

# NORSK PETROLEUM SERVICES A/S

OPERATING AREA Statoil 30/6-5

OPERATOR Statoil

WELL NAME/No. 30/6-5

CONTRACTOR Odfjell Drilling and Consulting Co.

RIG Deep Sea Saga

BAROID ENGINEERS Ruffing, Tattersfield, Dunsire, Sheppard

T.D. 3550 m

HOLE SIZE	CASING SIZE	CASING SET AT	MUD TYPE	MUD COST	DRILLING DAYS
36"	30"	242 m	Spud Mud	\$ 8,516.80	1/2
26"	20"	951 m	Spud Mud	\$64,160.72	1 1/2
17 1/2"	13 3/8"	1801 m	Gyp/Polymer	\$80,402.56	6
12 1/4"	9 5/8"	2789 m	Gel/ Lignosulfonate	\$59,213.15	12
8 1/2"	7"	3548 m	Gel/ Lignosulfonate	\$28,058.16	19

# NORSK PETROLEUM SERVICES A/S.

OPERATING AREA Statoil 30/6-5

## TOTAL MATERIAL CONSUMPTION

MATERIAL	PACKAGING	QUANTITY
WYO. BENTONITE	MT	164
AQUAGEL	100 lb.	404
SODA ASH	50 kg.	75
SOD. BICARBONATE	50 kg.	54
CAUSTIC SODA	25 kg.	642
LIME	40 kg.	15
GYP SUM	40 kg.	588
HPD POLYMER	25 kg.	88
CMC (LV)	25 kg.	368
XC POLYMER	50 lb.	54
DEXTRID	50 lb.	558
STAFLO	25 kg.	26
Q-BROXIN	25 kg.	823
CC-16	50 lb.	81
CON DET	55 gal.	7
TORQ TRIM	55 gal.	18
SURFLO W-300	55 gal.	25 gal.
ALUM. STEARATE	25 kg.	9
WALLNUT	25 kg.	237
MICA	25 kg.	208
BARITE	MT	623

# NORSK PETROLEUM SERVICES A/S.

OPERATING AREA Statoil 30/6-5

## MATERIALS USED PER CASING INTERVAL

30" CASING, set at 242 m

MATERIALS	UNITS	ESTIMATED		ACTUAL	
		QUANTITY	COST \$	QUANTITY	COST \$
WYO.. BENT.	MT	13	4,105.79	26	7,670.00
CAUSTIC SODA	25 kg	15	258.45	22	379.06
LIME	40 kg	17	174.42	4	41.04
SODA ASH	50 kg	5	86.20	5	86.20
BARYTE	MT	5	582.50	3	340.50
TOTAL COST			5,207.36		8,516.80
COST PER DAY		2	2,603.68	2	4,258.40
COST PER BARREL		1505	3.46	1415	6.02
COST PER BBL/DAY			1.73		3.01
COST PER METER		73	71.33	61	139.62

# NORSK PETROLEUM SERVICES A/S.

OPERATING AREA Statoil 30/6-5

## MATERIALS USED PER CASING INTERVAL

20" CASING, set at 951 m

MATERIALS	UNITS	ESTIMATED		ACTUAL	
		QUANTITY	COST \$	QUANTITY	COST \$
WYO. BENT.	MT	106	33,477.98	104	30,680.00
CAUSTIC SODA	25 kg	138	2,377.74	109	1,878.07
LIME	40 kg	70	718.20	10	102.60
Q-BROXIN	25 kg	25	442.00		
SODA ASH	50 kg	15	258.60	28	482.72
HPD POLYMER	25 kg			52	3,257.28
WALLNUT	25 kg			227	3,307.39
MICA	25 kg			208	3,228.16
BARYTE	MT	28	3,262.00	187	21,224.50
TOTAL COST			40,536.52		64,160.72
COST PER DAY		10	4,053.79	8	8,020.09
COST PER BARREL		6110	6.63	14335	4.47
COST PER BBL/METER			0.66		0.56
COST PER METER		709	57.18	709	90.49

# NORSK PETROLEUM SERVICES A/S.

OPERATING AREA Statoil 30/6-5

## MATERIALS USED PER CASING INTERVAL

17 1/2" HOLE

MATERIALS	UNITS	ESTIMATED		ACTUAL	
		QUANTITY	COST \$	QUANTITY	COST \$
WYO. BENT.	MT	36	11,369.88	18	5,310.00
CAUSTIC SODA	25 kg	195	3,359.85	196	3,377.08
SODA ASH	50 kg	20	344.80	5	86.20
DEXTRID	50 lb	430	17,079.60	419	16,642.68
CMC LV	25 kg	100	4,992.00	91	4,542.72
XC POLYMER	50 lb	30	8,068.50	50	13,447.50
GYPSUM	40 kg	490	5,708.50	588	6,850.20
Q-BROXIN	25 kg	195	3,447.60	223	3,757.55
CON DET	55 gal			7	2,032.80
STAFLO	25 kg			17	2,407.88
WALLNUT F	25 kg			10	145.70
LIME	40 kg			1	10.25
BARITE	MT	270	31,455.00	192	21,792.00
TOTAL COST			85,825.73		80,402.56
COST PER DAY		14	6,130.41	10.5	7,657.39
COST PER BARREL		5370	15.98	3980	20.20
COST PER BBL/DAY			1.14		1.92
COST PER METER		860	99.80	860	93.49

# NORSK PETROLEUM SERVICES A/S.

OPERATING AREA Statoil 30/6-5

## MATERIALS USED PER CASING INTERVAL

9 5/8" CASING, set at 2789 m

MATERIALS	UNITS	ESTIMATED		ACTUAL	
		QUANTITY	COST \$	QUANTITY	COST \$
BARITE	MT	255	29,707.50	165	18,727.50
WYO. BENT.	MT	37	11,685.71	16	4,720.00
CAUSTIC SODA	25 kg	240	4,135.20	205	3,532.15
SODA ASH	50 kg	10	172.40	20	344.80
Q-BROXIN	25 kg	480	8,486.40	338	5,695.30
CMC LV	25 kg	105	5,241.60	164	8,186.88
DEXTRID	50 lb	210	8,341.20	139	5,521.08
SOD. BICARB.	50 kg			25	466.75
AQUAGEL	100 lb			17	234.60
STAFLO	25 kg			6	849.84
AL. STEAR.	25 kg			3	186.30
SURFLO W-300	55 gal			25 gal	271.05
TORQ TRIM	55 gal			18	10,476.90
TOTAL COST			67,770.01		59,213.15
COST PER DAY		28	2,420.36	15	3,947.54
COST PER BARREL		2655	25.52	3570	16.59
COST PER BBL/DAY			0.91		1.11
COST PER METER		1000	67.77	988	59.93

# NORSK PETROLEUM SERVICES A/S.

OPERATING AREA Statoil 30/6-5

## MATERIALS USED PER CASING INTERVAL

7" LINER, set at 3548 m

MATERIALS	UNITS	ESTIMATED		ACTUAL	
		QUANTITY	COST \$	QUANTITY	COST \$
WYO. BENT.	MT	22	6,948.26		
CAUSTIC SODA	25 kg	128	2,205.44	106	1,826.38
AQUAGEL	100 lb			387	5,340.60
SODA ASH	50 kg	15	258.60	7	120.68
Q-BROXIN	25 kg	210	3,712.80	143	2,409.55
CC-16	50 lb	210	3,746.40	65	1,159.60
CMC LV	25 kg	90	4,492.80	113	5,640.96
HPD POLYMER	25 kg	30	1,879.20	36	2,255.04
SOD. BICARB.	50 kg			9	168.03
ALUM. STEAR.	25 kg			6	372.60
STAFLO	25 kg			3	424.92
BARAZAN	50 lb			4	1,075.80
BARITE	MT	73	8,504.50	64	7,264.00
TOTAL COST			31,748.00		28,058.16
COST PER DAY		24	1,322.83	26	1,079.16
COST PER BARREL		1925	16.49	2045	13.72
COST PER BBL/DAY			0.69		0.53
COST PER METER		850	37.35	745	37.66





WELL NAME: Statoil 0/6-5

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-O-SITY	FILTRATE		HT/HP filt		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER														
				ccs	Cake	°500psi	PV		YP	10"	10'	Cl	Ca	Pf	Mf	Vf	Oil	Water	Corr. Solids	PPB		SD	EX	GYP	VT											
																										1"/32/	1"/32/	cp	lbs/100ft <sup>2</sup>	mg/	ppm	%	%	%	Bent. Eq.	%
1981	metres	SG	secs	ccs																																
23/6	1123	1.09	50	4.8	1			9.0	11	16	6	5	12500	1160	.05	.25	2.9		93	7	13	1/4	5	2.8												
	1150	1.10	47	4.8	1			9.2	10	16	15	18	12500	1120	.1	.3	2.8		92	8	13	1/4	5	2.6												
	1235	1.10	48	5.2	1			8.9	10	17	5	17	13000	1200	.05	.25	3.0		92	8	16	1/4	4.6	2.5												
	Pit	1.10	65	5.1	1			9.8	12	18	15	38	12000	1160	.1	.3	2.8		92	8	15	1/2	5.9	2.9												
24/6	1390	1.12	106	5.7	1			9.8	17	26	25	55	13000	1080	.1	.3	2.7		89	11	22	1/2	4.6	2.4												
	Pit	1.12	61	6.2	1			9.9	13	24	16	32	14000	1160	.1	.25	2.9		88	12	18	1/4	5	2.6												
	1480	1.12	75	6.4	1			10.0	15	23	25	30	14000	1080	.2	.3	2.7		89	11	17.5	1/2	4.9	2.6												
25/6	Pit	1.15	61	6.3	1			9.8	13	21	16	27	14000	1020	.15	.3	2.55		86	14	22	1/4	4.2	2.2												
	1584	1.15	73	5.8	1			9.5	10	34	47	47	13000	880	.15	.35	2.2		84	16	22	TR	5.0	2.5												
	1591	1.17	73	6.2	1			9.7	13	31	43	49	13000	1000	.15	.35	2.5		82	18	27	3/8	5.2	2.6												
	1637	1.25	52	4.4	1			9.3	15	16	10	26	17000	1040	.1	.3	2.6		82	18	23	TR	3.5	1.9												
26/8	1673	1.25	62	5.6	1			9.6	11	26	16	34	14500	1080	.1	.4	2.7		86	14	30	TR	3.9	2.1												
	1689	1.26	53	5.0	1			9.3	12	18	13	38	14500	1120	.1	.3	2.5		84	16	30	TR	3.6	2.0												
	1704	1.25	66	5.2	1			9.2	15	21	25	29	14000	1120	.1	.45	2.8		81	19	33	1/2	3.4	1.9												
	1744	1.25	48	5.7	1			9.6	11	18	12	20	15000	1040	.1	.4	2.6		84	16	30	TR	3.7	2.0												
27/6	1748	1.30	56	5.4	1			9.4	14	18	12	30	14500	1160	.15	.4	2.9		84	16	30	TR	4.3	2.3												
	1815	1.30	52	5.5	1			9.4	14	19	13	46	15000	1200	.15	.5	3.0		85	15	35	TR	3.3	1.9												
	1815	1.31	56	5.2	1			9.4	16	18	18	53	16000	1240	.1	.55	3.1		84	16	33	TR	3.6	2.0												
28/6	Pit	1.30	51	5.6	1			9.4	13	19	11	58	16000	1160	.15	.5	2.9		84	16	35	TR	3.3	1.9												

WELL NAME: Statoil 0/6-5

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISCOSITY	FILTRATE		HT/HP filt		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER				
				ccs	Cake 1"/32'	°500psi ccs	1"/32'		PV	YP	10"	10'	Cl	Ca	Pf	Mf	Vf	Oil	Water	Corr. Solids		PPB	SD	EX	GYP	Vt
1981	metres	SG	secs	ccs	1"/32'	°500psi	1"/32'		cp	lbs/100ft <sup>2</sup>			mg/	ppm			%	%	%	Bent. Eq.	%	ppb				
	1815	1.38	74	5.6	2			9.4	17	24	15	40	15500	1240	.15	.5	3.1	0	80	20	37	1/4	3.4	2.0		
	Pit	1.38	64	5.2	2			9.3	17	18	17	64	16000	1120	.15	.6	2.8	0	81	19	37	TR	3.4	1.9		
29/6	1815	1.38	58	5.6	2			9.4	16	19	12	30	16000	1120	.15	.55	2.9	0	81	19	37	TR	3.8	2.1		
	1815	1.38	74	6.5	2			9.4	19	25	17	40	15500	1240	.15	.55	3.1	0	81	19	35	TR	3.0	1.8		
	Pit	1.40	64	5.5	2			9.2	18	13	12	39	16000	1120	.1	.63	2.8	0	82	18	37	TR	3.1	2.8		
30/6	Pit	1.38	52	5.7	2			9.4	15	14	8	30	16000	1120	.15	.6	2.8	0	81	19	37	TR	3.8	2.1		
	Pit	1.39	53	6.3	2			10.4	13	16	13	65	16000	1080	.25	.75	2.7	0	81	19	35	TR	3.2	1.8		
1/7	1775	1.38	52	6.5	2	16.4	3	9.8	15	15	9	48	15500	840	.2	.7	2.1	0	83	17	37	TR	3.4	1.8		
	1776	1.38	59	6.7	2	17.4	3	9.8	17	18	13	62	15500	1000	.2	.7	2.5	0	82	18	37	TR	2.8	1.6		
	1847	1.38	59	6.3	2	16.8	3	10.5	17	20	9	42	16000	840	.2	.75	2.1	0	83	17	35	TR	2.3	1.35		
	1958	1.38	53	5.0	2	15.6	3	10.0	19	12	8	45	16000	1000	.2	.7	2.5	0	81	19	36	TR	1.9	1.2		
2/7	2002	1.38	53	5.6	2	14.4	3	10.1	17	9	4	30	16000	940	.25	.8	2.35	0	83	17	35	TR	1.1	.9		
	2005	1.38	79	5.7	2	15.2	3	9.8	21	18	6	37	16000	1080	.2	.9	2.7	0	83	17	35	TR	1.9	1.3		
	2083	1.38	54	6.3	2	16.8	3	10.6	16	14	6	32	16500	1000	.35	.8	2.5	0	82	18	35	TR	1.0	.9		
	2146	1.38	48	6.9	2	23.5	3	10.5	14	13	10	26	17500	880	.28	.78	2.2	0	82	18	30	TR	1.1	.8		
3/7	2184	1.38	55	6.1	2	15.6	3	10.3	15	13	4	28	17500	720	.25	.8	1.8	0	83	17	30	TR	.35	.5		
	2191	1.374	57	6.2	2	17.2	3	10.3	18	14	7	31	17500	720	.2	.7	1.8	0	83	17	32	TR	.6	.6		
	2209	1.38	53	5.9	2	14.8	3	10.4	16	13	5	28	17500	640	.3	.9	1.6	0	83	17	30	TR	.2	.4		
	2215	1.38	50	5.6	2	18.4	3	10.4	16	13	7	35	17500	640	.27	.82	1.6	0	83	17	32	TR	.5	.6		

WELL NAME: Statoil 00/6-5

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-O-SITY	FILTRATE		HT/HP filt		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER				
				ccs	Cake 1"/32'	ccs	°500psi 32'		PV	YP	10 <sup>v</sup>	10 <sup>'</sup>	Cl	Ca	Pf	Mf	Vf	Oil	Water	Corr. Solids		PPB	SD	EX	GYP	VT
4/7	2225	1.38	50	5.5	2	17.6	3	10.9	17	11	5	37	18000	480	.45	1.3	1.2	0	83	17	32	TR	.6	.5		
	2229	1.38	54	5.6	2	18.2	3	10.7	14	14	6	42	18000	480	.4	1.2	1.2	0	83	17	32	TR	.6	.5		
	2248	1.38	51	4.5	1	16.2	3	11.0	20	13	11	43	18500	380	.55	1.4	.95	0	83	17	32	TR	.5	.4		
	2279	1.38	48	3.5	1	14.6	2	11.2	17	13	6	25	19000	160	.8	1.4	.4	0	82	18	30	TR	.8	.4		
5/7	2287	1.39	46	4.0	1	14.8	2	10.8	17	12	2	13	18500	220	.5	1.4		0	84	16	30	TR				
	2307	1.38	52	4.1	1	16.0	2	10.4	19	13	3	26	18000	240	.3	1.3		0	84	16	32	TR				
	2323	1.38	53	3.6	1	16.4	2	10.0	19	12	4	23	18000	200	.3	.9		0	84	16	32	TR				
5/7	2307	1.38	52	4.1	1	16.0	2	10.4	19	13	3	26	18000	240	.2	1.3		0	84	16	32	TR				
	2323	1.38	53	3.6	1	16.4	2	10.0	19	12	4	23	18000	200	.3	.9		0	84	16	28	TR				
6/7	2327	1.38	54	3.7	1	15.2	2	10.1	20	16	3	27	18000	280	.3	1.3		0	83	17	32	TR				
	2337	1.37	55	4.1	1	16.2	2	10.0	19	14	2	17	18000	240	.2	1.1		0	83	17	32	TR				
	2384	1.38	53	3.4	1	14.4	2	9.7	19	13	3	24	18500	280	.2	1.2		0	83	17	32	TR				
	2425	1.38	51	3.7	1	14.2	2	9.8	15	13	4	21	19000	320	.28	.98		0	84	16	28	TR				
7/7	2436	1.38	52	3.4	1	14.8	2	9.6	16	13	2	17	18500	280	.15	1.0		0	83	17	30	TR				
	2444	1.39	56	4.1	1	16.2	2	9.6	16	14	2	22	18500	280	.15	1.1		0	83	17	30	TR				
	2475	1.38	51	3.9	1	15.2	2	9.8	18	12	3	23	18500	320	.2	1.1		0	83	17	30	TR				
	Pit	1.38	59	4.0	1	16.4	2	9.5	17	16	7	33	19000	480	.15	.7		0	83	17	27	TR				
8/7	Pit	1.38	58	4.1	1	17.0	3	9.4	17	17	4	28	18500	420	.15	1.0		0	83	17	30	TR				
	2547	1.42	49	3.8	1	16.8	2	9.8	16	16	6	26	19000	120	.34	.94		0	82	18	26	TR				



WELL NAME:

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-O-SITY	FILTRATE	HT/HP filt			pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER			
					ccs	° 500psi			PV	YP	10"	10'	Cl	Ca	Pf	Mf	Vf	Oil	Water	Corr. Solids		PPB	SD		
						1"/32/	ccs																1"/32/	cp	lbs/100ft <sup>2</sup>
1981	metres	SG	secs													%	%	%							
17/7	2808	1.25	47	6.3	1	18.6	2	10.9	15	10	2	10	18000	320	.55	1.6		0	85	15	22	TR			
	2836	1.24+	54	4.8	1	16.2	2	10.9	15	13	3	12	17000	320	.5	1.4		0	86	14	24	TR			
18/7	Pit	1.25	50	4.8	1	16.4	2	10.9	15	10	2	23	17000	300	.55	1.35		0	86	14	24	TR			
	Pit	1.25	52	4.7	1	16.4	2	11.0	15	11	2	20	16500	280	.45	1.3		0	86	14	24	TR			
19/7	Pit	1.25	53	5.0	1	16.5	2	10.9	16	10	2	19	15500	300	.45	1.4		0	86	14	24	TR			
	2865	1.25	54	4.8	1	16.2	2	10.8	17	11	3	19	15500	320	.4	1.2		0	86	14	24	TR			
	2871.5	1.30	53	4.7	1	16.0	2	10.8	18	12	3	27	15500	360	.5	1.4		0	84	16	23	1/8			
20/7	Pit	1.30	53	4.4	1	15.6	2	10.6	17	12	3	15	16000	280	.35	1.15		0	84	16	23	TR			
	Pit	1.30	54	4.6	1	15.8	2	10.7	18	12	3	21	16000	320	.35	1.3		0	85	15	24	TR			
21/7	Pit	1.30	53	4.5	1	15.4	2	10.6	18	12	3	19	16000	280	.35	1.3		0	85	15	25	TR			
	2909	1.30	53	4.6	1	15.8	2	10.4	18	11	2	17	16500	340	.35	1.35		0	85	15	25	1/8			
22/7	2911	1.31	54	4.8	1	16.2	2	10.3	18	10	2	14	16000	360	.3	1.3		0	84	16	24	TR			
	2917	1.31	56	5.0	1	16.4	2	10.4	17	9	2	10	16000	320	.35	1.3		0	84	16	24	1/8			
	2920	1.30+	56	4.8	1	15.2	2	10.3	18	10	2	8	16000	220	.3	1.4		0	84	16	25	TR			
23/7	Pit	1.30	59	4.5	1	14.8	2	10.9	21	11	3	22	16000	240	.6	1.6		0	83	17	25	TR			
	2949	1.30	58	4.4	1	14.8	2	10.1	19	10	2	9	16000	220	.4	1.6		0	84	16	27	TR			
24/7	Pit	1.30	58	4.5	1	14.6	2	10.1	19	11	2	18	16000	240	.3	1.4		0	84	16	27	TR			
	2960	1.30	53	4.6	1	14.8	2	9.6	17	9	1	5	16000	280	.25	1.3		0	86	14	25	TR			
25/7	2991	1.30	52	4.2	1	14.0	2	10.9	16	10	1	7	15000	200	.55	1.8		0	85	15	25	TR			

WELL NAME: Statoil 16-5

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC. OSITY	FILTRATE	HY/HP filt		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER							
					Cake	°500psi		PV	YP	10"	10'	Cl	Ca	Pf	Mf	Pm	Oil	Water	Corr. Solids		PPB	SD						
																						1" 32/	1" 32/	cp	lbs/100ft <sup>2</sup>	mg/	ppm	%
1981	metres	SG	secs	ccs																								
	3022	1.27	50	4.4	1	13.8	2	10.6	17	10	1	5	14500	200	.45	1.6		0	87	13	27	TR						
26/7	3053	1.25	52	4.1	1	14.4	2	10.1	16	14	3	17	14000	160	.4	1.4		0	87	13	25	TR						
	3058	1.25	55	4.2	1	14.6	2	10.2	17	15	4	19	14500	160	.45	1.5		0	87	13	25	TR						
	Pit	1.26	53	4.0	1	13.8	2	10.0	17	14	4	18	14000	200	.3	1.4		0	87	13	27	TR						
27/7	3017	1.25	50	4.4	1	14.0	2	9.6	15	13	3	17	14500	200	.2	1.2		0	87	13	27	TR						
	3027	1.25	56	4.8	1	14.8	2	9.6	17	12	4	18	14500	200	.2	1.2		0	87	13	27	TR						
	3165	1.25	51	4.5	1	15.0	2	9.8	17	13	3	9	14500	180	.25	1.2		0	88	12	25	TR						
28/7	Pit	1.26	51	4.5	1	14.8	2	9.7	17	12	3	10	15000	200	.25	1.1		0	87	13	25	TR						
	Pit	1.25	45	4.9	1	15.6	2	9.1	12	11	3	10	15000	280	.15	.9		0	88	12	25	TR						
29/7	Pit	1.26	54	4.8	1	15.4	2	9.0	15	14	4	25	15500	280	.1	.8		0	88	12	25	TR						
	3202	1.25	50	4.9	1	16.0	2	9.7	14	12	4	22	16500	200	.25	1.0		0	87	13	23	TR						
30/7	3257	1.25	52	4.5	1	15.6	2	10.2	17	13	3	22	16000	160	.25	1.3		0	88	12	25	TR						
	3262	1.25	59	4.9	1	16.8	2	10.2	17	14	4	28	15500	160	.3	1.2		0	88	12	25	TR						
	Pit	1.26	50	4.3	1	16.4	2	9.8	16	13	3	24	16000	160	.2	1.1		0	88	12	25	1/4						
31/7	3327	1.25	50	4.5	1	15.4	2	10.3	15	14	3	23	16500	140	.35	1.2		0	87	13	22	TR						
	3329	1.25	55	4.7	1	15.8	2	10.3	17	13	3	11	16000	160	.3	1.4		0	87	13	22	1/4						
	Pit	1.27	51	4.2	1	14.6	2	10.1	17	12	2	15	15000	160	.3	1.3		0	87	13	22	1/4						
1/8	3353	1.26	65	4.2	1	14.8	2	10.0	21	12	2	8	16000	120	.25	1.1		0	87	13	22	1/4						
	Pit	1.26	51	4.0	1	14.4	2	10.7	15	10	1	13	16000	120	.55	1.6		0	87	13	23	TR						







Well : 30-5

Tab.

Date : 28.07.81.

## PRETEST RECORDED DATA

Run No.: 1 (Brent sands)

Max rec. temp : 110°C

Test No.	Depth m	Log hydr.pr. before test psi	Cor.hydr.pr. before test psi (g/cc)	Draw down psi	Build up time sec	Log pretest pres. psi	Cor.pretest pres. psi (g/cc)	Log hydr.pr. after test psi	Cor hydr.pr. after test psi (g/cc)	Remarks Permeability
1	2843,5	5248	5234 (1,296)					5246	5232	Tight
2	2845,5	5249	5235 (1,295)	>4000	100	4678	4601 (1,139)	5248	5234	Very tight
3	2847,5	5253	5239 (1,295)	-	-	4792	4776 (1,181)	5244	5230	Seal failure
4	2852,3	5260	5246 (1,295)	-	-	-	-	5260	5246	Tight
5	2867,0	5289	5275 (1,296)	59	-	4608	4592 (1,128)	5284	5270	Fair
6	2871,2	5289	5275 (1,296)	28	-	4612	4596 (1,127)	5286	5272	Good
7	2874,5	5296	5282 (1,294)	6	-	4618	4602 (1,127)	5295	5281	Very good
8	2880,0	5306	5292 (1,294)	52	-	4622	4606 (1,126)	5304	5290	Fair
9	2885,0	5313	5299 (1,293)	22	-	4625	4609 (1,125)	5311	5297	Good
10	2889,0	5320	5306 (1,293)	27	-	4630	4614 (1,125)	5319	5305	Good
11	2896,0	5333	5319 (1,293)	105	-	4640	4624 (1,124)	5333	5319	Fair
12	2875,5	5336	5322 (1,293)	>2000	-	4643	4627 (1,124)	5335	5321	Poor
13	2897,5	5340	5326 (1,294)			4647	4631 (1,125)	5341	5327	Poor
14	2904	5351	5337 (1,293)			-	-	5394	5335	Tight
15	2906,8	5353	5339 (1,293)	1875	30	4657	4641 (1,124)	5351	5337	Poor
16	2912,0	5367	5353 (1,294)			-		5363	5349	Tight
17	2912,5	5363	5349 (1,293)			-	-	6360	5346	Tight
18	2915,5	5367	5353 (1,293)	256	-	4662	4646 (1,122)	5366	5352	Moderate
19	2923,0	5382	5368 (1,293)	87		4672	4656 (1,122)	5379	5365	Fair
20	2929,0	5391	5377 (1,293)	372		4680	4664 (1,121)	5389	5375	Moderate
21	2936,5	5404	5390 (1,292)	199		4690	4674 (1,121)	5402	5388	Moderate





RFT SAMPLING DATA

2 275 -2  
~ 325

Well: 30/6-5

Date: 28.07.81

Run no.: 1

Type of sample (segreg/separate): Segregated

Chamber sizes, lower: 2 3/4 gao

choke sizes: 4 x 0.020

upper: 1 gal

Filter type: Combo

Depth	m	2847.5
Log hydr.press. bef. setting	psi	5301
Log pretest pressure	psi	4619
Corrected pretest pressure	psi(g/cc)	4603 (1.128)
-----		
Lower Chamber:		Bled off on rig floor
Flowing time		1145 secs (11 min 5 sec)
minimum flow pressure	psi	390
log flowing pressure	psi	4585
log shut-in pressure	psi	4585
Surface opening pressure	psi	450
Recoveries, oil		4000 cc
filtrate		3000 cc    cl - 15500
gas		7.3 cuft
Comments		40-50 ppm H <sub>2</sub> S measured with Dräger sniffer.
-----		
Upper Chamber:		Sent to Statoil PVT lab.
Flowing time		95 secs
minimum flow pressure	psi	872
log flowing pressure	psi	4530
log shut-in pressure	psi	4617
Surface opening pressure	psi	700
Recoveries, oil		2750 cc (Dens. 0.834 g/cc)
filtrate		200 cc
gas		N.A.
Comments		6 ppm H <sub>2</sub> S (Oil MW: 206)
-----		
Log hydrostatic pressure after retracting	psi	5294
Max. recorded temp.	°C	110
-----		

Comments: 1 gal chamber opening pressure in Lab : 725 psi  
This pressure was thought too low and the chamber  
was bled off.

RFT SAMPLING DATA

Well: 30/6-5

Date: 06.08.81

Run no.: 2

Type of sample (segreg/separate): Segregated

Chamber sizes, lower: 2 3/4 gal  
upper: 1 gal

choke sizes: 4 x 0.020  
Filter type: Combo

Depth	m	2881
Log hydr.press. bef. setting	psi	5201
Log pretest pressure	psi	4627
Corrected pretest pressure	psi(g/cc)	4603 (1.125) ✓
-----		
Lower Chamber:		Bleed on rigg
Flowing time		521 secs (8 min 41 secs)
minimum flow pressure	psi	263
log flowing pressure	psi	4567
log shut-in pressure	psi	4567
Surface opening pressure	psi	300
Recoveries, oil		7000 cc
filtrate		500 cc
gas		
Comments	25 l gas bled through H <sub>2</sub> S detection equipment, no H <sub>2</sub> S seen, CO <sub>2</sub> : 0.8%	
-----		
Upper Chamber:		
Flowing time		230 secs (3 min 50 secs)
minimum flow pressure	psi	ca 800
log flowing pressure	psi	4457
log shut-in pressure	psi	4623
Surface opening pressure	psi	800
Recoveries, oil		2600 cc at atmospheric pressure
filtrate		traces
gas		550 cc transferred to a transport flask at 5000 psi for PVT analysis.
Comments		
-----		
Log hydrostatic pressure after retracting	psi	5196
Max. recorded temp.	°C	115
-----		

RFT SAMPLING DATA

Well: 30/6-5

Date: 06.08.81

Run no.: 3

Type of sample (segreg/separate): Separate

Chamber sizes, lower: 2 3/4 gal  
 upper: 2 3/4 gal

choke sizes: 4 x 0.020  
 Filter type: Combo

Depth	m	2874.5
Log hydr.press. bef. setting	psi	5191
Log pretest pressure	psi	4619
Corrected pretest pressure	psi(g/cc)	4595 (1.126)
-----		
Lower Chamber:		
Flowing time		507 sec (8min 27 sec)
minimum flow pressure	psi	203
log flowing pressure	psi	ca 4450
log shut-in pressure	psi	4619
Surface opening pressure	psi	800
Recoveries, oil		9000 cc
filtrate		traces
gas		350 l
Comments		H <sub>2</sub> S : 30 ppm CO <sub>2</sub> : 1%
-----		
Upper Chamber: (See separate form)		
Flowing time		
minimum flow pressure	psi	
log flowing pressure	psi	
log shut-in pressure	psi	
Surface opening pressure	psi	
Recoveries, oil		
filtrate		
gas		
Comments		
-----		
Log hydrostatic pressure		
after retracting	psi	5189
Max. recorded temp.	°C	115
-----		

RFT SAMPLING DATA

Well: 30/6-5

Date: 06.08.81

Run no.: 3

Type of sample (segreg/separate): Separate

Chamber sizes, lower: 2 3/4 gal

choke sizes: 4 x 0.020

upper: 2 3/4 gal

Filter type: Combo

Depth	m	2923
Log hydr.press. bef. setting	psi	5273
Log pretest pressure	psi	4676
Corrected pretest pressure	psi (g/cc)	4652 (1.121)
-----		
Lower Chamber: (See separate form)		
Flowing time		
minimum flow pressure	psi	
log flowing pressure	psi	
log shut-in pressure	psi	
Surface opening pressure	psi	
Recoveries, oil		
filtrate		
gas		
Comments		
-----		
Upper Chamber:		
Flowing time		780 sec (13 min)
minimum flow pressure	psi	72
log flowing pressure	psi	
log shut-in pressure	psi	150
Surface opening pressure	psi	0
Recoveries, oil		film of oil
filtrate		3700 cc (Cl <sup>-</sup> : 16000)
gas		
Comments		Negligible No H <sub>2</sub> S or CO <sub>2</sub> detected
-----		
Log hydrostatic pressure after retracting	psi	5273
Max. recorded temp.	°C	115
-----		

RFT SAMPLING DATA

Well: 30/6-5

Date: 07.08.81

Run no.: 4

Type of sample (segreg/separate): Segregated

Chamber sizes, lower: 2 3/4 gal

choke sizes: 4 x 0.020

upper: 1 gal

Filter type: Combo

Depth	m	2867.1
Log hydr.press. bef. setting	psi	5164
Log pretest pressure	psi	4607
Corrected pretest pressure	psi(g/cc)	4585 (1.126)
-----		
Lower Chamber:		
Flowing time		765 sec (12 min 45 sec)
minimum flow pressure	psi	196
log flowing pressure	psi	ca 4560
log shut-in pressure	psi	4598
Surface opening pressure	psi	0
Recoveries, oil		film of oil
filtrate		6100 cc (Cl <sup>-</sup> : 16000)
gas		
Comments		
-----		
Upper Chamber:		
Flowing time		282 sec (4 min 42 sec)
minimum flow pressure	psi	ca 1300
log flowing pressure	psi	4595
log shut-in pressure	psi	4600
Surface opening pressure	psi	0
Recoveries, oil		2.6 l mud with trace
filtrate		of oil
gas		
Comments		
-----		
Log hydrostatic pressure		Seal lost after possibly
after retracting	psi	25 secs.
Max. recorded temp.	°C	5156
		90.5
-----		



RFT SAMPLING DATA

Well: 30/6-5

Date: 06.08.81

Run no.: 3

Type of sample (segreg/separate): Separate

Chamber sizes, lower: 2 3/4 gal

choke sizes: 4 x 0.020

upper: 2 3/4 gal

Filter type: Combo

Depth	m	2923
Log hydr.press. bef. setting	psi	5273
Log pretest pressure	psi	4676
Corrected pretest pressure	psi(g/cc)	4652 (1.121)
-----		
Lower Chamber: (See separate form)		
Flowing time		
minimum flow pressure	psi	
log flowing pressure	psi	
log shut-in pressure	psi	
Surface opening pressure	psi	
Recoveries, oil		
filtrate		
gas		
Comments		
-----		
Upper Chamber:		
Flowing time		780 sec (13 min)
minimum flow pressure	psi	72
log flowing pressure	psi	
log shut-in pressure	psi	150
Surface opening pressure	psi	0
Recoveries, oil		film of oil
filtrate		3700 cc (Cl <sup>-</sup> : 16000)
gas		
Comments		Negligible No H <sub>2</sub> S or CO <sub>2</sub> detected
-----		
Log hydrostatic pressure after retracting	psi	5273
Max. recorded temp.	°C	115
-----		

RFT SAMPLING DATA

Well: 30/6-5

Date: 07.08.81

Run no.: 4

Type of sample (segreg/separate): Segregated

Chamber sizes, lower: 2 3/4 gal

choke sizes: 4 x 0.020

upper: 1 gal

Filter type: Combo

Depth	m	2867.1
Log hydr.press. bef. setting	psi	5164
Log pretest pressure	psi	4607
Corrected pretest pressure	psi(g/cc)	4585 (1.126)
-----		
Lower Chamber:		
Flowing time		765 sec (12 min 45 sec)
minimum flow pressure	psi	196
log flowing pressure	psi	ca 4560
log shut-in pressure	psi	4598
Surface opening pressure	psi	0
Recoveries, oil		film of oil
filtrate		6100 cc (Cl <sup>-</sup> : 16000)
gas		
Comments		
-----		
Upper Chamber:		
Flowing time		282 sec (4 min 42 sec)
minimum flow pressure	psi	ca 1300
log flowing pressure	psi	4595
log shut-in pressure	psi	4600
Surface opening pressure	psi	0
Recoveries, oil		2.6 l mud with trace
filtrate		of oil
gas		
Comments		
-----		
Log hydrostatic pressure		Seal lost after possibly
after retracting	psi	25 secs.
Max. recorded temp.	°C	5156
		90.5'
-----		

RFT SAMPLING DATA

Well: 30/6-5

Date: 08.08.81

Run no.: 5

Type of sample (segreg/separate): Segregated

Chamber sizes, lower: 2 3/4 gal

choke sizes: 4 x 0.020

upper: 2 3/4 gal

Filter type: Combo

Depth	m	2889
Log hydr.press. bef. setting	psi	5198
Log pretest pressure	psi	4626
Corrected pretest pressure	psi(g/cc)	4602 (1.122)
-----		
Lower Chamber:		
Flowing time		504 sec (8min 24 sec)
minimum flow pressure	psi	813
log flowing pressure	psi	4580
log shut-in pressure	psi	4620
Surface opening pressure	psi	800
Recoveries, oil		9000 cc, density 0.84 g/cc
filtrate		at 14°C
gas		trace
Comments		Gas checked for H <sub>2</sub> S, max concentration 12 ppm, CO <sub>2</sub> : 2%
-----		
Upper Chamber:		
Flowing time		515 secs (8 min 35 secs)
minimum flow pressure	psi	702
log flowing pressure	psi	4548
log shut-in pressure	psi	4614
Surface opening pressure	psi	800
Recoveries, oil		(Lab reports chamber to be 100% oil filled)
filtrate		
gas		N.A.
Comments		Sent Statoil lab for analysis
-----		
Log hydrostatic pressure after retracting	psi	5186
Max. recorded temp.	°C	90.5
-----		

Comments : The lab reports an opening pressure of 870 psi  
 Estimated bubble point : 2610-2756 psi  
 550 cc was transferred at 4350 psi to a storage flask  
 for later analysis.

RFT SAMPLING DATA

Well: 30/6-5

Date: 08.08.81

Run no.: 7

Type of sample (segreg/separate): Segregated

Chamber sizes, lower: 2 3/4 gal

choke sizes: 4 x 0.020

upper: 1 gal

Filter type: Combo

Depth	m	2874.5
Log hydr.press. bef. setting	psi	5190
Log pretest pressure	psi	4619
Corrected pretest pressure	psi (g/cc)	4595 (1.126)
-----		
Lower Chamber:		
Flowing time		493 sec (8 min 13 sec)
minimum flow pressure	psi	1734
log flowing pressure	psi	4450
log shut-in pressure	psi	4621
Surface opening pressure	psi	700
Recoveries, oil		9000 cc, density 0.85 g/cc
filtrate		traces at 14°C
gas		H <sub>2</sub> S : 30 ppm maximum
Comments		CO <sub>2</sub> : 3 %
-----		
Upper Chamber:		
Flowing time		260 sec (4 min 20 sec)
minimum flow pressure	psi	1140
log flowing pressure	psi	4482
log shut-in pressure	psi	4623
Surface opening pressure	psi	700
Recoveries, oil		500 cc oil transferred to
filtrate		transport flask after
gas		2 hours at 5000 psi.
Comments		Additional 2.5 l oil
		with trace of filtrate
		bled off after transfer.
-----		
Log hydrostatic pressure		
after retracting	psi	5186
Max. recorded temp.	°C	90.5
-----		

RFT SAMPLING DATA

Well: 30/6-5

Date: 08.08.81

Run no.: 6

Type of sample (segreg/separate): Segregated

Chamber sizes, lower: 2 3/4 gal

choke sizes: 4 x 0.020

upper: 1 gal

Filter type: Combo

Depth	m	2871.2
Log hydr.press. bef. setting	psi	5177
Log pretest pressure	psi	4617
Corrected pretest pressure	psi(g/cc)	4593 (1.126)
<hr/>		
Lower Chamber:		
Flowing time		755 secs(12 min 35 secs)
minimum flow pressure	psi	794
log flowing pressure	psi	plugging
log shut-in pressure	psi	794
Surface opening pressure	psi	0
Recoveries, oil		traces
filtrate		4000 cc
gas		negligible
Comments		
<hr/>		
Upper Chamber:		
Flowing time		181 sec (3 min 1 sec)
minimum flow pressure	psi	957
log flowing pressure	psi	4600
log shut-in pressure	psi	4618
Surface opening pressure	psi	0
Recoveries, oil		trace
filtrate		3600 cc
gas		negligible
Comments		
<hr/>		
Log hydrostatic pressure after retracting	psi	5180
Max. recorded temp.	°C	90.5
<hr/>		