

GEOCHEMICAL REPORT

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GEOCHEMICAL REPORT on NOCS WELL 6507/5-4

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REPORT NO./FILE

PAGE

1 of 1

**Geochemical Report on
NOCS Well 6507/5-4**

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Chapter 1

INTRODUCTION

1.1 General comments on 6507/5-4

This well is the third well on the Skarv structure. The section of the well from 1964 m to 3623 m was drilled with a KCl water-based mud system. There is evidence from Iatroscan analysis of mud samples that there are significant amounts of NSO (and aromatics) in the mud which has elevated the NSO content of the samples.

1.2 Analytical program

Based on the instructions from BPAmoco, the following analyses were carried out

<i>Analysis type</i>	<i>No. of samples</i>	<i>Table</i>
Rocks		
Headspace Gas Analysis	23	1
Washing of cuttings	22	-
Lithology Description ¹	61	2
TOC	4	2,3
Rock-Eval Pyrolysis	4	3
Iatroscan	2	7
Extraction	40	4a-e
Asphaltene separation	40	4a-e
MPLC separation	40	4a-e
Saturated hydrocarbon GC	40	5a-b
Aromatic hydrocarbon GC	40	6a-b
Quantitative saturated hydrocarbon GC-MS	20	8a-f
Quantitative aromatic hydrocarbon GC-MS	20	9a-e
$\delta^{13}\text{C}$ Bulk isotope composition	20	10a-b

Oils

<i>Analysis type</i>	<i>No. of samples</i>	<i>Table</i>
Whole oil GC	5	1a-c
Topping	5	2a-c
Asphaltene separation	5	2a-c
MPLC separation	5	2a-c
Saturated hydrocarbon GC	5	3a-b
Aromatic hydrocarbon GC	5	4a-b
Saturated hydrocarbon GC-MS	5	5a-f
Aromatic hydrocarbon GC-MS	5	6a-e
$\delta^{13}\text{C}$ Bulk isotope composition	5	7a-b

Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas
(μ l gas/kg rock)

Project: 6507/5-4

Well: 6507/5-4

Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
2690.00	1550	299	296	66	67	132	2279	729	32.0	0.99
2740.00	10938	1528	1002	157	167	102	13791	2853	20.7	0.94
2790.00	5628	1687	1965	375	577	556	10232	4604	45.0	0.65
2840.00	6679	2010	2211	463	748	795	12111	5432	44.9	0.62
2890.00	9146	1931	1399	245	399	408	13121	3975	30.3	0.61
2940.00	17015	3653	2548	431	731	792	24378	7363	30.2	0.59
2990.00	13859	3795	3046	496	904	1012	22100	8241	37.3	0.55
3040.00	6005	2153	2565	483	894	1141	12100	6094	50.4	0.54
3090.00	7664	2941	3921	781	1493	2017	16799	9136	54.4	0.52
3140.00	6945	2199	1862	304	615	822	11925	4980	41.8	0.50
3193.00	858	3515	3557	612	1124	1011	9666	8809	91.1	0.54
3240.00	17112	7818	6190	982	1799	1996	33902	16789	49.5	0.55
3290.00	2401	994	1338	229	426	702	5387	2986	55.4	0.54
3340.00	6803	2223	2627	395	722	1074	12771	5968	46.7	0.55
3390.00	1318	1716	1354	107	238	380	4732	3415	72.2	0.45
3440.00	20456	8412	6106	687	1272	1203	36933	16477	44.6	0.54
3490.00	3351	892	604	73	186	275	5106	1756	34.4	0.39
3553.00	9192	4563	5154	673	1667	1738	21249	12057	56.7	0.40
3590.00	6197	1801	1807	242	603	1147	10650	4453	41.8	0.40
3640.00	124	77	110	27	101	343	440	315	71.7	0.27
3690.00	3393	1167	902	158	473	1013	6093	2700	44.3	0.33
3760.00	3271	1304	1119	134	387	547	6215	2944	47.4	0.35
3799.00	8504	2536	1682	167	379	356	13268	4764	35.9	0.44

Table 2 : Lithology description for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2690.00						0001
			100	Sh/Clst: lt gy to drk gy, gn gy		0001-1L
				tr Ca : w, drk brn gy, dol		0001-2L
				tr Cont : prp, ns		0001-3L
2740.00						0002
			100	Sh/Clst: drk gy, lt gy to m gy, gn gy		0002-1L
				tr Ca : w, drk brn gy, dol		0002-2L
				tr Cont : prp, ns		0002-3L
2790.00						0003
			95	Sh/Clst: drk gy, lt gy to m gy, gn gy		0003-1L
				5 Ca : w to gy w, s, glauc, f		0003-2L
				tr Cont : prp, ns		0003-3L
2840.00						0004
			100	Sh/Clst: drk gy, lt gy to m gy, gn gy, slt		0004-1L
				tr Ca : w to gy w, s, glauc, f		0004-2L
				tr Cont : prp, ns		0004-3L
2890.00						0005
			95	Sh/Clst: drk gy, lt gy to m gy, gn gy, slt		0005-1L
				5 S/Sst : w to gy w, calc, glauc, f		0005-2L
				tr Cont : prp		0005-3L
2940.00						0006
			95	Sh/Clst: drk gy, lt gy to m gy, gn gy, slt		0006-1L
				5 S/Sst : w to gy w, calc, glauc, f		0006-2L
				tr Cont : prp		0006-3L
2990.00						0007
			95	Sh/Clst: drk gy, lt gy to m gy, gn gy,		0007-1L
				slt, s		
				5 S/Sst : lt gy to gy w, calc, slt, mic,		0007-2L
				glauc, f		
				tr Ca : gy w, m brn, dol		0007-3L

Table 2 : Lithology description for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3028.90	swc					0048
				70 S/Sst : gy w, calc, mic, glauc, cem		0048-1L
				30 Cont : dd		0048-2L
3040.00						0008
				85 Sh/Clst: drk gy, lt gy to m gy, gn gy, slt, s		0008-1L
				10 Cont : dd		0008-4L
				5 S/Sst : lt gy to gy w, calc, slt, mic, glauc, f		0008-2L
				tr Ca : gy w, m brn, dol		0008-3L
3046.80	swc					0049
	0.92	100		Sh/Clst: drk gy		0049-1L
3055.80	swc					0050
				90 S/Sst : gy w, calc, mic, glauc, cem		0050-1L
				10 Cont : dd		0050-2L
3056.90	swc					0051
				90 S/Sst : gy w, calc, mic, glauc, cem		0051-1L
				10 Cont : dd		0051-2L
3071.30	swc					0052
				85 S/Sst : gy w, calc, carb, mic, glauc, cem		0052-1L
				10 Cont : dd		0052-2L
				5 Sh/Clst: drk gy		0052-3L
3074.40	swc					0053
				90 S/Sst : gy w, calc, carb, mic, glauc, cem		0053-1L
				10 Cont : dd		0053-2L

Table 2 : Lithology description for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3089.90	swc					0054
				90 S/Sst : gy w, calc, carb, mic, glauc, cem		0054-1L
				10 Cont : dd		0054-2L
3090.00						0009
				90 S/Sst : lt gy to gy w, calc, slt, mic, glauc, f, crs, cem, l		0009-2L
				5 Sh/Clst: drk gy, lt gy to m gy, gn gy, slt, s		0009-1L
				5 Ca : gy w, m brn, dol		0009-3L
				tr Cont : dd		0009-4L
3101.70	swc					0055
				90 S/Sst : gy w to lt gy, calc, carb, mic, glauc, cem		0055-1L
				10 Cont : dd		0055-2L
				tr Sh/Clst: m gy		0055-3L
3111.00	swc					0056
	1.01		100	Sh/Clst: drk gy		0056-1L
3129.90	swc					0057
	1.24		100	Sh/Clst: drk gy		0057-1L
3136.00						0065
				70 Sh/Clst: m gy, slt		0065-1L
				10 Sltst : m gy, argill		0065-2L
				10 S/Sst : carb, mic, cem		0065-3L
				10 Ca : m y brn to pl y brn, gy w, dol, st		0065-4L
3140.00						0010
				80 Sh/Clst: drk gy, lt gy to m gy, gn gy, slt, s		0010-1L
				10 S/Sst : lt gy to gy w, calc, slt, mic, glauc, f, crs, cem, l		0010-2L
				10 Ca : gy w, m brn, dol		0010-3L
				tr Cont : dd		0010-4L

Table 2 : Lithology description for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3148.00						0066
				70 Sh/Clst: m gy, slt		0066-1L
				15 Sltst : m gy, argill		0066-2L
				10 Ca : m y brn to pl y brn, gy w, dol, st		0066-4L
				5 S/Sst : carb, mic, cem		0066-3L
3157.00						0067
				65 Sh/Clst: m gy, slt		0067-1L
				15 Sltst : m gy, argill		0067-2L
				10 S/Sst : carb, slt, argill, mic, glauc, cem		0067-3L
				10 Ca : m y brn to pl y brn, gy w, dol, st		0067-4L
3193.00						0011
				75 Sh/Clst: drk gy, lt gy to m gy, gn gy, slt, s		0011-1L
				10 S/Sst : lt gy to gy w, calc, slt, mic, glauc, f, crs, cem, l		0011-2L
				10 Ca : gy w, m brn, dol		0011-3L
				5 Cont : dd		0011-4L
3217.00						0068
				50 Sh/Clst: m gy to m drk gy, drk brn gy to brn blk, brn gy to brn pu, slt		0068-1L
				25 S/Sst : w, pl gn, gy w, calc, carb, mic, st		0068-3L
				15 Ca : m y brn to pl y brn, gy w, dol, st		0068-4L
				10 Sltst : m gy, argill		0068-2L
3225.10 swc						0058
				95 Sltst : lt gy, calc, carb, s, mic		0058-1L
				5 Cont : dd		0058-2L

Table 2 : Lithology description for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3238.00						0069
			40	Sh/Clst: m gy to m drk gy, drk brn gy to brn blk, brn gy to brn pu, slt		0069-1L
			40	S/Sst : w, pl gn, gy w, calc, carb, mic, st		0069-3L
			15	Ca : m y brn to pl y brn, gy w, dol, st		0069-4L
			5	Sltst : m gy, argill		0069-2L
3240.00						0012
			60	S/Sst : gy w to lt gy, calc, f, crs, cem, l		0012-1L
			25	Sh/Clst: drk brn gy to brn blk to blk		0012-3L
			15	Ca : or gy to gy w		0012-2L
3240.50	swc					0059
			100	Other : gy w to gy brn, calc, slt, s, kln, fe		0059-1L
3244.40	swc					0060
	4.51		100	Sh/Clst: drk gy to dsk y brn, pyr, lam, sil		0060-1L
3245.40	swc					0061
			100	S/Sst : w, calc, mic, glauc		0061-1L
3290.00						0013
			60	Sh/Clst: gy w to lt gy, calc, slt, s		0013-1L
			30	S/Sst : gy w to lt gy, calc, slt, argill		0013-3L
			10	Ca : or gy to pl y brn		0013-2L
3307.00						0070
			80	Sh/Clst: m gy to drk gy, slt, s		0070-1L
			15	Ca : m y brn to pl y brn, gy w, dol, st		0070-3L
			5	S/Sst : w, pl gn, gy w, calc, carb, slt, mic		0070-2L

Table 2 : Lithology description for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
3322.00						0071	
		90	Sh/Clst:	m gy to drk gy, brn gy to brn blk, slt, s		0071-1L	
		5	S/Sst	: w, pl gn, gy w, calc, carb, slt, mic		0071-2L	
		5	Ca	: m y brn to pl y brn, gy w, dol, st		0071-3L	
3340.00						0014	
		60	Sh/Clst:	m gy to drk gy, gn gy to drk gn gy, glauc		0014-1L	
		25	S/Sst	: gy w to lt gy, calc, slt, argill		0014-3L	
		15	Ca	: or gy to pl y brn		0014-2L	
3340.00						0072	
		90	Sh/Clst:	m gy to drk gy, brn gy to brn blk, slt, s		0072-1L	
		5	S/Sst	: w, pl gn, gy w, calc, carb, slt, mic		0072-2L	
		5	Ca	: m y brn to pl y brn, gy w, dol, st		0072-3L	
3390.00						0015	
		90	Sh/Clst:	dsk brn to dsk y brn, lt gy, slt, mic		0015-1L	
		5	Ca	: or gy to pl y brn		0015-2L	
		5	Cont.	: prp, dd		0015-3L	
3440.00						0016	
		80	Sh/Clst:	dsk brn to dsk y brn, lt gy, slt, mic		0016-1L	
		15	Ca	: or gy to pl y brn, s		0016-2L	
		5	Cont	: prp, dd		0016-3L	
3490.00						0017	
		60	Sh/Clst:	m gy to lt ol gy to ol gy		0017-1L	
		20	Slst	: gy w to brn gy, s		0017-3L	
		15	Sh/Clst:	drk gy, wx		0017-2L	
		5	Ca	: or gy to pl y brn		0017-4L	

Table 2 : Lithology description for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3515.10	ccp	100	S/Sst	: w to gy w, pyr, mic, cem		0018 0018-1L
3524.40	ccp	100	S/Sst	: w to gy w, mic, cem		0019 0019-1L
3532.20	ccp	100	S/Sst	: lt or, mic, st, cem		0020 0020-1L
3534.10	ccp	100	S/Sst	: lt or to m y brn, mic, st, cem		0021 0021-1L
3535.30	ccp	100	S/Sst	: lt or to m y brn, mic, st, cem		0022 0022-1L
3539.50	ccp	100	S/Sst	: lt or to m y brn, mic, st, cem		0023 0023-1L
3545.80	ccp	100	S/Sst	: lt or to m y brn, mic, st, cem		0024 0024-1L
3546.30	ccp	100	S/Sst	: lt or to m y brn, mic, st, cem		0025 0025-1L
3553.00		90	S/Sst	: lt or to m y brn, l		0026 0026-1L
		10	Cont	: prp, dd		0026-2L

Table 2 : Lithology description for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3557.50	ccp					0027
		100	S/Sst	: lt or to m y brn, mic, cem		0027-1L
3563.60	ccp					0028
		100	S/Sst	: lt or to m y brn, mic, cem		0028-1L
3568.30	ccp					0029
		100	S/Sst	: lt or to m y brn, mic, cem		0029-1L
3573.00	ccp					0030
		80	S/Sst	: lt or, mic, f, cem		0030-1L
		20	Sh/Clst:	brn gy to drk brn gy, mic		0030-2L
3573.70	ccp					0031
		95	S/Sst	: lt or, mic, f, cem		0031-1L
		5	Sh/Clst:	brn gy to drk brn gy, mic, lam		0031-2L
3581.00	ccp					0032
		95	S/Sst	: lt or, mic, f, cem		0032-1L
		5	Sh/Clst:	brn gy to drk brn gy, mic, lam		0032-2L
3584.00	ccp					0033
		95	S/Sst	: lt or, mic, f, cem		0033-1L
		5	Sh/Clst:	brn gy to drk brn gy, mic, lam		0033-2L
3590.00						0034
		100	Cont	: cem		0034-1L
3603.50	ccp					0035
		95	S/Sst	: lt or, mic, cem		0035-1L
		5	Sh/Clst:	brn gy to drk brn gy, mic,		0035-2L

Table 2 : Lithology description for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3609.35	ccp					0036
				95 S/Sst : lt or, mic, cem		0036-1L
				5 Sh/Clst: brn gy to drk brn gy, mic		0036-2L
3621.50	ccp					0037
				100 S/Sst : lt or, mic, cem		0037-1L
3640.00						0038
				40 Cont : cem, prp		0038-4L
				35 S/Sst : gy w, slt, mic, f		0038-1L
				20 Sh/Clst: drk gy to blk		0038-2L
				5 Ca : w, m brn, dol		0038-3L
3679.15	ccp					0039
				100 S/Sst : gy w to m y brn, crs		0039-1L
3684.95	ccp					0040
				100 S/Sst : gy w to m y brn, mic, cem		0040-1L
				tr Sh/Clst: brn gy to drk brn gy, mic		0040-2L
3690.45	ccp					0041
				100 S/Sst : gy w to m y brn, mic, cem		0041-1L
				tr Sh/Clst: brn gy to drk brn gy, mic		0041-2L
3698.75	ccp					0042
				100 S/Sst : lt or, mic, cem		0042-1L
				tr Sh/Clst: brn gy to drk brn gy, mic		0042-2L
3703.50	ccp					0043
				100 S/Sst : lt or, mic, cem		0043-1L
				tr Sh/Clst: brn gy to drk brn gy, mic		0043-2L

Table 2 : Lithology description for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
3710.15	ccp					0044	
		100	S/Sst : lt or, mic, cem			0044-1L	
		tr	Sh/Clst: brn gy to drk brn gy, mic			0044-2L	
3718.55	ccp					0045	
		80	S/Sst : lt or, mic, cem			0045-1L	
		20	Sh/Clst: lt or to m y brn, carb			0045-2L	
3760.00						0046	
		80	S/Sst : w to lt brn gy to gy w, mic, cem			0046-1L	
		20	Sh/Clst: lt brn gy to brn gy, slt, s, mic			0046-2L	
3799.00						0047	
		80	S/Sst : w to lt brn gy to gy w, mic, cem			0047-1L	
		20	Sh/Clst: lt brn gy to brn gy, slt, s, mic			0047-2L	

Table 3: Rock-Eval table for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3046.80	swc		Sh/Clst: drk gy	0.61	2.36	0.70	3.37	0.92	257	76	3.0	0.21	334	0049-1L
3111.00	swc		Sh/Clst: drk gy	0.52	2.40	0.71	3.38	1.01	238	70	2.9	0.18	434	0056-1L
3129.90	swc		Sh/Clst: drk gy	0.67	2.60	0.58	4.48	1.24	210	47	3.3	0.20	434	0057-1L
3244.40	swc		Sh/Clst: drk gy to dsk y brn	2.30	15.52	0.19	81.68	4.51	344	4	17.8	0.13	418	0060-1L

****For the oils:

Under the heading Rock Extracted (g) is actually the weight of whole oil before topping. Under the heading EOM (mg) is actually the weight of topped oil taken for MPLC separation. (see full details in the oil section of the report)

Table 4a: MPLC Bulk Composition: Weight of EOM and Fraction for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ Lithology	Rock Extracted (g)	EOM (mg)	Sat (mg)	Aro (mg)	Asph (mg)	NSO (mg)	HC (mg)	Non-HC (mg)	TOC(e) (%)	Sample
3028.90	swc S/Sst : gy w	0.7	3.5	0.9	0.4	0.2	2.0	1.3	2.2	0.54	0048-1L
3055.20	oil bulk	91.7	57.7	50.0	6.8	0.1	0.8	56.8	0.9	-	0073-0B
3055.80	swc S/Sst : gy w	2.4	19.7	0.9	0.3	0.4	18.1	1.2	18.5	0.35	0050-1L
3071.30	swc S/Sst : gy w	2.4	23.3	5.4	2.2	0.5	15.2	7.5	15.8	1.13	0052-1L
3074.40	swc S/Sst : gy w	3.6	32.2	6.0	2.4	1.3	22.5	8.4	23.8	0.37	0053-1L
3101.70	swc S/Sst : gy w to lt gy	1.5	6.3	1.4	0.6	0.3	4.0	2.0	4.3	0.69	0055-1L
3136.00	cut bulk	3.2	13.8	0.7	0.7	0.2	12.1	1.4	12.4	0.78	0065-0B
3148.00	cut bulk	1.5	2.9	0.7	0.3	0.3	1.6	1.0	1.9	0.64	0066-0B
3157.00	cut bulk	3.9	21.1	1.5	1.0	0.4	18.2	2.5	18.6	0.96	0067-0B
3217.00	cut bulk	10.9	77.4	3.6	1.8	0.6	71.5	5.3	72.1	0.72	0068-0B
3220.80	oil bulk	65.8	54.3	42.2	10.2	0.2	1.8	52.3	2.0	-	0074-0B
3238.00	cut bulk	4.9	17.6	2.0	1.2	0.5	13.9	3.2	14.4	0.83	0069-0B
3244.40	swc Sh/Clst: drk gy to dsk y brn	8.7	43.4	10.1	13.8	1.0	18.4	24.0	19.4	5.50	0060-1L
3245.40	swc S/Sst : w	3.2	31.7	4.7	1.4	0.2	25.4	6.1	25.6	0.37	0061-1L
3307.00	cut bulk	8.6	40.8	1.0	0.8	0.7	38.4	1.7	39.1	0.57	0070-0B
3322.00	cut bulk	5.7	27.1	0.8	1.0	0.2	25.2	1.7	25.4	0.69	0071-0B

Table 4a: MPLC Bulk Composition: Weight of EOM and Fraction for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	Rock Extracted (g)	EOM (mg)	Sat (mg)	Aro (mg)	Asph (mg)	NSO (mg)	HC (mg)	Non-HC (mg)	TOC (e) (%)	Sample
3340.00	cut	bulk	6.1	28.9	0.5	0.5	0.2	27.6	1.1	27.8	0.70	0072-0B
3514.00	oil	bulk	135.8	89.8	67.0	17.4	0.5	4.9	84.4	5.4	-	0062-0B
3515.10	ccp	bulk	9.2	15.1	5.4	2.7	1.6	5.4	8.1	7.0	0.11	0018-0B
3524.40	ccp	bulk	8.3	22.0	5.1	2.2	1.7	13.0	7.3	14.7	0.07	0019-0B
3532.20	ccp	bulk	10.1	296.4	8.4	7.9	5.3	274.7	16.3	280.1	0.69	0020-0B
3534.10	ccp	bulk	9.4	178.5	11.7	7.7	4.2	154.8	19.4	159.1	0.41	0021-0B
3535.30	ccp	bulk	9.2	84.6	40.3	18.5	2.7	23.1	58.8	25.8	0.39	0022-0B
3539.50	ccp	bulk	10.1	166.1	72.2	36.3	4.2	53.4	108.5	57.6	0.65	0023-0B
3545.80	ccp	bulk	10.1	127.1	53.9	25.6	3.8	43.8	79.5	47.6	0.44	0024-0B
3546.30	ccp	bulk	10.5	206.3	52.8	27.8	6.7	119.0	80.6	125.7	0.61	0025-0B
3557.50	ccp	bulk	8.9	157.2	71.3	32.3	4.9	48.7	103.6	53.6	0.66	0027-0B
3559.80	oil	bulk	72.0	62.3	38.4	18.1	0.4	5.4	56.5	5.8	-	0063-0B
3563.60	ccp	bulk	9.3	264.7	31.9	11.4	6.3	215.0	43.4	221.3	1.10	0028-0B
3568.30	ccp	bulk	9.8	243.7	74.2	38.4	8.5	122.6	112.6	131.1	0.72	0029-0B
3573.00	ccp	bulk	9.8	22.8	9.1	6.6	3.1	3.9	15.7	7.1	1.95	0030-0B
3573.70	ccp	bulk	10.1	214.2	34.9	24.3	4.2	150.8	59.2	155.0	0.97	0031-0B

Table 4a: MPLC Bulk Composition: Weight of EOM and Fraction for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	Rock Extracted (g)	EOM (mg)	Sat (mg)	Aro (mg)	Asph (mg)	NSO (mg)	HC (mg)	Non-HC (mg)	TOC (e) (%)	Sample
3575.40	oil	bulk	72.5	62.8	39.1	17.8	0.6	5.2	57.0	5.8	-	0064-0B
3581.00	ccp	bulk	10.4	180.4	60.1	34.8	3.3	82.2	94.9	85.5	0.90	0032-0B
3584.00	ccp	bulk	10.4	36.3	12.6	6.6	1.3	15.9	19.2	17.1	0.40	0033-0B
3603.50	ccp	bulk	10.7	34.7	17.6	11.1	1.6	4.4	28.7	6.0	0.77	0035-0B
3609.35	ccp	bulk	10.4	25.2	13.5	7.7	1.0	3.0	21.2	4.0	0.36	0036-0B
3621.50	ccp	bulk	10.3	33.4	18.5	10.2	0.8	3.8	28.7	4.7	0.34	0037-0B
3679.15	ccp	bulk	12.1	32.7	17.4	8.4	1.3	5.6	25.8	6.9	0.27	0039-0B
3684.95	ccp	bulk	11.7	46.9	26.6	12.4	1.9	6.0	39.0	7.9	0.67	0040-0B
3690.45	ccp	bulk	10.4	81.9	10.8	6.0	1.1	63.9	16.8	65.1	0.66	0041-0B
3698.75	ccp	bulk	10.0	46.8	26.2	12.3	1.7	6.6	38.5	8.3	0.68	0042-0B
3703.50	ccp	bulk	9.8	21.1	11.1	5.9	1.3	2.8	17.0	4.1	0.40	0043-0B
3710.15	ccp	bulk	10.5	41.7	16.4	8.0	1.2	16.0	24.4	17.3	0.53	0044-0B
3718.55	ccp	bulk	10.0	29.5	17.6	7.7	0.6	3.5	25.3	14.2	0.28	0045-0B

Table 4b: MPIC Bulk Composition: Concentration of EOM and Fraction (wt ppm rock) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3028.90	swc	S/Sst : gy w	5072	1247	623	289	2911	1871	3201	0048-1L
3055.80	swc	S/Sst : gy w	8312	362	145	182	7621	508	7804	0050-1L
3071.30	swc	S/Sst : gy w	9549	2203	881	221	6243	3084	6464	0052-1L
3074.40	swc	S/Sst : gy w	8944	1677	660	351	6253	2338	6605	0053-1L
3101.70	swc	S/Sst : gy w to lt gy	4344	962	384	206	2790	1347	2997	0055-1L
3136.00	cut	bulk	4259	223	223	65	3746	447	3811	0065-0B
3148.00	cut	bulk	1972	461	230	204	1076	692	1280	0066-0B
3157.00	cut	bulk	5355	380	253	107	4612	634	4720	0067-0B
3217.00	cut	bulk	7074	324	162	56	6532	486	6588	0068-0B
3238.00	cut	bulk	3621	414	242	94	2870	657	2964	0069-0B
3244.40	swc	Sh/Clst: drk gy to dsk y brn	5011	1170	1595	117	2127	2765	2245	0060-1L
3245.40	swc	S/Sst : w	9844	1447	434	76	7886	1881	7963	0061-1L
3307.00	cut	bulk	4727	111	88	82	4444	200	4527	0070-0B

Table 4b: MPLC Bulk Composition: Concentration of EOM and Fraction (wt ppm rock) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3322.00	cut	bulk	4754	133	167	39	4414	300	4453	0071-0B
3340.00	cut	bulk	4729	87	87	35	4519	174	4555	0072-0B
3515.10	ccp	bulk	1641	591	288	169	591	880	761	0018-0B
3524.40	ccp	bulk	2653	615	259	206	1572	875	1778	0019-0B
3532.20	ccp	bulk	29492	839	786	531	27334	1626	27866	0020-0B
3534.10	ccp	bulk	19029	1250	821	450	16506	2072	16957	0021-0B
3535.30	ccp	bulk	9235	4399	2017	296	2522	6417	2818	0022-0B
3539.50	ccp	bulk	16413	7136	3585	415	5276	10721	5691	0023-0B
3545.80	ccp	bulk	12609	5347	2541	378	4341	7888	4720	0024-0B
3546.30	ccp	bulk	19685	5041	2647	641	11353	7689	11995	0025-0B
3557.50	ccp	bulk	17682	8018	3638	551	5475	11656	6026	0027-0B
3563.60	ccp	bulk	28554	3443	1234	682	23194	4677	23876	0028-0B
3568.30	ccp	bulk	24816	7559	3906	869	12480	11466	13350	0029-0B

Table 4b: MPLC Bulk Composition: Concentration of EOM and Fraction (wt ppm rock) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3573.00	ccp	bulk	2331	934	675	318	402	1609	721	0030-0B
3573.70	ccp	bulk	21292	3469	2416	414	14992	5885	15406	0031-0B
3581.00	ccp	bulk	17279	5755	3332	314	7876	9088	8191	0032-0B
3584.00	ccp	bulk	3490	1210	631	121	1526	1842	1648	0033-0B
3603.50	ccp	bulk	3233	1644	1034	147	406	2679	554	0035-0B
3609.35	ccp	bulk	2416	1296	733	96	289	2029	386	0036-0B
3621.50	ccp	bulk	3258	1802	999	81	374	2802	456	0037-0B
3679.15	ccp	bulk	2704	1438	697	104	464	2135	569	0039-0B
3684.95	ccp	bulk	4018	2277	1063	161	516	3341	677	0040-0B
3690.45	ccp	bulk	7882	1041	576	109	6154	1617	6264	0041-0B
3698.75	ccp	bulk	4698	2635	1230	174	658	3865	832	0042-0B
3703.50	ccp	bulk	2155	1137	597	130	289	1735	420	0043-0B
3710.15	ccp	bulk	3956	1558	761	114	1522	2319	1636	0044-0B
3718.55	ccp	bulk	2955	1763	775	64	352	2539	416	0045-0B

Table 4c: MPLC Bulk Composition: Concentration of EOM and Fraction (mg/g TOC(e)) for well 6507/5-4 SKARV

Page: 1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3028.90	swc	S/Sst : gy w	939.35	231.04	115.52	53.68	539.10	346.57	592.78	0048-1L
3055.20	oil	bulk	-	-	-	-	-	-	-	0073-0B
3055.80	swc	S/Sst : gy w	2374.92	103.69	41.48	52.20	2177.56	145.17	2229.75	0050-1L
3071.30	swc	S/Sst : gy w	845.06	195.00	78.00	19.56	552.50	273.00	572.06	0052-1L
3074.40	swc	S/Sst : gy w	2417.42	453.47	178.64	95.11	1690.20	632.11	1785.31	0053-1L
3101.70	swc	S/Sst : gy w to lt gy	629.69	139.47	55.79	29.99	404.45	195.25	434.43	0055-1L
3136.00	cut	bulk	546.06	28.68	28.68	8.40	480.31	57.35	488.71	0065-0B
3148.00	cut	bulk	308.25	72.09	36.05	31.89	168.22	108.14	200.11	0066-0B
3157.00	cut	bulk	557.85	39.68	26.45	11.21	480.51	66.13	491.72	0067-0B
3217.00	cut	bulk	982.63	45.08	22.54	7.79	907.23	67.62	915.01	0068-0B
3220.80	oil	bulk	-	-	-	-	-	-	-	0074-0B
3238.00	cut	bulk	436.31	50.00	29.17	11.33	345.82	79.16	357.15	0069-0B
3244.40	swc	Sh/Clst: drk gy to dsk y brn	91.12	21.28	29.01	2.14	38.68	50.29	40.83	0060-1L
3245.40	swc	S/Sst : w	2660.74	391.12	117.33	20.71	2131.58	508.45	2152.28	0061-1L
3307.00	cut	bulk	829.42	19.50	15.60	14.51	779.81	35.09	794.33	0070-0B

Table 4c: MPLC Bulk Composition: Concentration of EOM and Fraction (mg/g TOC(e)) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3322.00	cut	bulk	689.04	19.39	24.23	5.67	639.75	43.62	645.42	0071-0B
3340.00	cut	bulk	675.71	12.50	12.50	5.08	645.63	24.99	650.71	0072-0B
3514.00	oil	bulk	-	-	-	-	-	-	-	0062-0B
3515.10	ccp	bulk	1492.09	537.60	262.55	154.35	537.60	800.14	691.95	0018-0B
3524.40	ccp	bulk	3791.14	879.96	370.51	294.46	2246.21	1250.47	2540.67	0019-0B
3532.20	ccp	bulk	4274.28	121.66	114.06	77.05	3961.51	235.71	4038.57	0020-0B
3534.10	ccp	bulk	4641.43	305.00	200.43	109.93	4026.06	505.44	4135.99	0021-0B
3535.30	ccp	bulk	2368.16	1128.01	517.43	75.93	646.79	1645.44	722.72	0022-0B
3539.50	ccp	bulk	2525.08	1097.91	551.56	63.88	811.73	1649.47	875.61	0023-0B
3545.80	ccp	bulk	2865.71	1215.32	577.58	86.13	986.69	1792.89	1072.82	0024-0B
3546.30	ccp	bulk	3227.07	826.54	434.08	105.23	1861.21	1260.63	1966.44	0025-0B
3557.50	ccp	bulk	2679.21	1214.90	551.25	83.51	829.55	1766.15	913.06	0027-0B
3559.80	oil	bulk	-	-	-	-	-	-	-	0063-0B
3563.60	ccp	bulk	2595.86	313.04	112.22	62.04	2108.57	425.26	2170.60	0028-0B
3568.30	ccp	bulk	3446.76	1049.94	542.59	120.78	1733.46	1592.53	1854.24	0029-0B

Table 4c: MPLC Bulk Composition: Concentration of EOM and Fraction (mg/g TOC(e)) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3573.00	ccp	bulk	119.55	47.94	34.62	16.35	20.64	82.56	36.99	0030-0B
3573.70	ccp	bulk	2195.08	357.66	249.08	42.74	1545.60	606.74	1588.33	0031-0B
3575.40	oil	bulk	-	-	-	-	-	-	-	0064-0B
3581.00	ccp	bulk	1919.97	639.56	370.27	34.96	875.18	1009.82	910.14	0032-0B
3584.00	ccp	bulk	872.60	302.67	157.92	30.38	381.63	460.59	412.01	0033-0B
3603.50	ccp	bulk	419.99	213.60	134.33	19.22	52.85	347.93	72.06	0035-0B
3609.35	ccp	bulk	671.14	360.11	203.75	26.73	80.55	563.86	107.28	0036-0B
3621.50	ccp	bulk	958.39	530.26	294.01	23.87	110.25	824.27	134.13	0037-0B
3679.15	ccp	bulk	1001.75	532.65	258.26	38.66	172.17	790.91	210.84	0039-0B
3684.95	ccp	bulk	599.83	339.99	158.66	24.11	77.07	498.66	101.17	0040-0B
3690.45	ccp	bulk	1194.33	157.77	87.34	16.66	932.56	245.11	949.22	0041-0B
3698.75	ccp	bulk	691.00	387.52	181.01	25.59	96.88	568.53	122.47	0042-0B
3703.50	ccp	bulk	538.82	284.36	149.41	32.75	72.30	433.77	105.04	0043-0B
3710.15	ccp	bulk	746.48	294.05	143.61	21.61	287.21	437.66	308.82	0044-0B
3718.55	ccp	bulk	1055.68	629.72	277.07	22.95	125.94	906.79	148.89	0045-0B

Table 4d: MPLC Bulk Composition: Material extracted from the rock (%) for well 6507/5-4 SKARV

Page: 1

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	Total	HC	Non-HC	Recov. MPLC	Recov. Asph	Sample
3028.90	swc	S/Sst : gy w	24.60	12.30	5.71	57.39	100.00	36.89	63.11	-	0.06	0048-1L
3055.20	oil	bulk	86.72	11.76	0.17	1.34	100.00	98.48	1.52	-	-	0073-0B
3055.80	swc	S/Sst : gy w	4.37	1.75	2.20	91.69	100.00	6.11	93.89	-	0.02	0050-1L
3071.30	swc	S/Sst : gy w	23.08	9.23	2.31	65.38	100.00	32.31	67.69	-	0.02	0052-1L
3074.40	swc	S/Sst : gy w	18.76	7.39	3.93	69.92	100.00	26.15	73.85	-	0.04	0053-1L
3101.70	swc	S/Sst : gy w to lt gy	22.15	8.86	4.76	64.23	100.00	31.01	68.99	-	0.05	0055-1L
3136.00	cut	bulk	5.25	5.25	1.54	87.96	100.00	10.50	89.50	-	0.02	0065-0B
3148.00	cut	bulk	23.39	11.69	10.34	54.57	100.00	35.08	64.92	-	0.10	0066-0B
3157.00	cut	bulk	7.11	4.74	2.01	86.14	100.00	11.85	88.15	-	0.02	0067-0B
3217.00	cut	bulk	4.59	2.29	0.79	92.33	100.00	6.88	93.12	-	-	0068-0B
3220.80	oil	bulk	77.71	18.70	0.37	3.22	100.00	96.41	3.59	-	-	0074-0B
3238.00	cut	bulk	11.46	6.68	2.60	79.26	100.00	18.14	81.86	-	0.03	0069-0B
3244.40	swc	Sh/Clst: drk gy to dsk y-brn	23.35	31.84	2.35	42.46	100.00	55.19	44.81	-	0.02	0060-1L
3245.40	swc	S/Sst : w	14.70	4.41	0.78	80.11	100.00	19.11	80.89	-	-	0061-1L
3307.00	cut	bulk	2.35	1.88	1.75	94.02	100.00	4.23	95.77	-	0.02	0070-0B
3322.00	cut	bulk	2.81	3.52	0.82	92.85	100.00	6.33	93.67	-	-	0071-0B

Table 4d: MPLC Bulk Composition: Material extracted from the rock (%) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	Total	HC	Non-HC	Recov. MPLC	Recov. Asph	Sample
3340.00	cut	bulk	1.85	1.85	0.75	95.55	100.00	3.70	96.30	-	-	0072-0B
3514.00	oil	bulk	74.58	19.40	0.56	5.46	100.00	93.98	6.02	-	-	0062-0B
3515.10	ccp	bulk	36.03	17.60	10.34	36.03	100.00	53.63	46.37	-	0.10	0018-0B
3524.40	ccp	bulk	23.21	9.77	7.77	59.25	100.00	32.98	67.02	-	0.08	0019-0B
3532.20	ccp	bulk	2.85	2.67	1.80	92.68	100.00	5.51	94.49	-	0.02	0020-0B
3534.10	ccp	bulk	6.57	4.32	2.37	86.74	100.00	10.89	89.11	-	0.02	0021-0B
3535.30	ccp	bulk	47.63	21.85	3.21	27.31	100.00	69.48	30.52	-	0.03	0022-0B
3539.50	ccp	bulk	43.48	21.84	2.53	32.15	100.00	65.32	34.68	-	0.03	0023-0B
3545.80	ccp	bulk	42.41	20.15	3.01	34.43	100.00	62.56	37.44	-	0.03	0024-0B
3546.30	ccp	bulk	25.61	13.45	3.26	57.67	100.00	39.06	60.94	-	0.03	0025-0B
3557.50	ccp	bulk	45.35	20.58	3.12	30.96	100.00	65.92	34.08	-	0.03	0027-0B
3559.80	oil	bulk	61.69	29.07	0.64	8.60	100.00	90.76	9.24	-	-	0063-0B
3563.60	ccp	bulk	12.06	4.32	2.39	81.23	100.00	16.38	83.62	-	0.02	0028-0B
3568.30	ccp	bulk	30.46	15.74	3.50	50.29	100.00	46.20	53.80	-	0.04	0029-0B
3573.00	ccp	bulk	40.10	28.96	13.68	17.26	100.00	69.06	30.94	-	0.14	0030-0B
3573.70	ccp	bulk	16.29	11.35	1.95	70.41	100.00	27.64	72.36	-	0.02	0031-0B

Table 4d: MPLC Bulk Composition: Material extracted from the rock (%) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	Total	HC	Non-HC	Recov. MPLC	Recov. Asph	Sample
3575.40	oil	bulk	62.30	28.42	0.96	8.33	100.00	90.72	9.28	-	-	0064-0B
3581.00	ccp	bulk	33.31	19.29	1.82	45.58	100.00	52.60	47.40	-	0.02	0032-0B
3584.00	ccp	bulk	34.69	18.10	3.48	43.74	100.00	52.78	47.22	-	0.03	0033-0B
3603.50	ccp	bulk	50.86	31.98	4.58	12.58	100.00	82.84	17.16	-	0.05	0035-0B
3609.35	ccp	bulk	53.66	30.36	3.98	12.00	100.00	84.02	15.98	-	0.04	0036-0B
3621.50	ccp	bulk	55.33	30.68	2.49	11.50	100.00	86.01	13.99	-	0.02	0037-0B
3679.15	ccp	bulk	53.17	25.78	3.86	17.19	100.00	78.95	21.05	-	0.04	0039-0B
3684.95	ccp	bulk	56.68	26.45	4.02	12.85	100.00	83.13	16.87	-	0.04	0040-0B
3690.45	ccp	bulk	13.21	7.31	1.39	78.08	100.00	20.52	79.48	-	0.01	0041-0B
3698.75	ccp	bulk	56.08	26.20	3.70	14.02	100.00	82.28	17.72	-	0.04	0042-0B
3703.50	ccp	bulk	52.78	27.73	6.08	13.42	100.00	80.51	19.49	-	0.06	0043-0B
3710.15	ccp	bulk	39.39	19.24	2.89	38.48	100.00	58.63	41.37	-	0.03	0044-0B
3718.55	ccp	bulk	59.65	26.25	2.17	11.93	100.00	85.90	14.10	-	0.02	0045-0B

Table 4e: MPLC Bulk Composition: Ratios for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	Sat	HC	Asp	Sample
			Aro	Non-HC	NSO	
3028.90	swc	S/Sst : gy w	2.00	0.58	0.10	0048-1L
3055.20	oil	bulk	7.37	64.89	0.13	0073-0B
3055.80	swc	S/Sst : gy w	2.50	0.07	0.02	0050-1L
3071.30	swc	S/Sst : gy w	2.50	0.48	0.04	0052-1L
3074.40	swc	S/Sst : gy w	2.54	0.35	0.06	0053-1L
3101.70	swc	S/Sst : gy w to lt gy	2.50	0.45	0.07	0055-1L
3136.00	cut	bulk	1.00	0.12	0.02	0065-0B
3148.00	cut	bulk	2.00	0.54	0.19	0066-0B
3157.00	cut	bulk	1.50	0.13	0.02	0067-0B
3217.00	cut	bulk	2.00	0.07	0.01	0068-0B
3220.80	oil	bulk	4.16	26.83	0.11	0074-0B
3238.00	cut	bulk	1.71	0.22	0.03	0069-0B
3244.40	swc	Sh/Clst: drk gy to dsk y brn	0.73	1.23	0.06	0060-1L
3245.40	swc	S/Sst : w	3.33	0.24	0.01	0061-1L
3307.00	cut	bulk	1.25	0.04	0.02	0070-0B

Table 4e: MPLC Bulk Composition: Ratios for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	Sat	HC	Asp	Sample
			Aro	Non-HC	NSO	
3322.00	cut	bulk	0.80	0.07	0.01	0071-0B
3340.00	cut	bulk	1.00	0.04	0.01	0072-0B
3514.00	oil	bulk	3.85	15.61	0.10	0062-0B
3515.10	ccp	bulk	2.05	1.16	0.29	0018-0B
3524.40	ccp	bulk	2.38	0.49	0.13	0019-0B
3532.20	ccp	bulk	1.07	0.06	0.02	0020-0B
3534.10	ccp	bulk	1.52	0.12	0.03	0021-0B
3535.30	ccp	bulk	2.18	2.28	0.12	0022-0B
3539.50	ccp	bulk	1.99	1.88	0.08	0023-0B
3545.80	ccp	bulk	2.10	1.67	0.09	0024-0B
3546.30	ccp	bulk	1.90	0.64	0.06	0025-0B
3557.50	ccp	bulk	2.20	1.93	0.10	0027-0B
3559.80	oil	bulk	2.12	9.82	0.07	0063-0B
3563.60	ccp	bulk	2.79	0.20	0.03	0028-0B
3568.30	ccp	bulk	1.94	0.86	0.07	0029-0B

Table 4e: MPLC Bulk Composition: Ratios for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	Sat	HC	Asp	Sample
			Aro	Non-HC	NSO	
3573.00	ccp	bulk	1.38	2.23	0.79	0030-0B
3573.70	ccp	bulk	1.44	0.38	0.03	0031-0B
3575.40	oil	bulk	2.19	9.77	0.11	0064-0B
3581.00	ccp	bulk	1.73	1.11	0.04	0032-0B
3584.00	ccp	bulk	1.92	1.12	0.08	0033-0B
3603.50	ccp	bulk	1.59	4.83	0.36	0035-0B
3609.35	ccp	bulk	1.77	5.26	0.33	0036-0B
3621.50	ccp	bulk	1.80	6.15	0.22	0037-0B
3679.15	ccp	bulk	2.06	3.75	0.22	0039-0B
3684.95	ccp	bulk	2.14	4.93	0.31	0040-0B
3690.45	ccp	bulk	1.81	0.26	0.02	0041-0B
3698.75	ccp	bulk	2.14	4.64	0.26	0042-0B
3703.50	ccp	bulk	1.90	4.13	0.45	0043-0B
3710.15	ccp	bulk	2.05	1.42	0.08	0044-0B
3718.55	ccp	bulk	2.27	6.09	0.18	0045-0B

Table 5: Saturated Hydrocarbon Ratios (peak area) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane/nC17	Phytane	CPI1	nC17	Sample
			nC17	Phytane	Phytane/nC18	nC18		nC17+nC27	
3028.90	swc	S/Sst : gy w	1.06	1.33	1.82	0.58	1.14	0.70	0048-1L
3055.20	oil	bulk	0.77	1.88	1.48	0.52	1.09	0.95	0073-0B
3055.80	swc	S/Sst : gy w	1.25	1.27	1.68	0.74	1.08	0.76	0050-1L
3071.30	swc	S/Sst : gy w	0.65	1.45	1.33	0.49	1.10	0.86	0052-1L
3074.40	swc	S/Sst : gy w	0.80	1.18	1.46	0.55	1.05	0.76	0053-1L
3101.70	swc	S/Sst : gy w to lt gy	0.74	1.43	1.41	0.52	1.12	0.91	0055-1L
3136.00	cut	bulk	0.99	1.43	1.98	0.50	1.09	0.68	0065-0B
3148.00	cut	bulk	1.12	1.16	1.84	0.61	1.10	0.57	0066-0B
3157.00	cut	bulk	1.58	1.46	2.20	0.72	1.13	0.61	0067-0B
3217.00	cut	bulk	0.85	1.37	1.77	0.48	1.09	0.70	0068-0B
3220.80	oil	bulk	0.76	1.69	1.54	0.49	1.12	0.83	0074-0B
3238.00	cut	bulk	1.02	1.04	1.82	0.56	1.15	0.51	0069-0B
3244.40	swc	Sh/Clst: drk gy to dsk y brn	2.20	2.54	2.17	1.01	1.13	0.74	0060-1L
3245.40	swc	S/Sst : w	0.68	1.38	1.37	0.50	1.00	0.83	0061-1L
3307.00	cut	bulk	0.88	1.22	1.99	0.44	1.07	0.66	0070-0B

Table 5: Saturated Hydrocarbon Ratios (peak area) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane/nC17	Phytane	CPI1	nC17	Sample
			nC17	Phytane	Phytane/nC18	nC18		nC17+nC27	
3322.00	cut	bulk	0.90	0.95	1.36	0.66	1.26	0.69	0071-0B
3340.00	cut	bulk	0.79	1.12	1.68	0.47	1.16	0.70	0072-0B
3514.00	oil	bulk	0.86	1.70	1.34	0.64	1.06	0.94	0062-0B
3515.10	ccp	bulk	0.97	0.95	1.38	0.71	1.09	0.73	0018-0B
3524.40	ccp	bulk	0.97	0.91	1.37	0.70	1.13	0.72	0019-0B
3532.20	ccp	bulk	0.97	1.16	1.43	0.68	1.09	0.78	0020-0B
3534.10	ccp	bulk	0.87	1.19	1.31	0.67	1.08	0.74	0021-0B
3535.30	ccp	bulk	0.81	1.25	1.29	0.62	1.05	0.73	0022-0B
3539.50	ccp	bulk	0.79	1.30	1.30	0.61	1.03	0.73	0023-0B
3545.80	ccp	bulk	0.86	1.33	1.38	0.62	1.01	0.73	0024-0B
3546.30	ccp	bulk	0.81	1.24	1.27	0.64	1.01	0.68	0025-0B
3557.50	ccp	bulk	0.83	1.41	1.36	0.61	1.06	0.75	0027-0B
3559.80	oil	bulk	0.80	1.47	1.33	0.60	1.08	0.84	0063-0B
3563.60	ccp	bulk	0.85	1.29	1.36	0.63	1.02	0.72	0028-0B
3568.30	ccp	bulk	0.80	1.30	1.31	0.61	1.04	0.75	0029-0B

Table 5: Saturated Hydrocarbon Ratios (peak area) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane/nC17	Phytane	CPI1	nC17	Sample
			nC17	Phytane	Phytane/nC18	nC18		nC17+nC27	
3573.00	ccp	bulk	0.78	1.25	1.25	0.62	1.02	0.73	0030-0B
3573.70	ccp	bulk	0.83	1.30	1.28	0.65	1.05	0.72	0031-0B
3575.40	oil	bulk	0.80	1.45	1.32	0.60	1.08	0.82	0064-0B
3581.00	ccp	bulk	0.84	1.23	1.29	0.65	1.05	0.70	0032-0B
3584.00	ccp	bulk	0.84	1.26	1.30	0.65	1.07	0.74	0033-0B
3603.50	ccp	bulk	0.91	1.40	1.36	0.67	1.04	0.71	0035-0B
3609.35	ccp	bulk	0.92	1.36	1.37	0.67	1.04	0.70	0036-0B
3621.50	ccp	bulk	0.92	1.41	1.38	0.67	1.04	0.71	0037-0B
3679.15	ccp	bulk	0.86	1.19	1.33	0.65	1.07	0.67	0039-0B
3684.95	ccp	bulk	0.82	1.31	1.30	0.63	1.03	0.73	0040-0B
3690.45	ccp	bulk	0.84	1.30	1.30	0.65	1.04	0.68	0041-0B
3698.75	ccp	bulk	0.85	1.38	1.39	0.61	1.08	0.72	0042-0B
3703.50	ccp	bulk	0.74	1.25	1.26	0.58	1.02	0.72	0043-0B
3710.15	ccp	bulk	0.74	1.26	1.28	0.58	1.01	0.72	0044-0B
3718.55	ccp	bulk	0.81	1.19	1.29	0.63	1.05	0.68	0045-0B

Table 6a: Aromatic Hydrocarbon Ratios (peak area) for well 6507/5-4 SKARV

Page: 1

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
3028.90	swc	S/Sst : gy w	-	-	-	1.12	0.85	0.69	0.91	-	-	-	0048-1L
3055.20	oil	bulk	1.63	5.61	0.58	1.07	1.01	0.82	1.01	-	-	-	0073-0B
3055.80	swc	S/Sst : gy w	-	-	-	1.67	1.12	1.15	1.07	-	-	-	0050-1L
3071.30	swc	S/Sst : gy w	1.09	2.96	0.42	1.13	0.84	0.78	0.91	-	-	-	0052-1L
3074.40	swc	S/Sst : gy w	-	1.88	0.25	1.01	0.89	0.75	0.93	-	-	-	0053-1L
3101.70	swc	S/Sst : gy w to lt gy	-	1.29	0.16	1.43	0.85	0.99	0.91	-	-	-	0055-1L
3136.00	cut	bulk	0.38	2.01	0.75	0.96	0.54	0.59	0.72	-	-	-	0065-0B
3148.00	cut	bulk	-	-	-	0.96	0.63	0.66	0.78	-	-	-	0066-0B
3157.00	cut	bulk	0.70	2.25	0.62	0.98	0.64	0.71	0.78	0.22	-	-	0067-0B
3217.00	cut	bulk	1.14	3.17	0.82	0.90	0.55	0.62	0.73	0.20	6.62	1.01	0068-0B
3220.80	oil	bulk	1.43	4.26	0.59	1.34	0.92	1.00	0.95	-	-	-	0074-0B
3238.00	cut	bulk	1.09	3.31	0.67	0.94	0.61	0.70	0.77	0.19	9.41	1.63	0069-0B
3244.40	swc	Sh/Clst: drk gy to dsk y brn	1.32	3.80	0.67	1.25	0.72	0.87	0.83	0.22	-	-	0060-1L
3245.40	swc	S/Sst : w	1.11	2.63	0.36	1.51	0.96	1.05	0.98	-	-	-	0061-1L
3307.00	cut	bulk	0.94	2.91	0.88	0.94	0.48	0.43	0.69	-	-	-	0070-0B
3322.00	cut	bulk	1.11	3.07	0.62	0.79	0.52	0.46	0.71	-	-	-	0071-0B

Table 6a: Aromatic Hydrocarbon Ratios (peak area) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
3340.00	cut	bulk	0.81	2.47	0.77	1.18	0.50	0.46	0.70	-	-	-	0072-0B
3514.00	oil	bulk	1.51	4.58	0.34	1.82	1.09	1.27	1.05	0.34	6.89	2.31	0062-0B
3515.10	ccp	bulk	-	-	-	1.16	1.13	1.07	1.08	0.21	-	-	0018-0B
3524.40	ccp	bulk	-	-	-	1.20	1.03	0.98	1.02	0.29	-	-	0019-0B
3532.20	ccp	bulk	-	1.52	0.11	1.76	1.00	1.17	1.00	0.66	-	-	0020-0B
3534.10	ccp	bulk	0.75	2.28	0.22	1.70	1.05	1.22	1.03	0.70	-	-	0021-0B
3535.30	ccp	bulk	0.93	2.17	0.13	1.63	1.08	1.25	1.05	0.74	4.11	1.50	0022-0B
3539.50	ccp	bulk	0.78	2.23	0.15	1.59	1.04	1.21	1.02	0.70	-	-	0023-0B
3545.80	ccp	bulk	0.86	2.24	0.18	1.15	0.88	0.89	0.93	0.69	5.57	1.48	0024-0B
3546.30	ccp	bulk	1.07	2.90	0.28	1.49	0.98	1.13	0.99	0.69	8.15	2.54	0025-0B
3557.50	ccp	bulk	1.15	3.03	0.23	1.60	1.00	1.17	1.00	0.70	3.68	1.59	0027-0B
3559.80	oil	bulk	1.32	3.45	0.29	1.21	0.89	0.90	0.93	0.30	7.54	2.63	0063-0B
3563.60	ccp	bulk	0.86	2.55	0.24	1.09	0.85	0.90	0.91	-	-	-	0028-0B
3568.30	ccp	bulk	1.01	2.68	0.21	1.62	1.01	1.19	1.00	0.68	5.46	1.85	0029-0B
3573.00	ccp	bulk	0.65	2.29	0.14	1.10	0.80	0.90	0.88	0.55	9.52	2.44	0030-0B
3573.70	ccp	bulk	1.16	3.28	0.27	1.50	0.95	1.10	0.97	0.67	7.93	1.24	0031-0B

Table 6a: Aromatic Hydrocarbon Ratios (peak area) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT (3+2) /1MDBT	Sample	
3575.40	oil	bulk	1.35	3.55	0.28	1.20	0.87	0.88	0.92	0.29	6.67	2.43	0064-0B
3581.00	ccp	bulk	1.10	2.56	0.21	1.23	0.86	0.88	0.92	0.62	8.39	3.79	0032-0B
3584.00	ccp	bulk	0.93	2.32	0.19	1.49	0.97	1.12	0.98	0.61	5.58	1.60	0033-0B
3603.50	ccp	bulk	1.00	3.04	0.19	1.21	0.88	1.01	0.93	0.53	5.60	1.85	0035-0B
3609.35	ccp	bulk	-	1.60	0.07	1.25	0.94	1.09	0.96	0.56	4.96	1.55	0036-0B
3621.50	ccp	bulk	0.91	2.22	0.11	1.52	0.99	1.15	1.00	0.60	4.65	1.69	0037-0B
3679.15	ccp	bulk	1.01	1.89	0.16	1.44	0.95	1.11	0.97	0.58	4.63	0.40	0039-0B
3684.95	ccp	bulk	1.09	2.92	0.20	1.38	0.91	1.05	0.95	0.58	8.68	1.48	0040-0B
3690.45	ccp	bulk	1.01	2.74	0.25	1.29	0.92	1.06	0.95	0.61	6.27	1.93	0041-0B
3698.75	ccp	bulk	1.02	2.65	0.20	1.46	0.95	1.09	0.97	0.60	5.68	1.77	0042-0B
3703.50	ccp	bulk	-	1.68	0.11	1.15	0.88	1.02	0.93	0.53	7.31	1.86	0043-0B
3710.15	ccp	bulk	1.07	2.91	0.27	1.19	0.88	1.03	0.93	0.59	5.49	1.66	0044-0B
3718.55	ccp	bulk	0.96	2.21	0.17	1.21	0.82	0.92	0.89	0.57	7.87	2.24	0045-0B

Table 6b: Aromatic Hydrocarbon Ratios (peak area) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
3028.90	swc	S/Sst : gy w	0.55	0.22	0048-1L
3055.20	oil	bulk	0.54	0.22	0073-0B
3055.80	swc	S/Sst : gy w	0.58	0.30	0050-1L
3071.30	swc	S/Sst : gy w	0.52	0.24	0052-1L
3074.40	swc	S/Sst : gy w	0.51	0.21	0053-1L
3101.70	swc	S/Sst : gy w to lt gy	0.52	0.30	0055-1L
3136.00	cut	bulk	0.46	0.25	0065-0B
3148.00	cut	bulk	0.45	0.24	0066-0B
3157.00	cut	bulk	0.45	0.25	0067-0B
3217.00	cut	bulk	0.43	0.24	0068-0B
3220.80	oil	bulk	0.51	0.28	0074-0B
3238.00	cut	bulk	0.45	0.25	0069-0B
3244.40	swc	Sh/Clst: drk gy to dsk y brn	0.48	0.29	0060-1L
3245.40	swc	S/Sst : w (061-0B)	0.54	0.29	0061-1L
3307.00	cut	bulk	0.48	0.22	0070-0B
3322.00	cut	bulk	0.44	0.20	0071-0B

Table 6b: Aromatic Hydrocarbon Ratios (peak area) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
3340.00	cut	bulk	0.53	0.24	0072-0B
3514.00	oil	bulk	0.58	0.34	0062-0B
3515.10	ccp	bulk	0.52	0.24	0018-0B
3524.40	ccp	bulk	0.53	0.25	0019-0B
3532.20	ccp	bulk	0.57	0.33	0020-0B
3534.10	ccp	bulk	0.56	0.32	0021-0B
3535.30	ccp	bulk	0.55	0.32	0022-0B
3539.50	ccp	bulk	0.54	0.32	0023-0B
3545.80	ccp	bulk	0.50	0.25	0024-0B
3546.30	ccp	bulk	0.53	0.31	0025-0B
3557.50	ccp	bulk	0.54	0.32	0027-0B
3559.80	oil	bulk	0.51	0.26	0063-0B
3563.60	ccp	bulk	0.48	0.25	0028-0B
3568.30	ccp	bulk	0.54	0.32	0029-0B
3573.00	ccp	bulk	0.48	0.27	0030-0B
3573.70	ccp	bulk	0.53	0.31	0031-0B

Table 6b: Aromatic Hydrocarbon Ratios (peak area) for well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
3575.40	oil	bulk	0.51	0.26	0064-0B
3581.00	ccp	bulk	0.51	0.26	0032-0B
3584.00	ccp	bulk	0.53	0.31	0033-0B
3603.50	ccp	bulk	0.50	0.29	0035-0B
3609.35	ccp	bulk	0.51	0.29	0036-0B
3621.50	ccp	bulk	0.54	0.31	0037-0B
3679.15	ccp	bulk	0.52	0.30	0039-0B
3684.95	ccp	bulk	0.52	0.30	0040-0B
3690.45	ccp	bulk	0.52	0.30	0041-0B
3698.75	ccp	bulk	0.53	0.30	0042-0B
3703.50	ccp	bulk	0.49	0.28	0043-0B
3710.15	ccp	bulk	0.50	0.29	0044-0B
3718.55	ccp	bulk	0.48	0.27	0045-0B

Table 7 Iatroscan

Relative Composition of mud extract from 3512.5 m

Depth	% SAT	%ARO	%NSO	%ASP
3170 m	0.4	47.7	51.3	0.6
3512.5 m	0.9	21.3	76.0	1.8

Table 8a: Variation in Triterpane Distribution (peak height) SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Rat.10	Rat.11	Rat.12	Rat.13	Rat.14	Sample
3028.90	S/Sst	1.23	0.55	0.23	0.59	0.37	0.12	0.14	0.23	0.12	0.15	0.86	0.39	0.20	56.43	0048-1
3055.20	bulk	0.84	0.46	0.23	0.57	0.36	0.13	0.16	0.28	0.14	0.48	0.92	0.37	0.10	58.89	0073-0
3071.30	S/Sst	0.86	0.46	0.21	0.54	0.35	0.14	0.15	0.28	0.13	0.21	0.90	0.36	0.12	59.32	0052-1
3217.00	bulk	1.47	0.59	0.26	0.64	0.39	0.14	0.14	0.22	0.12	0.15	0.84	0.39	0.19	59.52	0068-0
3220.80	bulk	0.46	0.32	0.22	0.53	0.35	0.38	0.21	0.39	0.17	0.36	0.90	0.34	0.11	61.51	0074-0
3244.40	Sh/Clst	1.59	0.61	0.16	0.63	0.39	0.02	0.03	0.04	0.03	0.07	0.89	0.39	0.13	58.03	0060-1
3245.40	S/Sst	0.58	0.37	0.22	0.56	0.36	0.29	0.18	0.32	0.15	0.31	0.89	0.36	0.13	60.12	0061-1
3514.00	bulk	0.83	0.45	0.18	0.55	0.35	0.10	0.23	0.41	0.18	0.33	0.93	0.36	0.09	60.99	0062-0
3539.50	bulk	0.89	0.47	0.16	0.49	0.33	0.09	0.20	0.40	0.17	0.12	0.92	0.33	0.09	61.04	0023-0
3545.80	bulk	0.90	0.47	0.16	0.48	0.33	0.09	0.21	0.44	0.18	0.12	0.93	0.33	0.09	60.76	0024-0
3559.80	bulk	0.88	0.47	0.15	0.47	0.32	0.09	0.21	0.44	0.17	0.10	0.92	0.32	0.09	60.74	0063-0
3568.30	bulk	0.87	0.47	0.15	0.49	0.33	0.09	0.21	0.43	0.17	0.12	0.93	0.33	0.09	61.05	0029-0
3575.40	bulk	0.86	0.46	0.14	0.45	0.31	0.09	0.20	0.43	0.16	0.10	0.93	0.32	0.09	60.65	0064-0
3603.50	bulk	0.97	0.49	0.16	0.51	0.34	0.08	0.22	0.43	0.18	0.10	0.93	0.34	0.09	61.18	0035-0
3621.50	bulk	0.91	0.48	0.15	0.49	0.33	0.07	0.21	0.42	0.17	0.10	0.93	0.33	0.08	61.43	0037-0

Table 8a: Variation in Triterpane Distribution (peak height) SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Rat.10	Rat.11	Rat.12	Rat.13	Rat.14	Sample
3684.95	bulk	0.81	0.45	0.15	0.48	0.32	0.08	0.21	0.43	0.17	0.10	0.93	0.33	0.08	63.97	0040-0
3718.55	bulk	0.67	0.40	0.16	0.48	0.33	0.11	0.21	0.43	0.17	0.14	0.92	0.33	0.09	60.63	0045-0

List of Triterpane Distribution Ratios

Ratio 1: $27Tm / 27Ts$

Ratio 2: $27Tm / 27Tm+27Ts$

Ratio 3: $27Tm / 27Tm+30a\beta+30\beta a$

Ratio 4: $29a\beta / 30a\beta$

Ratio 5: $29a\beta / 29a\beta+30a\beta$

Ratio 6: $30d / 30a\beta$

Ratio 7: $28a\beta / 30a\beta$

Ratio 8: $28a\beta / 29a\beta$

Ratio 9: $28a\beta / 28a\beta+30a\beta$

Ratio 10: $24/3 / 30a\beta$

Ratio 11: $30a\beta / 30a\beta+30\beta a$

Ratio 12: $29a\beta+29\beta a / 29a\beta+29\beta a+30a\beta+30\beta a$

Ratio 13: $29\beta a+30\beta a / 29a\beta+30a\beta$

Ratio 14: $32a\beta S / 32a\beta S+32a\beta R$ (%)

Table 8b: Variation in Sterane Distribution (peak height) SIR for Well 6507/5-4 SKARV

Page: 1

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Ratio6</u>	<u>Ratio7</u>	<u>Ratio8</u>	<u>Ratio9</u>	<u>Ratio10</u>	<u>Sample</u>
3028.90	S/Sst	0.63	41.03	67.63	1.20	0.72	0.45	0.33	0.51	0.70	1.77	0048-1
3055.20	bulk	0.81	54.35	75.98	1.53	0.74	0.62	0.47	0.61	1.19	3.46	0073-0
3071.30	S/Sst	0.79	52.18	74.42	1.32	0.74	0.52	0.38	0.59	1.09	3.04	0052-1
3217.00	bulk	0.74	45.43	67.04	1.33	0.69	0.45	0.33	0.50	0.83	1.86	0068-0
3220.80	bulk	0.91	62.28	75.79	1.69	0.72	0.59	0.45	0.61	1.65	4.15	0074-0
3244.40	Sh/Clst	0.43	30.74	58.49	1.16	0.70	0.19	0.13	0.41	0.44	1.02	0060-1
3245.40	S/Sst	0.82	55.00	73.21	1.53	0.71	0.56	0.42	0.58	1.22	3.04	0061-1
3514.00	bulk	0.83	53.52	78.32	1.40	0.77	0.65	0.51	0.64	1.15	3.89	0062-0
3539.50	bulk	0.80	52.93	78.39	1.13	0.77	0.40	0.28	0.64	1.12	3.85	0023-0
3545.80	bulk	0.80	52.72	78.26	1.12	0.77	0.41	0.29	0.64	1.12	3.81	0024-0
3559.80	bulk	0.79	50.76	78.86	1.08	0.79	0.41	0.29	0.65	1.03	3.79	0063-0
3568.30	bulk	0.80	51.98	78.21	1.12	0.78	0.43	0.31	0.64	1.08	3.74	0029-0
3575.40	bulk	0.79	50.08	78.34	1.07	0.78	0.40	0.29	0.64	1.00	3.62	0064-0
3603.50	bulk	0.79	51.24	78.99	1.08	0.79	0.39	0.28	0.65	1.05	3.86	0035-0
3621.50	bulk	0.79	51.53	78.65	1.06	0.78	0.39	0.28	0.65	1.06	3.80	0037-0

Table 8b: Variation in Sterane Distribution (peak height) SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Ratio6</u>	<u>Ratio7</u>	<u>Ratio8</u>	<u>Ratio9</u>	<u>Ratio10</u>	<u>Sample</u>
3684.95	bulk	0.80	52.28	78.23	1.10	0.77	0.42	0.30	0.64	1.10	3.77	0040-0
3718.55	bulk	0.84	54.94	78.67	1.24	0.77	0.43	0.31	0.65	1.22	4.09	0045-0

List of Sterane Distribution Ratios

Ratio 1: $27d\beta S / 27d\beta S + 27aaR$

Ratio 2: $29aaS / 29aaS + 29aaR$ (%)

Ratio 3: $2 * (29\beta\beta R + 29\beta\beta S) / (29aaS + 29aaR + 2 * (29\beta\beta R + 29\beta\beta S))$ (%)

Ratio 4: $27d\beta S + 27d\beta R + 27daR + 27daS / 29d\beta S + 29d\beta R + 29daR + 29daS$

Ratio 5: $29\beta\beta R + 29\beta\beta S / 29\beta\beta R + 29\beta\beta S + 29aaS$

Ratio 6: $21a + 22a / 21a + 22a + 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

Ratio 7: $21a + 22a / 21a + 22a + 28daS + 28aaS + 29daR + 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

Ratio 8: $29\beta\beta R + 29\beta\beta S / 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

Ratio 9: $29aaS / 29aaR$

Ratio 10: $29\beta\beta R + 29\beta\beta S / 29aaR$

Table 8c: Raw triterpane data (peak height) m/z 191 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29ßa	300	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
3028.90	S/Sst	22881.1	17900.9	7838.5	19291.0	5677.2	35349.4	43340.9	16689.1	44179.0	0048-1
		71934.4	31814.7	15024.9	17966.3	0.0	121543.7	19954.6	3246.4	35184.6	
		28564.8	17633.7	13616.0	10725.7	7108.5	7178.7	4032.3	4584.7	2643.3	
3055.20	bulk	8854.9	7607.2	3283.3	4293.8	1754.5	6278.2	5270.7	2566.5	3669.9	0073-0
		9169.0	4108.5	2005.0	971.4	0.0	15963.2	1426.4	510.8	5339.1	
		3503.7	3032.4	2116.7	1765.2	1122.6	1216.0	832.3	971.4	566.3	
3071.30	S/Sst	62925.5	52173.3	24952.8	43988.0	15856.0	83811.2	71762.9	37967.8	56387.1	0052-1
		135159.3	62589.1	34498.8	18752.0	0.0	248707.8	26979.8	6603.3	91216.9	
		62795.0	54657.4	37480.7	33442.4	20794.2	20875.8	11677.4	14940.9	9190.8	
3217.00	bulk	64677.2	45261.3	20757.2	47786.9	13916.3	87683.5	128488.7	44395.3	42644.5	0068-0
		199627.7	59652.2	42542.1	39619.9	0.0	310776.1	59620.7	9228.8	111155.2	
		75735.0	52177.9	35490.6	25943.7	17125.8	15142.0	9728.5	9569.9	6364.2	
3220.80	bulk	27056.5	25470.4	12880.4	18215.3	7944.3	48386.3	22387.0	14674.0	26354.2	0074-0
		37688.1	23659.7	27071.8	3705.8	0.0	71025.4	7859.4	0.0	27373.4	
		17582.3	17645.0	11041.6	11030.9	7552.2	7066.0	3977.8	4476.4	2915.1	
3244.40	Sh/Clst	224750.1	99461.1	38282.2	58247.7	37412.1	187587.5	298755.6	36215.2	14702.7	0060-1
		848723.7	328968.6	26282.4	122019.6	0.0	1354350.0	168402.3	40378.7	522725.1	
		349391.0	243849.8	176379.2	121266.7	87107.2	72559.0	49937.4	59709.1	39144.5	
3245.40	S/Sst	29742.1	24372.9	12014.6	17647.9	7811.3	41449.6	23989.0	14284.1	21583.0	0061-1
		43977.9	24147.5	22417.8	6236.1	0.0	78015.5	9367.6	2523.2	30686.7	
		21340.2	18789.1	12463.0	11107.8	7434.4	6903.4	4383.7	4982.0	3236.8	

Table 8c: Raw triterpane data (peak height) m/z 191 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29ßa	300	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
3514.00	bulk	20516.0	16233.7	6774.1	10009.6	3515.8	14336.0	11918.6	10982.0	1982.5	0062-0
		26773.5	9679.0	4727.8	2686.6	0.0	48759.1	3765.1	2701.9	16907.1	
		10792.0	9205.5	5886.7	4652.8	3008.3	2513.9	1676.1	1919.5	1078.3	
3539.50	bulk	65646.2	55877.7	27241.7	53861.7	16496.1	110428.9	98830.0	95852.1	15863.9	0023-0
		236900.9	90696.0	43202.6	21982.1	0.0	480419.8	39799.6	13207.2	191383.7	
		128523.5	115279.6	73576.9	70786.5	45188.8	42158.1	24357.0	33919.1	20400.1	
3545.80	bulk	60254.9	51165.9	25945.0	48624.0	14806.7	100478.1	90210.6	94647.6	15585.1	0024-0
		213837.4	84513.1	39765.3	21228.0	0.0	442001.8	35466.3	11791.9	171492.2	
		115979.0	104851.3	67706.1	63256.8	39854.5	38384.4	21059.7	30784.4	18420.2	
3559.80	bulk	32636.6	27773.7	13155.4	27125.9	8208.8	57106.6	50404.0	56480.2	8923.3	0063-0
		128891.8	50649.8	24615.0	13245.5	0.0	273805.1	22356.3	18710.9	111659.7	
		72822.0	69544.8	44952.8	43683.5	27167.2	25488.2	15857.2	21654.6	13004.7	
3568.30	bulk	76040.4	61855.4	30313.1	59858.4	17835.9	118716.3	103229.9	109430.5	18060.1	0029-0
		254917.8	100205.0	48080.3	25125.4	0.0	525343.4	42006.1	14196.6	209931.5	
		138006.9	124614.5	79495.6	74502.3	48143.4	44348.9	26203.4	35915.6	21045.3	
3575.40	bulk	40302.5	33552.2	16326.3	32351.9	9744.3	70729.5	60553.8	66148.2	10953.2	0064-0
		153069.2	60949.0	29725.1	16204.2	0.0	337356.0	27068.0	23100.0	136637.9	
		86589.7	84068.2	54546.3	53229.6	33864.6	32645.6	19382.3	27016.3	16913.9	
3603.50	bulk	77773.6	63476.1	30515.2	67394.6	18296.3	135211.1	131107.7	141650.9	19748.4	0035-0
		326217.5	118638.8	50040.1	30897.2	0.0	644139.5	52139.5	16895.2	253474.0	
		170692.0	152631.5	96855.6	91610.9	58536.2	53841.2	31044.1	42252.6	25899.0	

Table 8c: Raw triterpane data (peak height) m/z 191 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29ßa	300	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
3621.50	bulk	114180.0 448854.8 239173.9	89955.4 162715.6 216776.2	43272.8 68047.7 136087.8	95064.2 41019.6 133706.3	24705.7 0.0 85391.4	192410.0 919161.0 79412.9	175115.0 72532.4 45980.4	189491.7 0.0 63205.0	26685.7 362974.0 37899.0	0037-0
3684.95	bulk	45115.8 172875.5 89767.4	37629.9 67167.8 82243.9	18195.1 30366.9 46323.4	39225.1 16613.2 49185.6	10932.8 0.0 30653.8	85671.4 363163.1 28996.0	69748.6 27041.0 16876.4	74962.7 0.0 22854.9	11157.8 139600.8 12979.9	0040-0
3718.55	bulk	46382.9 137567.0 72254.0	40678.9 63145.7 64269.5	18872.3 32564.9 41734.0	37378.9 13448.5 38245.4	11585.3 0.0 24371.7	86451.0 285216.3 21590.1	58061.8 23921.8 12629.5	59305.1 7479.7 17037.5	12008.4 109607.2 9903.7	0045-0

Table 8d: Raw sterane data (peak height) m/z 217 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BS		
		28aaR	29aaS	29BR	29BS	29aaR					
3028.90	S/Sst	27194.0	13701.8	41865.7	24259.4	13430.6	10316.9	21051.1	9901.3	13816.8	0048-1
		35178.2	15294.5	24072.9	21243.0	8408.7	5482.9	9901.0	14975.7		
		11008.6	10234.3	14223.2	11833.6	14710.6					
3055.20	bulk	11735.7	4408.8	12408.1	6732.0	3743.1	2685.0	5855.2	2715.9	2908.2	0073-0
		8269.3	4236.4	2898.8	4361.5	1655.8	1226.5	2457.4	3443.5		
		1023.2	2102.5	3035.6	3081.7	1766.3					
3071.30	S/Sst	82514.8	37582.1	121687.6	66667.7	36471.5	29384.1	60937.3	30947.1	30073.6	0052-1
		94005.9	45374.3	32064.1	51627.9	19964.8	14287.9	27150.0	41735.7		
		14333.8	23954.8	35125.9	31662.3	21951.6					
3217.00	bulk	69663.9	30014.6	118248.6	64427.3	38164.2	30901.9	64606.6	34037.6	31127.3	0068-0
		90930.5	37336.0	40722.2	53804.6	21530.9	17283.4	22325.3	30672.6		
		17716.4	27542.3	32020.0	29628.6	33085.8					
3220.80	bulk	43752.0	14039.9	79754.2	45240.3	24717.0	20224.3	40307.0	24708.7	13596.2	0074-0
		51069.1	19410.7	8345.1	30021.2	10671.1	3206.2	8731.7	16511.2		
		2837.8	9753.9	12205.5	12312.3	5907.1					
3244.40	Sh/Clst	186640.1	75297.4	473937.9	267344.9	129435.0	127567.2	506092.1	272405.3	252247.0	0060-1
		310599.7	206566.4	631705.6	258042.9	88965.1	206602.2	200145.9	162631.7		
		577269.8	207416.3	275143.7	200089.6	467256.3					

* 28daR coel with 27aaS, 29dBS coel with 27BR, 28daS coel with 27BS, 29daS coel with 28BR

Table 8d: Raw sterane data (peak height) m/z 217 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BS		
		28aaR	29aaS	29BR	29BS	29aaR					
3245.40	S/Sst	40704.7	15841.8	67500.1	38197.6	21664.9	15985.9	34098.6	17505.9	14371.3	0061-1
		47230.0	19256.1	14564.2	26786.0	9679.0	4531.4	9828.5	16453.5		
		7466.4	10486.7	13135.4	12912.6	8578.5					
3514.00	bulk	31597.9	13052.2	28378.5	14943.7	7385.3	5811.9	12476.3	5731.3	6021.7	0062-0
		21199.2	10102.4	5929.4	9794.7	3481.5	2756.9	5887.6	8345.1		
		2096.6	4552.4	7651.2	7709.8	3953.0					
3539.50	bulk	92151.2	47437.4	159515.9	90322.8	47960.6	37014.8	77557.1	36735.1	38117.1	0023-0
		147644.8	72245.1	39681.9	72112.0	28250.9	22926.1	48090.9	66521.0		
		18029.4	39701.1	68523.5	67504.6	35309.6					
3545.80	bulk	88128.1	44019.8	140992.4	80229.4	43356.8	32269.9	71351.5	33951.5	34857.3	0024-0
		131318.1	65758.0	35212.8	65416.0	25720.9	20623.9	43595.2	58649.3		
		16321.9	35097.2	60999.2	58808.7	31475.4					
3559.80	bulk	48494.0	24297.9	76617.9	42033.4	22528.6	17667.1	38037.6	18810.9	19734.7	0063-0
		73277.7	36263.1	20037.0	35988.0	14115.3	11297.4	23863.7	33778.9		
		8478.7	18774.3	35322.7	33666.9	18214.4					
3568.30	bulk	110050.2	55059.4	169769.0	93320.5	50016.4	39212.2	82287.2	39687.2	42757.4	0029-0
		157202.3	77211.6	42844.0	77347.9	30226.6	24312.1	49688.9	69640.7		
		18656.4	40312.1	70464.1	68731.5	37241.1					

* 28daR coel with 27aaS, 29dBS coel with 27BR, 28daS coel with 27BS, 29daS coel with 28BR

Table 8d: Raw sterane data (peak height) m/z 217 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BBS		
		28aaR	29aaS	29BBR	29BBS	29aaR					
3575.40	bulk	57261.4	28947.8	93241.4	52491.2	27216.1	21672.9	45956.1	21796.8	23740.9	0064-0
		89771.2	43549.1	25016.4	44319.6	17699.3	13683.3	29666.1	40288.2		
		10436.0	22934.9	42557.3	40271.0	22864.4					
3603.50	bulk	114452.6	58625.7	185351.9	104667.6	57066.7	43649.5	92525.1	43802.2	47589.4	0035-0
		180035.6	90447.9	49213.4	87179.3	33349.6	27965.4	60450.8	81502.2		
		21566.2	47633.3	87994.4	86773.5	45333.4					
3621.50	bulk	160236.8	83961.0	271826.9	150179.9	77938.9	62677.5	131506.8	63129.8	68498.1	0037-0
		265465.7	129734.7	72036.2	127073.0	49205.1	40363.3	86714.2	117854.2		
		31334.4	68464.6	123093.9	121632.2	64409.1					
3684.95	bulk	69619.5	35042.6	113127.1	63183.5	34709.3	26321.8	54957.7	27944.0	27826.0	0040-0
		107810.4	51901.1	28539.7	52130.6	20764.6	15894.8	34177.1	47408.3		
		12186.7	27495.6	47686.1	46800.0	25095.7					
3718.55	bulk	68895.5	33357.6	119575.0	67004.2	36724.1	27268.3	58646.5	27923.5	25046.8	0045-0
		101487.1	46183.7	22405.4	50877.8	19052.5	13563.0	30543.6	44605.4		
		11057.5	26081.9	44084.7	43463.7	21389.4					

* 28daR coel with 27aaS, 29dBS coel with 27BBR, 28daS coel with 27BBS, 29daS coel with 28BBR

Table 8e: Raw sterane data (peak height) m/z 218 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	27 $\beta\beta$ R	27 $\beta\beta$ S	28 $\beta\beta$ R	28 $\beta\beta$ S	29 $\beta\beta$ R	29 $\beta\beta$ S	30 $\beta\beta$ R	30 $\beta\beta$ S	Sample
3028.90	S/Sst	24170.2	16710.8	13189.6	17565.9	18056.6	19016.3	3952.4	4111.8	0048-1
3055.20	bulk	7053.8	5141.4	3595.5	4267.5	4476.5	5079.5	852.0	907.4	0073-0
3071.30	S/Sst	73653.1	52517.7	40918.6	50580.9	48756.6	52179.7	14131.2	14243.8	0052-1
3217.00	bulk	52723.6	33841.0	29507.3	35681.1	42850.5	46799.3	6755.8	7142.4	0068-0
3220.80	bulk	28736.8	17493.3	13370.7	18081.3	17017.3	18931.9	4416.3	4577.3	0074-0
3244.40	Sh/Clst	229254.9	163379.1	252085.8	241879.6	354026.4	322552.6	17041.2	19696.0	0060-1
3245.40	S/Sst	29298.0	19535.7	14761.3	18992.8	17889.0	20031.3	4519.7	4593.1	0061-1
3514.00	bulk	19026.1	14036.5	10074.0	11524.4	12004.6	13219.5	2421.4	2363.3	0062-0
3539.50	bulk	128599.3	92976.0	74872.1	86844.3	98289.0	110032.5	25338.7	24741.4	0023-0
3545.80	bulk	114529.5	82274.4	68914.8	76780.0	89174.6	98312.0	21997.5	21549.4	0024-0
3559.80	bulk	64809.7	47980.4	37859.6	45272.7	53511.1	57335.7	13223.3	12715.4	0063-0
3568.30	bulk	136314.9	99428.6	78853.9	91975.2	106503.4	115042.6	24830.7	24066.7	0029-0
3575.40	bulk	76924.5	57691.0	48048.7	55295.9	65211.1	68358.4	15928.1	15652.3	0064-0
3603.50	bulk	162995.2	118439.2	96327.0	109319.7	129957.8	144923.9	32642.5	31208.9	0035-0
3621.50	bulk	233109.8	171236.6	137500.3	158116.2	183144.7	204958.5	45220.7	43418.5	0037-0

Table 8e: Raw sterane data (peak height) m/z 218 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>27$\beta$$\beta$R</u>	<u>27$\beta$$\beta$S</u>	<u>28$\beta$$\beta$R</u>	<u>28$\beta$$\beta$S</u>	<u>29$\beta$$\beta$R</u>	<u>29$\beta$$\beta$S</u>	<u>30$\beta$$\beta$R</u>	<u>30$\beta$$\beta$S</u>	<u>Sample</u>
3684.95	bulk	89854.6	66568.8	53029.2	61815.1	72281.0	79150.4	16981.1	16941.4	0040-0
3718.55	bulk	83358.2	60052.0	48189.7	57277.7	63985.2	71539.3	15562.1	15219.0	0045-0

Table 8f: Raw triterpane data (peak height) m/z 177 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>25nor28aß</u>	<u>25nor30aß</u>	<u>Sample</u>
3028.90	S/Sst	22776.6	31426.1	0048-1
3055.20	bulk	4292.0	2657.8	0073-0
3071.30	S/Sst	56426.5	38015.1	0052-1
3217.00	bulk	63413.9	29189.8	0068-0
3220.80	bulk	14547.0	19111.9	0074-0
3244.40	Sh/Clst	16493.0	8389.0	0060-1
3245.40	S/Sst	14049.6	14406.5	0061-1
3514.00	bulk	10537.1	1119.3	0062-0
3539.50	bulk	81710.9	7019.7	0023-0
3545.80	bulk	73676.8	6328.9	0024-0
3559.80	bulk	43747.3	3763.0	0063-0
3568.30	bulk	86775.9	7133.8	0029-0
3575.40	bulk	53035.3	4490.9	0064-0
3603.50	bulk	108790.8	8593.8	0035-0
3621.50	bulk	149309.2	12567.5	0037-0
3684.95	bulk	49624.9	4429.5	0040-0

Table 8f: Raw triterpane data (peak height) m/z 177 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>25nor28aß</u>	<u>25nor30aß</u>	<u>Sample</u>
3718.55	bulk	41094.5	4145.0	0045-0

Table 8g: Amount of triterpanes (ppb) m/z 191 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29ßa	300	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
3028.90	S/Sst	19736.9	15441.1	6761.4	16640.2	4897.1	30491.9	37385.3	14395.8	38108.2	0048-1
		62049.7	27443.0	12960.3	15497.5	0.0	104842.1	17212.5	2800.3	30349.8	
		24639.6	15210.6	11745.0	9251.8	6131.7	6192.2	3478.2	3954.7	2280.1	
3055.20	bulk	23434.5	20132.4	8689.2	11363.6	4643.3	16615.4	13948.9	6792.2	9712.4	0073-0
		24265.7	10873.2	5306.1	2570.8	0.0	42246.4	3775.1	1351.8	14129.8	
		9272.6	8025.2	5601.8	4671.6	2971.1	3218.2	2202.7	2570.7	1498.6	
3071.30	S/Sst	42952.1	35612.8	17032.4	30025.6	10823.1	57208.3	48984.3	25916.3	38489.1	0052-1
		92257.8	42722.4	23548.4	12799.9	0.0	169764.4	18416.1	4507.3	62263.4	
		42863.0	37308.4	25583.8	22827.3	14193.8	14249.5	7970.8	10198.4	6273.5	
3217.00	bulk	27018.7	18907.8	8671.3	19962.9	5813.5	36629.6	53675.8	18546.0	17814.7	0068-0
		83394.0	24919.6	17771.9	16551.1	0.0	129826.0	24906.4	3855.3	46434.8	
		31638.1	21797.2	14826.1	10837.9	7154.2	6325.6	4064.1	3997.8	2658.6	
3220.80	bulk	18169.5	17104.4	8649.7	12232.2	5334.9	32493.3	15033.7	9854.2	17697.8	0074-0
		25309.0	15888.4	18179.8	2488.6	0.0	47696.3	5277.9	0.0	18382.3	
		11807.2	11849.3	7414.9	7407.7	5071.6	4745.1	2671.2	3006.1	1957.6	
3244.40	Sh/Clst	277228.3	122684.9	47221.0	71848.3	46147.7	231388.4	368513.8	44671.3	18135.7	0060-1
		1046897.0	405781.3	32419.2	150510.7	0.0	1670584.9	207723.5	49806.9	644779.2	
		430972.3	300787.7	217563.0	149582.0	107446.4	89501.3	61597.6	73651.0	48284.5	
3245.40	S/Sst	23976.6	19648.2	9685.5	14226.8	6297.1	33414.6	19338.7	11515.1	17399.1	0061-1
		35452.8	19466.5	18072.1	5027.2	0.0	62892.2	7551.7	2034.1	24738.1	
		17203.4	15146.8	10047.1	8954.6	5993.2	5565.2	3533.9	4016.2	2609.4	

Table 8g: Amount of triterpanes (ppb) m/z 191 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29Ba	300	30aß	30Ba	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
3514.00	bulk	43614.4 56917.1 22942.5	34510.8 20576.3 19569.7	14400.8 10050.7 12514.4	21279.1 5711.3 9891.3	7474.0 0.0 6395.3	30476.5 103655.7 5344.1	25337.5 8004.2 3563.2	23346.4 5744.0 4080.6	4214.5 35942.3 2292.4	0062-0
3539.50	bulk	56947.2 205508.5 111492.5	48473.1 78677.6 100003.5	23631.8 37477.7 63827.0	46724.3 19069.1 61406.4	14310.2 0.0 39200.7	95795.6 416757.9 36571.6	85733.8 34525.6 21129.4	83150.4 11457.1 29424.3	13761.8 166022.9 17696.8	0023-0
3545.80	bulk	59035.6 209510.1 113632.0	50130.4 82802.9 102729.5	25420.0 38960.6 66335.9	47640.1 20798.4 61976.7	14507.1 0.0 39048.0	98444.8 433057.2 37607.6	88385.0 34748.5 20633.6	92732.3 11553.3 30161.4	15269.7 168021.8 18047.5	0024-0
3559.80	bulk	61953.9 244674.9 138237.9	52722.7 96148.4 132016.6	24972.9 46726.6 85333.8	51493.0 25144.0 82924.2	15582.8 0.0 51571.3	108405.4 519763.4 48384.2	95681.7 42439.0 30101.7	107216.3 35518.9 41106.9	16939.1 211963.3 24686.8	0063-0
3568.30	bulk	59588.0 199762.7 108147.2	48472.1 78524.2 97652.4	23754.5 37677.4 62295.6	46907.2 19689.1 58382.7	13976.9 0.0 37726.9	93030.3 411677.9 34753.4	80894.6 32917.5 20533.9	85753.7 11125.0 28144.8	14152.5 164509.8 16491.8	0029-0
3575.40	bulk	58253.7 221247.9 125157.7	48496.7 88096.4 121513.1	23598.2 42964.9 78841.9	46761.8 23421.8 76938.6	14084.5 0.0 48948.2	102233.3 487618.0 47186.3	87525.1 39124.4 28015.3	95611.3 33389.0 39049.6	15831.9 197497.9 24447.6	0064-0
3603.50	bulk	69500.4 291515.7 152534.4	56723.7 106018.5 136395.1	27269.1 44717.0 86552.5	60225.4 27610.5 81865.7	16350.0 0.0 52309.4	120827.9 575618.4 48113.7	117161.0 46593.1 27741.7	126582.6 15097.9 37758.0	17647.6 226510.4 23144.0	0035-0

Table 8g: Amount of triterpanes (ppb) m/z 191 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29ßa	300	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
3621.50	bulk	70484.1	55530.1	26712.6	58683.8	15251.0	118776.0	108099.6	116974.5	16473.3	0037-0
		277081.0	100445.4	42006.3	25321.7	0.0	567404.1	44774.7	0.0	224066.2	
		147643.6	133817.4	84007.9	82537.8	52712.6	49022.1	28384.0	39016.9	23395.3	
3684.95	bulk	60621.9	50563.1	24448.7	52706.6	14690.4	115116.4	93720.9	100727.1	14992.6	0040-0
		232292.1	90253.0	40803.9	22323.1	0.0	487980.8	36334.9	0.0	187581.0	
		120620.1	110510.8	62244.6	66090.5	41189.5	38961.8	22676.8	30710.0	17441.1	
3718.55	bulk	55541.6	48711.2	22598.8	44759.7	13872.9	103521.5	69526.6	71015.3	14379.5	0045-0
		164730.7	75614.3	38995.1	16104.0	0.0	341534.6	28645.3	8956.6	131250.0	
		86521.1	76960.1	49974.7	45797.3	29184.1	25853.2	15123.4	20401.7	11859.2	

Table 8h: Amount of steranes (ppb) m/z 217 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BBS		
		28aaR	29aaS	29BBR	29BBS	29aaR					
3028.90	S/Sst	23457.2	11819.0	36112.8	20925.9	11585.1	8899.2	18158.4	8540.8	11918.2	0048-1
		30344.3	13192.8	20765.0	18323.9	7253.3	4729.5	8540.4	12917.8		
		9495.9	8828.0	12268.8	10207.5	12689.2					
3055.20	bulk	31058.5	11667.9	32838.1	17816.3	9906.2	7106.0	15495.8	7187.7	7696.5	0073-0
		21884.6	11211.7	7671.6	11542.8	4382.1	3245.8	6503.5	9113.1		
		2707.8	5564.3	8033.7	8155.7	4674.5					
3071.30	S/Sst	56323.5	25653.0	83062.2	45506.4	24894.9	20057.2	41594.9	21124.0	20527.8	0052-1
		64167.1	30971.8	21886.5	35240.4	13627.7	9752.7	18532.2	28488.2		
		9784.1	16351.2	23976.4	21612.3	14983.9					
3217.00	bulk	29101.9	12538.5	49398.1	26914.3	15943.0	12909.2	26989.3	14219.1	13003.4	0068-0
		37986.0	15597.0	17011.6	22476.8	8994.5	7220.1	9326.3	12813.4		
		7401.0	11505.8	13376.3	12377.3	13821.5					
3220.80	bulk	29381.2	9428.3	53558.1	30380.6	16598.4	13581.4	27067.7	16592.9	9130.4	0074-0
		34294.9	13035.0	5604.1	20160.4	7166.1	2153.1	5863.7	11087.9		
		1905.7	6550.1	8196.5	8268.2	3966.9					
3244.40	Sh/Clst	230219.7	92879.0	584600.4	329768.8	159657.5	157353.6	624262.4	336010.8	311145.6	0060-1
		383123.4	254798.8	779206.2	318294.8	109738.1	254842.9	246879.1	200605.5		
		712059.8	255847.1	339388.6	246809.7	576358.7					

* 28daR coel with 27aaS, 29dBS coel with 27BBR, 28daS coel with 27BBS, 29daS coel with 28BBR

Table 8h: Amount of steranes (ppb) m/z 217 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BBS		
		28aaR	29aaS	29BBR	29BBS	29aaR					
3245.40	S/Sst	32814.1	12770.8	54415.2	30793.0	17465.2	12887.1	27488.6	14112.4	11585.4	0061-1
		38074.4	15523.3	11740.9	21593.5	7802.7	3653.0	7923.2	13264.0		
		6019.0	8453.9	10589.1	10409.5	6915.5					
3514.00	bulk	67173.1	27747.4	60329.1	31768.4	15700.1	12355.3	26523.1	12184.1	12801.4	0062-0
		45066.9	21476.4	12605.2	20822.3	7401.2	5860.7	12516.3	17740.7		
		4457.0	9677.9	16265.5	16390.0	8403.7					
3539.50	bulk	79939.9	41151.3	138378.0	78353.8	41605.2	32109.9	67279.8	31867.3	33066.1	0023-0
		128079.9	62671.7	34423.6	62556.2	24507.3	19888.1	41718.2	57706.1		
		15640.3	34440.2	59443.3	58559.4	30630.6					
3545.80	bulk	86344.7	43129.0	138139.2	78605.8	42479.4	31616.8	69907.6	33264.5	34151.9	0024-0
		128660.7	64427.3	34500.2	64092.2	25200.4	20206.5	42713.0	57462.4		
		15991.6	34387.0	59764.8	57618.6	30838.4					
3559.80	bulk	92056.0	46124.6	145443.5	79791.9	42766.0	33537.5	72206.7	35708.7	37462.2	0063-0
		139103.0	68838.1	38036.2	68315.8	26795.0	21445.8	45300.3	64122.4		
		16095.1	35639.1	67053.0	63909.8	34576.3					
3568.30	bulk	86239.3	43146.6	133037.1	73129.3	39194.7	30728.1	64483.2	31100.3	33506.2	0029-0
		123189.4	60505.8	33574.1	60612.6	23686.6	19051.8	38938.0	54573.0		
		14619.9	31590.0	55218.2	53860.4	29183.5					

* 28daR coel with 27aaS, 29dBS coel with 27BBR, 28daS coel with 27BBS, 29daS coel with 28BBR

Table 8h: Amount of steranes (ppb) m/z 217 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BS		
		28aaR	29aaS	29BR	29BS	29aaR					
3575.40	bulk	82766.2	41841.4	134772.2	75871.4	39338.5	31326.2	66425.5	31505.3	34315.4	0064-0
		129756.3	62946.3	36159.0	64060.1	25582.8	19778.0	42879.7	58233.0		
		15084.3	33150.4	61512.8	58208.2	33048.4					
3603.50	bulk	102277.6	52389.3	165634.9	93533.5	50996.2	39006.3	82682.6	39142.7	42527.0	0035-0
		160884.1	80826.4	43978.3	77905.5	29802.0	24990.6	54020.3	72832.3		
		19272.1	42566.3	78633.9	77542.9	40511.0					
3621.50	bulk	98915.2	51829.7	167800.5	92707.0	48112.2	38691.2	81180.0	38970.4	42284.4	0037-0
		163873.7	80086.1	44468.4	78443.0	30374.6	24916.5	53529.2	72752.2		
		19342.9	42263.7	75986.7	75084.4	39760.2					
3684.95	bulk	93547.4	47086.6	152008.4	84899.4	46638.8	35368.5	73846.5	37548.3	37389.6	0040-0
		144864.4	69739.3	38348.6	70047.7	27901.3	21357.8	45923.7	63702.3		
		16375.3	36945.7	64075.6	62885.0	33721.0					
3718.55	bulk	82499.5	39944.3	143186.1	80234.7	43975.6	32652.6	70226.8	33437.2	29992.4	0045-0
		121526.6	55303.0	26829.6	60924.0	22814.6	16241.1	36574.6	53413.0		
		13240.9	31232.0	52789.6	52046.0	25613.0					

* 28daR coel with 27aaS, 29dBS coel with 27BR, 28daS coel with 27BS, 29daS coel with 28BR

Table 8i: Amount of standard and weight of sample for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Standard</u>	<u>Amount</u>	<u>Weight</u>	<u>Sample</u>
3028.90	S/Sst	1352520.0	0.700	0.6	0048-1
3055.20	bulk	20503.9	1.400	25.8	0073-0
3071.30	S/Sst	341837.3	0.700	3.0	0052-1
3217.00	bulk	1047283.0	0.700	1.6	0068-0
3220.80	bulk	86504.8	1.400	24.1	0074-0
3244.40	Sh/Clst	257951.3	0.700	2.2	0060-1
3245.40	S/Sst	434162.6	0.700	2.0	0061-1
3514.00	bulk	24122.8	1.400	27.3	0062-0
3539.50	bulk	76486.1	1.400	21.1	0023-0
3545.80	bulk	70738.4	1.400	20.2	0024-0
3559.80	bulk	35456.9	1.400	20.8	0063-0
3568.30	bulk	119902.3	1.400	14.9	0029-0
3575.40	bulk	44635.1	1.400	21.7	0064-0
3603.50	bulk	161510.8	1.400	9.7	0035-0
3621.50	bulk	224546.2	1.400	10.1	0037-0

Table 8i: Amount of standard and weight of sample for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Standard</u>	<u>Amount</u>	<u>Weight</u>	<u>Sample</u>
3684.95	bulk	69460.2	1.400	15.0	0040-0
3718.55	bulk	116914.3	1.400	10.0	0045-0

Table 9a: Variation in Triaromatic Sterane Distribution (peak height) for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Sample</u>
3028.90	S/Sst	0.56	0.56	0.27	0.27	0.35	0048-1
3055.20	bulk	0.43	0.37	0.23	0.20	0.36	0073-0
3071.30	S/Sst	0.65	0.65	0.35	0.34	0.43	0052-1
3217.00	bulk	0.73	0.68	0.37	0.40	0.45	0068-0
3220.80	bulk	0.81	0.76	0.54	0.55	0.67	0074-0
3244.40	Sh/Clst	0.34	0.25	0.07	0.09	0.10	0060-1
3245.40	S/Sst	0.81	0.76	0.48	0.51	0.57	0061-1
3514.00	bulk	0.82	0.82	0.60	0.57	0.69	0062-0
3539.50	bulk	0.70	0.72	0.45	0.40	0.54	0023-0
3545.80	bulk	0.70	0.70	0.44	0.39	0.53	0024-0
3559.80	bulk	0.74	0.75	0.49	0.44	0.57	0063-0
3568.30	bulk	0.69	0.69	0.43	0.39	0.53	0029-0
3575.40	bulk	0.73	0.74	0.47	0.42	0.56	0064-0

Ratio1: $a1 / a1 + g1$

Ratio2: $b1 / b1 + g1$

Ratio3: $a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1$

Ratio4: $a1 / a1 + e1 + f1 + g1$

Ratio5: $a1 / a1 + d1$

Table 9a: Variation in Triaromatic Sterane Distribution (peak height) for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Sample</u>
3603.50	bulk	0.68	0.68	0.43	0.38	0.53	0035-0
3621.50	bulk	0.63	0.66	0.39	0.33	0.48	0037-0
3684.95	bulk	0.70	0.70	0.45	0.40	0.56	0040-0
3718.55	bulk	0.71	0.75	0.50	0.42	0.58	0045-0

Ratio1: $a1 / a1 + g1$

Ratio2: $b1 / b1 + g1$

Ratio3: $a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1$

Ratio4: $a1 / a1 + e1 + f1 + g1$

Ratio5: $a1 / a1 + d1$

Table 9b: Variation in Monoaromatic Sterane Distribution (peak height) for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Sample</u>
3028.90	S/Sst	0.26	0.17	0.16	0.14	0048-1
3055.20	bulk	0.47	0.35	0.34	0.30	0073-0
3071.30	S/Sst	0.38	0.29	0.24	0.21	0052-1
3217.00	bulk	0.34	0.25	0.22	0.19	0068-0
3220.80	bulk	0.53	0.46	0.43	0.35	0074-0
3244.40	Sh/Clst	0.09	0.04	0.05	0.05	0060-1
3245.40	S/Sst	0.44	0.34	0.29	0.27	0061-1
3514.00	bulk	0.59	0.40	0.45	0.37	0062-0
3539.50	bulk	0.41	0.32	0.28	0.24	0023-0
3545.80	bulk	0.43	0.35	0.29	0.26	0024-0
3559.80	bulk	0.46	0.34	0.32	0.27	0063-0
3568.30	bulk	0.39	0.21	0.26	0.20	0029-0
3575.40	bulk	0.46	0.34	0.32	0.26	0064-0
3603.50	bulk	0.32	0.26	0.20	0.18	0035-0

Ratio1: A1 / A1 + E1
Ratio2: B1 / B1 + E1

Ratio3: A1 / A1 + E1 + G1
Ratio4: A1+B1 / A1+B1+C1+D1+E1+F1+G1+H1+I1

Table 9b: Variation in Monoaromatic Sterane Distribution (peak height) for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Sample</u>
3621.50	bulk	0.37	0.21	0.24	0.18	0037-0
3684.95	bulk	0.42	0.29	0.28	0.23	0040-0
3718.55	bulk	0.45	0.20	0.31	0.22	0045-0

Ratio1: A1 / A1 + E1
 Ratio2: B1 / B1 + E1

Ratio3: A1 / A1 + E1 + G1
 Ratio4: A1+B1 / A1+B1+C1+D1+E1+F1+G1+H1+I1

Table 9c: Aromatisation of Steranes (peak height) for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
3028.90	S/Sst	0.59	0.74	0048-1
3055.20	bulk	0.37	0.95	0073-0
3071.30	S/Sst	0.51	0.86	0052-1
3217.00	bulk	0.33	0.93	0068-0
3220.80	bulk	0.41	0.93	0074-0
3244.40	Sh/Clst	0.41	0.83	0060-1
3245.40	S/Sst	0.46	0.87	0061-1
3514.00	bulk	0.70	0.86	0062-0
3539.50	bulk	0.48	0.93	0023-0
3545.80	bulk	0.41	0.93	0024-0
3559.80	bulk	0.57	0.91	0063-0
3568.30	bulk	0.47	0.86	0029-0
3575.40	bulk	0.55	0.91	0064-0

$$\text{Ratio1: } \frac{\text{C1+D1+E1+F1+G1+H1+I1}}{\text{C1+D1+E1+F1+G1+H1+I1} + \text{c1+d1+e1+f1+g1}}$$

$$\text{Ratio2: } \text{g1} / \text{g1} + \text{I1}$$

Table 9c: Aromatisation of Steranes (peak height) for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
3603.50	bulk	0.42	0.92	0035-0
3621.50	bulk	0.44	0.93	0037-0
3684.95	bulk	0.45	0.93	0040-0
3718.55	bulk	0.46	0.91	0045-0

$$\text{Ratio1: } \frac{\text{C1+D1+E1+F1+G1+H1+I1}}{\text{C1+D1+E1+F1+G1+H1+I1} + \text{c1+d1+e1+f1+g1}}$$

$$\text{Ratio2: } \text{g1} / \text{g1} + \text{I1}$$

Table 9d: Raw triaromatic sterane data (peak height) m/z 231 for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
3028.90	S/Sst	21469.3	20975.4	13961.1	40413.2	22409.3	19993.3	16548.3	0048-1
3055.20	bulk	6056.5	4821.0	2730.3	10712.9	9641.9	5872.1	8192.3	0073-0
3071.30	S/Sst	29075.8	28760.4	12758.4	38670.2	21650.0	20244.8	15819.2	0052-1
3217.00	bulk	17526.1	13828.1	5974.1	21304.5	8178.3	11878.4	6480.3	0068-0
3220.80	bulk	10156.2	7547.3	1770.2	5058.6	3251.7	2539.4	2431.9	0074-0
3244.40	Sh/Clst	22657.5	14509.4	39973.1	214954.8	55068.6	133784.0	43486.6	0060-1
3245.40	S/Sst	38964.5	29656.8	8335.5	29128.4	13162.2	14978.6	9139.9	0061-1
3514.00	bulk	24646.3	24321.2	2693.9	11152.4	7657.1	5780.5	5234.8	0062-0
3539.50	bulk	129821.3	144416.2	22954.4	110290.7	78504.2	62194.0	54999.1	0023-0
3545.80	bulk	169697.9	177015.7	28943.7	149375.8	105330.9	80420.8	74209.9	0024-0
3559.80	bulk	38481.1	41372.9	5671.0	28539.7	19837.2	15843.2	13528.5	0063-0
3568.30	bulk	204479.2	200225.9	38204.7	178018.6	127050.1	100956.2	91813.2	0029-0
3575.40	bulk	34893.4	37200.6	5433.7	27031.3	19402.8	15133.7	12995.4	0064-0
3603.50	bulk	160284.3	160920.4	30900.7	140300.3	101936.0	78727.7	75742.6	0035-0
3621.50	bulk	167927.9	191864.8	39153.4	183711.8	133903.4	101993.8	100155.7	0037-0
3684.95	bulk	148978.4	153205.4	24383.8	118810.5	89158.0	65439.8	65105.4	0040-0

Table 9d: Raw triaromatic sterane data (peak height) m/z 231 for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>a1</u>	<u>b1</u>	<u>c1</u>	<u>d1</u>	<u>e1</u>	<u>f1</u>	<u>g1</u>	<u>Sample</u>
3718.55	bulk	149770.5	178043.3	22813.9	107409.4	81829.9	61474.4	59829.3	0045-0

Table 9e: Raw monoaromatic sterane data (peak height) m/z 253 for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
3028.90	S/Sst	16560.6	9805.2	21324.4	16786.5	46317.2	12344.6	38090.2	22276.3	5855.6	0048-1
3055.20	bulk	5703.4	3424.7	3739.9	2670.0	6325.3	1528.5	4585.7	2387.8	462.6	0073-0
3071.30	S/Sst	17360.8	11990.1	19005.9	13741.6	28794.9	8882.5	25131.2	13420.7	2647.0	0052-1
3217.00	bulk	3751.2	2502.6	3468.6	2744.7	7321.9	2829.0	6186.2	3045.2	500.1	0068-0
3220.80	bulk	3110.4	2413.6	2011.6	1396.6	2795.0	1235.5	1330.0	1509.3	172.7	0074-0
3244.40	Sh/Clst	13713.8	6274.0	23370.1	19646.8	137300.8	17794.6	100417.4	37322.9	8628.7	0060-1
3245.40	S/Sst	13945.7	9351.0	9148.8	7195.9	18080.6	5344.1	15437.2	7693.5	1354.2	0061-1
3514.00	bulk	30636.3	14344.2	13959.4	10786.3	21453.8	4662.4	15706.0	8041.6	865.5	0062-0
3539.50	bulk	55352.8	36663.2	58594.9	38640.1	78250.5	17232.8	63716.7	37223.1	4362.5	0023-0
3545.80	bulk	62498.6	44479.9	54585.9	43249.8	82480.5	17611.3	69141.5	38365.2	5447.3	0024-0
3559.80	bulk	25182.2	14887.1	20409.5	15338.7	29078.2	7043.0	24285.9	12943.3	1356.8	0063-0
3568.30	bulk	84312.0	34366.5	84538.7	57320.3	130267.6	23328.8	106969.6	64737.2	14484.5	0029-0
3575.40	bulk	22144.7	13249.6	17714.2	13447.2	26210.1	6241.9	21743.7	11973.3	1320.6	0064-0
3603.50	bulk	38977.9	29106.1	58530.6	35718.9	84403.1	17120.3	67202.3	39500.5	6638.8	0035-0
3621.50	bulk	68855.0	31737.6	84604.6	56109.8	118413.1	24994.0	94926.5	58757.4	7308.3	0037-0
3684.95	bulk	56314.3	31743.8	53292.5	36700.7	78541.2	16763.2	63406.1	39142.7	4550.9	0040-0

Table 9e: Raw monoaromatic sterane data (peak height) m/z 253 for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
3718.55	bulk	60965.6	18870.9	52411.1	37438.8	74825.1	18979.4	60186.8	35481.8	5775.4	0045-0

Table 9f: Aromatic Hydrocarbons data (peak height) m/z 178/192 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	P	3MP	2MP	9MP	1MP	MPI1	Sample
3028.90	S/Sst	309275.9	109393.1	116769.0	215467.9	157799.4	0.50	0048-1
3055.20	bulk	162667.7	53053.4	58948.5	93236.6	69709.8	0.52	0073-0
3071.30	S/Sst	1237002.0	397304.9	427546.3	709542.4	457370.2	0.51	0052-1
3217.00	bulk	2033844.0	415498.8	498901.2	943589.8	643770.5	0.38	0068-0
3220.80	bulk	480192.6	180241.6	171773.1	289437.0	199540.1	0.54	0074-0
3244.40	Sh/Clst	1815112.0	499694.0	588749.8	1000755.0	732719.8	0.46	0060-1
3245.40	S/Sst	1871778.0	754409.5	745889.8	1214997.0	878141.6	0.57	0061-1
3514.00	bulk	2302181.0	793124.1	848475.8	1408261.0	1001655.0	0.52	0062-0
3539.50	bulk	7609512.0	2949728.0	3564458.0	5251193.0	3820887.0	0.59	0023-0
3545.80	bulk	6655485.0	3549606.0	3851112.0	5642478.0	4334420.0	0.67	0024-0
3559.80	bulk	2055055.0	728459.4	831583.8	1451411.0	1012038.0	0.52	0063-0
3568.30	bulk	10679640.0	4904058.0	5596177.0	8044769.0	6304173.0	0.63	0029-0
3575.40	bulk	1781993.0	646131.2	725775.4	1270646.0	891422.9	0.52	0064-0
3603.50	bulk	10709440.0	3850519.0	4653454.0	6843547.0	5393533.0	0.56	0035-0
3621.50	bulk	9635976.0	3668873.0	4355232.0	6355932.0	4453974.0	0.59	0037-0

Table 9f: Aromatic Hydrocarbons data (peak height) m/z 178/192 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>P</u>	<u>3MP</u>	<u>2MP</u>	<u>9MP</u>	<u>1MP</u>	<u>MPI1</u>	<u>Sample</u>
3684.95	bulk	10211800.0	3798375.0	4218913.0	6230292.0	5105559.0	0.56	0040-0
3718.55	bulk	10602070.0	4334768.0	5346204.0	7786406.0	5617074.0	0.60	0045-0

Table 9g: Aromatic Hydrocarbons from m/z 142/156 (peak heights (SIR) for ARO FRACTION well NOCS 6507/5-4 SKARV

Well	Descript.	2MN	1MN	2EN	1EN	2.6+2.7-DMN	1.3+1.7-DMN	1.6-DMN	2.3+1.4-DMN	1.5-DMN	1.2-DMN	Sample
3028.90	S/Sst	1158.8	1435.6	251.3	408.4	2387.7	8034.0	5976.1	4509.5	3332.2	3039.0	0048-1
3055.20	bulk	2608985.0	2170213.0	244994.0	137827.0	1480916.0	2422116.0	1445300.0	659570.5	379784.8	342856.8	0073-0
3071.30	S/Sst	237508.1	259973.2	98102.2	82713.2	849624.0	1811713.0	1278177.0	632649.6	359947.5	292847.5	0052-1
3217.00	bulk	1022274.0	955492.9	91481.3	83946.0	755037.2	1570638.0	1214697.0	604030.2	344774.8	290015.9	0068-0
3220.80	bulk	2931889.0	2093185.0	217769.1	139616.1	1513494.0	2545353.0	1932180.0	699012.6	415977.7	340511.3	0074-0
3244.40	Sh/Clst	4821670.0	3675429.0	255448.1	197350.1	2039085.0	3931904.0	2749359.0	1147075.0	686408.6	462363.0	0060-1
3245.40	S/Sst	97696.2	181628.7	112976.3	79305.8	928035.3	1848288.0	1428765.0	619491.4	369347.4	388245.7	0061-1
3514.00	bulk	10725750.0	10723430.0	1758722.0	854691.2	8593414.0	10719960.0	9987556.0	3962392.0	2493492.0	1778078.0	0062-0
3539.50	bulk	134057.7	274088.5	260789.6	130869.5	2009957.0	4109584.0	3055114.0	1456381.0	1029418.0	886815.4	0023-0
3545.80	bulk	60447.2	143467.8	131274.0	96235.4	1008584.0	2491756.0	2138213.0	915906.6	669514.3	512964.3	0024-0
3559.80	bulk	5411993.0	4280890.0	698944.8	349345.5	3800041.0	5736964.0	5147586.0	1854917.0	1174384.0	851797.8	0063-0
3568.30	bulk	1127009.0	1588319.0	942903.0	510005.6	6054123.0	9971082.0	8911135.0	3894948.0	2616472.0	2549522.0	0029-0
3575.40	bulk	5842147.0	4476528.0	681243.8	330667.8	3507004.0	5293877.0	4718072.0	1684639.0	1077244.0	774322.0	0064-0
3603.50	bulk	183733.5	370952.4	1524162.5	278421.3	3773330.0	6652201.0	5272723.0	2666486.0	1714103.0	1845988.0	0035-0
3621.50	bulk	19511.1	49484.1	195970.2	114487.3	1852409.0	3884315.0	3033418.0	1600375.0	1079451.0	1007892.0	0037-0
3684.95	bulk	896719.8	1387209.0	847035.9	393517.6	5724737.0	9472252.0	7251228.0	3441999.0	2319137.0	2185158.0	0040-0
3718.55	bulk	53972.8	117170.1	179702.2	98391.6	1629117.0	3574266.0	2548984.0	1310319.0	905990.7	802127.7	0045-0

Table 9h: Aromatic Hydrocarbons data (peak height) m/z 184/198 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

Depth	Lithology	DBT	4MDBT	2+3MDBT	1MDBT	Sample
3028.90	S/Sst	90802.2	109470.7	39503.3	42500.8	0048-1
3055.20	bulk	50905.0	45031.0	12954.2	14351.8	0073-0
3071.30	S/Sst	417346.8	421861.6	123285.1	102762.3	0052-1
3217.00	bulk	551390.3	392202.8	89749.6	88549.6	0068-0
3220.80	bulk	119986.4	152688.8	39253.8	30984.2	0074-0
3244.40	Sh/Clst	415130.9	401425.3	106149.1	94171.0	0060-1
3245.40	S/Sst	436303.8	558962.8	147603.4	123439.3	0061-1
3514.00	bulk	1052435.0	989927.0	345267.0	253831.6	0062-0
3539.50	bulk	3000447.0	3120786.0	1189684.0	848234.6	0023-0
3545.80	bulk	2979476.0	3706343.0	1339420.0	991483.0	0024-0
3559.80	bulk	981339.0	987899.8	344220.3	268190.5	0063-0
3568.30	bulk	4710973.0	4774447.0	1772684.0	1300466.0	0029-0
3575.40	bulk	846439.5	854668.2	301843.3	236475.8	0064-0
3603.50	bulk	3953880.0	3396171.0	1352961.0	1081660.0	0035-0
3621.50	bulk	3229699.0	3094565.0	1126869.0	831544.5	0037-0

Table 9h: Aromatic Hydrocarbons data (peak height) m/z 184/198 SIR for Well 6507/5-4 SKARV

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>DBT</u>	<u>4MDBT</u>	<u>2+3MDBT</u>	<u>1MDBT</u>	<u>Sample</u>
3684.95	bulk	3270544.0	3431481.0	1252010.0	924737.4	0040-0
3718.55	bulk	3219430.0	3549446.0	1308955.0	888273.7	0045-0

Table 9i: Aromatic Hydrocarbons from m/z 170 (peak heights)(SIR) for ARO FRACTION well NOCS 6507/5-4 SKARV

Well	Descript.	1.3.7-TMN	1.3.6-TMN	1.3.5-TMN	2.3.6+-TMN	1.2.7-TMN	1.6.7-TMN	1.2.4-TMN	1.2.5-TMN	Sample
3028.90	S/Sst	34404.3	53543.9	64821.6	36088.7	47140.5	29118.7	11724.8	65148.1	0048-1
3055.20	S/Sst	553426.3	737870.6	669390.2	379107.6	356788.2	257379.2	69295.3	368556.2	0073-0
3071.30	bulk	910388.4	1266374.0	1097628.0	800300.9	743578.9	538343.6	154574.2	856736.0	0052-1
3217.00	bulk	349499.7	505181.9	470826.2	369495.3	356001.8	224620.9	64809.3	370732.6	0068-0
3220.80	bulk	671933.6	850999.3	716347.1	512296.2	465355.8	289819.6	75947.6	329590.2	0074-0
3244.40	Sh/Clst	862675.4	1236726.0	1056614.0	701313.3	605151.4	425191.2	110934.7	605319.5	0060-1
3245.40	S/Sst	1183188.0	1647707.0	1586769.0	1026611.0	1013082.0	589928.4	174173.5	879296.6	0061-1
3514.00	bulk	6829957.0	8761494.0	7907946.0	5734586.0	5226532.0	3422916.0	1090104.0	3694260.0	0062-0
3539.50	bulk	3258375.0	4969892.0	4923931.0	2987307.0	2744746.0	1998060.0	591489.4	2611937.0	0023-0
3545.80	bulk	2287289.0	3390844.0	3167749.0	2175457.0	2248006.0	1443163.0	497900.7	1845874.0	0024-0
3559.80	bulk	2530789.0	3565615.0	3262453.0	2126367.0	1935966.0	1299611.0	406912.7	1533953.0	0063-0
3568.30	bulk	6387990.0	9537827.0	9520034.0	5760836.0	5547109.0	3962648.0	1083863.0	5016992.0	0029-0
3575.40	bulk	2136238.0	3101998.0	2978315.0	1702915.0	1492888.0	1096044.0	312329.6	1336378.0	0064-0
3603.50	bulk	4077465.0	6399955.0	6344541.0	3978628.0	3593710.0	2821696.0	833620.2	3988259.0	0035-0
3621.50	bulk	4236971.0	6386333.0	6139177.0	4184763.0	3806621.0	2827426.0	890066.9	3791266.0	0037-0
3684.95	bulk	5191395.0	7811438.0	7614319.0	4706436.0	4267698.0	3059759.0	848210.4	4023383.0	0040-0
3718.55	bulk	3506475.0	5482647.0	5415356.0	3360709.0	3054043.0	2122663.0	620517.5	2906815.0	0045-0

Table 9j: Amount of standard and weight of sample AROMATIC FRACTION for well NOCs 6507/5-4 SKARV

Well	Descript.	Standard	Amount	Weight	Sample
3028.90	S/Sst	5427228.0	1.416	0.3	0048-1
3055.20	bulk	26743.5	1.416	3.5	0073-0
3071.30	S/Sst	682997.8	1.416	1.2	0052-1
3217.00	bulk	447632.6	1.416	0.8	0068-0
3220.80	bulk	37548.0	1.416	5.8	0074-0
3244.40	Sh/Clst	59582.9	1.416	3.0	0060-1
3245.40	S/Sst	1630925.0	1.416	0.6	0061-1
3514.00	bulk	172166.3	2.360	7.1	0062-0
3539.50	bulk	233744.9	1.416	10.6	0023-0
3545.80	bulk	258312.5	1.416	9.6	0024-0
3559.80	bulk	100212.7	2.360	9.8	0063-0
3568.30	bulk	468619.9	1.416	7.7	0029-0
3575.40	bulk	105686.7	2.360	9.9	0064-0
3603.50	bulk	314286.8	1.416	6.1	0035-0
3621.50	bulk	393363.9	1.416	5.6	0037-0
3684.95	bulk	321500.4	1.416	7.0	0040-0
3718.55	bulk	598902.0	1.416	4.4	0045-0

Table 9k: Amount of triaromatic steranes (ppb) m/z 231 SIR for NOCS 6507/5-4 SKARV

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
3028.9	S/Sst	18671.6	18242.1	12141.8	35146.9	19489.1	17388.0	14391.9	0048-1
3055.2	bulk	91621.8	72931.3	41303.5	162063.1	145861.1	88832.2	123931.8	0073-0
3071.3	S/Sst	50233.6	49688.7	22042.4	66809.6	37404.2	34976.5	27330.5	0052-1
3217	bulk	69300.6	54678.2	23622.4	84240.9	32338.1	46968.8	25624.0	0068-0
3220.8	bulk	66035.8	49072.7	11509.9	32891.1	21142.6	16511.2	15812.3	0074-0
3244.4	Sh/Clst	179486.7	114939.6	316656.3	1702815.2	436238.9	1059801.5	344489.4	0060-1
3245.4	S/Sst	56382.9	42914.3	12061.7	42149.7	19046.1	21674.5	13225.7	0061-1
3514	bulk	47583.6	46955.9	5201.0	21531.5	14783.2	11160.2	10106.6	0062-0
3539.5	bulk	74192.7	82533.7	13118.4	63031.0	44865.0	35543.8	31431.9	0023-0
3545.8	bulk	96899.8	101078.4	16527.3	85295.6	60145.4	45921.4	42374.9	0024-0
3559.8	bulk	92472.1	99421.2	13627.7	68582.4	47669.8	38072.0	32509.7	0063-0
3568.3	bulk	80241.9	78572.8	14992.3	69858.2	49857.1	39617.3	36029.4	0029-0
3575.4	bulk	78704.5	83908.6	12256.1	60971.0	43764.4	34135.1	29312.0	0064-0
3603.5	bulk	118385.4	118855.3	22823.2	103625.3	75289.6	58148.0	55943.2	0035-0
3621.5	bulk	107945.3	123332.1	25168.1	118091.3	86074.1	65562.3	64380.8	0037-0
3684.95	bulk	93736.1	96395.7	15342.1	74754.7	56097.6	41174.2	40963.8	0040-0
3718.55	bulk	80478.7	95671.0	12259.0	57716.1	43971.0	33033.1	32149.1	0045-0

Table 6I: Amount of monoaromatic steranes (ppb) m/z 253 SIR for NOCS 6507/5-4 SKARV

Depth	Descript.	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
3028.9	S/Sst	14402.6	8527.5	18545.6	14599.0	40281.6	10736.0	33126.6	19373.5	5092.6	0048-1
3055.2	bulk	86280.1	51808.3	56576.6	40391.3	95688.1	23122.9	69371.7	36122.3	6998.1	0073-0
3071.3	S/Sst	29993.9	20715.0	32836.1	23741.1	49748.3	15346.1	43418.6	23186.6	4573.2	0052-1
3217	bulk	14832.8	9895.6	13715.3	10852.9	28951.8	11186.2	24461.1	12041.1	1977.5	0068-0
3220.8	bulk	20223.9	15693.3	13079.5	9080.7	18173.2	8033.2	8647.7	9813.5	1122.9	0074-0
3244.4	Sh/Clst	108637.1	49701.0	185131.8	155636.8	1087660.7	140964.1	795480.1	295662.2	68354.3	0060-1
3245.4	S/Sst	20179.9	13531.2	13238.6	10412.7	26163.2	7733.1	22338.1	11132.7	1959.6	0061-1
3514	bulk	59148.2	27693.8	26950.8	20824.7	41420.0	9001.5	30322.9	15525.6	1671.0	0062-0
3539.5	bulk	31634.1	20953.0	33486.9	22082.8	44720.1	9848.5	36414.0	21273.0	2493.2	0023-0
3545.8	bulk	35687.6	25398.6	31169.3	24696.2	47097.5	10056.3	39480.8	21907.1	3110.5	0024-0
3559.8	bulk	60514.1	35774.5	49045.1	36859.7	69876.4	16924.7	58360.3	31103.4	3260.5	0063-0
3568.3	bulk	33085.8	13486.1	33174.7	22493.7	51119.7	9154.7	41977.1	25404.2	5684.0	0029-0
3575.4	bulk	49948.9	29885.4	39955.6	30331.1	59118.7	14079.0	49044.5	27006.6	2978.7	0064-0
3603.5	bulk	28788.9	21497.7	43230.5	26381.9	62339.8	12645.0	49635.4	29174.9	4903.4	0035-0
3621.5	bulk	44260.5	20401.2	54384.4	36067.8	76116.8	16066.3	61019.4	37769.7	4697.8	0037-0
3684.95	bulk	35432.5	19973.0	33531.3	23091.8	49417.6	10547.3	39894.7	24628.3	2863.4	0040-0
3718.55	bulk	32759.7	10140.2	28162.9	20117.6	40207.0	10198.5	32341.2	19066.0	3103.4	0045-0

Table 10a $\delta^{13}\text{C}$ data for Whole oil/EOM and Fractions for well 6507/5-4

Lower Depth (m)	sample type	Lithology	EOM or whole oil	SAT	ARO	NSO	ASP
3028,9	swc	sandstone	-	-28,86	-27,99	-28,22	-28,93
3055,2	condensate	-	-28,33	-29,27	-27,66	-28,92	-27,81
3071,3	swc	sandstone	-28,84	-29,19	-28,62	-28,77	-28,18
3217	cuttings	sst/slst/sh	-29,05	-28,84	-27,41	-29,07	-26,12
3220,8	light oil	-	-28,25	-28,43	-27,66	-28,71	-28,21
3244,4	swc	shale	-28,6	-29,81	-28,27	-28,14	-25,32
3245,4	swc	sandstone	-28,96	-28,46	-27,68	-29,05	-28,04
3514	condensate	-	-27,98	-28,78	-27,13	-28,6	-28,4
3539,5	ccp	sandstone	-27,65	-28,8	-27,64	-26,03	-27,28
3545,8	ccp	sandstone	-27,68	-28,77	-27,54	-26,02	-27,16
3559,8	oil	-	-28,05	-28,81	-27,66	-27,95	-27,63
3568,3	ccp	sandstone	-27,15	-28,74	-27,39	-25,99	-27,08
3575,4	oil	-	-28,01	-28,73	-27,58	-27,78	-27,7
3603,5	ccp	sandstone	-28,29	-29,03	-27,52	-27,77	-26,68
3621,5	ccp	sandstone	-28,45	-28,88	-27,68	-28	-27,5
3684,95	ccp	sandstone	-28,11	-28,71	-27,29	-27,52	-26,9
3718,55	ccp	sandstone	-28,31	-28,83	-27,49	-27,71	-27,29

Table 10b Canonical Variables (Sofer 1984) from $\delta^{13}\text{C}$ of saturate and aromatic hydrocarbon fractions for well 6507/5-4

Lower Depth (m)	sample type	Lithology	SAT	ARO	CV	Sample
3028,9	swc	sandstone	-28,86	-27,99	-0,77	W06/0048-1
3055,2	condensate	-	-29,27	-27,66	1,00	W06/0073-0
3071,3	swc	sandstone	-29,19	-28,62	-1,34	W06/0052-1
3217	cuttings	sst/slst/sh	-28,84	-27,41	0,46	W06/0068-0
3220,8	light oil	-	-28,43	-27,66	-1,13	W06/0074-0
3244,4	swc	shale	-29,81	-28,27	1,01	W06/0060-1
3245,4	swc	sandstone	-28,46	-27,68	-1,10	W06/0061-1
3514	condensate	-	-28,78	-27,13	0,93	W06/0062-0
3539,5	ccp	sandstone	-28,8	-27,64	-0,15	W06/0023-1
3545,8	ccp	sandstone	-28,77	-27,54	0,00	W06/0024-1
3559,8	oil	-	-28,81	-27,66	-0,17	W06/0063-0
3568,3	ccp	sandstone	-28,74	-27,39	0,26	W06/0029-1
3575,4	oil	-	-28,73	-27,58	-0,19	W06/0064-0
3603,5	ccp	sandstone	-29,03	-27,52	0,70	W06/0035-1
3621,5	ccp	sandstone	-28,88	-27,68	-0,03	W06/0037-1
3684,95	ccp	sandstone	-28,71	-27,29	0,40	W06/0040-1
3718,55	ccp	sandstone	-28,83	-27,49	0,26	W06/0045-1

Table 1A: Light Hydrocarbons from Whole Oil GC for NOCS 6507/5-4

<u>Well</u>	<u>Description</u>	<u>2,2DMC4</u>	<u>2,3DMC4</u>	<u>nC6</u>	<u>MCyC5</u>	<u>Benz</u>	<u>Sample</u>
6507/5-4	3055.2	0.09	0.16	3.37	1.62	1.26	W06/0073
6507/5-4	3220.8	0.09	0.22	3.78	1.76	1.95	W06/0074
6507/5-4	3514m	0.04	0.19	3.06	1.59	1.48	W06/0062
6507/5-4	3559.8m	0.07	0.38	3.71	2.18	2.24	W06/0063
6507/5-4	3575.4m	0.10	0.48	4.16	2.32	2.31	W06/0064

Table 1B: Light Hydrocarbons from Whole Oil GC for NOCS 6507/5-4

Well	Description	CyC6	2MC6	3MC6	1,3ci- DMCyC5	1,3tr- DMCyC5	1,2tr- DMCyC5	nC7	MCyC6	Tol	nC8	p/m- Xylene	Sample
6507/5-4	3055.2	4.02	2.48	1.85	0.45	0.42	0.88	5.65	8.43	6.37	6.92	6.01	W06/0073
6507/5-4	3220.8	4.84	2.04	1.73	0.44	0.41	0.84	5.15	8.77	7.13	5.81	6.13	W06/0074
6507/5-4	3514m	3.20	1.91	1.67	0.51	0.48	1.02	5.49	7.12	7.23	6.93	6.46	W06/0062
6507/5-4	3559.8m	4.20	1.75	1.53	0.53	0.49	1.05	4.59	7.45	7.70	5.20	6.12	W06/0063
6507/5-4	3575.4m	4.22	1.71	1.48	0.51	0.48	1.01	4.30	6.91	6.99	4.55	5.31	W06/0064

Table 1C: Thompson's indices for NOCS 6507/5-4

Well	Description	A	B	X	W	C	I	F	H	U	R	S	Sample
6507/5-4	3055.2	0.37	1.13	0.87	3.13	0.72	2.47	0.67	23.21	2.48	2.28	37.44	W06/0073
6507/5-4	3220.8	0.52	1.38	1.06	4.03	0.66	2.23	0.59	21.07	2.75	2.52	42.00	W06/0074
6507/5-4	3514m	0.48	1.32	0.93	4.63	0.83	1.78	0.77	25.43	2.01	2.87	76.50	W06/0062
6507/5-4	3559.8m	0.60	1.68	1.18	5.33	0.71	1.58	0.62	20.89	1.93	2.62	53.00	W06/0063
6507/5-4	3575.4m	0.56	1.63	1.17	5.47	0.76	1.60	0.62	20.38	1.82	2.51	41.60	W06/0064

THOMPSON'S INDICES

$$A = \frac{\text{Benzene}}{nC6}$$

$$B = \frac{\text{Toluene}}{nC7}$$

$$X = \frac{\text{p/m-xylene}}{nC8}$$

$$W = \frac{\text{Benzene} * 10}{\text{CyC6}}$$

$$C = \frac{nC6 + nC7}{\text{CyC6} + \text{MCyC6}}$$

$$I = \frac{2MC6 + 3MC6}{1,3ciDMCyC5 + 1,3trDMCyC5 + 1,2trDMCyC5}$$

$$F = \frac{nC7}{\text{MCyC6}}$$

$$H = \frac{nC7 * 100}{\text{CyC6} + 2MC6 + 2,3DMC4 + 3MC6 + 1,3ciDMCyC5 + 1,3trDMCyC5 + 1,2trDMCyC5 + nC7 + \text{MCyC6}}$$

$$U = \frac{\text{CyC6}}{\text{MCyC5}}$$

$$R = \frac{nC7}{2MC6}$$

$$S = \frac{nC6}{2,2DMC4}$$

Table 2a: MPLC Bulk Composition: Weight of Oil and Fraction for NOCS 6507/5-4

<u>Well</u>	<u>Description</u>	<u>Whole oil (mg)</u>	<u>Light (mg)</u>	<u>Topped (mg)</u>	<u>Sat (mg)</u>	<u>Aro (mg)</u>	<u>Asph (mg)</u>	<u>NSO (mg)</u>	<u>HC (mg)</u>	<u>Non-HC (mg)</u>	<u>Sample</u>
6507/5-4	3055.2	91.7	34.0	57.7	50.0	6.8	0.1	0.8	56.8	0.9	W06/0073
6507/5-4	3220.8	65.8	11.5	54.3	42.2	10.2	0.2	1.8	52.3	2.0	W06/0074
6507/5-4	3514m	135.8	46.0	89.8	67.0	17.4	0.5	4.9	84.4	5.4	W06/0062
6507/5-4	3559.8m	72.0	9.7	62.3	38.4	18.1	0.4	5.4	56.5	5.8	W06/0063
6507/5-4	3575.4m	72.5	9.7	62.8	39.1	17.8	0.6	5.2	57.0	5.8	W06/0064

Table 2b: MPLC Bulk Composition: Comparison of topped oil (%) for NOCS 6507/5-4

<u>Well</u>	<u>Description</u>	<u>Sat</u>	<u>Aro</u>	<u>Asph</u>	<u>NSO</u>	<u>Total</u>	<u>HC</u>	<u>Non-HC</u>	<u>Recov. MPLC</u>	<u>Recov. Asph</u>	<u>Sample</u>
6507/5-4	3055.2	86.72	11.76	0.17	1.34	100.00	98.48	1.52	-	0.00	W06/0073
6507/5-4	3220.8	77.71	18.70	0.37	3.22	100.00	96.41	3.59	-	0.00	W06/0074
6507/5-4	3514m	74.58	19.40	0.56	5.46	100.00	93.98	6.02	-	0.01	W06/0062
6507/5-4	3559.8m	61.69	29.07	0.64	8.60	100.00	90.76	9.24	-	0.01	W06/0063
6507/5-4	3575.4m	62.30	28.42	0.96	8.33	100.00	90.72	9.28	-	0.01	W06/0064

Table 2c: MPLC Bulk Composition: Ratios in topped oil for NOCS 6507/5-4

Well	Description	Sat	HC	Asp	Sample
		Aro	Non-HC	NSO	
6507/5-4	3055.2	7.37	64.89	0.13	W06/0073
6507/5-4	3220.8	4.16	26.83	0.11	W06/0074
6507/5-4	3514m	3.85	15.61	0.10	W06/0062
6507/5-4	3559.8m	2.12	9.82	0.07	W06/0063
6507/5-4	3575.4m	2.19	9.77	0.11	W06/0064

Table 3: Saturated Hydrocarbon Ratios (peak area) for NOCS 6507/5-4

Well	Description	Pristane	Pristane	Pristane/nC17	Phytane	CPI1	nC17	Sample
		nC17	Phytane	Phytane/nC18	nC18		nC17+nC27	
6507/5-4	3055.2	0.77	1.88	1.48	0.52	1.09	0.95	W06/0073
6507/5-4	3220.8	0.76	1.69	1.54	0.49	1.12	0.83	W06/0074
6507/5-4	3514m	0.86	1.70	1.34	0.64	1.06	0.94	W06/0062
6507/5-4	3559.8m	0.80	1.47	1.33	0.60	1.08	0.84	W06/0063
6507/5-4	3575.4m	0.80	1.45	1.32	0.60	1.08	0.82	W06/0064

Table 4a: Aromatic Hydrocarbon Ratios (peak area) for NOCS 6507/5-4

Well	Description	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
6507/5-4	3055.2	1.63	5.61	0.58	1.07	1.01	0.82	1.01	-	-	-	W06/0073
6507/5-4	3220.8	1.43	4.26	0.59	1.34	0.92	1.00	0.95	-	-	-	W06/0074
6507/5-4	3514m	1.51	4.58	0.34	1.82	1.09	1.27	1.05	0.34	6.89	2.31	W06/0062
6507/5-4	3559.8m	1.32	3.45	0.29	1.21	0.89	0.90	0.93	0.30	7.54	2.63	W06/0063
6507/5-4	3575.4m	1.35	3.55	0.28	1.20	0.87	0.88	0.92	0.29	6.67	2.43	W06/0064

Table 4b: Aromatic Hydrocarbon Ratios (peak area) for NOCS 6507/5-4

<u>Well</u>	<u>Description</u>	<u>F1</u>	<u>F2</u>	<u>Sample</u>
6507/5-4	3055.2	0.54	0.22	W06/0073
6507/5-4	3220.8	0.51	0.28	W06/0074
6507/5-4	3514m	0.58	0.34	W06/0062
6507/5-4	3559.8m	0.51	0.26	W06/0063
6507/5-4	3575.4m	0.51	0.26	W06/0064

Table 5a: Variation in Triterpane Distribution (peak height) SIR for NOCS 6507/5-4

Well	Descript.	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Rat.10	Rat.11	Rat.12	Rat.13	Rat.14	Sample
6507/5-4	3055.2	0.84	0.46	0.23	0.57	0.36	0.13	0.16	0.28	0.14	0.48	0.92	0.37	0.10	58.89	W06/0073
6507/5-4	3220.8	0.46	0.32	0.22	0.53	0.35	0.38	0.21	0.39	0.17	0.36	0.90	0.34	0.11	61.51	W06/0074
6507/5-4	3514m	0.83	0.45	0.18	0.55	0.35	0.10	0.23	0.41	0.18	0.33	0.93	0.36	0.09	60.99	W06/0062
6507/5-4	3559.8m	0.88	0.47	0.15	0.47	0.32	0.09	0.21	0.44	0.17	0.10	0.92	0.32	0.09	60.74	W06/0063
6507/5-4	3575.4m	0.86	0.46	0.14	0.45	0.31	0.09	0.20	0.43	0.16	0.10	0.93	0.32	0.09	60.65	W06/0064

List of Triterpane Distribution Ratios

Ratio 1: $27Tm / 27Ts$

Ratio 2: $27Tm / 27Tm+27Ts$

Ratio 3: $27Tm / 27Tm+30a\beta+30\beta a$

Ratio 4: $29a\beta / 30a\beta$

Ratio 5: $29a\beta / 29a\beta+30a\beta$

Ratio 6: $30d / 30a\beta$

Ratio 7: $28a\beta / 30a\beta$

Ratio 8: $28a\beta / 29a\beta$

Ratio 9: $28a\beta / 28a\beta+30a\beta$

Ratio 10: $24/3 / 30a\beta$

Ratio 11: $30a\beta / 30a\beta+30\beta a$

Ratio 12: $29a\beta+29\beta a / 29a\beta+29\beta a+30a\beta+30\beta a$

Ratio 13: $29\beta a+30\beta a / 29a\beta+30a\beta$

Ratio 14: $32a\beta S / 32a\beta S+32a\beta R$ (%)

Table 5b: Variation in Sterane Distribution (peak height) SIR for NOCS 6507/5-4

<u>Well</u>	<u>Descript.</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Ratio6</u>	<u>Ratio7</u>	<u>Ratio8</u>	<u>Ratio9</u>	<u>Ratio10</u>	<u>Sample</u>
6507/5-4	3055.2	0.81	54.35	75.98	1.53	0.74	0.62	0.47	0.61	1.19	3.46	W06/0073
6507/5-4	3220.8	0.91	62.28	75.79	1.69	0.72	0.59	0.45	0.61	1.65	4.15	W06/0074
6507/5-4	3514m	0.83	53.52	78.32	1.40	0.77	0.65	0.51	0.64	1.15	3.89	W06/0062
6507/5-4	3559.8m	0.79	50.76	78.86	1.08	0.79	0.41	0.29	0.65	1.03	3.79	W06/0063
6507/5-4	3575.4m	0.79	50.08	78.34	1.07	0.78	0.40	0.29	0.64	1.00	3.62	W06/0064

List of Sterane Distribution Ratios

Ratio 1: $27d\beta S / 27d\beta S + 27aaR$

Ratio 2: $29aaS / 29aaS + 29aaR$ (%)

Ratio 3: $2 * (29\beta\beta R + 29\beta\beta S) / (29aaS + 29aaR + 2 * (29\beta\beta R + 29\beta\beta S))$ (%)

Ratio 4: $27d\beta S + 27d\beta R + 27daR + 27daS / 29d\beta S + 29d\beta R + 29daR + 29daS$

Ratio 5: $29\beta\beta R + 29\beta\beta S / 29\beta\beta R + 29\beta\beta S + 29aaS$

Ratio 6: $21a + 22a / 21a + 22a + 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

Ratio 7: $21a + 22a / 21a + 22a + 28daS + 28aaS + 29daR + 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

Ratio 8: $29\beta\beta R + 29\beta\beta S / 29aaS + 29\beta\beta R + 29\beta\beta S + 29aaR$

Ratio 9: $29aaS / 29aaR$

Ratio 10: $29\beta\beta R + 29\beta\beta S / 29aaR$

Table 5c: Raw triterpane data (peak height) m/z 191 SIR for NOCS 6507/5-4

Well	Descript.	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aβ	25nor30aβ	Sample
		29aβ	29Ts	30d	29βa	300	30aβ	30βa	30G	31aβS	
		31aβR	32aβS	32aβR	33aβS	33aβR	34aβS	34aβR	35aβS	35aβR	
6507/5-4	3055.2	8854.9 9169.0 3503.7	7607.2 4108.5 3032.4	3283.3 2005.0 2116.7	4293.8 971.4 1765.2	1754.5 0.0 1122.6	6278.2 15963.2 1216.0	5270.7 1426.4 832.3	2566.5 510.8 971.4	3669.9 5339.1 566.3	W06/0073
6507/5-4	3220.8	27056.5 37688.1 17582.3	25470.4 23659.7 17645.0	12880.4 27071.8 11041.6	18215.3 3705.8 11030.9	7944.3 0.0 7552.2	48386.3 71025.4 7066.0	22387.0 7859.4 3977.8	14674.0 0.0 4476.4	26354.2 27373.4 2915.1	W06/0074
6507/5-4	3514m	20516.0 26773.5 10792.0	16233.7 9679.0 9205.5	6774.1 4727.8 5886.7	10009.6 2686.6 4652.8	3515.8 0.0 3008.3	14336.0 48759.1 2513.9	11918.6 3765.1 1676.1	10982.0 2701.9 1919.5	1982.5 16907.1 1078.3	W06/0062
6507/5-4	3559.8m	32636.6 128891.8 72822.0	27773.7 50649.8 69544.8	13155.4 24615.0 44952.8	27125.9 13245.5 43683.5	8208.8 0.0 27167.2	57106.6 273805.1 25488.2	50404.0 22356.3 15857.2	56480.2 18710.9 21654.6	8923.3 111659.7 13004.7	W06/0063
6507/5-4	3575.4m	40302.5 153069.2 86589.7	33552.2 60949.0 84068.2	16326.3 29725.1 54546.3	32351.9 16204.2 53229.6	9744.3 0.0 33864.6	70729.5 337356.0 32645.6	60553.8 27068.0 19382.3	66148.2 23100.0 27016.3	10953.2 136637.9 16913.9	W06/0064

Table 5d: Raw sterane data (peak height) m/z 217 SIR for NOCS 6507/5-4

Well	Descript.	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample	
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BS			
		28aaR	29aaS	29BR	29BS	29aaR						
6507/5-4	3055.2	11735.7	4408.8	12408.1	6732.0	3743.1	2685.0	5855.2	2715.9	2908.2	W06/0073	
		8269.3	4236.4	2898.8	4361.5	1655.8	1226.5	2457.4	3443.5			
		1023.2	2102.5	3035.6	3081.7	1766.3						
6507/5-4	3220.8	43752.0	14039.9	79754.2	45240.3	24717.0	20224.3	40307.0	24708.7	13596.2	W06/0074	
		51069.1	19410.7	8345.1	30021.2	10671.1	3206.2	8731.7	16511.2			
		2837.8	9753.9	12205.5	12312.3	5907.1						
6507/5-4	3514m	31597.9	13052.2	28378.5	14943.7	7385.3	5811.9	12476.3	5731.3	6021.7	W06/0062	
		21199.2	10102.4	5929.4	9794.7	3481.5	2756.9	5887.6	8345.1			
		2096.6	4552.4	7651.2	7709.8	3953.0						
6507/5-4	3559.8m	48494.0	24297.9	76617.9	42033.4	22528.6	17667.1	38037.6	18810.9	19734.7	W06/0063	
		73277.7	36263.1	20037.0	35988.0	14115.3	11297.4	23863.7	33778.9			
		8478.7	18774.3	35322.7	33666.9	18214.4						
6507/5-4	3575.4m	57261.4	28947.8	93241.4	52491.2	27216.1	21672.9	45956.1	21796.8	23740.9	W06/0064	
		89771.2	43549.1	25016.4	44319.6	17699.3	13683.3	29666.1	40288.2			
		10436.0	22934.9	42557.3	40271.0	22864.4						

* 28daR coel with 27aaS, 29dBS coel with 27BR, 28daS coel with 27BS, 29daS coel with 28BR

Table 5e: Raw sterane data (peak height) m/z 218 SIR for NOCS 6507/5-4

Well	Descript.	27 β BR	27 β BS	28 β BR	28 β BS	29 β BR	29 β BS	30 β BR	30 β BS	Sample
6507/5-4	3055.2	7053.8	5141.4	3595.5	4267.5	4476.5	5079.5	852.0	907.4	W06/0073
6507/5-4	3220.8	28736.8	17493.3	13370.7	18081.3	17017.3	18931.9	4416.3	4577.3	W06/0074
6507/5-4	3514m	19026.1	14036.5	10074.0	11524.4	12004.6	13219.5	2421.4	2363.3	W06/0062
6507/5-4	3559.8m	64809.7	47980.4	37859.6	45272.7	53511.1	57335.7	13223.3	12715.4	W06/0063
6507/5-4	3575.4m	76924.5	57691.0	48048.7	55295.9	65211.1	68358.4	15928.1	15652.3	W06/0064

Table 5f: Raw triterpane data (peak height) m/z 177 SIR for NOCS 6507/5-4

Well	Descript.	25nor28aß	25nor30aß	Sample
6507/5-4	3055.2	4292.0	2657.8	W06/0073
6507/5-4	3220.8	14547.0	19111.9	W06/0074
6507/5-4	3514m	10537.1	1119.3	W06/0062
6507/5-4	3559.8m	43747.3	3763.0	W06/0063
6507/5-4	3575.4m	53035.3	4490.9	W06/0064

Table 5g: Amount of triterpanes (ppb) m/z 191 SIR for NOCS 6507/5-4

Well	Descript.	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29ßa	300	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
6507/5-4	3055.2	23434.5 24265.7 9272.6	20132.4 10873.2 8025.2	8689.2 5306.1 5601.8	11363.6 2570.8 4671.6	4643.3 0.0 2971.1	16615.4 42246.4 3218.2	13948.9 3775.1 2202.7	6792.2 1351.8 2570.7	9712.4 14129.8 1498.6	W06/0073
6507/5-4	3220.8	18169.5 25309.0 11807.2	17104.4 15888.4 11849.3	8649.7 18179.8 7414.9	12232.2 2488.6 7407.7	5334.9 0.0 5071.6	32493.3 47696.3 4745.1	15033.7 5277.9 2671.2	9854.2 0.0 3006.1	17697.8 18382.3 1957.6	W06/0074
6507/5-4	3514m	43614.4 56917.1 22942.5	34510.8 20576.3 19569.7	14400.8 10050.7 12514.4	21279.1 5711.3 9891.3	7474.0 0.0 6395.3	30476.5 103655.7 5344.1	25337.5 8004.2 3563.2	23346.4 5744.0 4080.6	4214.5 35942.3 2292.4	W06/0062
6507/5-4	3559.8m	61953.9 244674.9 138237.9	52722.7 96148.4 132016.6	24972.9 46726.6 85333.8	51493.0 25144.0 82924.2	15582.8 0.0 51571.3	108405.4 519763.4 48384.2	95681.7 42439.0 30101.7	107216.3 35518.9 41106.9	16939.1 211963.3 24686.8	W06/0063
6507/5-4	3575.4m	58253.7 221247.9 125157.7	48496.7 88096.4 121513.1	23598.2 42964.9 78841.9	46761.8 23421.8 76938.6	14084.5 0.0 48948.2	102233.3 487618.0 47186.3	87525.1 39124.4 28015.3	95611.3 33389.0 39049.6	15831.9 197497.9 24447.6	W06/0064

Table 5h: Amount of steranes (ppb) m/z 217 SIR for NOCS 6507/5-4

Well	Descript.	21a	22a	27dBS	27dBR	27daR	27daS	28dBS	28dBR	28daR*	Sample
		29dBS*	28daS*	27aaR	29dBR	29daR	28aaS	29daS*	28BS		
		28aaR	29aaS	29BR	29BS	29aaR					
6507/5-4	3055.2	31058.5	11667.9	32838.1	17816.3	9906.2	7106.0	15495.8	7187.7	7696.5	W06/0073
		21884.6	11211.7	7671.6	11542.8	4382.1	3245.8	6503.5	9113.1		
		2707.8	5564.3	8033.7	8155.7	4674.5					
6507/5-4	3220.8	29381.2	9428.3	53558.1	30380.6	16598.4	13581.4	27067.7	16592.9	9130.4	W06/0074
		34294.9	13035.0	5604.1	20160.4	7166.1	2153.1	5863.7	11087.9		
		1905.7	6550.1	8196.5	8268.2	3966.9					
6507/5-4	3514m	67173.1	27747.4	60329.1	31768.4	15700.1	12355.3	26523.1	12184.1	12801.4	W06/0062
		45066.9	21476.4	12605.2	20822.3	7401.2	5860.7	12516.3	17740.7		
		4457.0	9677.9	16265.5	16390.0	8403.7					
6507/5-4	3559.8m	92056.0	46124.6	145443.5	79791.9	42766.0	33537.5	72206.7	35708.7	37462.2	W06/0063
		139103.0	68838.1	38036.2	68315.8	26795.0	21445.8	45300.3	64122.4		
		16095.1	35639.1	67053.0	63909.8	34576.3					
6507/5-4	3575.4m	82766.2	41841.4	134772.2	75871.4	39338.5	31326.2	66425.5	31505.3	34315.4	W06/0064
		129756.3	62946.3	36159.0	64060.1	25582.8	19778.0	42879.7	58233.0		
		15084.3	33150.4	61512.8	58208.2	33048.4					

* 28daR coel with 27aaS, 29dBS coel with 27BR, 28daS coel with 27BS, 29daS coel with 28BR

Table 5i: Amount of standard and weight of sample for NOCS 6507/5-4

<u>Well</u>	<u>Descript.</u>	<u>Standard</u>	<u>Amount</u>	<u>Weight</u>	<u>Sample</u>
6507/5-4	3055.2	20503.9	1.400	25.8	W06/0073
6507/5-4	3220.8	86504.8	1.400	24.1	W06/0074
6507/5-4	3514m	24122.8	1.400	27.3	W06/0062
6507/5-4	3559.8m	35456.9	1.400	20.8	W06/0063
6507/5-4	3575.4m	44635.1	1.400	21.7	W06/0064

Table 6a: Variation in Triaromatic Sterane Distribution (peak height) for NOCS 6507/5-4

<u>Well</u>	<u>Descript.</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Sample</u>
6507/5-4	3055.2	0.43	0.37	0.23	0.20	0.36	W06/0073
6507/5-4	3220.8	0.81	0.76	0.54	0.55	0.67	W06/0074
6507/5-4	3514m	0.82	0.82	0.60	0.57	0.69	W06/0062
6507/5-4	3559.8m	0.74	0.75	0.49	0.44	0.57	W06/0063
6507/5-4	3575.4m	0.73	0.74	0.47	0.42	0.56	W06/0064

Ratio1: $a1 / a1 + g1$

Ratio2: $b1 / b1 + g1$

Ratio3: $a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1$

Ratio4: $a1 / a1 + e1 + f1 + g1$

Ratio5: $a1 / a1 + d1$

Table 6b: Variation in Monoaromatic Sterane Distribution (peak height) for NOCS 6507/5-4

<u>Well</u>	<u>Descript.</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Sample</u>
6507/5-4	3055.2	0.47	0.35	0.34	0.30	W06/0073
6507/5-4	3220.8	0.53	0.46	0.43	0.35	W06/0074
6507/5-4	3514m	0.59	0.40	0.45	0.37	W06/0062
6507/5-4	3559.8m	0.46	0.34	0.32	0.27	W06/0063
6507/5-4	3575.4m	0.46	0.34	0.32	0.26	W06/0064

Ratio1: A1 / A1 + E1
 Ratio2: B1 / B1 + E1

Ratio3: A1 / A1 + E1 + G1
 Ratio4: A1+B1 / A1+B1+C1+D1+E1+F1+G1+H1+I1

Table 6c: Aromatisation of Steranes (peak height) for NOCS 6507/5-4

<u>Well</u>	<u>Descript.</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
6507/5-4	3055.2	0.37	0.95	W06/0073
6507/5-4	3220.8	0.41	0.93	W06/0074
6507/5-4	3514m	0.70	0.86	W06/0062
6507/5-4	3559.8m	0.57	0.91	W06/0063
6507/5-4	3575.4m	0.55	0.91	W06/0064

$$\text{Ratio1: } \frac{C1+D1+E1+F1+G1+H1+I1}{C1+D1+E1+F1+G1+H1+I1 + c1+d1+e1+f1+g1}$$

$$\text{Ratio2: } g1 / g1 + I1$$

Table 6d: Raw triaromatic sterane data (peak height) m/z 231 for NOCS 6507/5-4

Well	Descript.	a1	b1	c1	d1	e1	f1	g1	Sample
6507/5-4	3055.2	6056.5	4821.0	2730.3	10712.9	9641.9	5872.1	8192.3	W06/0073
6507/5-4	3220.8	10156.2	7547.3	1770.2	5058.6	3251.7	2539.4	2431.9	W06/0074
6507/5-4	3514m	24646.3	24321.2	2693.9	11152.4	7657.1	5780.5	5234.8	W06/0062
6507/5-4	3559.8m	38481.1	41372.9	5671.0	28539.7	19837.2	15843.2	13528.5	W06/0063
6507/5-4	3575.4m	34893.4	37200.6	5433.7	27031.3	19402.8	15133.7	12995.4	W06/0064

Table 6e: Raw monoaromatic sterane data (peak height) m/z 253 for NOCS 6507/5-4

Well	Descript.	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
6507/5-4	3055.2	5703.4	3424.7	3739.9	2670.0	6325.3	1528.5	4585.7	2387.8	462.6	W06/0073
6507/5-4	3220.8	3110.4	2413.6	2011.6	1396.6	2795.0	1235.5	1330.0	1509.3	172.7	W06/0074
6507/5-4	3514m	30636.3	14344.2	13959.4	10786.3	21453.8	4662.4	15706.0	8041.6	865.5	W06/0062
6507/5-4	3559.8m	25182.2	14887.1	20409.5	15338.7	29078.2	7043.0	24285.9	12943.3	1356.8	W06/0063
6507/5-4	3575.4m	22144.7	13249.6	17714.2	13447.2	26210.1	6241.9	21743.7	11973.3	1320.6	W06/0064

Table 6f: Aromatic Hydrocarbons data (peak height) m/z 178/192 SIR for NOCS 6507/5-4

Well	Descript.	P	3MP	2MP	9MP	1MP	MPI1	Sample
6507/5-4	3055.2	162667.7	53053.4	58948.5	93236.6	69709.8	0.52	W06/0073
6507/5-4	3220.8	480192.6	180241.6	171773.1	289437.0	199540.1	0.54	W06/0074
6507/5-4	3514m	2302181.0	793124.1	848475.8	1408261.0	1001655.0	0.52	W06/0062
6507/5-4	3559.8m	2055055.0	728459.4	831583.8	1451411.0	1012038.0	0.52	W06/0063
6507/5-4	3575.4m	1781993.0	646131.2	725775.4	1270646.0	891422.9	0.52	W06/0064

Table 6g: Aromatic Hydrocarbons from m/z 142/156 (peak heights (SIR) for ARO FRACTION well NOCS 6507/5-4 SKARV OILS

Well	Descript.	2MN	1MN	2EN	1EN	2.6+2.7-DMN	1.3+1.7-DMN	1.6-DMN	2.3+1.4-DMN	1.5-DMN	1.2-DMN	Sample
6507/5-4	3055.2	2608985.0	2170213.0	244994.0	137827.0	1480916.0	2422116.0	1445300.0	659570.5	379784.8	342856.8	W06/0073
6507/5-4	3220.8	2931889.0	2093185.0	217769.1	139616.1	1513494.0	2545353.0	1932180.0	699012.6	415977.7	340511.3	W06/0074
6507/5-4	3514m	10725750.0	10723430.0	1758722.0	854691.2	8593414.0	10719960.0	9987556.0	3962392.0	2493492.0	1778078.0	W06/0062
6507/5-4	3559.8m	5411993.0	4280890.0	698944.8	349345.5	3800041.0	5736964.0	5147586.0	1854917.0	1174384.0	851797.8	W06/0063
6507/5-4	3575.4m	5842147.0	4476528.0	681243.8	330667.8	3507004.0	5293877.0	4718072.0	1684639.0	1077244.0	774322.0	W06/0064

Table 6h: Aromatic Hydrocarbons data (peak height) m/z 184/198 SIR for NOCS 6507/5-4

Well	Descript.	DBT	4MDBT	2+3MDBT	1MDBT	Sample
6507/5-4	3055.2	50905.0	45031.0	12954.2	14351.8	W06/0073
6507/5-4	3220.8	119986.4	152688.8	39253.8	30984.2	W06/0074
6507/5-4	3514m	1052435.0	989927.0	345267.0	253831.6	W06/0062
6507/5-4	3559.8m	981339.0	987899.8	344220.3	268190.5	W06/0063
6507/5-4	3575.4m	846439.5	854668.2	301843.3	236475.8	W06/0064

Table 6i: Aromatic Hydrocarbons from m/z 170 (peak heights)(SIR) for ARO FRACTION FROM OIL well NOCS 6507/5-4 SKARV

Well	Descript.	1.3.7-TMN	1.3.6-TMN	1.3.5-TMN	2.3.6+-TMN	1.2.7-TMN	1.6.7-TMN	1.2.4-TMN	1.2.5-TMN	Sample
6507/5-4	3055.2	553426.3	737870.6	669390.2	379107.6	356788.2	257379.2	69295.3	368556.2	W06/0073
6507/5-4	3220.8	671933.6	850999.3	716347.1	512296.2	465355.8	289819.6	75947.6	329590.2	W06/0074
6507/5-4	3514m	6829957.0	8761494.0	7907946.0	5734586.0	5226532.0	3422916.0	1090104.0	3694260.0	W06/0062
6507/5-4	3559.8m	2530789.0	3565615.0	3262453.0	2126367.0	1935966.0	1299611.0	406912.7	1533953.0	W06/0063
6507/5-4	3575.4m	2136238.0	3101998.0	2978315.0	1702915.0	1492888.0	1096044.0	312329.6	1336378.0	W06/0064

Table 6j: Amount of standard and weight of sample AROMATIC FRACTION for well NOCs 6507/5-4 SKARV

Well	Descript.	Standard	Amount	Weight	Sample
6507/5-4	3055.2	26743.5	1.416	3.5	W06/0073
6507/5-4	3220.8	37548.0	1.416	5.8	W06/0074
6507/5-4	3514m	172166.3	2.360	7.1	W06/0062
6507/5-4	3559.8m	100212.7	2.360	9.8	W06/0063
6507/5-4	3575.4m	105686.7	2.360	9.9	W06/0064

Table 6k: Amount of triaromatic steranes (ppb) m/z 231 SIR for NOCS 6507/5-4 SKARV

Well	Descript.	a1	b1	c1	d1	e1	f1	g1	Sample
6507/5-4	3055.2	91621.8	72931.3	41303.5	162063.1	145861.1	88832.2	123931.8	W06/0073
6507/5-4	3220.8	66035.8	49072.7	11509.9	32891.1	21142.6	16511.2	15812.3	W06/0074
6507/5-4	3514m	47583.6	46955.9	5201.0	21531.5	14783.2	11160.2	10106.6	W06/0062
6507/5-4	3559.8m	92472.1	99421.2	13627.7	68582.4	47669.8	38072.0	32509.7	W06/0063
6507/5-4	3575.4m	78704.5	83908.6	12256.1	60971.0	43764.4	34135.1	29312.0	W06/0064

Table 6I: Amount of monoaromatic steranes (ppb) m/z 253 SIR for NOCS 6507/5-4 SKARV

Well	Descript.	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
6507/5-4	3055.2	86280.1	51808.3	56576.6	40391.3	95688.1	23122.9	69371.7	36122.3	6998.1	W06/0073
6507/5-4	3220.8	20223.9	15693.3	13079.5	9080.7	18173.2	8033.2	8647.7	9813.5	1122.9	W06/0074
6507/5-4	3514m	59148.2	27693.8	26950.8	20824.7	41420.0	9001.5	30322.9	15525.6	1671.0	W06/0062
6507/5-4	3559.8m	60514.1	35774.5	49045.1	36859.7	69876.4	16924.7	58360.3	31103.4	3260.5	W06/0063
6507/5-4	3575.4m	49948.9	29885.4	39955.6	30331.1	59118.7	14079.0	49044.5	27006.6	2978.7	W06/0064

Table 7a $\delta^{13}\text{C}$ data for Whole oil and Fractions for well 6507/5-4

Lower Depth (m)	sample type	Lithology	EOM or whole oil	SAT	ARO	NSO	ASP	Sample
3055,2	condensate	-	-28,33	-29,27	-27,66	-28,92	-27,81	W06/0073-0
3220,8	light oil	-	-28,25	-28,43	-27,66	-28,71	-28,21	W06/0074-0
3514	condensate	-	-27,98	-28,78	-27,13	-28,6	-28,4	W06/0062-0
3559,8	oil	-	-28,05	-28,81	-27,66	-27,95	-27,63	W06/0063-0
3575,4	oil	-	-28,01	-28,73	-27,58	-27,78	-27,7	W06/0064-0

Table 7b Canonical Variables (Sofer 1984) from $\delta^{13}\text{C}$ of saturate and aromatic hydrocarbon fractions for well 6507/5-4

Lower Depth (m)	sample type	Lithology	SAT	ARO	CV	Sample
3055,2	condensate	-	-29,27			W06/0073-0
3220,8	light oil	-	-28,43	-27,66	-1,13	W06/0074-0
3514	condensate	-	-28,78	-27,13	0,93	W06/0062-0
3559,8	oil	-	-28,81	-27,66	-0,17	W06/0063-0
3575,4	oil	-	-28,73	-27,58	-0,19	W06/0064-0