1.6 MDT PRESSURE DATA

Tables 1.9 list the MDT results.

Table 1.9 35/8-4 MDT Pressure Summary in the 8 ½" section - Run 1A

Test No	Run No	Depth WL mMD RKB	Depth LWD mMD RKB	Mud Hydrostatic Before (HPG psia)	Mud Hydrostatic After (HPG psia)	Formation Pressure (HPG psia)	Pretest Mobility $k_{HP}h/mu$ md	Remarks
1	1A	3635.3	3631.5	7051.7	7047.7	-	-	Dry
2	1A	3635.4	3631.6	7053.6	7048.7	-	-	Dry
3	1A	3635.0	3631.2	7051.8	7048.7	-	-	Dry - tried dual draw down
4	1A	3635.1	3631.4	7052.3	7049.3	-	-	Dry
5	1A	3644.8	3640.5	7071.3	7068.0	-	-	Dry
6	1A	3647.7	3643.5	7076.4	7073.6	-	-	Dry
7	1A	3647.9	3643.7	7076.7	7073.7	-	-	Dry
8	1A	3657.0	3653.5	7095.3	7092.7	6466.5	-	Tentative - Resumed building up
9	1A	3657.5	3654.0	7095.6	7095.3	6532.7	-	Tentative - Resumed building up
10	1A	3657.7	3654.2	7096.1	7093.9	-	-	Supercharging
11	1A	3658.7	3655.2	7097.3	7095.2	6765.2	-	Tentative - Resumed building up
12	1A	3658.7	3655.2	7095.5	7095.3	-	-	Upper probe - tending to supercharge
	1A		Wireline	RECORRELATE				
13	1A	3635.6	3631.5	7049.5	7049.5	-	-	Dry - lower probe
14	1A	3644.5	3640.5	7066.8	7066.7	-	-	Supercharging
15	1A	3547.0	3643.0	7072.7	7072.0	-	-	Building up
16	1A	3663.0	3659.3	7104.2	7103.3	6511.7	0.3	Good (Super-charged?)
17	1A	3665.1	3661.0	7107.4	7106.4	6434.1	0.2	Good?
18	1A	3667.3	3663.2	7111.5	7110.6	-	-	Dry
19	1A	3671.2	3667.0	7118.4	7117.4	-	-	Dry
20	1A	3671.5	3667.3	7118.8	7117.7	-	-	Dry
21	1A	3671.8	3667.6	7118.7	7118.3	-	-	Dry
22	1A	3696.7	3692.5	7167.6	7166.1	-	-	Supercharged
23	1A	3705.2	3701.0	7183.8	7182.5	6179.5	-	Good

Table 1.9 35/8-4 MDT Pressure Summary in the 8 ½" section - Run 1A

Test No	Run No	Depth WL mMD RKB	Depth LWD mMD RKB	Mud Hydrostatic Before (HPG psia)	Mud Hydrostatic After (HPG psia)	Formation Pressure (HPG psia)	Pretest Mobility $k_{HP}h/mu$ md	Remarks
24	1A	3706.2	3702.0	7185.4	7184.1		-	Supercharged
25	1A	3707.2	3703.0	7187.3	-	6151.7	-	Good?. Attempted sampling, human error: failed
26	1A	3707.7	3703.5	7188.3	7186.7	-	-	Supercharged
27	1A	3710.2	3706.0	7192.6	7191.5	-	-	Dry??
28	1A	3707.2	3703.0	7185.7	7185.3	6215.3	-	Aborted whilst building up
29	1A	3707.5	3703.3	7186.1	7185.7	-	-	Abandoned
30	1A	3707.2	3703.0	7184.0	7184.1		-	Try sample, no significant build up, abandoned
31	1A	3708.2	3704.0	7184.7	7183.9		-	Slow build, sample taken, abandoned after 10 minutes

1.7 MDT FLUID SAMPLE

The Schlumberger Modular Dynamic Tester (MDT) was used to take formation fluid samples at single level in the J46 reservoir section.

Table 1.10 MDT Fluid Sample Details

WL Depth mBRT	LWD Depth mBRT	Chamber Code	Chamber Size	Comp. Analysis	Content	Geochem Sub Sample	Transf. Volume (cc)	Transf. To bottle no.	Comments
3705.2	3701	175-GA3	1 gal	G/W	0.5l	Yes	300	5728EA	500cc sample collected
3703	3707.2	203	1 gal	Mud	-	-	-	Valve accidentally opened and chamber filled with mud.	

1.8 Mud Summary

36" conductor hole	Sea water/Bentonite hi-vis pills 1.2 SG hi-vis mud left in hole for casing run 1,894 bbls used Total cost 103 229 NOK
26" surface hole	Sea water/Bentonite hi-vis pills 1.20 SG hi-vis mud left in hole for casing run 753 bbls used Total Cost 144 276 NOK
17 1/2" intermediate hole	Barasilc (Sodium Silicate) mud 1.23 - 1.30 SG 6,105 bbls used Total Cost 2 080 069 NOK
12 1/4" intermediate hole	Barasilc (Sodium Silicate) mud 1.30 - 1.35 SG 1,565 bbls used Total Cost 534 035 NOK
8.1/2" hole	KCl Polymer/GEM Mud (1.30 SG) Sodium Silicate concentration allowed to deplete naturally 2 48 bbls used Total Cost 326 714 NOK

Company:	**BP Amoco**	**Country:**	**NORWAY**
Well Name:	**35/8-4**	**Geo Area:**	**NORTH SEA**
Contractor:	**SMEDVIG**	**Field:**	**AURORA**
Rig:	**WEST ALPHA**	**Region:**	**WEST OF FLORØ**

Total Material Consumption

Material	Unit size	Quantity	Total cost (Kr)
BARASCAV D	25 KG. BAG	181	31,628.00
BARASIL-S	1000 L.	21.000	108,054.00
BARAZAN-D PLUS	25 KG. BAG	107	170,558.00
barite	1000 KG. TON	374.000	246,466.00
bentonite	1000 KG. TON	84.000	165,564.00
DCP 208	1 L.	31,000	396,490.00
FILTER-CHEK	50 LB. BAG	905	422,740.00
kcl	1000 KG. BAG	21	34,624.00
KCl/BARASILC-S brine	1 L. BULK	1,080.000	1,311,358.50
lime	25 KG. BAG	16	752.00
mica coarse	25 KG. BAG	1	79.00
PAC-L	25 KG. BAG	398	257,604.00
potassium chloride brine	1000 L.	73.000	42,924.00
soda ash	25 KG. BAG	55	3,630.00
WALL-NUT FINE	25 KG. BAG	10	700.00
WALL-NUT MEDIUM	25 KG. BAG	14	980.00
Miscellaneous Items			
Barite (cement)			27,019.00

Total mud cost	**Kr3,194,151.50**
Total miscellaneous cost	**Kr 27,019.00**
Total cost	**Kr3,221,170.50**
Programmed mud cost	**Kr2,573,117.00**
Variance	**Kr 621,034.50**

Company:	BP Amoco	**Country:**	NORWAY
Well Name:	35/8-4	**Geo Area:**	NORTH SEA
Contractor:	SMEDVIG	**Field:**	AURORA
Rig:	WEST ALPHA	**Region:**	WEST OF FLORØ

Interval Material Consumption

Interval # 01 **36 in. Hole Section** **Top of Interval** 390 m
Bottom of Interval 473 m

Material	Unit size	Quantity	Total cost (Kr)
barite	1000 KG. TON	92.000	60,628.00
bentonite	1000 KG. TON	20.000	39,420.00
mica coarse	25 KG. BAG	1	79.00
soda ash	25 KG. BAG	47	3,102.00

Interval mud cost Kr 103,229.00

Programmed mud cost Kr 48,516.00

Variance Kr 54,713.00

Company:	**BP Amoco**	**Country:**	**NORWAY**
Well Name:	**35/8-4**	**Geo Area:**	**NORTH SEA**
Contractor:	**SMEDVIG**	**Field:**	**AURORA**
Rig:	**WEST ALPHA**	**Region:**	**WEST OF FLORØ**

Interval Material Consumption

Interval # 02 **26 in. Hole Section**

Top of Interval 473 m
Bottom of Interval 910 m

Material	Unit size	Quantity	Total cost (Kr)
barite	1000 KG. TON	26.000	17,134.00
bentonite	1000 KG. TON	64.000	126,144.00
lime	25 KG. BAG	10	470.00
soda ash	25 KG. BAG	8	528.00

Interval mud cost Kr 144,276.00

Programmed mud cost Kr 119,195.00

Variance Kr 25,081.00

Company:	BP Amoco	Country:	NORWAY
Well Name:	35/8-4	Geo Area:	NORTH SEA
Contractor:	SMEDVIG	Field:	AURORA
Rig:	WEST ALPHA	Region:	WEST OF FLORØ

Interval Material Consumption

Interval # 03 **17.5 in. Hole Section** **Top of Interval** 910 m **Bottom of Interval** 2,017 m

Material	Unit size	Quantity	Total cost (Kr)
BARASCAV D	25 KG. BAG	116	19,488.00
BARASIL-S	1000 L.	8.000	36,248.00
BARAZAN-D PLUS	25 KG. BAG	65	103,610.00
barite	1000 KG. TON	142.000	93,578.00
FILTER-CHEK	50 LB. BAG	691	314,456.00
KCl	1000 KG. BAG	19	31,318.00
KCl/BARASILC-S BRINE wate	1 L. BULK	1,066.000	1,293,041.46
Lime	25 KG. BAG	6	282.00
PAC-L	25 KG. BAG	292	188,048.00

Interval mud cost Kr2,080,069.46

Programmed mud cost Kr1,193,080.00

Variance Kr 886,989.46

Company:	BP Amoco	**Country:**	NORWAY
Well Name:	35/8-4	**Geo Area:**	NORTH SEA
Contractor:	SMEDVIG	**Field:**	AURORA
Rig:	WEST ALPHA	**Region:**	WEST OF FLORØ

Interval Material Consumption

Interval # 04 **12.25 in. Hole Section**

Top of Interval 2,017 m
Bottom of Interval 3,356 m

Material	Unit size	Quantity	Total cost (Kr)
BARASCAV D	25 KG. BAG	8	1,424.00
BARASIL-S	1000 L.	13.000	71,806.00
BARAZAN-D PLUS	25 KG. BAG	36	57,384.00
Barite	1000 KG. TON	50.000	32,950.00
DCP 208	1 L.	23,000	294,170.00
FILTER-CHEK	50 LB. BAG	68	34,408.00
KCl/BARASILC-S brine	1 L. BULK	14.000	18,317.04
PAC-L	25 KG. BAG	34	21,896.00
WALL-NUT FINE	25 KG. BAG	10	700.00
WALL-NUT MEDIUM	25 KG. BAG	14	980.00

Interval mud cost Kr 534,035.04

Programmed mud cost Kr 883,333.00

Variance Kr -349,297.96

Company:	BP Amoco	**Country:**	NORWAY
Well Name:	35/8-4	**Geo Area:**	NORTH SEA
Contractor:	SMEDVIG	**Field:**	AURORA
Rig:	WEST ALPHA	**Region:**	WEST OF FLORØ

Interval Material Consumption

Interval # 05 **8.5 in. Hole Section** — **Top of Interval** 3,356 m — **Bottom of Interval** 3,719 m

Material	Unit size	Quantity	Total cost (Kr)
BARASCAV D	25 KG. BAG	26	4,888.00
BARAZAN-D PLUS	25 KG. BAG	6	9,564.00
Barite	1000 KG. TON	64.000	42,176.00
DCP 208	1 L.	8,000	102,320.00
FILTER-CHEK	50 LB. BAG	146	73,876.00
KCl	1000 KG. BAG	2	3,306.00
PAC-L	25 KG. BAG	72	47,660.00
Potassium chloride brine	1000 L.	73.000	42,924.00
Miscellaneous Items			
Barite (for cement)	1000 KG. TON	21	13,839.00

Interval mud cost	Kr	326,714.00
Interval miscellaneous cost	Kr	13,839.00
Total interval cost	Kr	340,553.00
Programmed mud cost	Kr	328,993.00
Variance	Kr	-2,279.00

Company:	BP Amoco	**Country:**	NORWAY
Well Name:	35/8-4	**Geo Area:**	NORTH SEA
Contractor:	SMEDVIG	**Field:**	AURORA
Rig:	WEST ALPHA	**Region:**	WEST OF FLORØ

Interval Material Consumption

Interval # 06 8.5 in. Hole Section

Top of Interval 3,719 m
Bottom of Interval 3,719 m

Material	Unit size	Quantity	Total cost (Kr)
BARASCAV D	25 KG. BAG	31	5,828.00
Miscellaneous Items			
Barite (for cement)	1000 KG. TON	20	13,180.00

Interval mud cost	**Kr**	**5,828.00**
Interval miscellaneous cost	**Kr**	**13,180.00**
Total interval cost	**Kr**	**19,008.00**

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GEOCHEMICAL DATA
REPORT

GEOLAB NOR AS
PO Box 5740
7437 Trondheim
Norway

Tel: (47) 73 964000
Fax: (47) 73 965974

E-Mail : mail@geolabnor.no

CLIENT:

BP Amoco Norge
Verven
Stavanger

REF(S)
Kjell Øygard

TITLE

Geochemical Report, Well 35/8-4 Analyses of MDT Oil sample

AUTHOR(S)

Sunil Bharati

GEOLAB PROJECT NO.	DATE
62504	22th November, 1999
PROJECT MANAGER	QA RESPONSIBLE
Sunil Bharati, Lab. Manager	Peter B. Hall, Sr. Scientist
REPORT NO./FILE	PAGE 1 of 1

Brief Observations & Report – MDT sample 3507.20 m

2 samples were received from BP Amoco for analyses: one mud and the other an MDT sample from 3705.20 m.

Mud: After standing undisturbed for about 2 days, a thin oily layer separated out which floated on top. This was pipetted out and analysed by EOM GC. In addition, the mud itself was solvent extracted and this too was analysed by EOM GC. Both gave similar results and apparently, the mud additive does not contain any major hydrocarbons, which can potentially interfere with in-situ hydrocarbons. The mud additive consists of a series of unidentified compounds, believed to be non-hydrocarbons. No further tests were conducted on the mud sample.

MDT sample: This sample consisted of more than 95% by volume mud and an estimated 2-4% by volume droplets of oil. As the main objective was to characterise the oil (preferably as an oil phase rather than solvent extracting it), the sample was allowed to stand for 2 days and then a portion subjected to centrifuging. This separated out the oil phase and an estimated 4-5 ml of oil was obtained. This was successfully analysed by Whole oil GC and other follow up analyses.

Table 1A: Light Hydrocarbons from Whole Oil GC for NOCS 35/8-4

Well	Description	iC4	nC4	iC5	nC5	2,2DMC4	2,3DMC4	2MC5	3MC5	nC6	MCyC5	Benz	Sample
35/8-4	MDT 3705.2	-	-	-	-	0.06	0.09	-	-	0.48	0.54	0.25	S93/0001

Table 1B: Light Hydrocarbons from Whole Oil GC for NOCS 35/8-4

Well	Description	CyC6	2MC6	3MC6	1,3ci-DMCyC5	1,3tr-DMCyC5	1,2tr-DMCyC5	nC7	MCyC6	Tol	nC8	p/m-Xylene	Sample
35/8-4	MDT 3705.2	2.14	0.66	0.65	0.32	0.31	0.60	2.65	7.74	3.02	8.11	5.33	S93/0001

Table 1c: Thompson's indices for NOCS 35/8-4

Well	Description	A	B	X	W	C	I	F	H	U	R	S	Sample
35/8-4	MDT 3705.2	0.52	1.14	0.66	1.17	0.32	1.07	0.34	17.48	3.96	4.02	8.00	S93/0001

THOMPSON'S INDICES

$$A = \frac{\text{Benzene}}{\text{nC6}} \qquad B = \frac{\text{Toluene}}{\text{nC7}} \qquad X = \frac{\text{p/m-xylene}}{\text{nC8}} \qquad W = \frac{\text{Benzene} * 10}{\text{CyC6}}$$

$$C = \frac{\text{nC6} + \text{nC7}}{\text{CyC6} + \text{MCyC6}} \qquad I = \frac{\text{2MC6} + \text{3MC6}}{\text{1,3ciDMCyC5} + \text{1,3trDMCyC5} + \text{1,2trDMCyC5}} \qquad F = \frac{\text{nC7}}{\text{MCyC6}}$$

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

$$U = \frac{\text{CyC6}}{\text{MCyC5}} \qquad R = \frac{\text{nC7}}{\text{2MC6}} \qquad S = \frac{\text{nC6}}{\text{2,2DMC4}}$$

Table 2a: MPLC Bulk Composition: Weight of Oil and Fraction for NOCS 35/8-4

Well	Description	Whole oil (mg)	Light (mg)	Topped (mg)	Sat (mg)	Aro (mg)	Asph (mg)	NSO (mg)	HC (mg)	Non-HC (mg)	Sample
35/8-4	MDT 3705.2	777.3	89.7	687.6	507.2	167.5	0.9	12.0	674.7	12.9	S93/0001

Table 2b: MPLC Bulk Composition: Comparison of topped oil (%) for NOCS 35/8-4

Well	Description	Sat	Aro	Asph	NSO	Total	HC	Non-HC	Recov. MPLC	Recov. Asph	Sample
35/8-4	MDT 3705.2	73.77	24.36	0.13	1.74	100.00	98.13	1.87	-	1.30	S93/0001

Table 2c: MPLC Bulk Composition: Ratios in topped oil for NOCS 35/8-4

Well	Description	Sat / Aro	HC / Non-HC	Asp / NSO	Sample
35/8-4	MDT 3705.2	3.03	52.45	0.08	S93/0001

Table 3: Saturated Hydrocarbon Ratios (peak area) for NOCS 35/8-4

Well	Description	Pristane / nC17	Pristane / Phytane	Pristane/nC17 / Phytane/nC18	Phytane / nC18	CPI1	nC17 / nC17+nC27	Sample
35/8-4	MDT 3705.2	0.78	3.23	2.45	0.32	1.12	0.82	S93/0001

Table 4a: Aromatic Hydrocarbon Ratios (peak area) for NOCS 35/8-4

Well	Description	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
35/8-4	MDT 3705.2	1.38	2.93	0.20	1.61	0.92	1.14	0.95	-	-	-	S93/0001

Table 4b: Aromatic Hydrocarbon Ratios (peak area) for NOCS 35/8-4

Well	Description	F1	F2	Sample
35/8-4	MDT 3705.2	0.51	0.32	S93/0001

Table 5a: Tabulation of carbon isotope data on oils for NOCS 35/8-4

Well	Descript.	Whole oil	Topped oil	Saturated	Aromatic	NSO	Asphaltenes	Sample
35/8-4	MDT 3705.2	-26.74	-	-26.76	-25.76	-26.47	-24.94	S93/0001

Table 5b: Tabulation of cv values from carbon isotope data for NOCS 35/8-4

Well	Descript.	Saturated	Aromatic	cv value	Sample
35/8-4	MDT 3705.2	-26.76	-25.76	-1.13	S93/0001

Table 6a: Variation in Triterpane Distribution (peak height) SIR for NOCS 35/8-4

Well	Descript.	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Rat.10	Rat.11	Rat.12	Rat.13	Rat.14	Sample
35/8-4	MDT 3705.2	0.62	0.38	0.16	0.42	0.30	0.35	0.08	0.19	0.07	0.06	0.90	0.29	0.11	61.16	S93/0001

List of Triterpane Distribution Ratios

Ratio 1: 27Tm / 27Ts

Ratio 2: 27Tm / 27Tm+27Ts

Ratio 3: 27Tm / 27Tm+30aß+30ßa

Ratio 4: 29aß / 30aß

Ratio 5: 29aß / 29aß+30aß

Ratio 6: 30d / 30aß

Ratio 7: 28aß / 30aß

Ratio 8: 28aß / 29aß

Ratio 9: 28aß / 28aß+30aß

Ratio 10: 24/3 / 30aß

Ratio 11: 30aß / 30aß+30ßa

Ratio 12: 29aß+29ßa / 29aß+29ßa+30aß+30ßa

Ratio 13: 29ßa+30ßa / 29aß+30aß

Ratio 14: 32aßS / 32aßS+32aßR (%)

Table 6b: Variation in Sterane Distribution (peak height) SIR for NOCS 35/8-4

Well	Descript.	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
35/8-4	MDT 3705.2	0.76	54.25	76.22	1.17	0.75	0.36	0.27	0.62	1.19	3.50	S93/0001

List of Sterane Distribution Ratios

Ratio 1: 27dßS / 27dßS+27aaR

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

Ratio 3: 2*(29ßßR+29ßßS) / (29aaS+29aaR + 2*(29ßßR+29ßßS)) (%)

Ratio 4: 27dßS+27dßR+27daR+27daS / 29dßS+29dßR+29daR+29daS

Ratio 5: 29ßßR+29ßßS / 29ßßR+29ßßS+29aaS

Ratio 6: 21a+22a / 21a+22a+29aaS+29ßßR+29ßßS+29aaR

Ratio 7: 21a+22a / 21a+22a+28daS+28aaS+29daR+29aaS+29ßßR+29ßßS+29aaR

Ratio 8: 29ßßR+29ßßS / 29aaS+29ßßR+29ßßS+29aaR

Ratio 9: 29aaS / 29aaR

Ratio 10: 29ßßR+29ßßS / 29aaR

Table 6c: Raw triterpane data (peak height) m/z 191 SIR for NOCS 35/8-4

Well	Descript.	23/3	24/3	25/3	24/4	26/3	27Ts	27Tm	28aß	25nor30aß	Sample
		29aß	29Ts	30d	29ßa	30O	30aß	30ßa	30G	31aßS	
		31aßR	32aßS	32aßR	33aßS	33aßR	34aßS	34aßR	35aßS	35aßR	
35/8-4	MDT 3705.2	5354.5	3364.0	1553.5	5958.0	1220.5	19536.7	12023.2	4634.7	4203.6	S93/0001
		24274.7	17616.9	20232.3	2121.7	0.0	57340.8	6550.7	0.0	22489.8	
		15334.2	16044.6	10188.5	8969.5	6083.1	5750.4	3778.8	3494.8	2081.5	

Table 6d: Raw sterane data (peak height) m/z 217 SIR for NOCS 35/8-4

Well	Descript.	21a	22a	27dßS	27dßR	27daR	27daS	28dßS	28dßR	28daR*	Sample
		29dßS*	28daS*	27aaR	29dßR	29daR	28aaS	29daS*	28ßßS		
		28aaR	29aaS	29ßßR	29ßßS	29aaR					
35/8-4	MDT 3705.2	6852.4	3185.0	14368.1	8972.3	5274.7	3497.6	6450.1	3398.6	3879.9	S93/0001
		14316.1	5319.2	4653.7	7366.0	2645.6	1590.9	3171.1	4424.5		
		1085.7	3643.4	5172.5	5591.9	3072.1					

* 28daR coel with 27aaS, 29dßS coel with 27ßßR, 28daS coel with 27ßßS, 29daS coel with 28ßßR

Table 6e: Raw sterane data (peak height) m/z 218 SIR for NOCS 35/8-4

Well	Descript.	27ßßR	27ßßS	28ßßR	28ßßS	29ßßR	29ßßS	30ßßR	30ßßS	Sample
35/8-4	MDT 3705.2	10542.8	6518.4	5045.5	5936.3	8013.1	9093.3	1316.2	1261.8	S93/0001

Table 6f: Raw triterpane data (peak height) m/z 177 SIR for NOCS 35/8-4

Well	Descript.	25nor28aß	25nor30aß	Sample
35/8-4	MDT 3705.2	3255.8	2377.1	S93/0001

Table 7a: Variation in Triaromatic Sterane Distribution (peak height) for NOCS 35/8-4

Well	Descript.	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Sample
35/8-4	MDT 3705.2	0.79	0.76	0.58	0.55	0.73	S93/0001

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 7b: Variation in Monoaromatic Sterane Distribution (peak height) for NOCS 35/8-4

Well	Descript.	Ratio1	Ratio2	Ratio3	Ratio4	Sample
35/8-4	MDT 3705.2	0.53	0.45	0.37	0.33	S93/0001

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 7c: Aromatisation of Steranes (peak height) for NOCS 35/8-4

Well	Descript.	Ratio1	Ratio2	Sample
35/8-4	MDT 3705.2	0.52	0.87	S93/0001

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

Ratio2: g1 / g1 + I1

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Table 7d: Raw triaromatic sterane data (peak height) m/z 231 for NOCS 35/8-4

Well	Descript.	a1	b1	c1	d1	e1	f1	g1	Sample
35/8-4	MDT 3705.2	11720.2	9838.5	1611.9	4431.8	3967.1	2464.6	3181.6	S93/0001

Table 7e: Raw monoaromatic sterane data (peak height) m/z 253 for NOCS 35/8-4

Well	Descript.	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
35/8-4	MDT 3705.2	4710.2	3525.3	2622.8	2158.1	4257.5	1210.8	3606.4	2472.0	482.6	S93/0001