal		45000			
4B-	37	5051,9				Tight		39800	2000		1
4D-	42	5051,9				Sample 3	51981	51900			
		5052									
4D-	39	5054,1				No Seal					
4B-	38	5054,9				Tight supercharged		39000			
4B-		5055,3				Tight/superch ?		39900	8200		2
4D-	41	5073,9				No seal					
4D-	40	5074				Lost seal					

						6506/12-10A					
Run	Test	Depth	Depth	Formation	DST #	Permeability	Form.	'Flowing'	P. incr.	Total	Perm.
no.	no.	m MDRKB	m TVDMSL		depth		press.	press.	60 sec.	time	indic.
3A	1	5273,2	4397,7			Good	49925	47280			
3A	2	5278	4401,7			Tight	-	33300	700		1
3A	3	5278,2	4401,8			Tight	-				
3A	4	5279,4	4402,8			Moderate	50095	44180			
3A	5	5283	4405,8			Tight	-	31700	1700		1
3A	6	5273,2	4397,7			Good/Sampling	49958	46100			
3A	7	5284	4406,7			Superch	50550	36800			
3A	8	5290,1	4412			Tight	-	35500	1300		1
3A	9	5298,2	4419,1			Tight	-	32600	1000		1
3A	10	5319,4	4437,8			Tight	-	35200	500		1
3A	11	5340,5	4456,9			No Seal	-				
3A	12	5350	4465,7			Tight	-	33600	1400		1
3A	13	5351,6	4467,2			Tight	-	34400	1500		1
3A	14	5354	4469,4			Tight	-	35600	1500		1
3A	15	5363	4477,8			Superch	48111	36600			
3A	16	5374	4488,1			No Seal	-	-			
3A	17	5380	4493,8			Poor	48157	39600			
3A	18	5386,8	4500,3			Tight	-	36100	2600		2
3A	19	5398	4510,9			Tight	-	34100	700		1
3A	20	5404,1	4516,7			Tight	-	35100	700		1
3A	21	5414,8	4527			Tight	-	36000	700		1
3A	22	5422,5	4534,4			Tight	-	36000	700		1
3A	23	5426,6	4538,3			Tight	-	34650	700		1
3A	24	5430,1	4541,7			Tight	-	35600	600		1
3A	25	5470	4580,3			Tight	-	36070	700		1
3A	26	5473,2	4583,4			Tight	-	36050	700		1
3A	27	5491,5	4601,2			Tight	-	35200	800		1
3A	28	5502,6	4612,9			Tight	-	36200	800		1
3A	29	5515,8	4624,8			Tight	-	35900	1900		1
3A	30	5524	4632,8			Tight	-	37400	900		1
3A	31	5515,8	4624,8			Tight	-	36800	1200		1
3A	32	5554	4662,2			Tight	-	35800	3400		2
3A	33	5556,5	4664,6			Tight	-	35900	1200		1
3A	34	5559,4	4667,5			Tight	-	37200	1200		1
3A	35	5560,5	4668,6			Tight	-	36191	2200		1
3A	36	5560,7	4668,8			Tight	-	36121	2900		2
3A	37	5573,9	4681,7			Good	48616	46206			
3A	38	5586	4693,6			Tight	-	36800	600		1
3A	39	5589,8	4697,4			Tight	-	38400	1000		1
3A	40	5594	4701,5			Tight	-	37124	900		1
3A	41	5610	4717,3			Tight	-	37100	600		1
3A	42	5622,1	4729,3			Tight	-	39200	3500		2
3A	43	5628	4735,1			Good	48864	43436			
3A	44	5630	4737,1			Poor	48885	40510			
3A	45	5652,5	4759,3			Poor	50170	40140			
3A	46	5654	4760,8			Very poor-Abandent	-	40033	2700		2
3A	47	5672	4778,7			Very poor-Abandent	-	39700	1400		1
3A	48	5687	4793,5			Excellent	49442	48521			

Table 3.3.2 FMT Summary 6506/12-10A

3A	49	5692,1	4798,6			Moderate	49490	41705			
3A	50	5699	4805,4			Excellent	49510	49181			
3A	51	5706,8	4813,2			Moderate	49695	43266			
3A	52	5728	4834,2			Tight	-	37700	700		1
3A	53	5731,1	4837,3			Good	50164	45958			
3A	54	5732	4838,2			Very poor-Abendent	-	38299	3000		2
3A	55	5732,5	4838,7			Tight	-	38264	2800		
3A	56	5732,5	4838,7			Very poor-Abandend	-	38300	5200		3
3A	57	5732	4838,2			Very poor Abandend	-	39500	4800		3
3A	58	5736,2	4842,4			Poor	50204	40291			
3A	59	5737,2	4843,4			Moderate	50204	40915			
3A	60	5751,5	4857,8			Tight	-	37614	700		1
3A	61	5784	4889,7			Tight	-	42800	500		1
3A	62	5808	4913,6			Poor/supercharge	57073	41901	3900		
3A	63	5819,2	4924,7			Tight	-	37605	800		1
3A	64	5823,8	4929,3			Tight	-	38957	1500		1
3A	65	5842	4947,5			Supercharge	57616	42029			
4D	1	5926.0				Tight		48900	1200		1
4D	2	5953.5				No seal					
4D	3	5954.0				No seal					
4D	4	5959.0				No seal					
4D	5	5998.0				No seal ?	72670	61200			
4D	6	6001.0				Tight		48800	3300		2
4D	7	6004.0				No seal					
4D	8	6022.0				No seal					
4D	9	6022.0				No seal					
4D	10	6041.2				No seal					
4D	11	6050.5				No seal					
4D	12	6053.0				Tight		49600	2000		1
4D	13	6057.0				No seal					
4D	14	6062.5				No seal					
4D	15	6064.0				Tight		49500	5800		3
4D	16	6067.5				Tight		64300?	800		1 ?
4D	17	6108.0				Tight		50400	1200		1
4D	18	6122.0				No seal					
4D	19	6125.5				No seal					
4D	20	6129.0				No seal					
4D	21	6131.5				Tight		50400	1100		1
4D	22	6135.5				Tight		50400	700		1
4D	23	6166.5				No seal					
4D	24	6171.5				No seal					
4D	25	6176.0				Tight		50800	700		1
4D	26	6190.5				No seal					
4D	27	6190.5				Tight		51600	1400		1
4D	28	6193.5				Tight		51600	2200		1
4D	29	6197.0				No seal/supercharge ?		57000	16400		3 ?
4D	30	5998.0				No seal					
4D	31	6000.8				No seal					
4D	32	6000.7				No seal					
4D	33	5995.2				Tight		48600	1200		1
4D	34	5958..0				Tight		47900	900		1
4D	35	6003.5				No seal					
4D	36	6054.0				No seal					

FMT samples in the well 6506/12-10

Run no./ Sample Formation	Depth m MD RKB	Depth m TVD	Sample type/ volume	Fill time	Flowing pressure kPa	End Pressure kPa	Temp. °C	Remarks
4B / 48	4931.3		20 l sample	160 min	38.000	49.100	160.3	20 l chamber contained 20 l fluid : Base oil , emulsion , filtered fluid Filtered fluid : pH 6.92 , Salinity 68000 mg/l Cl^- resistivity 0.063 ohm-m at 20 °C Chamber no. 1900ZC - 331652
			4 l sample	25 min	28.000	50.245	160.6	
4C / 31	4.869		20 l sample	102 min	38.000	50.030	152.4	20 l chamber contained 20 l fluid : Base oil and water Water : pH 6.50 , Salinity 53000 mg/l Cl^- Resistivity 0.25 ohm-m at 20.7 °C Chamber no. 1956XA - 152662
			4 l sample	25 sek	38.000	50.194	152.5	
4D / 42	5051.9		20 l sample	246 min	47.000	51.951	160.7	20 l chamber contained 20 l fluid : Base oil and water Water : pH 6.50 Salinity 53000 mg/l Cl^- Chamber no. 1956XA - 152656
			4 l sample	10 sek	38.000	51.981	160.7	
4E / 7	5020.1		20 l sample	77 min	Aborted		159.3	20 l chamber contained 20 l fluid : Mud filtrate : Salinity 109000 mg/l Cl^- Retorte measurments : 10% water, 77% baseoil , 4% solids Chamber no. - Not filled due to plugging
			4 l sample	Not taken				

Table 3.3.3

FMT samples in the well 6506/12-10A

Run no./ Sample Formation	Depth m MD RKB	Depth m TVD	Sample type/ volume	Fill time	Avg. Flowing pressure kPa	End Pressure kPa	Temp. °C	Remarks
								10 l chamber contained 8.9 l water, 0 opening pressure. Water transfered to plastic bottles. 4 l chamber contained 3.8 l water, 12 bar opening pressure. Water transfered to plastic bottles.
3A / 8	5273.2	4397.7	10 liter	48.9 min	40.244	49.780	146	
			4 liter	19.4 min	38.112		146	
3B / 90	5699.4	4805.8	10 liter	40.3 min	36.460	49.495	155	10 l chamber contained 13.5 l fluid : Oil GOR : 62.4 cc/cc 4 l Chamber no. 1956XA - 152662 Sendt to lab for analysis.
			4 liter	10.6 min	35.650	49.537	155	
3C / 97	5279.3	4402.7	10 liter	235 min	36.300	49.770	147	10 l chamber contained 10 l fluid : water 4 l chamber contained 3.8 l fluid: water. GWR : 0.53 cc/cc
			4 liter	50 min	34.600	49.740	148	

Table 3.3.4

3.4.2 Production data

PRODUCTION DATA FOR TEST 1A

Flow, choke size		WHP kPa	WHT °C	Oil rate Sm^3/d	Gas rate $10^3*Sm^3/d$	GOR Sm^3/Sm^3	H_2S ppm	CO_2 %	Oil density g/cc / °C	gas density (air=1)
Cleanup no.1 ($^{261095}/_{12:00}$)	52/64"	13824	28	1027	423	412	13	6	0.810 / 23	0.79
Cleanup no.2 ($^{271095}/_{02:30}$)	"	13128	36	1076	440	409	12	6	0.818 / 20	0.79
($^{271095}/_{13:00}$)	63/64"$_e$*	11487	40	1055	430	408	15	6	0.811 / 20	0.79
Cleanup no.3 ($^{281095}/_{00:30}$)	118/64"$_e$	7250	42	1263	516	408	20	6	0.810 / 17	0.79
Cleanup no.4 ($^{281095}/_{10:00}$)	"	7370	46	1146	523	456	n.a.	n.a.	n.a.	
Surface sampling flow no.1 ($^{291095}/_{20:00}$)	48/64"	12990	35	877	509	447	15	6	0.808 / 22	0.785
Bottom hole sampling flow no.1 ($^{301095}/_{04:00}$)	16/64"	26065	13	184	101	549	n.a.	n.a.	0.847 / 15.6	0.760
Bottom hole sampling flow no.2 ($^{301095}/_{12:00}$)	"	25850	11	Man. calc : 136	n.a.	n.a.	n.a.	n.a.	n.a.	n.a
($^{301095}/_{13:00}$)	24/64"	23890	18	n.a. **	n.a.	n.a.	n.a.	n.a.	n.a.	n.a
Surface sampling flow no.2 ($^{301095}/_{23:00}$)	52/64"	13405	35	917	460	501	11	7	0.810 / 15.6	0.755
($^{311095}/_{04:00}$)	32/64"	21013	29	541	292	540	15,00	7,00	0.835 / 15.6	0.77

e : Equivalent effective choke size.
* : Choke size probably not representative due to plugging.
** : Heater failed, gass/oil temp < 0, Separator bypassed.

PRODUCTION DATA FOR TEST 1B

CLEAN-UP FLOW NO. 2

DATE	TIME	WHP kPa	WHT °C	QILQ m^3/d	GASQ m^3/d	GOR m^3/m^3	Choke mm	Used MF
09.11.95	12:30	18298	17.4	761			9.53 A	0.791 A
09.11.95	13:30	16833	22.0	976			17.46 A	0.791 A
	14:30	16616	24.9	963	426006	442		
	16:00	16954	27.6	983	432042	440		
	17:00	18530	28.1	905	400323	443		
09.11.95	18:00	20038	26.4	799	361974	453	14.29 A	0.791 A
	21:00	20047	27.5	795	364379	458		
09.11.95	22:00	18586	30.6	807	406839	504	15.87 A	0.791 A
09.11.95	23:30	17589	33.3	878	440287	501	17.46 A	0.791 A
10.11.95	01:00	15856	36.3	910.5	467311	513	17.46 A + 7.94B	0.791 A 0.874 B
10.11.95	03:00	14212	40.5	1013	520596	514	17.46 A	0.791 A
	03:45	12685	42.2	1053	518649	518	+ 12.7 B 21.59A+B	0.874 B

CLEAN-UP FLOW NO. 3

DATE	TIME	WHP kPa	WHT °C	QILQ m^3/d	GASQ m^3/d	GOR m^3/m^3	Choke mm	Used MF
10.11.95	06:00	11703	43.0				17.46 A	0.791 A
	08:00	11923	45.2	1159	576930	498	19.05 B	0.874 B
	10:00	11801	46.5	1150	570764	497	25.84 A+B	
	12:00	11785	47.6	1147	566108	494		
	15:00	11763	48.8	1151	571487	497		
10.11.95	17:00	10354	50.0	1192	599304	503	20.63 A	0.791 A
	19:00	10629	50.9	1220	610629	500	19.05 B 28.09 A+B	0.874 B
10.11.95	22:00	7938,00	51.8	1234,00	635610	515	25.4 A 23.81 B 34.82 A+B	0.791 A 0.874 B
11.11.95	00:00	7323	51.1	1246	642190	515	25.4 A	0.791 A
	03:00	7323	53.4	1235	641608	519	28.58 B	0.874 B
	07:00	7164	52.3	1206	633564	525	38.23 A+B	
	12:00	7209	54.1	1216	645374	531		
	18:00	7446	57.1	1242	666370	536		
12.11.95	00:00	7485	57.3	1236	670852	543		

MAIN FLOW NO. 2

DATE	TIME	WHP kPa	WHT °C	QILQ m3/d	GASQ m3/d	GORm m3/m3	Choke mm	Used MF
11.11.95	18:00	7746	57.1	1110	666300	600	25.4 A	0.714 A
12.11.95	00:00	7485	57.3	1109	670800	605	28.58 B	0.828 B
							38.24 A+B	
12.11.95	20:00	7520	41.2	1147	651849	568	25.4 A	0.753 A
13.11.95	00:00	7654	47.6	1146	662934	578	25.4 B	0.819 B
	12:00	7688	49.4	1125	663440	590	35.92 A+B	
	18:00	7672	49.9	1126	658585	585		

SAMPLING FLOW NO. 1 AND 2

DATE	TIME	WHP kPa	WHT °C	QILQ m3/d	GASQ m3/d	GORm m3/m3	Choke mm	Used MF
13.11.95	22:00	23300	27.2	537	338783	631	12.7 A	0.753 A
14.11.95	02:00	23236	25.9	548	342381	625		
14.11.95	04:00	14534	40.5	995	562556	566	22.23 A	0.753 A
	06:00	14577	42.6	971	575780	593		
	09:00	14614	43.7	971	571340	588		
	12:00	14619	45.0	966	529934	549		

MAIN FLOW NO. 3

DATE	TIME	WHP kPa	WHT °C	QILQ m3/d	GASQ m3/d	GORm m3/m3	Choke mm	Used MF
14.11.95	16:00	6652	48.9	1124	676346	602	25.4 A	0.734 A
	18:00	6668	48.7	1122	667107	595	38.10 B	0.816 B
	21:00	6677	49.7	1120	670652	599	45.79 A+B	
15.11.95	00:00	6209	51.1	1133	674683	595	35.90 A	0.734 A
	12:00	6029	46.9	1101	645100	586	38.10 B	0.816 B
	20:00	6039	47.6	1106	644200	583	52.36 A+B	
16.11.95	00:00	6015	47.5	1099	642800	585		
	06:00	6119	48.6	1129	662250	586		
	12.00	5946	47.7	1092	641600	587		
	18:00	6047	48.8	1108	643400	580		
17.11.95	00:00	6041	48.3	1113	636900	572		
	06:00	6121	50.7	1111	538610	485		

MAIN FLOW NO. 5

DATE	TIME	WHP kPa	WHT °C	QILQ m3/d	GASQ m3/d	GORm m3/m3	Choke mm	Used MF
21.11.95	14:00	6076	44.0	1151	666000	578	52.36 A+B	0.732 A
22.11.95	00:00	6076	46.5	1121	659600	589		0.835 B
	12:00	6109	48.4	1130	666600	590		
23.11.95	00:00	6124	50.9	1117	664300	595		
	12.00	6116	49.2	1126	666600	592		
24.11.95	00:00	6084	49.9	1117	666200	597		
	12:00	6159	51.3	1127	676300	600		
25.11.95	00:00	6139	48.0	1124	678100	603		
	12:00	6150	47.9	1139	679700	597		
26.11.95	00:00	6173	48.5	1142	677000	593		
	12:00	6203	51.9	1134	680600	600		
27.11.95	00:00	6250	53.2	1130	684000	605		
	12:00	6264	57.0	1115	680500	610		
28.11.95	00:00	6207	57.4	1095	676100	618		

FINAL SAMPLING FLOW

DATE	TIME	WHP kPa	WHT °C	QILQ m3/d	GASQ m3/d	GORm m3/m3	GASPA kPa	GASTA °C	Choke mm	Used MF
28.11.95	15:00	21197	35.1	669	391540,00	585,00	3843,00	56.9	14.29 A	0.770 A

3.4.4 Surface Sampling

PVT SET No.	FLUID	BOTTLE No.	DATE	TIME START	TIME STOP
TEST 1A					
1,00	OIL	814691	28.10.95	06:35	07:06
1,00	2 x GAS	50215 / 50316	28.10.95	06:35	07:05
	2 x OIL	50172 / 50023	28.10.95	09:15	09:25
	2 x OIL	50385 / 50295	28.10.95	09:58	10:08
	2 x OIL	50179 / 50319	28.10.95	10:48	10:58
Geochemical.	GAS	23	28.10.95	08:25	08:26
2,00	OIL	20562	29.10.95	15:45	16:15
2,00	2 x GAS	50015 / 50168	29.10.95	15:45	16:15
3,00	OIL	20549	29.10.95	18:35	19:05
3,00	2 x GAS	50007 / 50150	29.10.95	18:35	19:05
ISOKIN. 1	2 x GAS	50309 / 50170	29.10.95	19:34	20:00
	2 x OIL	50174 / 50178	29.10.95	19:40	19:50
	2 x OIL	50356 / 50223	29.10.95	20:07	20:17
4,00	OIL	20561	31.10.95	03:41	04:10
4,00	2 x GAS	50162 / 50096	31.10.95	03:40	04:10
ISOKIN. 2	2 x GAS	50188 / 50389	31.10.95	04:33	04:58
Geochemical	GAS	25	31.10.95	05:15	05:16
TEST 1B					
5,00	OIL	20553	13.11.95	23:00	23:39
5,00	GAS	50362	13.11.95	23:05	23:45
5,00	GAS	50304	13.11.95	23:05	23:45
ISOKIN. 3	GAS	50472	14.11.95	00:23	00:52
SEP. OIL	OIL	50357	14.11.95	01:14	01:18
SEP. OIL	OI	50469	14.11.95	01:24	01:29
6,00	OIL	20543	14.11.95	08:27	09:08
6,00	GAS	50074	14.11.95	08:28	09:07
6,00	GAS	50040	14.11.95	08:28	09:07
ISOKIN. 4	GAS	50336	14.11.95	09:55	10:20
SEP. OIL	OIL	50315	14.11.95	10:23	10:33
SEP. OIL	OIL	50153	14.11.95	10:35	10:45
7,00	OIL	20566	28.11.95	14:21	14:51
7,00	GAS	50032	28.11.95	14:22	14:56
7,00	GAS	50032	28.11.95	14:22	14:56
ISOKIN. 5	GAS	50186	28.11.95	14:13	14:50
SEP. OIL	OIL	50349	28.11.95	14:24	14:34
SEP. OIL	OIL	50149	28.11.95	14:36	14:46

DEAD OIL SAMPLES

TEST 1A

Additonal samples taken from separator A.

6 * 1l plastic bottles with dead oil
2 * 1l plastic bottles with water
12 * 10l plastic cans with dead oil
6 * 18l plastic cans with dead oil.

Additonal samples taken from separator B.

3 * 18l plastic cans with dead oil.

1000 l drained from sep. B to SWIRE tank. (THSR 1089)
2000 l drained from surgetank to SWIRE tank (THSR 1095)
Both tanks sent to Norsk Hydro Porsgrunn

TEST 1B

Produced oil shipped to Mongstad with Crystal Sea.

4.9 Drilling fluid summary

Anchor Drilling Fluids

Well: 6506/12-10

Operator: Statoil

TOTAL MATERIAL COST AND CONSUMPTION

Rig: Ross Rig

Product	Unit size	Unit price NOK	36" sect.	Cost NOK	26" sect.	Cost NOK	22" sect.	Cost NOK	17 1/2" sect.	Cost NOK	12 1/4"	Cost NOK	8 3/8"	Cost NOK	Total consumed	Total cost NOK
Barite	M.T	708,68	69,00	48 898,92	447	316 779,96	30	21 260,40	774	548 518,32	453	321 032,04	311	220 399,48	2084	1 476 889,12
Bentonite	M.T.	1 799,85	13,00	23 398,05	66	118 790,10	42	75 593,70	3	5 399,55					124	223 181,40
Bentonite	kg	2,92											1700	4 964,00	1700	4 964,00
CMC EHV	kg	13,82	100	1 382,00	2025	27 985,50	2550	35 241,00	275	3 800,50					4950	68 409,00
Lampac EX LO	kg	30,49							11125	339 201,25					11125	339 201,25
KCL brine	m3	518,70							461	239 120,70					461	239 120,70
KCL powder	kg	1,71							19000	32 490,00					19000	32 490,00
Rhodopol 23 P	kg	79,05							1925	152 171,25					1925	152 171,25
Soda ash	kg	2,92	100	292,00	1075	3 139,00	450	1 314,00	1850	5 402,00	25	73,00	125	365,00	3625	10 585,00
Sodium Bicarbonate	kg	3,73					650	2 424,50	850	3 170,50					1500	5 595,00
Citric Acid	kg	15,42					675	10 408,50	275	4 240,50					950	14 649,00
Lime	kg	2,02	80	161,60	60	121,20	60	121,20			4420	8 928,40	7640	15 432,80	12260	24 765,20
Ancocide	kg															
Anco Deloamer WB	kg	11,3							100	1 130,00					100	1 130,00
Anco 208	m3	17405,85							32	556 987,20					32	556 987,20
Anco 2000 mud	m3	700,00							343	240 100,00					343	240 100,00
Wallnut Fine	kg															
Wallnut Coarse	kg															
Safemul PE	kg	8,26									8100	66 906,00			8100	66 906,00
Safemul SE	kg	18,05									5940	107 217,00			5940	107 217,00
Safemul OW	kg	11,90									728	8 663,20			728	8 663,20
Safemul Mod	kg	31,26									1980	61 894,80			1980	61 894,80
Safemul Vis	kg	12,60									11000	138 600,00			11000	138 600,00
CaCl2	kg	2,63											2800	7 364,00	2800	7 364,00
CaCl2 Brine	m3	941,09											19	17 880,71	19	17 880,71
Soltex	kg	17,15									3629	62 237,35			3629	62 237,35
Baseoil SN-91	m3	2 946,86									217	639 468,62	342	1 007 826,12	559	1 647 294,74
Safemul mud	m3	2 500,00									-169	-422 500,00	-511	-1 277 500,00	-680	-1 700 000,00
Bentonitt	kg	2,92							800	2 336,00					800	2 336,00
Anco Vert P	kg	33,00									1710	56 430,00	10810	356 730,00	12520	413 160,00
Anco Vert S	kg	33,25									760	25 270,00	3800	126 350,00	4560	151 620,00
Anco Vert VIS	kg	31,29											11125	348 101,25	11125	348 101,25
Anco Vert F	kg	27,9											6045	168 655,50	6045	168 655,50
Total cost	NOK			74 132,57		466 815,76		148 363,30		2 134 067,77		1 074 220,41		996 568,86		4 892 168,67
Hole drilled	m			62		193		1038		1193		1767		535		4788
Cost per metre	NOK			1 195,69		2 418,73		141,01		1 788,82		607,93		1 862,75		1 021,76
Total days				3		5		7		15		11		26		67
Cost per day	NOK			24 710,86		93 363,15		20 909,04		142 271,18		97 656,40		38 329,57		73 017,44
Mud mixed	m3			210		996		1 393		811		332		505		4247
Cost per m3	NOK			353,01		468,69		105,07		2 631,40		3 235,60		1 973,40		1 151,91