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1.6 TESTS

1.6.1 MDT PRESSURE TEST DATA

Run	Test	Depth mMDBRT	Depth mTVDSS	Mud Hydrostatic (psia)		Formation Pressure (psia)	Comment
				Before	After		
2A	1	3712.0	3693.1.1	6370.0	6367.7	-	Pressure drop
"	2	3712.0	3693.1.1	6370.0	6367.7	-	Tight
"	3	3742.0	3723.0	6419.1	6418.9	-	Dry test
"	4	3750.0	3731.0	6434.9	6435.1	5745.4	Good Test
"	5	3754.0	3735.0	6441.8	6441.5	5835.3	Tight
"	6	3761.0	3741.9	6454.2	6454.0	5732.7	Good Test
"	7	3764.0	3744.9	6458.6	6460.3	-	Supercharged
"	8	3770.0	3750.9	6469.8	6471.2	-	Tight
"	9	3833.0	3813.6	6577.2	6577.6	5792.7	Tight
"	10	3837.0	387.6	-	6586.6	5815.0	
"	11	3849.0	3829.6	6604.8	6404.8	-	Supercharged
"	12	3865.0	3845.5	6634.1	6629.7	5863.4	Tight?
"	13	3878.0	3858.4	6656.2	6654.6	5856.7	Tight?
"	14	3889.0	3869.4	6672.6	6675.0	5947.2	Tight?
"	15	3649.5	3630.8	6263.9	6262.9	5419.9	Tight-no stabilisation
"	16	3650.0	3631.3	6263.9	6262.9	5420.1	Tight-no stabilisation
2B	1	3653.2	3634.5	-	6328.2	5423.7	Sample
2A	17	3655.0	3636.3	6273.4	6271.7	5424.6	Good-no stabilisation
"	18	3660.0	3641.3	6279.9	6280.6	-	Lost seal
"	19	3660.5	3641.8	6283.1	6282.9	5429.7	Good Test
"	20	3665.0	3646.2	6290.8	6290.9	5433.8	Good Test
2B	2	3668.0	3649.2	-	6320.0	5436.4	Sample
2A	21	3670	3651.2	6297.5	6298.1	5438.3	Good Test
"	22	3675.0	3656.2	6306.5	6307.2	5442.8	Tight-no stabilisation
"	23	3680.0	3661.2	6314.8	6315.5	5448.1	Tight-no stabilisation
"	24	3685.0	3666.2	6323.9	6324.8	5452.7	Tight-no stabilisation
"	25	3690.0	3671.1	6333.6	6332.3	5456.3	Tight-no stabilisation
"	26	3692.0	3673.1	6335.6	6335.8	5458.5	Tight
"	27	3694.0	3675.1	6338.7	6340.1	-	Tight-no stabilisation
"	28	3696	3677.1	6343.0	6342.8	5461.9	Good Test
"	29	3696.5	3677.7	-	6339.9	5462.5	Good Test
"	30	3698.0	3697.1	6345.6	6346.2	-	Tight - no seal
"	31	3698.5	3679.6	6345.5	6343.8	5464.8	Good Test
"	32	3700	3681.1	6348.4	6348.3	5466.2	Tight - no seal
"	33	3701.5	3682.6	6350.5	6350.5	-	Tight - lost seal
2B	3	3701.8	3682.9	-	6348.8	5468.9	Unsuccessful sample
2A	34	3702.0	3683.1	6351.0	6351.6	-	Tight - lost seal
"	35	3702.5	3683.6	6351.8	6351.9	5468.8	Good Test
2B	4	3702.5	3683.6	-	6351.1	5473.2	Tight
2A	36	3704.0	3685.1	6355.9	6356.1	5546.5	Tight
"	37	3705.5	3686.6	6357.8	6358.0	-	Tight
"	38	3706.0	3687.1	6358.3	6357.9	-	Dry test
2B	5	3707.2	3688.3	-	6357.2	5579.6	Tight
2A	39	3707.5	3688.6	6360.2	6360.9	-	Dry test
"	40	3707.5	3688.6	6359.8	6361.2	5597.6	Good Test
"	41	3708.0	3689.1	6361.9	6362.9	-	Tight


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2B	6	3708.2	3689.3	-	6359.1	5555.8	Tight
2A	42	3708.3	3689.4	6361.3	6360.3	5571.6	Good Test
“	43	3709.5	3690.6	6364.2	6364.4	5613.9	Tight
“	44	3710.0	3691.1	6365.6	6365.6	-	Tight
“	45	3710.2	3691.3	6365.5	6366.0	-	Dry test

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1.6.2 MDT SAMPLING DATA

Sample No.	Depth mBRT	Depth mTVDSS	Mobility Md	Initial Hydrostatic P psia	Formation Pressure psia	Final Hydrostatic P psia	Draw Down Min	Vol. cm ³	Comments
1.02	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	435	T 123.4° C, dd 20.0
1.05	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	435	T 123.7° C, dd 20.0
1.10	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	420	T 123.4° C, dd 20.0
1.11	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.12	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.13	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.14	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.15	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.16	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.17	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.18	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.19	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.20	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.21	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.22	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.23	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	600	T 123.7° C, dd 20.0
1.24	3653.2	3634,5	41.1	6265,1	5423,7	6328.2	1.20	175	T 123.7° C, dd 20.0
1.03	3668.0	3649.2	41.1	6316.0	5436.4	6320.0		210	T 123.5° C, dd 20.0
1.04	3668.0	3649.2	41.1	6316.0	5436.4	6320.0		335	T 123.7° C, dd 20.0
1.07	3668.0	3649.2	41.1	6316.0	5436.4	6320.0		3500	T 123.7° C, dd 20.0
1.08	3668.0	3649.2	41.1	6316.0	5436.4	6320.0		3500	T 123.7° C, dd 20.0
1.09	3668.0	3649.2	41.1	6316.0	5436.4	6320.0		1900	T 123.7° C, dd 20.0
1.01	3701.8	3682.9	10.8	6346.9	5468.9	6348.8	5.58	230	T 127.0° C, dd 20.0
1.06	3701.8	3682.9	10.8	6346.9	5468.9	6348.8	5.58	385	T 126.9° C, dd 20.0
1.25	3701.8	3682.9	10.8	6346.9	5468.9	6348.8	5.58	400	T 126.9° C, dd 20.0

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1.6.3 DST PRESSURE TEST DATA

For full details of the well test and well test procedure see 6507/5-5 Well Test Completion report and the Schlumberger 6507/5-5 Well Test Report

Test Outline

The perforation guns were picked up on 24th January 2002 at 6:00am. The string was run in the hole and, after correlation, 55m of TCP guns were set with the top shot set at 3648m RKB.

The well was perforated on the 28th January at 10:04 and after a 30min build up the well was opened on a 16/64" choke. Over the next seven and a half hours the well was cleaned up and several different choke sizes were tried to obtain needed data to predict the best choke size to use during the main flow period. The well was flowed at a rate of approximately 6,000 bbls /day on a maximum choke setting of 64/64". A safety set of samples was taken.

At 18:01 the down hole valve (IRDV) was shut and the initial build up of 11.62 hours begun.

The well was re-opened on January 29th at 5:33 and quickly beamed up to a fixed choke size of 52/64". The surface samples were taken and, four hours into the flow, the Metrol activated Oilphase bottom hole samples activated and bottom hole samples were obtained. (Activation was by annulus pressure pulses to a transceiver above the packer and acoustic coupling to the below packer samplers. Two of the four samples look good; two are undergoing further investigation.)

The well was shut in after a 14-hour flow at the IRDV at 19:40 on 29th January and allowed to build up for thirty hours.

The well kill began on 31st January at 1:35 and the bottom hole assembly was out of the hole on February 2nd at 6:30.

All eight of the Schlumberger bottom hole pressure recorders worked as planned and a full set of bottom hole pressure data obtained.

Flow Rate, duration and cumulative production

Summary Flow Data of the Test

(Note: Post test review may change some of the preliminary results shown below; See Schlumberger Well Test Report for final results.)

Flow Period	Duration Hrs	Oil Rate bbls/day (average)	Cumulative Oil flowed bbls	Gas Rate mmscf/d	Cumulative Gas flowed mmscf
Post perforation build up	0.66	0	0	0	0
Clean up flow	7.27	6,000	1,817	5.9	1.78
Initial Build up	11.62	0	1,817	0	1.78
Main Flow	14.07	5880	5,264	5.8	5.18
Main Build up	29.90	0	5,264	0	5.18

Down Hole Pressure recording

6 x Schlumberger Gauges and 2x Metrol Gauges were run on the DST string to record bottom hole pressures below the tester valve and in the annulus.

Sampling

Single-phase bottom hole sampling:

Bottom hole samples were taken By Schlumberger BH-chambers fixed on the testing string and activated from surface by way of Metrol Acoustic coupling.

Surface sampling

During Clean-up flow, samples were taken at the wellhead.

During Main Flow, sampling was performed at the gas and oil outlet of the separator and at the well head (See Oilphase Sampling Report).

Main results – Main Flow Listings

DATE	TIME	729-P [psia]	729-T [degC]	WHP [psia]	WHT [degC]	OILQ [bbl/d]	GASQ [MMscf/d]	GOR [scf/bbl]	WATERQ [bbl/d]	CHOKE [°/64]	Rot-MF [-]
29-Jan-02	05:00:00	5375.16	128.68	1011.72	1.35	0.00	0.000	0.0	0.00	0	1.000
29-Jan-02	05:05:00	5374.94	128.73	1011.69	1.35	0.00	0.000	0.0	0.00	0	1.000
29-Jan-02	05:10:00	5375.20	128.68	1014.36	1.35	0.00	0.000	0.0	0.00	0	1.000
29-Jan-02	05:15:00	5375.22	128.66	1014.20	1.36	0.00	0.000	0.0	0.00	0	1.000
29-Jan-02	05:20:00	5375.24	128.66	1014.54	1.36	0.00	0.000	0.0	0.00	0	1.000
29-Jan-02	05:25:00	5375.26	128.65	1014.44	1.44	0.00	0.000	0.0	0.00	0	1.000
29-Jan-02	05:30:00	5375.28	128.65	1016.41	1.40	0.00	0.000	0.0	0.00	0	1.000
29-Jan-02	05:35:00	5321.73	129.15	1435.01	3.29	0.00	0.000	0.0	0.00	0	1.000
29-Jan-02	05:40:00	5352.95	129.87	1881.69	4.97	0.00	0.000	0.0	0.00	16	0.926
29-Jan-02	05:45:00	5350.39	130.23	1823.71	5.84	926.89	0.000	0.0	0.00	20	0.926
29-Jan-02	05:50:00	5330.70	130.52	1372.02	5.39	3007.16	0.000	0.0	0.00	32	0.926
29-Jan-02	05:55:00	5326.37	130.74	1532.68	9.94	5141.20	0.000	0.0	0.00	32	0.926
29-Jan-02	06:00:00	5337.33	130.91	1775.21	10.20	3961.63	0.000	0.0	0.00	48	0.926
29-Jan-02	06:05:00	5308.94	131.00	1166.58	10.35	5316.72	0.000	0.0	0.00	48	0.926
29-Jan-02	06:10:00	5302.94	131.14	1088.00	12.59	6198.76	0.000	0.0	0.00	52	0.926
29-Jan-02	06:15:00	5302.25	131.23	1102.85	13.45	5919.71	0.000	0.0	0.00	52	0.926
29-Jan-02	06:20:00	5301.41	131.29	1102.84	14.07	5788.72	0.000	0.0	0.00	52	0.926
29-Jan-02	06:25:00	5300.72	131.36	1105.58	14.38	5843.30	5.785	989.9	0.00	52	0.926
29-Jan-02	06:30:00	5300.10	131.40	1105.97	14.58	5865.34	5.769	983.5	0.00	52	0.926
29-Jan-02	06:35:00	5299.54	131.46	1108.61	15.06	5804.06	5.777	995.4	0.00	52	0.926
29-Jan-02	06:40:00	5299.09	131.49	1108.70	15.10	5778.60	5.807	1005.0	0.00	52	0.926
29-Jan-02	06:45:00	5298.44	131.53	1108.51	15.14	5833.04	5.811	996.2	0.00	52	0.926
29-Jan-02	06:50:00	5297.93	131.54	1111.54	15.25	5823.94	5.813	998.1	0.00	52	0.926
29-Jan-02	06:55:00	5297.81	131.59	1111.64	15.29	5833.89	5.796	993.5	0.00	52	0.926
29-Jan-02	07:00:00	5297.53	131.63	1111.54	15.43	5796.94	5.783	997.6	0.00	52	0.926
29-Jan-02	07:05:00	5297.21	131.64	1114.57	15.82	5874.65	5.810	989.0	0.00	52	0.926
29-Jan-02	07:10:00	5296.97	131.67	1114.66	16.01	5875.67	5.812	989.2	0.00	52	0.926
29-Jan-02	07:15:00	5296.80	131.68	1114.57	16.25	5754.13	5.800	1008.0	0.00	52	0.926
29-Jan-02	07:20:00	5296.47	131.70	1114.37	16.32	5852.15	5.811	992.9	0.00	52	0.926
29-Jan-02	07:25:00	5296.25	131.73	1114.66	16.44	5818.06	5.802	997.2	0.00	52	0.926
29-Jan-02	07:30:00	5296.09	131.75	1114.66	16.70	5879.34	5.794	985.5	0.00	52	0.926
29-Jan-02	07:35:00	5295.83	131.75	1117.59	16.92	5835.65	5.805	994.7	0.00	52	0.926
29-Jan-02	07:40:00	5295.64	131.78	1117.50	17.06	5811.50	5.800	998.1	0.00	52	0.926
29-Jan-02	07:45:00	5295.46	131.80	1117.50	17.16	5877.90	5.812	988.9	0.00	52	0.926
29-Jan-02	07:50:00	5295.27	131.79	1117.59	17.25	5804.90	5.818	1002.3	0.00	52	0.926
29-Jan-02	07:55:00	5295.04	131.82	1117.59	17.25	5816.75	5.836	1003.3	0.00	52	0.926
29-Jan-02	08:00:00	5294.85	131.83	1117.59	17.35	5826.42	5.847	1003.5	0.00	52	0.926
29-Jan-02	08:05:00	5294.68	131.81	1120.33	17.48	5771.69	5.843	1012.4	0.00	52	0.926
29-Jan-02	08:10:00	5294.53	131.84	1120.52	17.66	5829.10	5.855	1004.4	0.00	52	0.926
29-Jan-02	08:15:00	5294.34	131.86	1120.52	17.75	5875.21	5.846	995.0	0.00	52	0.926
29-Jan-02	08:20:00	5294.22	131.87	1120.62	18.20	5805.26	5.847	1007.2	0.00	52	0.926
29-Jan-02	08:25:00	5294.01	131.86	1123.46	18.44	5809.13	5.840	1005.2	0.00	52	0.926
29-Jan-02	08:30:00	5293.86	131.88	1123.46	18.69	5825.50	5.838	1002.2	0.00	52	0.926
29-Jan-02	08:35:00	5293.74	131.89	1123.16	18.69	5831.56	5.858	1004.5	0.00	52	0.926
29-Jan-02	08:40:00	5293.54	131.90	1123.55	18.78	5811.19	5.874	1010.8	0.00	52	0.926
29-Jan-02	08:45:00	5293.42	131.89	1123.36	18.88	5827.01	5.854	1004.7	0.00	52	0.926
29-Jan-02	08:50:00	5293.28	131.91	1124.02	19.17	5840.23	5.844	1000.6	0.00	52	0.926

Separator Results – Main Flow Measurement Sheet

Well no: 6507/5-5		Sheet no: 2						
Date	Time	Oilsgr g/cc	Oilsgrt degC	Gasgr air=1	CO2 Mol%	H2S Ppm	BSW in %	BSW out %
29-Jan-02	06:15				3.5	8	0.50	
	06:25				3.5	9		
	06:30			0.736	3.5	8	0.50	
	06:45				3.5	9		
	07:15				3.5	8		
	07:45			0.735				
	07:50	0.848	27.8					
	08:30	0.846	30.0	0.740				
	09:30				3.5	10		
	10:15				3.0	10		
	10:30	0.8402	32.2	0.720			0.00	
	11:30	0.8415	31.7	0.735				
	12:00						0.00	
	13:30	0.8420	35.6	0.730			0.00	
	13:40				3.5	11		
	15:00				3.5	12		
	15:30	0.8425	35.0	0.735				
	16:00				3.0	11		
	17:15				3.5	12		
	17:30						0.00	
	18:00	0.8410	39.4					
	18:30				3.5	12		
	19:00			0.735				
	19:20				3.5	12		

Separator Gas Results - Main Flow Listings

DATE	TIME	GASQ [MMscf/d]	GOR [scf/bbl]	GASV [MMscf]	GASP [psia]	GASDP [°H2O]	GAST [degC]	GASGR [air=1]	Fpv [-]	H2S [ppm]	CO2 [%]	ORIFICE [Inch]	CHOKE [64]
29-Jan-02	05:00:00	0.0000	0.00	0.00	261.00	0.00	2.61	0.000	0.0000	11	3.50	0.00	0
29-Jan-02	05:15:00	0.0000	0.00	0.00	241.98	0.00	2.54	0.000	0.0000	11	3.50	0.00	0
29-Jan-02	05:30:00	0.0000	0.00	0.00	232.79	0.00	2.52	0.000	0.0000	11	3.50	0.00	0
29-Jan-02	05:45:00	0.0000	0.00	0.00	450.82	0.00	29.56	0.000	0.0000	11	3.50	0.00	20
29-Jan-02	06:00:00	0.0000	0.00	0.00	279.62	0.00	43.86	0.000	0.0000	11	3.50	0.00	48
29-Jan-02	06:15:00	0.0000	0.00	0.00	303.95	0.00	45.14	0.000	0.0000	8	3.50	0.00	52
29-Jan-02	06:30:00	0.0000	0.00	0.00	303.01	219.43	47.39	0.736	1.0251	8	3.50	2.00	52
29-Jan-02	06:45:00	5.7805	995.74	0.06	291.75	233.62	48.49	0.736	1.0238	9	3.50	2.00	52
29-Jan-02	07:00:00	5.7997	996.81	0.12	291.47	233.00	49.30	0.736	1.0236	9	3.50	2.00	52
29-Jan-02	07:15:00	5.7988	993.82	0.18	293.56	234.39	51.39	0.736	1.0233	9	3.50	2.00	52
29-Jan-02	07:30:00	5.8028	991.96	0.24	293.13	233.79	51.11	0.736	1.0233	9	3.50	2.00	52
29-Jan-02	07:45:00	5.8168	995.75	0.30	295.73	235.68	52.73	0.735	1.0230	9	3.50	2.00	52
29-Jan-02	08:00:00	5.8288	1002.20	0.36	295.33	235.06	52.85	0.735	1.0230	9	3.50	2.00	52
29-Jan-02	08:15:00	5.8343	1001.54	0.42	297.27	236.24	53.87	0.735	1.0229	9	3.50	2.00	52
29-Jan-02	08:30:00	5.8456	1005.56	0.48	298.32	237.13	54.44	0.740	1.0232	9	3.00	2.00	52
29-Jan-02	08:45:00	5.8379	1000.51	0.55	297.47	237.01	54.80	0.740	1.0231	9	3.00	2.00	52
29-Jan-02	09:00:00	5.8634	1004.99	0.61	301.01	239.52	55.02	0.740	1.0233	9	3.00	2.00	52
29-Jan-02	09:15:00	5.8886	1006.97	0.67	288.66	249.91	56.30	0.740	1.0220	9	3.00	2.00	52
29-Jan-02	09:30:00	5.8701	1007.58	0.73	287.07	248.99	55.76	0.740	1.0219	10	3.50	2.00	52
29-Jan-02	09:45:00	5.8765	1007.27	0.79	289.43	250.96	57.02	0.740	1.0218	10	3.50	2.00	52
29-Jan-02	10:00:00	5.9035	1007.19	0.85	290.69	251.78	57.43	0.740	1.0218	10	3.50	2.00	52
29-Jan-02	10:15:00	5.9070	1009.56	0.91	289.84	250.84	56.65	0.740	1.0220	10	3.00	2.00	52
29-Jan-02	10:30:00	5.9445	1010.31	0.97	291.06	251.81	57.85	0.720	1.0207	10	3.00	2.00	52
29-Jan-02	10:45:00	5.9875	1020.71	1.04	290.57	251.96	57.57	0.720	1.0207	10	3.00	2.00	52
29-Jan-02	11:00:00	5.9821	1016.65	1.10	290.89	251.87	58.82	0.720	1.0204	10	3.00	2.00	52
29-Jan-02	11:15:00	5.9862	1018.95	1.16	291.69	252.53	58.59	0.720	1.0205	10	3.00	2.00	52
29-Jan-02	11:30:00	5.9703	1011.27	1.22	292.36	253.08	59.35	0.735	1.0213	10	3.00	2.00	52
29-Jan-02	11:45:00	5.9703	1016.46	1.29	295.11	255.47	59.99	0.735	1.0214	10	3.00	2.00	52
29-Jan-02	12:00:00	5.9998	1020.94	1.35	287.72	262.15	59.16	0.735	1.0210	10	3.00	2.00	52
29-Jan-02	12:15:00	5.9849	1018.30	1.41	286.39	261.15	60.38	0.735	1.0206	10	3.00	2.00	52
29-Jan-02	12:30:00	5.9711	1015.92	1.47	286.67	260.30	58.65	0.735	1.0210	10	3.00	2.00	52
29-Jan-02	12:45:00	5.9509	1007.35	1.54	302.41	242.49	58.87	0.735	1.0222	10	3.00	2.00	52
29-Jan-02	13:00:00	5.9308	1004.50	1.60	309.37	237.84	58.94	0.735	1.0227	10	3.00	2.00	52
29-Jan-02	13:15:00	5.9504	1010.10	1.66	300.15	248.10	59.49	0.735	1.0219	10	3.00	2.00	52
29-Jan-02	13:30:00	5.9845	1014.41	1.72	298.21	251.47	59.44	0.730	1.0214	10	3.00	2.00	52
29-Jan-02	13:45:00	6.0041	1019.15	1.78	293.51	254.94	58.71	0.730	1.0211	11	3.50	2.00	52
29-Jan-02	14:00:00	5.9966	1012.75	1.85	294.05	254.30	59.92	0.730	1.0209	11	3.50	2.00	52
29-Jan-02	14:15:00	5.9835	1014.80	1.91	292.98	253.74	59.35	0.730	1.0210	11	3.50	2.00	52
29-Jan-02	14:30:00	5.9867	1012.11	1.97	294.49	254.40	59.85	0.730	1.0210	11	3.50	2.00	52
29-Jan-02	14:45:00	5.9988	1017.74	2.03	298.24	251.06	59.20	0.730	1.0214	11	3.50	2.00	52
29-Jan-02	15:00:00	6.0143	1024.20	2.10	297.93	254.52	60.48	0.730	1.0211	12	3.50	2.00	52
29-Jan-02	15:15:00	6.0185	1021.85	2.16	294.28	255.87	59.99	0.730	1.0209	12	3.50	2.00	52
29-Jan-02	15:30:00	6.0131	1022.74	2.22	293.54	259.05	60.44	0.735	1.0211	12	3.50	2.00	52
29-Jan-02	15:45:00	6.0117	1012.79	2.28	299.79	251.91	59.44	0.735	1.0218	12	3.50	2.00	52
29-Jan-02	16:00:00	5.9856	1017.53	2.35	297.80	250.82	60.35	0.735	1.0215	11	3.00	2.00	52
29-Jan-02	16:15:00	5.9810	1009.55	2.41	297.32	254.00	60.32	0.735	1.0215	11	3.00	2.00	52
29-Jan-02	16:30:00	6.0041	1026.48	2.47	292.16	259.40	60.04	0.735	1.0211	11	3.00	2.00	52
29-Jan-02	16:45:00	5.9971	1017.90	2.53	300.54	249.71	59.89	0.735	1.0218	11	3.00	2.00	52

Separator Oil Results – Main Flow Listings

DATE	TIME	OILQ [bbl/d]	OILV [bbl]	OILT [degC]	SHRT [-]	SHRK [-]	OILSG60 [Water=1]	BSW [%]	CHOKE [64]	Rot-MF [-]
29-Jan-02	05:00:00	0.00	0.00	1.64	0.00	0.000	0.000	0.00	0	0.000
29-Jan-02	05:15:00	0.00	0.00	1.68	0.00	0.000	0.000	0.00	0	0.000
29-Jan-02	05:30:00	0.00	0.00	1.72	0.00	0.000	0.000	0.00	0	0.000
29-Jan-02	05:45:00	0.00	0.00	25.64	5.50	1.008	0.861	0.00	20	0.926
29-Jan-02	06:00:00	4036.66	42.05	54.19	5.50	1.008	0.861	0.00	48	0.926
29-Jan-02	06:15:00	5792.54	102.39	50.11	5.50	1.008	0.861	0.50	52	0.926
29-Jan-02	06:30:00	5832.44	163.14	50.66	5.50	1.008	0.861	0.50	52	0.926
29-Jan-02	06:45:00	5805.23	223.61	51.10	5.50	1.008	0.865	0.50	52	0.926
29-Jan-02	07:00:00	5818.26	284.22	51.85	5.50	1.008	0.865	0.50	52	0.926
29-Jan-02	07:15:00	5834.82	345.00	54.15	5.50	1.008	0.865	0.50	52	0.926
29-Jan-02	07:30:00	5849.85	405.94	54.01	5.50	1.008	0.865	0.50	52	0.926
29-Jan-02	07:45:00	5841.68	466.79	54.96	5.50	1.008	0.855	0.50	52	0.926
29-Jan-02	08:00:00	5816.04	527.37	54.62	5.50	1.008	0.856	0.50	52	0.926
29-Jan-02	08:15:00	5825.33	588.05	54.90	5.50	1.008	0.856	0.50	52	0.926
29-Jan-02	08:30:00	5813.30	648.61	55.73	5.50	1.008	0.855	0.50	52	0.926
29-Jan-02	08:45:00	5834.93	709.39	55.71	5.50	1.008	0.855	0.20	52	0.926
29-Jan-02	09:00:00	5834.27	770.16	55.64	5.50	1.008	0.855	0.20	52	0.926
29-Jan-02	09:15:00	5847.83	831.07	57.22	5.50	1.008	0.855	0.20	52	0.926
29-Jan-02	09:30:00	5825.95	891.76	56.66	5.50	1.008	0.855	0.20	52	0.926
29-Jan-02	09:45:00	5834.06	952.53	57.77	5.50	1.008	0.855	0.20	52	0.926
29-Jan-02	10:00:00	5861.33	1013.59	57.66	5.50	1.008	0.855	0.20	52	0.926
29-Jan-02	10:15:00	5851.08	1074.54	56.99	5.50	1.008	0.855	0.20	52	0.926
29-Jan-02	10:30:00	5883.86	1135.83	58.32	5.50	1.008	0.851	0.00	52	0.926
29-Jan-02	10:45:00	5866.07	1196.93	57.73	5.50	1.008	0.851	0.00	52	0.926
29-Jan-02	11:00:00	5884.11	1258.23	59.46	5.50	1.008	0.851	0.00	52	0.926
29-Jan-02	11:15:00	5874.90	1319.42	59.05	5.50	1.008	0.851	0.00	52	0.926
29-Jan-02	11:30:00	5903.74	1380.92	59.77	5.50	1.008	0.852	0.00	52	0.926
29-Jan-02	11:45:00	5873.65	1442.10	60.38	5.50	1.008	0.852	0.00	52	0.926
29-Jan-02	12:00:00	5876.74	1503.32	59.56	5.50	1.008	0.852	0.00	52	0.926
29-Jan-02	12:15:00	5877.35	1564.54	60.50	5.50	1.008	0.852	0.00	52	0.926
29-Jan-02	12:30:00	5877.55	1625.77	58.33	5.50	1.008	0.852	0.00	52	0.926
29-Jan-02	12:45:00	5907.43	1687.30	58.77	5.50	1.008	0.852	0.00	52	0.926
29-Jan-02	13:00:00	5904.22	1748.80	58.77	5.50	1.008	0.852	0.00	52	0.926
29-Jan-02	13:15:00	5890.90	1810.17	59.35	5.50	1.008	0.852	0.00	52	0.926
29-Jan-02	13:30:00	5899.46	1871.62	59.58	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	13:45:00	5891.30	1932.99	58.67	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	14:00:00	5921.16	1994.67	59.74	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	14:15:00	5896.17	2056.09	59.24	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	14:30:00	5915.09	2117.70	60.21	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	14:45:00	5894.23	2179.10	59.02	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	15:00:00	5872.19	2240.27	60.58	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	15:15:00	5889.77	2301.62	60.25	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	15:30:00	5879.41	2362.86	59.74	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	15:45:00	5935.73	2424.69	59.41	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	16:00:00	5882.48	2485.97	59.86	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	16:15:00	5924.44	2547.68	60.42	5.50	1.008	0.855	0.00	52	0.926
29-Jan-02	16:30:00	5849.16	2608.61	59.68	5.50	1.008	0.855	0.00	52	0.926

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1.9 Mud Summary

Well 6507/5-5

36" conductor hole

Gel/Seawater (1,20 SG)
Interval 393 – 471 m
Total cost 52 184 \$

26" surface hole

Gel/Seawater (1,20 SG)
Interval 471 – 1051 m
Total Cost 35 350 \$

17 ½" intermediate hole

KCl/Polymer/Glycol (1.50 SG)
Interval 1051 – 2100 m
Total Cost 179 199 \$

12 ¼" intermediate hole


OBM/ENVIROMUL NAP(1.58 SG)
Interval 2100 - 3642
Total Cost 186 601 \$

8 ½" reservoir section

KCl/Polymer (1.20 SG)
Interval 3642 - 3950 m
Total Cost 75 352 \$

8 ½" well control incident & testing

Brine sodium bromide (1.50 SG for well control)
Brine NaCl (1.20 SG for testing)
Interval 3950 - 3950 m
Total Cost 637 036 \$

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	Chapter: 7	DRILLING DATA	Date: 03/05/02	Rev: 0

7.4 Drilling Fluids Report

BP AMOCO Mud Summary Report															
Legal well name:	6507/5-5	Start:	20.11.2001												
Common well name:	SKARV 4	Spud date:	28.11.2001												
Event name:	Original drilling	Rig release:	14.02.2002												
Contractor name:	SMEDVIG														
Rig name:	WEST ALPHA														

Date	TMD (m)	Mud type	MW (sg)	Visc. (s/qt)	PV (cp)	YP (lb/100ft ²)	Gels 10 Sec. (lb/100ft ²)	Gels 10 Min. (lb/100ft ²)	API WL (cc/30min)	pH	CL (mg/l)	Sand (%)	LGS (ppb)	MBT (ppb)
27.11.01	393	SPUD MUD	1	105	0	0	0	0	0	10,5	0	0	0	0
28.11.01	471	SPUD MUD	1	105	0	0	0	0	0	10,5	0	0	0	0
29.11.01	471	SPUD MUD	1	105	0	0	0	0	0	10,5	0	0	0	0
30.11.01	474	SPUD MUD	1	105	0	0	0	0	0	10,5	0	0	0	0
01.12.01	474	SPUD MUD	1	105	0	0	0	0	0	10,5	0	0	0	0
02.12.01	393	SPUD MUD	1	105	0	0	0	0	0	10,5	0	0	0	0
03.12.01	474	SPUD MUD	1	105	0	0	0	0	0	10,5	0	0	0	0
04.12.01	466,5	SPUD MUD	1	105	0	0	0	0	0	10,5	0	0	0	0
05.12.01	822	SPUD MUD	1	105	0	0	0	0	0	10,5	0	0	0	0
06.12.01	1 060,0	SPUD MUD	1	105	0	0	0	0	0	10,5	0	0	0	0
07.12.01	1 060,0	SPUD MUD	1,2	105	0	0	0	0	0	10,5	0	0	0	0
08.12.01	1 060,0	SPUD MUD	1,2	105	0	0	0	0	0	10,5	0	0	0	0
09.12.01	1 060,0	SPUD MUD	1,2	105	0	0	0	0	0	10,5	0	0	0	0
10.12.01	1 060,0	SPUD MUD	1,2	105	0	0	0	0	0	10,5	0	0	0	0
11.12.01	1 060,0	SPUD MUD	1,2	107	0	0	0	0	0	10,5	0	0	0	0
12.12.01	1 085,0	POLYMER	1,2	64	15	14	4	8	3	10,1	67 000	0,1	42	0
12.12.01	1 287,0	POLYMER	1,2	63	17	18	4	8	2,8	9,8	63 000	0,75	36	2,5
13.12.01	1 591,0	POLYMER	1,39	73	23	45	7	18	2,5	9,2	68 000	1	2,24	10
13.12.01	1 323,0	POLYMER	1,39	69	16	23	6	9	2,9	9,4	68 000	0,75	13,21	5
14.12.01	1 910,0	POLYMER	1,43	74	27	35	8	10	2,4	8,8	0	1,2	36,39	10
14.12.01	1 762,0	POLYMER	1,4	71	26	38	7	8	2,3	9	0	1,3	25,27	10
14.12.01	1 591,0	POLYMER	1,39	76	24	38	7	17	2,8	9,3	64 000	8	62,58	10
14.12.01	2 013,0	POLYMER	1,44	72	26	38	9	16	2,8	9,2	0	1,1	22,11	10
15.12.01	2 106,0	POLYMER	1,5	82	33	49	10	29	2,6	8,7	64 000	1	27,49	15
15.12.01	2 106,0	POLYMER	1,5	78	26	36	10	13	2,7	80,9	69 000	0,5	18,9	10
15.12.01	2 106,0	POLYMER	1,5	78	25	39	9	13	2,7	8,9	66 000	1	25,87	10
16.12.01	2 106,0	POLYMER	1,5	78	26	35	9	13	2,7	8,7	66 000	75	26	13
16.12.01	2 106,0	OILBASE	1,58	0	35	20	90	15	0	0	0	0	113	0
17.12.01	2 106,0	POLYMER	1,5	78	26	38	9	12	2,7	86	66 000	0,75	27,02	13
18.12.01	2 106,0	POLYMER	1,5	78	25	37	9	13	2,8	8,6	66 000	0,75	25,87	13,1

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DRILLING DATA

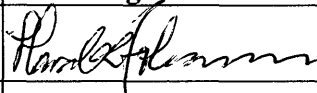

Date:
03/05/02Rev:
0

Date	TMD (m)	Mud type	MW (sg)	Visc (cP/q)	PV (cp)	YP (lb/100ft ²)	Gels 10 Sec (lb/100ft ²)	Gels 10 Min (lb/100ft ²)	API WL (cc/30min)	pH	CL- (mg/l)	Sand (%)	LGS (ppb)	MBT (ppb)
19.12.01	2 106,0	OILBASE	1,58	68	28	35	9	15	0	93	197 000	0	95	0
20.12.01	2 106,0	OILBASE	1,58	67	25	19	9	16	0	0	194 000	0,5	39,83	0
20.12.01	2 332,0	OILBASE	0	74	31	19	11	16	0	0	0	0,5	95	0
20.12.01	2 184,0	OILBASE	1,58	76	30	18	11	14	0	0	0	0,75	95,07	0
21.12.01	3 012,0	OILBASE	1,58	72	33	18	12	16	0	0	194 000	0,75	77,54	0
21.12.01	2 840,0	OILBASE	1,58	75	31	19	12	15	0	0	193 000	0,75	253	0
21.12.01	2 680,0	OILBASE	1,58	74	30	20	11	15	0	0	0	0,75	202	0
22.12.01	3 334,0	OILBASE	1,58	67	31	23	12	16	0	0	193 500	0,25	132	0
22.12.01	3 239,0	OILBASE	1,58	68	33	20	12	15	0	0	195 000	0,25	132	0
22.12.01	3 087,0	OILBASE	1,58	71	32	20	12	16	0	0	192 000	0,5	132	0
23.12.01	3 469,0	OILBASE	1,58	65	34	15	12	15	0	0	0	0,5	147	0
23.12.01	3 400,0	OILBASE	1,58	69	30	19	10	15	0	0	185 000	0,25	93,79	0
23.12.01	3 540,0	OILBASE	1,58	68	33	16	12	15	0	0	0	0,5	148	0
24.12.01	3 643,0	OILBASE	1,58	68	31	20	12	15	0	0	193 000	0,5	93,79	0
24.12.01	3 600,0	OILBASE	1,58	67	32	19	12	15	0	0	193 000	0,75	93,79	0
25.12.01	3 643,0	OILBASE	1,58	71	28	25	11	15	0	0	193 000	0,5	93,79	0
25.12.01	3 643,0	OILBASE	1,58	58	29	24	11	15	0	0	193 000	0,5	93,79	0
26.12.01	3 643,0	OILBASE	1,58	77	28	25	11	15	0	0	193 000	0,5	136,13	0
27.12.01	3 643,0	OILBASE	1,58	83	28	25	11	16	0	0	193 000	0,5	160,44	0
28.12.01	3 643,0	OBM	1,58	84	28	25	10	16	0	0	45 000	0,5	180,82	0
29.12.01	3 643,0	OBM	1,58	84	28	25	10	16	0	0	45 000	0,5	180,82	0
30.12.01	3 643,0	OBM	1,58	83	28	25	11	19	0	0	42 000	0,5	219,96	0
31.12.01	3 643,0	OBM	1,58	83	28	25	11	19	0	0	42 000	0,5	219,96	0
01.01.02	3 643,0	OBM	1,58	86	28	25	11	18	0	0	44 000	0,5	147,71	0
02.01.02	3 643,0	OBM	1,58	60	28	25	4	5	3,6	11,8	68 000	0,1	39,48	0
03.01.02	3 643,0	KCL	1,2	62	19	13	5	9	3,5	11,3	68 000	0,2	39,48	0
04.01.02	3 643,0	KCL	1,2	62	19	13	5	9	3,5	10,8	67 000	0,1	25,81	0
05.01.02	3 643,0	KCL	1,2	58	15	12	5	9	2,7	11,9	64 000	0,1	49,74	0,5
06.01.02	3 643,0	KCL	1,2	60	16	12	5	9	2,6	11,8	63 000	0,1	52,27	0,5
07.01.02	3 643,0	KCL	1,2	60	15	13	5	9	2,6	11,8	63 000	0,1	52,27	0,5
08.01.02	3 643,0	KCL	1,2	60	15	13	5	9	2,6	11,8	63 000	0,1	52,27	0,5
09.01.02	3 643,0	KCL	1,2	60	15	13	5	9	2,6	11,8	63 000	0,1	52,27	0,5
09.01.02	3 643,0	KCL	1,2	60	15	13	5	9	2,6	11,8	63 000	0,1	52,27	0,5
10.01.02	3 643,0	KCL	1,2	60	14	14	5	9	2,6	11,8	63 000	0,1	52,27	0,5
11.01.02	3 643,0	KCL	1,2	60	15	13	5	9	2,6	11,8	63 000	0,1	52,27	0,5
12.01.02	3 643,0	KCL	1,2	58	15	13	5	9	2,6	11,8	63 000	0,1	52,27	0,5
13.01.02	3 643,0	BRINE	1,2	0	0	0	0	0	0	0	63 000	0	0	0
14.01.02	3 643,0	BRINE	1,2	0	0	0	0	0	0	0	63 000	0	0	0
15.01.02	3 643,0	BRINE	1,2	34	4	2	0	0	0	9,5	0	0	0	0
16.01.02	3 643,0	BRINE	1,2	34	4	2	0	0	0	9,5	0	0	74,57	0
17.01.02	3 643,0	BRINE	1,5	34	4	2	0	0	0	9,5	0	0	74,57	0
18.01.02	3 643,0	BRINE	1,5	34	4	2	0	0	0	9,5	0	0	74,57	0
19.01.02	3 643,0	BRINE	1,5	34	4	2	0	0	0	9,5	0	0	74,57	0
20.01.02	3 643,0	BRINE	1,5	34	4	2	0	0	0	9,5	0	0	74,57	0
21.01.02	3 643,0	BRINE	1,5	34	4	2	0	0	0	9,5	0	0	74,57	0
22.01.02	3 643,0	BRINE	1,5	34	4	2	0	0	0	9,5	0	0	74,57	0
23.01.02	3 643,0	BRINE	1,2	34	4	2	0	0	0	9,5	0	0	74,57	0
24.01.02	3 643,0	BRINE	1,2	34	4	2	0	0	0	9,5	0	0	74,57	0
25.01.02	3 643,0	BRINE	1,2	34	4	2	0	0	0	9,5	0	0	74,57	0
26.01.02	3 643,0	BRINE	1,2	34	4	2	0	0	0	9,5	0	0	74,57	0

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Authors

Ingrid Anne Munz
 Ingar Johansen
 Sylviane Sieglé

	Name	Date	Signature
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Approved by	Nigel Mills	16-Apr-2002	

Introduction

4 gas bag samples and 3 gas samples from well 6507/5-5 have been analysed for gas and isotopic composition. The depth range of the gas bag samples is 3122-3660 m and the depth range of the gas samples is 2653.3-3703 m.

The contents of C₁-C₅ and CO₂ have been quantified on all samples. The δ¹³C composition of C₁-C₄ and CO₂ have been analysed in all samples, when possible. The δD composition of methane and the δ¹⁸O of CO₂ in the three gas samples have also been analysed.

Experimental Procedures

All procedures follow NIGOGA, 4th Edition. Below are brief descriptions of procedures/analytical conditions.

GC analysis of gas components

Aliquots of 1 ml of the gas bag samples and 0.1 ml of the gas samples were sampled with a syringe for analysis on a Porabond Q column on a Carlo Erba HRGC 5300 equipped with a flame ionisation (FID/HWD) and a thermal conductivity (TCD/HWD) detector. The detection limit for the hydrocarbon gas components is 0.001 µl/ml, for CO₂ 0.05 µl/ml.

Stable isotope analysis of gas compounds

5-10 ml of the gas samples was sampled with a syringe and then separated into the different gas components by a Carlo Erba 4200 gas chromatograph. The hydrocarbon gas components were oxidised in separate CuO-ovens in order to prevent cross contamination. The combustion products CO₂ and H₂O were frozen into collection vessels and separated.

The combustion water was reduced with zinc metal in sealed quartz tubes to prepare hydrogen for isotopic analysis. The isotopic measurements have been performed on a Finnigan MAT 251 and a Finnigan Delta mass spectrometer.

The value for the NBS 22 standard is -29.77 ± 0.06 ‰ PDB. The analytical procedures are tested with a laboratory gas standard mixture. Based on repeated analysis of the gas standard, the reproducibility in the δ¹³C value is better than 0.5 ‰ PDB for all components. The reproducibility in the δD value is likewise better than 10 ‰.

The gas bag samples were analysed by GCIRMS. Aliquots were sampled with a syringe and analysed on a VG Isochrom connected on-line to a VG Optima Mass Spectrometer. A HP 5890II with a Poraplot Q column was used for the separation and helium was used as a carrier gas. The injections were performed in a splitless and split mode depending on the individual methane concentrations. Determination of hydrogen and oxygen isotopic composition is not included in the procedure. The uncertainty in the reported results is ± 1 ‰ for methane, ethane and CO₂ and ± 0.5 ‰ for the other components based on repeated analysis of IFEs laboratory standard (test gas concentration) over a period of 4 years.

Results

The normalised volume composition of the gas samples is shown in Table 1. A mixture of nitrogen/oxygen (air) is detected in all samples, but the amounts have not been quantified. The stable isotope composition of the different gas samples is shown in Table 2. The isotopic composition is not determined on all components in all samples, due to low concentrations.



Data report on molecular and stable isotope composition of gas bags and gas samples from well 6507/5-5

Table 1. Gas Composition (volume-%)

Well	Sample type	Lower Depth	APT ID	C1%	C2%	C3%	iC4%	nC4%	iC5%	nC5%	CO2%	Sum C1-C5	Wetness (%)	iC4/nC4	ppm
6507/5-5	Gas bag	3122	13393	91.4	3.2	0.76		0.11			4.5	95.5	4.2		9030
6507/5-5	Gas bag	3233	13394								100.0	0			493
6507/5-5	Gas bag	3237	13395	93.8	3.2	0.77		0.11			2.1	97.9	4.2		17061
6507/5-5	Gas bag	3660	13396	85.3	8.5	4.0	0.35	0.87	0.19	0.21	0.67	99.3	13.8	0.40	33109
6507/5-5	Gas	3653.30	13440	75.7	9.6	6.7	0.86	2.4	0.67	0.83	3.3	96.7	20.5	0.36	
6507/5-5	Gas	3668	13441	75.9	9.6	6.8	0.84	2.2	0.64	0.77	3.2	96.8	20.4	0.38	
6507/5-5	Gas	3703	13674	74.2	9.9	7.5	0.94	2.5	0.66	0.80	3.4	96.6	21.9	0.38	

Table 2. Gas Isotopes

Well	Sample type	Lower Depth	APT ID	C1 $\delta^{13}C$	C2 $\delta^{13}C$	C3 $\delta^{13}C$	iC4 $\delta^{13}C$	nC4 $\delta^{13}C$	iC5 $\delta^{13}C$	nC5 $\delta^{13}C$	CO2 $\delta^{13}C$	C1 δ^D	CO2 $\delta^{18}O$
6507/5-5	Gas bag	3122	13393	-39.5	-30.2	-29.8					-18.1		
6507/5-5	Gas bag	3233	13394								-13.3		
6507/5-5	Gas bag	3237	13395	-38.3	-29.3	-27.4		-25.7			-16.4		
6507/5-5	Gas bag	3660	13396	-36.9	-29.3	-28.3	-28.3	-28.7			-19.5		
6507/5-5	Gas	3653.30	13440	-40.1	-30.9	-29.1	-28.4	-29.3			-10.3	-184	-9.0
6507/5-5	Gas	3668	13441	-40.8	-31.0	-29.2	-28.2	-29.2			-10.5	-184	-5.7
6507/5-5	Gas	3703	13674	-40.9	-31.2	-29.1	-29.2	-29.3			-10.4	-188	-13.3

Geochemical Report on NOCS Well 6507/5-5

Authors: Peter Barry Hall

Geolab Nor A/S
Hornebergveien 5
P.O. Box 5740
N-4737 Trondheim
Norway

Date: 08/05/02

Chapter 1

INTRODUCTION

1.1 General comments on 6507/5-5

This well is the fourth well on the Skarv structure. The section of the well down to 3648 m (top Garn Fm.) was drilled with an oil-based mud (OBM) system. Below this a water-based mud system was used (although from analytical work done for this report the water-based mud used contained some synthetic organic compounds, possibly glycols or esters)

1.2 Analytical program

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

Rocks

<i>Analysis type</i>	<i>No. of samples</i>	<i>Table</i>
Headspace Gas Analysis	53 (5 open lids)	1
Headspace Gas Isotope Analysis	11	2
Washing of cuttings	6	-
Lithology Description ¹	16	3
TOC	16	3,4
Rock-Eval Pyrolysis	16	4
Extraction	16	5a-e
Asphaltene separation	16	5a-e
MPLC separation	16	5a-e
Saturated hydrocarbon GC	16	6a-c
Aromatic hydrocarbon GC	16	7a-b
Saturated hydrocarbon GC-MS	9	8a-m
Aromatic hydrocarbon GC-MS	9	9a-m
$\delta^{13}\text{C}$ Bulk isotope composition	4	10

Oils

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

Tables for oils

Whole oil GC WHOILGC

Well name	Depth (m)	Description	Table 1a														Table 1b										Sample number
			iC4	nC4	iC5	nC5	2,2DMC4	2,3DMC4	2MC5	3MC5	nC6	MCyC5	Benz	CyC6	2MC6	3MC6	1,3ciDMCyC5	1,3trDMCyC5	1,2trDMCyC5	nC7	MCyC6	Tol	nC8	p/m-Xyl			
NOCS 6507/5-5 SKARV	3653,3	MDT	0	0	0	0	0,06	0,38	0	0	3,92	2,27	2,34	4,26	1,77	1,54	0,55	0,52	1,09	4,67	7,57	7,63	5,12	5,91	W18/0001-0		
NOCS 6507/5-5 SKARV	3668	MDT	0	0	0	0	0,06	0,42	0	0	4	2,31	2,41	4,3	1,79	1,55	0,56	0,52	1,09	4,7	7,58	7,71	5,11	5,9	W18/0002-0		
NOCS 6507/5-5 SKARV	3648-3703	A-D DST 1	0	0	0	0	0,06	0,43	0	0	4,04	2,3	2,45	4,26	1,76	1,53	0,55	0,51	1,07	4,64	7,45	7,6	5,04	5,79	W18/0003-0		

Table 1c

Thompson Ratios	A	B	X	W	C	I	F	H	U	R	S
Thompson Ratios	0,60	1,63	1,15	5,49	0,73	1,53	0,62	21,26	1,88	2,64	65,33
Thompson Ratios	0,60	1,64	1,15	5,60	0,73	1,54	0,62	21,28	1,86	2,63	66,67
Thompson Ratios	0,61	1,64	1,15	5,75	0,74	1,54	0,62	21,31	1,85	2,64	67,33

Thompson ratio	Peaks in ratio
A	Benzene/nC6
B	Toluene/nC7
X	m,p-Xylene/nC8
W	Benzene*10/CyC6
C	(nC6+nC7)/(CyC6+MCyC6)
I	(2MC6+3MC6)/(13ciDMCyC5+13trDMCyC5+12trDMCyC5)
F	nC7/MCyC6
H	nC7*100/sum CyC6 to MCyC6
U	CyC6/MCyC5
R	nC7/2MC6
S	nC6/22DMC4

Extraction and MPLC data

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology	whole oil (mg)	topped Oil (mg)	Sat (mg)	Aro (mg)	NSO (mg)	Asph (mg)	TOC(e)	HC	Non-HC	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		79,79	69,7	43,6	21,1	4,78	0,3		64,62	5,08	W18/0001-0
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		62,72	55	33,6	17,2	3,69	0,5		50,81	4,19	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		74,04	63,9	39,9	19,8	4,03	0,2		59,68	4,22	W18/0003-0

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology	Sat/ EOM	Aro/ EOM	Asph/ EOM	NSO/ EOM	HC/ EOM	Non-HC/ EOM	Sat/ Aro	HC/ Non-HC	ASP/ NSO	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		62,48	30,23	0,43	6,86	92,71	7,29	2,07	12,72	0,06	W18/0001-0
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		61,05	31,33	0,91	6,71	92,38	7,62	1,95	12,12	0,14	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		62,44	30,95	0,31	6,3	93,39	6,61	2,02	14,12	0,05	W18/0003-0

Saturated GC peak areas

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology	nC15	nC16	nC17	nC18	nC19	nC20	nC21	nC22	nC23	nC24	nC25	nC26	nC27	nC28	nC29	nC30	nC31	nC32	nC33	nC34	Sample number			
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		3578020	3484746	1354890	3340616	2762655	3068517	1918379	3167029	2623344	2227605	2115251	1838909	1757965	1442618	1131002	919800	737453	598318	498883	320496	209653	245554	284581	W18/0001-0
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		3794427	3716412	1427488	3545365	2941046	3263278	2034402	3326185	2741728	2280842	2130922	1825088	1722071	1475530	1146187	897841	744738	678790	540916	385312	285639	314888	331993	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		3627158	3514317	1386187	3349342	2782480	3059305	1917590	3192666	2599011	2110608	2035321	1771143	1692252	1476861	1103842	891439	669088	566274	491280	298130	201291	250661	289443	W18/0003-0

Saturated GC QUANTITATIVE

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology	nC15	nC16	iC18	nC17	Pr	nC18	Ph	nC19	nC20	nC21	nC22	nC23	nC24	nC25	nC26	nC27	nC28	nC29	nC30	nC31	nC32	nC33	nC34	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		26,0	25,3	9,8	24,2	20,1	22,3	13,9	23,0	19,0	16,2	15,4	13,3	12,8	10,5	8,2	6,7	5,4	4,3	3,6	2,3	1,5	1,8	2,1	W18/0001-0
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		30,5	29,9	11,5	28,5	23,6	26,2	16,3	26,7	22,0	18,3	17,1	14,7	13,8	11,9	9,2	7,2	6,0	5,5	4,3	3,1	2,3	2,5	2,7	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		27,3	26,4	10,4	25,2	20,9	23,0	14,4	24,0	19,5	15,9	15,3	13,3	12,7	11,1	8,3	6,7	5,0	4,3	3,7	2,2	1,5	1,9	2,2	W18/0003-0

Saturated Hydrocarbon Ratios (Peak Areas)

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology	Prist/ nC17	Prist/ Phyt	(Prist/nC17)/ (Phyt/nC18)	CPI	Phyt/ nC18	(Pristane+Phytane)/ (nC17+nC27)	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		0,83	1,44	1,32	1,03	0,63	0,78	W18/0001-0
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		0,83	1,45	1,33	1,05	0,62	0,8	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		0,83	1,45	1,33	1,06	0,63	0,79	W18/0003-0

Aromatic Hydrocarbons Peak Areas

Well name	Upper depth (m)	Lower depth (m)	Sample type	Sample Desc	%Lithology	1.4.6+2.3.6														2+3MD		Sample number					
						2MN	1MN	BPh	2EN	1EN	2.6+2.7DMN	1.6DMN	1.5DMN	1.3.7TMN	1.3.6TMN	1.3.5TMN	TMN	P	3MP	2MP	9MP		1MP	DBT	4MDBT	BT	1MDBT
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		861509	615222	142051	151534	185950	482289	548781	139459	223499	236536	242721	201854	87846	70200	67298	70459	53908	35665	148220	0	0	W18/0001-0
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		824159	569975	141376	154767	187688	491152	612701	148514	253474	263990	274944	225770	117847	96352	88076	96602	74149	39452	258618	138950	73888	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		739622	528063	122408	131612	162864	408756	468339	123534	177963	191553	189421	162564	59602	43732	42138	43711	33331	0	84940	0	0	W18/0003-0

Aromatic Hydrocarbons Ratios (Peak Areas)

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%Lithology												DBT/		4/1		(3+2)/1		Sample number
						MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	Ph	MDBT	MDBT	F1	F2						
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		1,4	3,46	0,26	1,25	0,97	0,95	0,98	0,41	0	0	0,53	0,26	W18/0001-0					
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		1,4	3,31	0,23	1,19	0,96	0,92	0,98	0,33	3,5	1,88	0,52	0,25	W18/0002-0					
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1,4	3,31	0,26	1,26	0,94	0,93	0,97	0	0	0	0,53	0,26	W18/0003-0					

Terpenes peak heights, SIR TRIPHIS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.																			25nor30		
						19/3	20/3	21/3	22/3	23/3 (P)	24/3 (Q)	25/3 (R)	24/4 (S)	26/3R (T)	26/3S (T)	28/3R	28/3S	29/3R	29/3S	27Ts (A)	27Tm (B)	28ab (Z)	ab (Z1)	29ab (C)	29Ts (C1)	
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		30087,1	17679,4	19898	5052,2	26049,9	23771,6	9297,2	20990,1	5766,8	6023,1	6288,4	5817,9	11686,9	10229	45431,8	32797	40474,1	12237,2	114791,7	44384	
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		36312,1	23965	24695,5	6648,2	32450,2	28688,7	11053,7	25072,2	6161,9	6404,6	6094,6	5664,2	11166,7	11678,7	49269,4	37002,7	39945,5	10579,6	114505,6	45168,3	
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		44012,6	28472,7	30010,1	8092,7	40279,5	34307,1	13446,2	30838,6	7607,8	8102,4	7463,1	6979,3	13171	12641,3	57124	41864,4	49108,5	12922,7	134584,5	54805,8	

Steranes peak heights, SIR STERPHS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.																			Sample				
						21a (u)	22a (v)	27dbS (a)	27dbR (b)	27daR (c)	27daS (d)	28dbS (e)	28dbR (f)	+27aaS (g)	+27bbR (h)	+27bbS (i)	27faaR (j)	29dbR (k)	29daR (l)	28aaS (m)	+28bbR (n)	28bbS (o)	28aaR (p)	29aaS (q)	29bbR (r)	29bbS (s)	29aaR (t)	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		43323,9	18905,6	56875	35513,5	12642,2	13948,2	25399	15705,4	15140,6	61119,4	27970,5	16515,9	27542,3	10625,5	9263,3	25455,2	24908,4	6297,1	15018,8	31921,2	24025,1	17241,5	W18/0001-0
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		54636	23988	61668,3	36131,4	12379,2	13604	26853,3	14986,2	14796,1	59077,1	30727,9	15417,5	28667,6	10292,5	8637,1	24671,6	24179,4	6604,5	12784,9	28914,3	22029,2	14831,9	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		66002,3	27190,3	72237,9	45095,3	15018,5	16397,8	31765	17039,5	17260,4	69562,9	36336,9	17878,6	34068,1	11394,9	10106,5	28422,2	20361,6	7366,6	15402,5	35169,1	26272	17912,1	W18/0003-0

Steranes m/z 218 peak height, SIR ST218PHS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	27bbR (h)	27bbS (i)	28bbR (n)	28bbS (o)	29bbR (r)	29bbS (s)	30bbR (x)	30bbS (y)	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		61455,4	37059,8	41827,4	36643,3	46490,6	43063,5	12595,5	10920,4	W18/001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		64814,0	46068,0	47987,3	46510,6	47310,8	44833,4	11574,7	11197,5	W18/002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1										W18/003

Triterpanes m/z 177 peak height, SIR TR177PHS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	25nor28ab	25nor30ab	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		38601,8	7124,8	W18/001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		36029,3	6567,4	W18/002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		43780,6	7048,1	W18/003

Triterpanes Quant ng/g (ppb) m/z 191

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	19/3	20/3	21/3	22/3	23/3 (P)	24/3 (O)	25/3 (R)	24/4 (S)	26/3R (T)	26/3S (T)	28/3R	28/3S	29/3R	29/3S	27Ts (A)	27Tm (B)	28ab (Z)	25nor30ab (Z1)	29ab (C)	29Ts (C1)
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		46045	27056	30452	7732	39866	36379,7	14226	32122,9	8825,422	9217,66	9624	8904	17895	15654	69528,1	50191,9	61940,9	18727,6	175675	67924,5
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		60811	40133	41357	11133	54343	48043,9	18511	41987,5	10319,11	10725,5	10206	9486	18700	19557,9	82509,7	61967,1	66895,3	17717,3	191759	75641,8
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		60556	39175	41290	11135	55420	47202,4	18500	42430,2	10467,41	11147,9	10268	9603	18122	17392,9	78595,7	57600,3	67567,3	17780,1	185172	75406,1

Steranes Quant ng/g (ppb) m/z 217

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	21a (u)	22a (v)	27dbS (a)	27dbR (b)	27daS (c)	27daR (d)	28dbS (e)	28dbR (f)	28daR (+27aaS (g))	29dbS (+27bbR (h))	28daS (+27bbS (i))	27aaR (k)	29daR (l)	28aaS (m)	29daS (+28bbR (n))	28bbS (o)	28aaR (p)	29aaS (q)	29bbR (r)	29bbS (s)	29aaR (t)	Sample number	
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		66302,1	28779,7	87040,5	54349,3	19347,4	21346	38870,3	24036,3	23171,3	93536,1	42805,5	25275,7	42150,3	16667,1	14207	38956,3	38119,4	9637	22984,5	48851,6	36767,6	26366,1	W18/001-0
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		91831,9	38497,1	103106,3	60507,9	20730,9	22614,7	44970,3	25095,2	24778,5	97259,6	51459	25819,1	48042,1	17236,5	14464	41316,7	40492,4	9385,7	21410,5	46421,8	36891,4	24838,4	W18/002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		90811,1	37410,6	99390,6	62045,7	21764,4	22561,4	43732,2	24545	23775,7	94361,6	49995,1	24699	46873,5	15677,9	13905	39105,5	39022,1	10136	21191,9	46415,9	36147,1	24507,2	W18/003-0

Triterpanes Quant ng/g (ppb) m/z 177

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	25nor28ab	25nor30ab	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		59075,599	10903,684	W18/001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		60336,942	10981,436	W18/002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		60236,801	9697,3316	W18/003

Steranes Quant ng/g (ppb) m/z 218

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	27bbR (h)	27bbS (i)	28bbR (n)	28bbS (o)	29bbR (r)	29bbS (s)	30bbR (x)	30bbS (y)	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		94050,4	56715,75	64012,01	56078,34	71148,5	65888,41	19275,96	16712,41	W18/001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		108543,1	76880,44	71687,81	67856,68	79244,73	75080,84	19383,72	18752,04	W18/002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		103652,8	71413,2	69704,5	64789,58	78926,19	73242,57	18826,84	18169,58	W18/003

Amount of standard and weight of sample for NOCS 6507/5-5 Skarv 4

Well name	Upper depth (m)	Lower depth (m)	Sample type	Sample Description	%litho.	Standard			
						(peak height)	Amount (µg)	Weight (mg)	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		18749,8	2,000	69,7	W18/001
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		21714,0	2,000	55	W18/002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		22748,3	2,000	63,9	W18/003

standard is D4 cholestane

Triterpanes peak heights MRM

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	27Ts (A)	27Tm (B)	28ab (Z)	29ab (C)	30d (X)	29ba (D)	30ab (E)	30ba (F)	31abS (G)	31abR (H)	31ba (I)	Sample number
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		43043,5	26662,1	35328	98614,7	15626,1	9681,1	221010,8	12552,8	80257,5	55877,3	6126,1	W18/0003-0

Steranes peak height MRM

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	27dbS (a)	27dbR (b)	27daR (c)	27daS (d)	28dbS (e)	28dbR (f)	28daR (g)	27aaS (q)	29dbS (h)	27bbR (h)	28daS (i)	27bbS (i)	27aaR (j)	29dbR (k)	29daR (l)	28aaS (m)	29daS (n)	28bbR (n)	28bbS (o)	28aaR (p)	29aaS (q)	29bbR (r)	29bbS (s)	29aaR (t)	Sample number
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		90685,1	55805,3	15016,2	18092,9	34781,7	21685	9471,6	14495,2	61314,5	29505,3	21377,7	9779,2	15391,3	33041,8	10904,6	7939,6	23581	15876,8	18626,2	7799,8	11610,7	26142,7	23407,3	14269,3	W18/0003-0

MRM transition m/z 358-217 Saturated Hydrocarbons peak heights

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	24norδS	24norδR	27norδS	27norδR	24norαS	24norβR	24norβS	24norαR	21nor	27norαS	27norβR	27norβS	27norαR	Sample number
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1446,5	1425,2	6080,2	4953,8	2008,9	963,5	1401,5	1272,5	1676	1822,2	2196,4	1796,1	1514,1	W18/0003-0

MRM transition m/z 358-217 Saturated Hydrocarbons Ratios (peak heights)

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	Ratio D	Ratio N	Ratio A	Sample number
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		0,21	0,44	0,32	W18/0003-0

List of C₂₆ sterane ratios

Ratio D: $(24\text{nor } d\beta\text{S} + 24\text{nor } d\beta\text{R}) / (24\text{nor } d\beta\text{S} + 24\text{nor } d\beta\text{R} + 27\text{nor } d\beta\text{S} + 27\text{nor } d\beta\text{R})$

Ratio N: $(24 \alpha\alpha\text{S} + 24 \beta\beta\text{R} + 24 \beta\beta\text{S} + 24 \alpha\alpha\text{R}) / (24 \alpha\alpha\text{S} + 24 \beta\beta\text{R} + 24 \beta\beta\text{S} + 24 \alpha\alpha\text{R} + 27 \alpha\alpha\text{S} + 27 \beta\beta\text{R} + 27 \beta\beta\text{S} + 27 \alpha\alpha\text{R})$

Ratio A: $(24\text{nor } d\beta\text{S} + 24\text{nor } d\beta\text{R} + 24 \alpha\alpha\text{S} + 24 \beta\beta\text{R} + 24 \beta\beta\text{S} + 24 \alpha\alpha\text{R}) / (24\text{nor } d\beta\text{S} + 24\text{nor } d\beta\text{R} + 24 \alpha\alpha\text{S} + 24 \beta\beta\text{R} + 24 \beta\beta\text{S} + 24 \alpha\alpha\text{R} + 27\text{nor } d\beta\text{S} + 27\text{nor } d\beta\text{R} + 27 \alpha\alpha\text{S} + 27 \beta\beta\text{R} + 27 \beta\beta\text{S} + 27 \alpha\alpha\text{R})$

Aromatic Hydrocarbon peak heights from m/z 142/156 (SIR) from ARO FRACTION

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	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 number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		9745290,0	8952762,0	1576128,0	731818,6	6197899,0	7954512,0	8181472,0	3223252,0	2228137,0	1818929,0	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		9538533,0	8649868,0	1254566,0	530153,0	5361737,0	7325923,0	7047997,0	3033215,0	1649380,0	1413336,0	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		8944192,0	7345250,0	921216,5	405439,0	4033887,0	5754186,0	5940484,0	2305082,0	1210946,0	1101441,0	W18/0003

Aromatic Hydrocarbons from m/z 170 peak heights (SIR) from ARO FRACTION

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	1.3.7-TMN	1.3.6-TMN	1.3.5+1.4.6 TMN	2.3.6-TMN	1.6.7+1.2.7 DMN	1.2.6-TMN	1.2.4-TMN	1.2.5-TMN	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		3189225,0	4819459,0	4520960,0	2583535,0	2266290,0	1815232,0	490004,8	2164858,0	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		2364648,0	3538343,0	3225649,0	2409420,0	2047365,0	1592086,0	404191,8	1654046,0	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1812668,0	2894603,0	2609302,0	1857881,0	1585777,0	1221823,0	317568,3	1241720,0	W18/0003

Aromatic Hydrocarbons from m/z 178/192 peak heights (SIR) from ARO FRACTION

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	P	3MP	2MP	9MP	1MP	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		2742857,0	1194190,0	1294417,0	1822192,0	1372865,0	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		2410826,0	847665,7	995931,4	1467770,0	944908,6	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1886961,0	675928,0	798603,4	1167674,0	768949,9	W18/0003

Aromatic Hydrocarbons from m/z 184/198 peak heights (SIR) from ARO FRACTION

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	DBT	4 MDBT	2+3 MDBT	1 MDBT	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		1285345,0	1442144,0	592692,9	406726,6	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		1220029,0	1239888,0	499857,0	349716,5	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		935242,2	986698,3	389857,3	274391,0	W18/0003

Tetraromatic Sterane peak heights from m/z 231 (SIR) of ARO FRACTION TASTPHS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	a1	b1	c1	d1	e1	f1	g1	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		36991,1	37809,9	7609,2	44340	27118,2	21018,2	22829,3	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		27912,9	32064,8	7266,5	34156	24560,8	18993,9	21132,6	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		22689,2	26117,9	5951,1	26568	19732,1	14822,7	17713,4	W18/0003

Monoaromatic Sterane peak heights from m/z 253 (SIR) of ARO FRACTION MASTPHS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		21580,6	12170,2	16099,1	11064,0	27201,4	4570,3	19425,3	11511,5	1883,1	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		19849,4	10460,4	15285,7	10716,6	19080,5	4520,7	17739,7	10266,5	1808,9	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		15823,1	9135,8	12296,1	8444,4	15015,3	3433,2	13931,2	7966,1	1215,1	W18/0003

Amount of C1 C2 naphthalenes ng/g (ppb) from m/z 142/156

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	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 number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		4098798,2	3765466,6	662908,0	307797,6	2605791,3	3345609,9	3441067,7	1356676,4	937138,2	766026,3	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		4975659,4	4512038,1	854429,0	276547,8	2796884,7	3621478,4	3676501,7	1522239,6	860379,0	737249,5	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		6049543,9	4969074,5	623079,2	274225,0	2728362,4	3861933,5	4017939,1	1558078,2	819042,2	744976,8	W18/0003

Amount of C3-naphthalenes ng/g (ppb) from m/z 170

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	1.3.5+1.4.6			1.6.7+1.2.7			Sample number		
						1.3.7-TMN	1.3.6-TMN	TMN	2.3.6-TMN	DMN	1.2.6-TMN		1.2.4-TMN	1.2.5-TMN
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		1341364,9	2027029,4	1901482,9	1086616,0	953185,1	763473,4	206092,5	910523,5	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		1233489,8	1845733,5	1682620,5	1256844,6	1067983,0	830492,2	210841,7	862812,9	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1226026,3	1957809,9	1764842,1	1256606,8	1072565,0	826399,1	214792,3	839866,7	W18/0003

Amount of phenanthrenes ng/g (ppb) from m/z 178/192

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.						Sample number
						P	3MP	2MP	9MP	1MP	
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		1153625,7	502267,6	644422,4	766400,7	577417,0	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		1257578,0	442174,5	519515,5	765644,3	492900,0	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1276275,5	457174,5	538795,1	789774,5	520091,3	W18/0003

Amount of dibenzothiophenes ng/g (ppb) from m/z 184/198

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.					Sample number
						DBT	4 MDBT	2+3 MDBT	1 MDBT	
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		540606,8	606555,3	249282,3	171066,3	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		636413,2	646824,6	260744,3	182425,3	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		632565,7	667368,8	263686,1	185588,6	W18/0003

Amount of traromatic steranes ng/g (ppb) from m/z 231 SIR

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.								Sample number
						a1	b1	c1	d1	e1	f1	g1	
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		15568,2	15902,6	3200,4	18648,9	11405,7	8840,1	9601,8	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		14560,4	16726,2	3800,9	17818,8	12811,8	9907,9	11023,6	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		15346,2	17665,2	4025,1	17969,6	13346,1	10025,6	11980,7	W18/0003

Amount of monoaromatic steranes ng/g (ppb) from m/z 253 SIR

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.									Sample number	
						A1	B1	C1	D1	E1	F1	G1	H1		I1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		9076,6	5118,7	6771,2	4653,4	11440,7	1922,2	8170,1	4841,7	792,0	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		10354,2	5456,5	7973,6	5590,2	9953,1	2358,2	9253,7	5355,4	943,6	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		10702,2	6179,1	8316,7	5711,5	10155,8	2322,1	9422,6	5388,0	821,9	W18/0003

Amount of standard and weight of sample for Well NOCS 6507/5-5 SKARV 4 OILS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	Standard			Sample number
						(peak height)	Amount (µg)	Weight (mg)	
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		80604,00	2,360	69,7	W18/001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		82258,40	2,360	55,0	W18/002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		54604,65	2,360	63,9	W18/003

standard is D12 Chrysene

Carbon Isotopes SIRA

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	Wh. oil	EOM/Top.oil	Sat.	Aro.	NSO	Asph.	Kerogen	CV	Sample number
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		-28,36	-	-28,98	-27,77	-27,52	-27,49	-	0,02	W18/0001-0
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		-28,25	-	-28,87	-27,7	-27,42	-27,71	-	-0,1	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		-28,21	-	-28,94	-27,7	-27,66	-27,53	-	0,07	W18/0003-0

in Discussion

Triterpanes

27Ts/(27Ts+27Tm)

30d/29βα

29αβ/30αβ

30d/30αβ

28αβ/29αβ

Steranes

29ααS/(29ααS+29ααR)

(29ββR+29ββS)/(29ααS+29ββR+29ββS+29ααR)

see also experimental section

Tables for rock samples

Headspace gas amounts HEADSPAC

Well name	Lower depth (m)	C1	C2	C3	iC4	nC4	C5+	Sum		Wetness	iC4/nC4	Comment
								C1-C4	C2-C4			
NOCS 6507/5-5 SKARV	1100	39					57	39	0	0		
NOCS 6507/5-5 SKARV	1150	2611	4	5			222	2621	9	0,4		
NOCS 6507/5-5 SKARV	1200	10775	5	3	1	1	46	10785	9	0,1	1,32	
NOCS 6507/5-5 SKARV	1250	318					5	318	0	0		
NOCS 6507/5-5 SKARV	1300	193					48	193	0	0		
NOCS 6507/5-5 SKARV	1350	9041	6	10	2	2	29	9061	20	0,2	1,2	
NOCS 6507/5-5 SKARV	1400	4750	5	10	2	1	32	4768	18	0,4	1,71	
NOCS 6507/5-5 SKARV	1450	35509	17	10	5	2	38	35542	34	0,1	2,43	
NOCS 6507/5-5 SKARV	1500	9894	12	10	2	1	36	9919	25	0,3	1,45	
NOCS 6507/5-5 SKARV	1550	1372	2	2	0	0	18	1377	5	0,3	1	
NOCS 6507/5-5 SKARV	1600	6474	6	6	1	2	49	6489	15	0,2	0,71	
NOCS 6507/5-5 SKARV	1650	15442	17	28	4	2	21	15493	52	0,3	1,72	
NOCS 6507/5-5 SKARV	1700	71		1			43	72	1	1,8		
NOCS 6507/5-5 SKARV	1750	64		4			205	68	4	6,3		
NOCS 6507/5-5 SKARV	1800	210	2	13	8	1	44	234	24	10,3	5,33	
NOCS 6507/5-5 SKARV	1850	26					16	26	0	0		
NOCS 6507/5-5 SKARV	1900											loose lid no headspace gas
NOCS 6507/5-5 SKARV	1950	5244	20	9	1	1	20	5276	32	0,6	1,7	
NOCS 6507/5-5 SKARV	2000	858	5	2	0	0	3	865	7	0,8	1,96	
NOCS 6507/5-5 SKARV	2050	2961	20	8			10	2989	27	0,9		
NOCS 6507/5-5 SKARV	2100	2650	31	7	1	1	24	2689	39	1,4	1,07	
NOCS 6507/5-5 SKARV	2150											loose lid no headspace gas
NOCS 6507/5-5 SKARV	2200	5047	52	11	2	2	11	5114	67	1,3	1,16	
NOCS 6507/5-5 SKARV	2250	6238	106	29	7	6	19	6386	148	2,3	1,12	
NOCS 6507/5-5 SKARV	2300	8006	189	58	14	12	34	8279	273	3,3	1,1	
NOCS 6507/5-5 SKARV	2350	9523	317	111	27	23	37	10002	479	4,8	1,18	
NOCS 6507/5-5 SKARV	2400	8443	320	116	28	24	25	8929	487	5,5	1,19	
NOCS 6507/5-5 SKARV	2450	13811	576	218	49	40	77	14786	895	6	1,24	
NOCS 6507/5-5 SKARV	2500	9716	640	300	60	48	38	10765	1048	9,7	1,25	
NOCS 6507/5-5 SKARV	2600	8935	623	291	52	43	42	9944	1009	10,1	1,21	
NOCS 6507/5-5 SKARV	2650											loose lid no headspace gas
NOCS 6507/5-5 SKARV	2700	89	4	7	1	3	16	104	16	15	0,46	
NOCS 6507/5-5 SKARV	2750	5312	286	124	19	18	12	5759	447	7,8	1,1	
NOCS 6507/5-5 SKARV	2800	11601	699	298	40	50	47	12688	1088	8,6	0,8	
NOCS 6507/5-5 SKARV	2850	4779	373	153	19	28	23	5352	573	10,7	0,67	

Headspace Gas Isotope

Well name	Lower depth (m)	Methane	Ethane	Propane	i-Butane	n-Butane	gas	
							gas	gas
NOCS 6507/5-5 SKARV	1100	-	-	-	-	-		
NOCS 6507/5-5 SKARV	1600	(-57,22)	-	-	-	-		
NOCS 6507/5-5 SKARV	2200	(-48,41)	-32,92	-	-	-		
NOCS 6507/5-5 SKARV	2400	-46,72	-31,61	-29,03	-29,36	-28,25		
NOCS 6507/5-5 SKARV	2600	-36,49	-28,57	-27,74	-28,07	-27,01		
NOCS 6507/5-5 SKARV	2800	-37,62	-28,40	-29,03	-29,29	-28,59		
NOCS 6507/5-5 SKARV	2900	-38,74	-28,33	-28,25	-28,86	-27,65		
NOCS 6507/5-5 SKARV	3000	-36,87	-28,36	-26,46	-27,77	-27,09		
NOCS 6507/5-5 SKARV	3200	(-21,79)	-23,53	-25,44	-28,36	-26,98		
NOCS 6507/5-5 SKARV	3400	-36,22	-27,36	-30,47	-29,96	-31,29		
NOCS 6507/5-5 SKARV	3750	(-54,50)	-33,22	-31,18	-31,56	-31,56		

Well name	Upper depth (m)	Lower depth (m)	Sample type	Desc	%Lithology	Sample number
NOCS 6507/5-5 SKARV	1050	1100	cut	bulk fraction		W18/0004-0
NOCS 6507/5-5 SKARV	1100	1150	cut	bulk fraction		W18/0005-0
NOCS 6507/5-5 SKARV	1150	1200	cut	bulk fraction		W18/0006-0
NOCS 6507/5-5 SKARV	1200	1250	cut	bulk fraction		W18/0007-0
NOCS 6507/5-5 SKARV	1250	1300	cut	bulk fraction		W18/0008-0
NOCS 6507/5-5 SKARV	1300	1350	cut	bulk fraction		W18/0009-0
NOCS 6507/5-5 SKARV	1350	1400	cut	bulk fraction		W18/0010-0
NOCS 6507/5-5 SKARV	1400	1450	cut	bulk fraction		W18/0011-0
NOCS 6507/5-5 SKARV	1450	1500	cut	bulk fraction		W18/0012-0
NOCS 6507/5-5 SKARV	1500	1550	cut	bulk fraction		W18/0013-0
NOCS 6507/5-5 SKARV	1550	1600	cut	bulk fraction		W18/0014-0
NOCS 6507/5-5 SKARV	1600	1650	cut	bulk fraction		W18/0015-0
NOCS 6507/5-5 SKARV	1650	1700	cut	bulk fraction		W18/0016-0
NOCS 6507/5-5 SKARV	1700	1750	cut	bulk fraction		W18/0017-0
NOCS 6507/5-5 SKARV	1750	1800	cut	bulk fraction		W18/0018-0
NOCS 6507/5-5 SKARV	1800	1850	cut	bulk fraction		W18/0019-0
NOCS 6507/5-5 SKARV	1850	1900	cut	bulk fraction		W18/0020-0
NOCS 6507/5-5 SKARV	1900	1950	cut	bulk fraction		W18/0021-0
NOCS 6507/5-5 SKARV	1950	2000	cut	bulk fraction		W18/0022-0
NOCS 6507/5-5 SKARV	2000	2050	cut	bulk fraction		W18/0023-0
NOCS 6507/5-5 SKARV	2050	2100	cut	bulk fraction		W18/0024-0
NOCS 6507/5-5 SKARV	2100	2150	cut	bulk fraction		W18/0025-0
NOCS 6507/5-5 SKARV	2150	2200	cut	bulk fraction		W18/0026-0
NOCS 6507/5-5 SKARV	2200	2250	cut	bulk fraction		W18/0027-0
NOCS 6507/5-5 SKARV	2250	2300	cut	bulk fraction		W18/0028-0
NOCS 6507/5-5 SKARV	2300	2350	cut	bulk fraction		W18/0029-0
NOCS 6507/5-5 SKARV	2350	2400	cut	bulk fraction		W18/0030-0
NOCS 6507/5-5 SKARV	2400	2450	cut	bulk fraction		W18/0031-0
NOCS 6507/5-5 SKARV	2450	2500	cut	bulk fraction		W18/0032-0
NOCS 6507/5-5 SKARV	2500	2550	cut	bulk fraction		W18/0033-0
NOCS 6507/5-5 SKARV	2550	2600	cut	bulk fraction		W18/0034-0
NOCS 6507/5-5 SKARV	2600	2650	cut	bulk fraction		W18/0035-0

NOCS 6507/5-5 SKARV	2650	2700	cut	bulk fraction		W18/0036-0
NOCS 6507/5-5 SKARV	2700	2750	cut	bulk fraction		W18/0037-0
NOCS 6507/5-5 SKARV	2750	2800	cut	bulk fraction		W18/0038-0
NOCS 6507/5-5 SKARV	2800	2850	cut	bulk fraction		W18/0039-0
NOCS 6507/5-5 SKARV	2850	2900	cut	bulk fraction		W18/0040-0
NOCS 6507/5-5 SKARV	2900	2950	cut	bulk fraction		W18/0041-0
NOCS 6507/5-5 SKARV	2950	3000	cut	bulk fraction		W18/0042-0
NOCS 6507/5-5 SKARV	3000	3050	cut	bulk fraction		W18/0043-0
NOCS 6507/5-5 SKARV	3050	3100	cut	bulk fraction		W18/0044-0
NOCS 6507/5-5 SKARV	3100	3150	cut	bulk fraction		W18/0045-0
NOCS 6507/5-5 SKARV	3150	3200	cut	bulk fraction		W18/0046-0
NOCS 6507/5-5 SKARV	3200	3250	cut	bulk fraction		W18/0047-0
NOCS 6507/5-5 SKARV	3250	3300	cut	bulk fraction		W18/0048-0
NOCS 6507/5-5 SKARV	3300	3350	cut	bulk fraction		W18/0049-0
NOCS 6507/5-5 SKARV	3350	3400	cut	bulk fraction		W18/0050-0
NOCS 6507/5-5 SKARV	3400	3450	cut	bulk fraction		W18/0051-0
NOCS 6507/5-5 SKARV	3450	3500	cut	bulk fraction		W18/0052-0
NOCS 6507/5-5 SKARV	3500	3550	cut	bulk fraction		W18/0053-0
NOCS 6507/5-5 SKARV	3550	3600	cut	bulk fraction		W18/0054-0
NOCS 6507/5-5 SKARV	3600	3650	cut	bulk fraction		W18/0055-0
6507/5-5	3653,3	3653,3	oil	3653,3		W18/0001-0
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	bulk fraction		W18/0070-0
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	W18/0070-1
NOCS 6507/5-5 SKARV	3667,9	3667,9	ccp	bulk fraction		W18/0071-0
NOCS 6507/5-5 SKARV	3667,9	3667,9	ccp	sandstone/sand	100	W18/0071-1
6507/5-5	3668	3668	oil	3668		W18/0002-0
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	bulk fraction		W18/0072-0
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	W18/0072-1
NOCS 6507/5-5 SKARV	3694,42	3694,42	ccp	bulk fraction		W18/0073-0
NOCS 6507/5-5 SKARV	3694,42	3694,42	ccp	sandstone/sand	100	W18/0073-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	bulk fraction		W18/0078-0
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	W18/0078-1
NOCS 6507/5-5 SKARV	3696,37	3696,37	ccp	bulk fraction		W18/0074-0
NOCS 6507/5-5 SKARV	3696,37	3696,37	ccp	sandstone/sand	100	W18/0074-1
NOCS 6507/5-5 SKARV	3650	3700	cut	bulk fraction		W18/0056-0

6507/5-5	3648	3703	oil	A-D DST 1		W18/0003-0
NOCS 6507/5-5 SKARV	3703	3703	ccp	bulk fraction		W18/0079-0
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	W18/0079-1
NOCS 6507/5-5 SKARV	3705,85	3705,85	ccp	bulk fraction		W18/0075-0
NOCS 6507/5-5 SKARV	3705,85	3705,85	ccp	sandstone/sand	100	W18/0075-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	bulk fraction		W18/0076-0
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	bulk fraction		W18/0077-0
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	W18/0077-1
NOCS 6507/5-5 SKARV	3700	3750	cut	bulk fraction		W18/0057-0
NOCS 6507/5-5 SKARV	3750	3750	cut	bulk fraction		W18/0062-0
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	W18/0062-1
NOCS 6507/5-5 SKARV	3750	3750	cut	shale/claystone	30	W18/0062-2
NOCS 6507/5-5 SKARV	3750	3750	cut	coal	tr	W18/0062-3
NOCS 6507/5-5 SKARV	3765	3765	cut	bulk fraction		W18/0063-0
NOCS 6507/5-5 SKARV	3765	3765	cut	sandstone/sand	90	W18/0063-1
NOCS 6507/5-5 SKARV	3765	3765	cut	shale/claystone	10	W18/0063-2
NOCS 6507/5-5 SKARV	3765	3765	cut	coal	tr	W18/0063-3
NOCS 6507/5-5 SKARV	3750	3800	cut	bulk fraction		W18/0058-0
NOCS 6507/5-5 SKARV	3828	3831	cut	bulk fraction		W18/0064-0
NOCS 6507/5-5 SKARV	3831	3834	cut	bulk fraction		W18/0065-0
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	W18/0065-1
NOCS 6507/5-5 SKARV	3831	3834	cut	shale/claystone	25	W18/0065-2
NOCS 6507/5-5 SKARV	3831	3834	cut	coal	tr	W18/0065-3
NOCS 6507/5-5 SKARV	3846	3849	cut	bulk fraction		W18/0066-0
NOCS 6507/5-5 SKARV	3846	3849	cut	sandstone/sand	80	W18/0066-1
NOCS 6507/5-5 SKARV	3846	3849	cut	shale/claystone	20	W18/0066-2
NOCS 6507/5-5 SKARV	3846	3849	cut	coal	tr	W18/0066-3
NOCS 6507/5-5 SKARV	3800	3850	cut	bulk fraction		W18/0059-0
NOCS 6507/5-5 SKARV	3867	3870	cut	bulk fraction		W18/0067-0
NOCS 6507/5-5 SKARV	3867	3870	cut	sandstone/sand	90	W18/0067-1
NOCS 6507/5-5 SKARV	3867	3870	cut	shale/claystone	10	W18/0067-2
NOCS 6507/5-5 SKARV	3867	3870	cut	coal	tr	W18/0067-3
NOCS 6507/5-5 SKARV	3885	3888	cut	bulk fraction		W18/0068-0
NOCS 6507/5-5 SKARV	3888	3891	cut	bulk fraction		W18/0069-0
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	W18/0069-1
NOCS 6507/5-5 SKARV	3888	3891	cut	shale/claystone	10	W18/0069-2
NOCS 6507/5-5 SKARV	3888	3891	cut	coal	tr	W18/0069-3
NOCS 6507/5-5 SKARV	3850	3900	cut	bulk fraction		W18/0060-0
NOCS 6507/5-5 SKARV	3900	3950	cut	bulk fraction		W18/0061-0

TOC data: TOC

Well name	Upper depth (m)	Lower depth (m)	Sample type	Desc	%Lithology	TOC	Sample number
NOCS 6507/5-5 SKARV 4	3655,1	3655,1	ccp	sandstone/sand	100	0,79	W18/0070-1
NOCS 6507/5-5 SKARV 4	3667,9	3667,9	ccp	sandstone/sand	100	1,29	W18/0071-1
NOCS 6507/5-5 SKARV 4	3680,33	3680,33	ccp	sandstone/sand	100	0,6	W18/0072-1
NOCS 6507/5-5 SKARV 4	3694,42	3694,42	ccp	sandstone/sand	100	0,69	W18/0073-1
NOCS 6507/5-5 SKARV 4	3695	3695	ccp	sandstone/sand	100	4,52	W18/0078-1
NOCS 6507/5-5 SKARV 4	3696,37	3696,37	ccp	sandstone/sand	100	0,71	W18/0074-1
NOCS 6507/5-5 SKARV 4	3703	3703	ccp	sandstone/sand	100	3,16	W18/0079-1
NOCS 6507/5-5 SKARV 4	3705,85	3705,85	ccp	sandstone/sand	100	0,5	W18/0075-1
NOCS 6507/5-5 SKARV 4	3709,45	3709,45	ccp	sandstone/sand	100	0,44	W18/0076-1
NOCS 6507/5-5 SKARV 4	3717,6	3717,6	ccp	sandstone/sand	100	0,47	W18/0077-1
NOCS 6507/5-5 SKARV 4	3750	3750	cut	sandstone/sand	70	0,73	W18/0062-1
NOCS 6507/5-5 SKARV 4	3765	3765	cut	sandstone/sand	90	0,31	W18/0063-1
NOCS 6507/5-5 SKARV 4	3831	3834	cut	sandstone/sand	75	0,94	W18/0065-1
NOCS 6507/5-5 SKARV 4	3846	3849	cut	sandstone/sand	80	0,32	W18/0066-1
NOCS 6507/5-5 SKARV 4	3867	3870	cut	sandstone/sand	90	0,25	W18/0067-1
NOCS 6507/5-5 SKARV 4	3888	3891	cut	sandstone/sand	90	0,26	W18/0069-1

Well name	Upper depth (m)	Lower depth (m)	Sample type	Desc	%Lithology	S1	S2	S3	TOC	Tmax	S2/S3	HI	OI	PP	PI	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	8,60	2,27	0,10	0,79	349	22,7	287	13	10,9	0,79	W18/0070-1
NOCS 6507/5-5 SKARV	3667,9	3667,9	ccp	sandstone/sand	100	13,53	3,24	0,16	1,29	351	20,25	251	12	16,8	0,81	W18/0071-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	5,44	1,79	0,20	0,60	349	8,95	298	33	7,2	0,75	W18/0072-1
NOCS 6507/5-5 SKARV	3694,42	3694,42	ccp	sandstone/sand	100	6,83	1,18	0,15	0,69	418	7,87	171	22	8,0	0,85	W18/0073-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	6,11	9,88	0,16	4,52	447	61,75	219	4	16,0	0,38	W18/0078-1
NOCS 6507/5-5 SKARV	3696,37	3696,37	ccp	sandstone/sand	100	6,77	1,41	0,29	0,71	326	4,86	199	41	8,2	0,83	W18/0074-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	7,59	7,02	0,21	3,16	444	33,43	222	7	14,6	0,52	W18/0079-1
NOCS 6507/5-5 SKARV	3705,85	3705,85	ccp	sandstone/sand	100	4,35	0,92	0,14	0,50	422	6,57	184	28	5,3	0,83	W18/0075-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	3,97	1,09	0,04	0,44	320	27,25	248	9	5,1	0,78	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	1,31	0,97	0,93	0,47	311	1,04	206	198	2,3	0,57	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	1,99	1,32	2,38	0,73	436	0,55	181	326	3,3	0,60	W18/0062-1
NOCS 6507/5-5 SKARV	3765	3765	cut	sandstone/sand	90	0,79	0,46	1,64	0,31	422	0,28	148	529	1,2	0,63	W18/0063-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	1,37	1,67	0,89	0,94	441	1,88	178	95	3,0	0,45	W18/0065-1
NOCS 6507/5-5 SKARV	3846	3849	cut	sandstone/sand	80	0,57	0,42	1,15	0,32	437	0,37	131	359	1,0	0,58	W18/0066-1
NOCS 6507/5-5 SKARV	3867	3870	cut	sandstone/sand	90	0,26	0,28	0,71	0,25	442	0,39	112	284	0,5	0,48	W18/0067-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	0,30	0,29	1,20	0,26	436	0,24	112	462	0,6	0,51	W18/0069-1

Extraction and MPLC data

Table 5a

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology	Rock extracted (g) or whole oil (mg)	EOM or topped Oil (mg)	Sat (mg)	Aro (mg)	NSO (mg)	Asph (mg)	TOC(e)	HC	Non-HC	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	11,71	169	92,1	46,6	27,5	2,78	0,79	138,69	30,31	W18/0070-1
NOCS 6507/5-5 SKARV	3667,9	3667,9	ccp	sandstone/sand	100	10,8	235,2	116	61,4	53,3	4,63	1,29	177,27	57,93	W18/0071-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	12,02	125,9	53,5	28,8	39,7	3,9	0,6	82,31	43,59	W18/0072-1
NOCS 6507/5-5 SKARV	3694,42	3694,42	ccp	sandstone/sand	100	13,77	141	79	42,5	13,2	6,29	0,69	121,55	19,45	W18/0073-1
NOCS 6507/5-5 SKARV	3695,00	3695,00	ccp	sandstone/sand	100	4,11	144,5	16,8	14,5	5,81	107	4,52	31,36	113,14	W18/0078-1
NOCS 6507/5-5 SKARV	3696,37	3696,37	ccp	sandstone/sand	100	10,87	122	59,4	33,4	24,7	4,49	0,71	92,79	29,21	W18/0074-1
NOCS 6507/5-5 SKARV	3703,00	3703,00	ccp	sandstone/sand	100	5,06	184,6	26,3	21,4	6,12	131	3,16	47,77	136,83	W18/0079-1
NOCS 6507/5-5 SKARV	3705,85	3705,85	ccp	sandstone/sand	100	12,39	88,7	46,7	27	9,05	6	0,5	73,65	15,05	W18/0075-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	11,72	83	36,2	20,3	24,3	2,17	0,45	56,54	26,46	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	12,23	47,5	4,62	1,35	38,2	3,37	0,47	5,97	41,53	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	7,78	27	6,92	5,96	11,7	2,4	0,73	12,88	14,12	W18/0062-1
NOCS 6507/5-5 SKARV	3765	3765	cut	sandstone/sand	90	7,43	11,3	3,15	2,04	4,63	1,49	0,31	5,18	6,12	W18/0063-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	5,06	14	3,19	3,37	4,26	3,18	0,94	6,57	7,43	W18/0065-1
NOCS 6507/5-5 SKARV	3846	3849	cut	sandstone/sand	80	7,18	7,8	2,26	0,65	3,39	1,5	0,32	2,91	4,89	W18/0066-1
NOCS 6507/5-5 SKARV	3867	3870	cut	sandstone/sand	90	6,21	4,8	1	0,75	1,75	1,3	0,25	1,75	3,05	W18/0067-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	7,52	12	1,65	0,73	1,65	7,96	0,26	2,39	9,61	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		79,79	69,7	43,6	21,1	4,78	0,3		64,62	5,08	W18/0001-0
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		62,72	55	33,6	17,2	3,69	0,5		50,81	4,19	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		74,04	63,9	39,9	19,8	4,03	0,2		59,68	4,22	W18/0003-0

Table 5b

Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology	EOM (ppm)	Sat (ppm)	Aro (ppm)	NSO (ppm)	Asph (ppm)	SAT/ARO	HC (ppm)	HC/ non HC	EOM (ppm)	Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology	EOM (mg/gTOC)	Sat (mg/gTOC)	Aro (mg/gTOC)	NSO (mg/gTOC)	Asph (mg/gTOC)
3655,1	3655,1	ccp	sandstone/sand	100	14432	7867	3976	2352	237	1,98	11844	4,58	14432	3655,1	3655,1	ccp	sandstone/sand	100	1826,8	995,8	503,3	297,7	30,1
3667,9	3667,9	ccp	sandstone/sand	100	21778	10728	5686	4935	429	1,89	16414	3,06	21778	3667,9	3667,9	ccp	sandstone/sand	100	1688,2	831,6	440,8	382,6	33,2
3680,33	3680,33	ccp	sandstone/sand	100	10474	4454	2394	3303	324	1,86	6848	1,89	10475	3680,33	3680,33	ccp	sandstone/sand	100	1745,7	742,4	398,9	550,5	54,1
3694,42	3694,42	ccp	sandstone/sand	100	10240	5737	3089	956	457	1,86	8827	6,25	10240	3694,42	3694,42	ccp	sandstone/sand	100	1484,0	831,5	447,7	138,6	66,2
3695,00	3695,00	ccp	sandstone/sand	100	35158	4097	3533	1414	26114	1,16	7630	0,28	35158	3695,00	3695,00	ccp	sandstone/sand	100	777,8	90,6	78,2	31,3	577,8
3696,37	3696,37	ccp	sandstone/sand	100	11224	5465	3072	2274	413	1,78	8536	3,18	11224	3696,37	3696,37	ccp	sandstone/sand	100	1580,8	769,7	432,6	320,3	58,2
3703,00	3703,00	ccp	sandstone/sand	100	36482	5204	4235	1209	25832	1,23	9441	0,35	36480	3703,00	3703,00	ccp	sandstone/sand	100	1154,5	164,7	134,0	38,3	817,5
3705,85	3705,85	ccp	sandstone/sand	100	7159	3769	2175	730	484	1,73	5944	4,89	7159	3705,85	3705,85	ccp	sandstone/sand	100	1431,8	753,8	435,0	146,1	96,9
3709,45	3709,45	ccp	sandstone/sand	100	7082	3090	1734	2073	185	1,78	4824	2,14	7082	3709,45	3709,45	ccp	sandstone/sand	100	1573,8	686,8	385,3	460,6	41,1
3717,6	3717,6	ccp	sandstone/sand	100	3884	378	110	3120	276	3,42	488	0,14	3884	3717,6	3717,6	ccp	sandstone/sand	100	826,4	80,4	23,5	663,9	58,6
3750	3750	cut	sandstone/sand	70	3470	889	766	1506	308	1,16	1656	0,91	3470	3750	3750	cut	sandstone/sand	70	475,4	121,8	104,9	206,4	42,3
3765	3765	cut	sandstone/sand	90	1521	424	275	623	201	1,54	697	0,85	1522	3765	3765	cut	sandstone/sand	90	490,6	136,8	88,6	201,0	64,7
3831	3834	cut	sandstone/sand	75	2767	630	666	842	628	0,95	1298	0,88	2767	3831	3834	cut	sandstone/sand	75	294,3	67,1	70,9	89,6	66,9
3846	3849	cut	sandstone/sand	80	1086	315	91	472	209	3,48	405	0,60	1086	3846	3849	cut	sandstone/sand	80	339,5	98,4	28,3	147,5	65,3
3867	3870	cut	sandstone/sand	90	773	161	121	282	209	1,33	282	0,57	773	3867	3870	cut	sandstone/sand	90	309,2	64,4	48,3	112,7	83,7
3888	3891	cut	sandstone/sand	90	1596	219	97	219	1059	2,26	318	0,25	1594	3888	3891	cut	sandstone/sand	90	613,7	84,4	37,3	84,4	407,1

Table 5c

Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology	EOM (ppm)	Sat (ppm)	Aro (ppm)	NSO (ppm)	Asph (ppm)	SAT/ARO	HC (ppm)	HC/ non HC	EOM (ppm)	Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology	EOM (mg/gTOC)	Sat (mg/gTOC)	Aro (mg/gTOC)	NSO (mg/gTOC)	Asph (mg/gTOC)
3655,1	3655,1	ccp	sandstone/sand	100	14432	7867	3976	2352	237	1,98	11844	4,58	14432	3655,1	3655,1	ccp	sandstone/sand	100	1826,8	995,8	503,3	297,7	30,1
3667,9	3667,9	ccp	sandstone/sand	100	21778	10728	5686	4935	429	1,89	16414	3,06	21778	3667,9	3667,9	ccp	sandstone/sand	100	1688,2	831,6	440,8	382,6	33,2
3680,33	3680,33	ccp	sandstone/sand	100	10474	4454	2394	3303	324	1,86	6848	1,89	10475	3680,33	3680,33	ccp	sandstone/sand	100	1745,7	742,4	398,9	550,5	54,1
3694,42	3694,42	ccp	sandstone/sand	100	10240	5737	3089	956	457	1,86	8827	6,25	10240	3694,42	3694,42	ccp	sandstone/sand	100	1484,0	831,5	447,7	138,6	66,2
3695,00	3695,00	ccp	sandstone/sand	100	35158	4097	3533	1414	26114	1,16	7630	0,28	35158	3695,00	3695,00	ccp	sandstone/sand	100	777,8	90,6	78,2	31,3	577,8
3696,37	3696,37	ccp	sandstone/sand	100	11224	5465	3072	2274	413	1,78	8536	3,18	11224	3696,37	3696,37	ccp	sandstone/sand	100	1580,8	769,7	432,6	320,3	58,2
3703,00	3703,00	ccp	sandstone/sand	100	36482	5204	4235	1209	25832	1,23	9441	0,35	36480	3703,00	3703,00	ccp	sandstone/sand	100	1154,5	164,7	134,0	38,3	817,5
3705,85	3705,85	ccp	sandstone/sand	100	7159	3769	2175	730	484	1,73	5944	4,89	7159	3705,85	3705,85	ccp	sandstone/sand	100	1431,8	753,8	435,0	146,1	96,9
3709,45	3709,45	ccp	sandstone/sand	100	7082	3090	1734	2073	185	1,78	4824	2,14	7082	3709,45	3709,45	ccp	sandstone/sand	100	1573,8	686,8	385,3	460,6	41,1
3717,6	3717,6	ccp	sandstone/sand	100	3884	378	110	3120	276	3,42	488	0,14	3884	3717,6	3717,6	ccp	sandstone/sand	100	826,4	80,4	23,5	663,9	58,6
3750	3750	cut	sandstone/sand	70	3470	889	766	1506	308	1,16	1656	0,91	3470	3750	3750	cut	sandstone/sand	70	475,4	121,8	104,9	206,4	42,3
3765	3765	cut	sandstone/sand	90	1521	424	275	623	201	1,54	697	0,85	1522	3765	3765	cut	sandstone/sand	90	490,6	136,8	88,6	201,0	64,7
3831	3834	cut	sandstone/sand	75	2767	630	666	842	628	0,95	1298	0,88	2767	3831	3834	cut	sandstone/sand	75	294,3	67,1	70,9	89,6	66,9
3846	3849	cut	sandstone/sand	80	1086	315	91	472	209	3,48	405	0,60	1086	3846	3849	cut	sandstone/sand	80	339,5	98,4	28,3	147,5	65,3
3867	3870	cut	sandstone/sand	90	773	161	121	282	209	1,33	282	0,57	773	3867	3870	cut	sandstone/sand	90	309,2	64,4	48,3	112,7	83,7
3888	3891	cut	sandstone/sand	90	1596	219	97	219	1059	2,26	318	0,25	1594	3888	3891	cut	sandstone/sand	90	613,7	84,4	37,3	84,4	407,1

Table 5d

Table 5e

% Lithology	Sat/ EOM	Aro/ EOM	Asph/ EOM	NSO/ EOM	HC/ EOM	Non-HC/ EOM	Sat/ Aro	HC/ Non-HC	ASP/ NSO	Sample number
100	54,51	27,55	1,64	16,29	82,06	17,94	1,98	4,58	0,10	W18/0070-1
100	49,26	26,11	1,97	22,66	75,37	24,63	1,89	3,06	0,09	W18/0071-1
100	42,52	22,85	3,1	31,53	65,37	34,63	1,86	1,89	0,10	W18/0072-1
100	56,03	30,17	4,46	9,34	86,2	13,8	1,86	6,25	0,48	W18/0073-1
100	11,66	10,05	74,28	4,02	21,7	78,3	1,16	0,28	18,48	W18/0078-1
100	48,68	27,37	3,68	20,26	76,05	23,95	1,78	3,18	0,18	W18/0074-1
100	14,26	11,61	70,81	3,32	25,88	74,12	1,23	0,35	21,33	W18/0079-1
100	52,65	30,38	6,77	10,2	83,03	16,97	1,73	4,89	0,66	W18/0075-1
100	43,64	24,48	2,62	29,27	68,12	31,88	1,78	2,14	0,09	W18/0076-1
100	9,74	2,84	7,1	80,33	12,58	87,42	3,43	0,14	0,09	W18/0077-1
70	25,62	22,07	8,89	43,42	47,69	52,31	1,16	0,91	0,20	W18/0062-1
90	27,85	18,02	13,19	40,95	45,86	54,14	1,55	0,85	0,32	W18/0063-1
75	22,81	24,08	22,69	30,42	46,89	53,11	0,95	0,88	0,75	W18/0065-1
80	28,99	8,28	19,23	43,49	37,28	62,72	3,5	0,59	0,44	W18/0066-1
90	20,83	15,62	27,08	36,46	36,46	63,54	1,33	0,57	0,74	W18/0067-1
90	13,77	6,12	66,34	13,77	19,89	80,11	2,25	0,25	4,82	W18/0069-1
	62,48	30,23	0,43	6,86	92,71	7,29	2,07	12,72	0,06	W18/0001-0
	61,05	31,33	0,91	6,71	92,38	7,62	1,95	12,12	0,14	W18/0002-0
	62,44	30,95	0,31	6,3	93,39	6,61	2,02	14,12	0,05	W18/0003-0

Saturated GC QUANTITATIVE

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology																					Sample number			
						nC15	nC16	iC18	nC17	Pr	nC18	Ph	nC19	nC20	nC21	nC22	nC23	nC24	nC25	nC26	nC27	nC28	nC29	nC30	nC31		nC32	nC33	nC34
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	52,4	54,2	31,1	50,9	40,6	47,3	30,4	43,1	40,1	33,5	30,1	26,9	26,2	22,9	18,0	14,4	12,4	10,8	8,3	7,3	5,0	6,3	5,1	W18/0070-1
NOCS 6507/5-5 SKARV	3667,9	3667,9	ccp	sandstone/sand	100	51,1	51,6	29,6	48,3	38,6	45,1	28,7	41,4	38,2	31,6	28,7	25,6	22,8	19,4	15,8	13,5	11,7	10,7	8,5	7,9	5,4	6,8	5,7	W18/0071-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	40,2	41,0	23,6	38,6	30,6	36,2	23,2	31,4	30,9	25,4	22,3	19,7	17,6	15,4	12,6	9,9	8,4	7,4	5,7	5,5	3,5	4,3	3,8	W18/0072-1
NOCS 6507/5-5 SKARV	3694,42	3694,42	ccp	sandstone/sand	100	37,9	38,6	22,0	36,2	28,7	33,9	21,7	29,2	28,5	23,5	20,8	18,3	17,4	14,5	11,7	9,2	7,8	6,7	5,3	4,9	3,3	4,0	3,6	W18/0073-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	37,4	39,6	17,9	40,7	23,8	36,7	15,4	38,0	33,0	29,5	27,4	25,2	21,7	20,9	15,4	12,6	9,7	8,4	5,9	5,3	3,2	2,6	2,2	W18/0078-1
NOCS 6507/5-5 SKARV	3696,37	3696,37	ccp	sandstone/sand	100	39,2	40,6	23,3	38,1	30,3	35,6	22,5	30,6	29,9	24,8	21,9	19,4	18,3	14,9	12,1	10,0	7,9	6,8	5,3	4,9	3,3	4,1	3,8	W18/0074-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	38,2	41,7	24,1	43,5	30,9	39,5	23,6	40,9	34,7	29,2	26,6	23,1	21,3	17,1	13,7	10,3	8,4	6,9	5,5	4,9	3,1	3,2	2,9	W18/0079-1
NOCS 6507/5-5 SKARV	3705,85	3705,85	ccp	sandstone/sand	100	33,4	33,9	19,4	32,0	25,4	29,9	18,8	26,2	26,0	21,6	20,2	18,0	17,4	15,4	12,1	10,2	8,2	7,1	5,5	5,0	3,3	3,9	3,5	W18/0075-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	36,0	38,8	22,6	37,4	30,0	35,1	22,7	30,3	29,7	24,6	21,6	19,3	18,5	15,1	12,5	9,8	8,3	7,2	5,6	5,0	3,5	3,8	3,8	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	6,0	11,7	9,2	14,5	9,5	15,3	8,5	14,3	14,0	10,5	8,2	7,2	6,1	5,9	3,4	2,8	2,2	2,2	1,4	1,6	0,9	1,3	1,0	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	59,5	86,5	49,6	44,8	26,7	11,3	4,8	4,6	3,3	2,5	1,7	1,4	1,4	1,2	1,0	0,7	0,6	0,6	0,4	0,5	0,3	0,3	0,2	W18/0062-1
NOCS 6507/5-5 SKARV	3765	3765	cut	sandstone/sand	90	50,3	67,7	36,9	32,9	19,1	9,4	4,2	4,2	3,9	3,8	3,7	3,8	3,7	3,4	3,0	2,3	1,9	1,7	1,3	1,3	0,8	1,0	0,9	W18/0063-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	61,7	66,5	32,9	34,5	20,1	16,5	5,3	13,7	1,3	12,4	10,2	9,8	7,9	7,0	5,2	4,3	3,2	3,1	2,4	2,5	1,6	1,2	1,2	W18/0065-1
NOCS 6507/5-5 SKARV	3846	3849	cut	sandstone/sand	80	21,2	40,4	21,8	25,3	13,6	12,8	4,0	9,0	8,6	8,5	7,5	7,7	6,8	6,9	5,1	5,2	3,5	3,5	2,5	2,5	1,6	1,7	1,0	W18/0066-1
NOCS 6507/5-5 SKARV	3867	3870	cut	sandstone/sand	90	35,4	54,4	26,3	30,9	15,8	17,4	4,0	14,0	13,1	13,0	11,2	11,0	9,1	8,7	6,3	6,3	4,2	4,2	3,0	3,3	2,4	2,1	1,5	W18/0067-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	15,8	33,1	18,2	20,5	11,3	10,3	3,1	8,7	13,4	18,9	21,1	20,3	19,0	15,3	11,1	8,2	5,6	4,8	3,6	3,4	2,2	2,7	2,5	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		26,0	25,3	9,8	24,2	20,1	22,3	13,9	23,0	19,0	16,2	15,4	13,3	12,8	10,5	8,2	6,7	5,4	4,3	3,6	2,3	1,5	1,8	2,1	W18/0001-0
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		30,5	29,9	11,5	28,5	23,6	26,2	16,3	26,7	22,0	18,3	17,1	14,7	13,8	11,9	9,2	7,2	6,0	5,5	4,3	3,1	2,3	2,5	2,7	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		27,3	26,4	10,4	25,2	20,9	23,0	14,4	24,0	19,5	15,9	15,3	13,3	12,7	11,1	8,3	6,7	5,0	4,3	3,7	2,2	1,5	1,9	2,2	W18/0003-0

Saturated Hydrocarbon Ratios (Peak Areas)

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	% Lithology	Prist/ nC17	Prist/ Phyt	(Prist./nC17)/ (Phyt./nC18)	CPI 1	Phyt/ nC18
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	0,8	1,34	1,24	1,06	0,64
NOCS 6507/5-5 SKARV	3667,9	3667,9	ccp	sandstone/sand	100	0,8	1,35	1,26	1,06	0,64
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	0,79	1,32	1,23	1,06	0,64
NOCS 6507/5-5 SKARV	3694,42	3694,42	ccp	sandstone/sand	100	0,79	1,33	1,24	1,05	0,64
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	0,58	1,54	1,39	1,14	0,42
NOCS 6507/5-5 SKARV	3696,37	3696,37	ccp	sandstone/sand	100	0,79	1,34	1,25	1,06	0,63
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	0,71	1,31	1,19	1,04	0,6
NOCS 6507/5-5 SKARV	3705,85	3705,85	ccp	sandstone/sand	100	0,79	1,35	1,27	1,09	0,63
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	0,8	1,32	1,24	1,03	0,65
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	0,65	1,12	1,18	1,27	0,55
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	0,59	5,59	1,41	1,07	0,42
NOCS 6507/5-5 SKARV	3765	3765	cut	sandstone/sand	90	0,58	4,51	1,29	1,07	0,45
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	0,58	3,78	1,81	1,13	0,32
NOCS 6507/5-5 SKARV	3846	3849	cut	sandstone/sand	80	0,54	3,39	1,71	1,21	0,31
NOCS 6507/5-5 SKARV	3867	3870	cut	sandstone/sand	90	0,51	3,95	2,22	1,21	0,23
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	0,55	3,67	1,85	1,1	0,3
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		0,83	1,44	1,32	1,03	0,63
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		0,83	1,45	1,33	1,05	0,62
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		0,83	1,45	1,33	1,06	0,63

Aromatic Hydrocarbons Peak Areas

Well name	Upper depth (m)	Lower depth (m)	Sample type	Desc	%Lithology	1.4.6+2.3.6																Sample number					
						2MN	1MN	BPh	2EN	1EN	2.6-2.7DMN	1.6DMN	1.5DMN	1.3.7TMN	1.3.6TMN	1.3.5TMN	TMN	P	3MP	2MP	9MP		1MP	DBT	4MDBT	BT	1MDBT
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	493142	373222	110344	124317	152917	407661	479566	142145	239569	253703	265160	224142	110827	79455	72278	79395	61063	36648	215367	83900	59757	W18/0070-1
NOCS 6507/5-5 SKARV	3667,9	3667,9	ccp	sandstone/sand	100	591927	444117	125439	136785	177652	449792	525363	145636	243123	257431	263665	221244	100668	71639	63365	68951	53635	30602	172925	79304	49432	W18/0071-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	567836	442178	132493	144377	177652	475025	556739	156539	282302	297337	313127	238624	143215	107348	97211	110172	85687	40728	311000	136227	70396	W18/0072-1
NOCS 6507/5-5 SKARV	3694,42	3694,42	ccp	sandstone/sand	100	456486	352878	114172	130556	166598	440004	522135	153244	269069	289754	306206	238467	144237	109225	97085	109527	84269	40586	299365	114785	40549	W18/0073-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	422136	383520	168829	151873	177936	586177	769423	214855	404201	420002	426923	298347	334761	229728	213449	268073	212629	122773	1508835	495424	220293	W18/0078-1
NOCS 6507/5-5 SKARV	3696,37	3696,37	ccp	sandstone/sand	100	422192	332891	110393	126881	160743	428312	503901	148791	267001	285753	302246	237409	146097	118338	103523	113905	84300	43272	353870	123929	72047	W18/0074-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	331692	300099	119646	112288	135038	408034	555612	155540	280653	299077	313900	233444	208189	146297	135139	169590	125055	75530	622660	226861	119832	W18/0079-1
NOCS 6507/5-5 SKARV	3705,85	3705,85	ccp	sandstone/sand	100	529369	401687	120024	138185	171187	454947	537839	155571	265559	296050	295809	244467	136463	95988	91424	101415	76164	40708	289588	117165	44321	W18/0075-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	236227	199654	85488	101415	128733	347286	432224	127974	255615	274596	286045	223468	152130	113632	98593	112708	84600	41830	324938	149940	85876	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	61286	60949	39210	35347	41515	121517	155816	56783	73991	113889	109320	93834	235090	86665	110844	110100	83731	49122	172429	65241	41820	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	W18/0062-1
NOCS 6507/5-5 SKARV	3765	3765	cut	sandstone/sand	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	W18/0063-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	W18/0065-1
NOCS 6507/5-5 SKARV	3846	3849	cut	sandstone/sand	80	0	0	0	0	0	39722	47605	18205	49407	76871	69844	73328	245425	96103	129593	143362	121587	0	0	0	0	W18/0066-1
NOCS 6507/5-5 SKARV	3867	3870	cut	sandstone/sand	90	25118	25210	0	33142	31666	84131	97065	32990	58579	76000	67065	70850	188973	66288	103599	101313	85235	0	0	0	0	W18/0067-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	7353	9333	0	0	0	23150	19504	6936	24216	35372	35464	30586	117384	52716	81182	74753	86477	0	0	0	0	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		861509	615222	142051	151534	185950	482289	548781	139459	223499	236536	242721	201854	87846	70200	67298	70459	53908	35655	148220	0	0	W18/0001-0
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		824159	589975	141376	154767	187688	491152	612701	148514	253474	263990	274944	225770	117847	96352	88076	96602	74149	39452	258618	138950	73888	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		739822	528063	122408	131612	162864	408756	468339	123534	177963	191553	189421	162564	59602	43732	42138	43711	33331	0	84940	0	0	W18/0003-0

Aromatic Hydrocarbons Ratios (Peak Areas)

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/Ph	4/1MDBT	(3+2)/1MDBT	F1	F2	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	1,32	2,87	0,23	1,18	0,91	0,86	0,94	0,32	3,60	1,40	0,52	0,25	W18/0070-1
NOCS 6507/5-5 SKARV	3667,9	3667,9	ccp	sandstone/sand	100	1,33	3,09	0,24	1,18	0,91	0,85	0,94	0,30	3,50	1,60	0,52	0,25	W18/0071-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	1,28	3,03	0,24	1,14	0,91	0,86	0,94	0,28	4,42	1,94	0,51	0,24	W18/0072-1
NOCS 6507/5-5 SKARV	3694,42	3694,42	ccp	sandstone/sand	100	1,29	2,87	0,22	1,15	0,92	0,86	0,95	0,28	7,38	2,83	0,52	0,24	W18/0073-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	1,10	2,73	0,22	1,00	0,82	0,79	0,89	0,37	6,85	2,25	0,48	0,23	W18/0078-1
NOCS 6507/5-5 SKARV	3696,37	3696,37	ccp	sandstone/sand	100	1,27	2,88	0,22	1,23	0,97	0,90	0,98	0,30	4,91	1,72	0,53	0,25	W18/0074-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	1,11	2,62	0,22	1,08	0,86	0,82	0,91	0,36	5,20	1,89	0,50	0,24	W18/0079-1
NOCS 6507/5-5 SKARV	3705,85	3705,85	ccp	sandstone/sand	100	1,32	2,92	0,22	1,20	0,90	0,87	0,94	0,30	6,53	2,64	0,51	0,25	W18/0075-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	1,18	2,71	0,20	1,16	0,91	0,85	0,95	0,27	3,78	1,75	0,52	0,24	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	1,01	2,14	0,25	1,32	0,70	0,78	0,82	0,21	4,12	1,56	0,51	0,28	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	-	-	-	-	-	-	-	-	-	-	-	-	W18/0062-1
NOCS 6507/5-5 SKARV	3765	3765	cut	sandstone/sand	90	-	-	-	-	-	-	-	-	-	-	-	-	W18/0063-1
NOCS 6507/5-5 SKARV	3831	3831	cut	sandstone/sand	75	-	-	-	-	-	-	-	-	-	-	-	-	W18/0065-1
NOCS 6507/5-5 SKARV	3846	3849	cut	sandstone/sand	80	-	2,18	-	1,07	0,66	0,76	0,80	-	-	-	0,46	0,26	W18/0066-1
NOCS 6507/5-5 SKARV	3867	3870	cut	sandstone/sand	90	1,00	2,55	-	1,22	0,68	0,83	0,81	-	-	-	0,48	0,29	W18/0067-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	0,79	3,34	-	1,22	0,78	0,94	0,87	-	-	-	0,49	0,30	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		1,4	3,46	0,26	1,25	0,97	0,95	0,98	0,41	0	0	0,53	0,26	W18/0001-0
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		1,4	3,31	0,23	1,19	0,96	0,92	0,98	0,33	3,5	1,88	0,52	0,25	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1,4	3,31	0,26	1,26	0,94	0,93	0,97	0	0	0	0,53	0,26	W18/0003-0

Trterpanes peak heights, SIR TRITPHS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	25nor30																			
						19/3	20/3	21/3	22/3	23/3 (P)	24/3 (O)	25/3 (R)	24/4 (S)	26/3R (T)	26/3S (T)	28/3R	28/3S	29/3R	29/3S	27Ts (A)	27Tm (B)	28ab (Z)	ab (Z1)	29ab (C)	29Ts (C1)
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	65945,6	42270,1	51548,2	15381	87154,5	69037,3	33511,9	73648,1	21986,7	21825,9	24081,4	22861,7	50475,8	45067,6	182266	135094,5	153355,1	50801,4	464567,3	177544,7
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	57989,1	39836,2	45103,8	14638,4	75567,1	60170,2	28148,4	61951,1	16921,6	17480,8	17193,7	16417,9	34074,1	26156,6	122756	90944,5	105639,3	29453,7	299124,7	114526
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	157782,5	120205,9	133911,6	40221,4	224071,7	153730,6	80379,7	244719	63423,4	60789,8	69857,8	64133,1	159956	123336	914619	601506,2	599245,8	159869	1977295	841908,1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	147504,3	93649,9	116643,1	35372,7	207292,3	151133,9	81031,4	209853	49691,4	50288,6	56134,1	56756,2	133200	112859	576487	475392,9	532983,2	132509	1400668	577181
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	39444,5	25366,7	27094,5	7620,4	37909,3	31958,8	13171,2	29072,3	8037,5	8041,8	7879,3	7604,6	14823,8	12499,3	56700	42938,4	50024,6	13989,2	136764,8	52677,1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	38500,5	47713,7	76482,0	48923,2	238729	121906	65133	189065	42504,8	50417,3	42429,4	43924,7	57123,4	62207	238111	164904,1	64367,5	29600,8	504201,2	138283
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	11681,7	8675,2	10779,1	3378,7	14843,7	7768,9	3492,1	14712	2322,2	2578,8	2023,2	1894,4	2954,8	2536,5	12655,2	17794,6	5206,6	3227,2	42717,4	10891,5
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	47638,4	32309,3	59763,3	10972,2	48882	18446,1	6606,1	35077,6	5093	5820,5	3739	3702,7	3888,9	4014,8	31321,8	40466,9	10197,3	7267,8	120079,4	51136
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	8162,9	4431,0	4914,6	1736,3	10812,3	8724,6	4133,5	15356,8	2564,5	2647,5	2625,4	2346,2	6073	4779,5	25793,3	22276,6	16816,8	6463,9	66999,2	29297,8
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		30087,1	17679,4	19898	5052,2	26049,9	23771,6	9297,2	20990,1	5768,8	6023,1	6288,4	5817,9	11686,9	10229	45431,8	32797	40474,1	12237,2	114791,7	44384
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		36312,1	23965	24695,5	6648,2	32450,2	28688,7	11053,7	25072,2	6161,9	6404,6	6094,6	5664,2	11166,7	11678,7	49269,4	37002,7	39945,5	10579,6	114505,6	45168,3
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		44012,6	28472,7	30010,1	8092,7	40279,5	34307,1	13446,2	30836,6	7607,8	8102,4	7463,1	6979,3	13171	12641,3	57124	41864,4	49108,5	12922,7	134584,5	54805,8

30d (X)	29ba (D)	300	30ab (E)	30ba (F)	30G	Sample number																		
						31abS (G)	31abr (H)	31ba (I)	32abS (J1)	32abr (J2)	33abS (K1)	33abr (K2)	34abS (L1)	34abr (L2)	35abS (M1)	35abr (M2)								
78308,8	56613,1	0	967675	85889	30311,9	383783,6	277845	33095,7	269002,6	157426,4	186597,9	106787,9	109546,4	66376,8	95973	60098,1	W18/0070-0							
47691,1	36163,1	0	646775	54634,3	19886,6	243247	172691,4	23128,8	170124,4	102562,4	69138	69086,7	39923,2	58979,4	37509,9	W18/0072-0								
298677,3	261820,9	0	3823755	384071,3	172621,4	1460885	1042810	144837,3	955885,7	624039,9	662151,2	392941,8	236148	320110	212180,1	W18/0078-1								
246153,1	188291,3	0	3032163	282935,7	112040,2	1267714	885419	125810,3	849107,2	532844,5	586685,7	351880,5	360435,6	218985,4	321792	205209,8	W18/0079-1							
21957,7	15488,5	0	298134	25140	9156,2	113713,4	78432,5	10434,8	77417,3	47398,5	52430,6	30340,9	31096,2	18726,6	26132,6	16419,2	W18/0076-0							
37782	37696,4	0	512467	44847,4	0	181611,4	122449,4	15978,1	101869,8	62764,2	62164,9	35290,1	33751,1	19627,9	26619,6	16663,3	W18/0077-0							
4712,4	4639,8	0	63094,4	8298,8	1451,1	25154,5	17409,4	3841,2	15417	10154,7	9467,4	5849,6	5808,4	3806,8	4045	2845,9	W18/0062-0							
30176,8	10249,7	0	237105	29883,5	6143,2	107410,6	71734,8	15724,8	66455,5	41485,7	40759,7	25021,9	23472	14696,3	10906,8	6881	W18/0065-0							
13872,8	7723,8	0	152352	14997,7	4379,7	57795,8	39862,2	6686,9	37542,9	23437,1	22647,4	14076,8	13612	8159,8	9218,6	5567,3	W18/0069-0							
18744,4	13194	0	238646	19042,5	7736	88903,9	61365,7	8828,7	59213,8	36361,8	39042,1	21860,3	22944,9	13380,1	18975,3	11711	W18/0001-0							
16591,6	12445,6	0	229349	18721	7941,5	84219,1	56939,3	8037,2	56474,1	33697,5	34450,3	19188,4	18707,3	10359	13738,1	8232,4	W18/0002-0							
21304,9	15606,1	0	271130	22141,3	6890,6	99200,3	67749,2	9600,6	63998,8	36229,3	39276,6	22196,1	21535	12168,6	15174,9	9941,2	W18/0003-0							

Steranes peak heights, SIR STERPHS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	29daS																						
						21a (u)	22a (u)	27dbS (u)	27dbR (r)	27daR (c)	27daS (d)	28dbS (u)	28dbR (r)	28daS (m)	+27aaS (g)	+27bbR (h)	+27bbS (i)	27aar (f)	29dbR (r)	29daR (l)	28aaS (m)	28bbR (n)	28aaR (p)	29aaS (q)	29bbR (t)	29hbS (s)	29aar (t)	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	114996,2	68269,5	224855,7	132207,1	48435,9	50917,1	108205,4	64167,3	61018,7	237660,4	115467,3	66990,3	112949,7	43008,4	37408,1	100836,1	100486,9	25688,4	63229,2	131025,1	96202,7	71343,8	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	98862,2	51639,9	171629	102616	34805	34954,8	73676,4	45149	41908,1	163112,1	79648,3	48760,1	78602,7	20883,6	26110,7	65649,9	69386,9	17078,2	41730,6	87643,3	67051	48744,8	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	286253,9	156234	479746,4	278560,6	110324,9	101029,4	219096,4	138241,9	171719,3	565561,9	283188	212851,1	259083,9	100099,7	110302,7	263411,4	271365,2	83415	200737,5	379404,2	280754,8	281007,8	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	277739,8	156620	519707,8	313298,4	123923,4	118947,8	249814,6	151650,3	173533,9	565745	297932,1	198888,8	278129,3	104897,2	104873	246154,2	266869,1	81533,4	183240,3	382909,4	283873,8	231432,8	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	68727	26889,8	74723,2	46697,8	15652,1	16577,3	35449,4	20052,3	20156,9	80242,9	37799	21318,7	36611,4	12846,8	11880,1	31261,2	32170,9	7991,2	18898,2	40974,4	30173,1	21492,5	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	125722,8	67179,3	243377,7	139769,7	51222	42202,9	91272,3	59076,2	85700,8	207755,3	126297,2	132945,4	103999,3	36597,5	38110,9	71991,8	65430,2	28795,9	52486,2	105311	81413,4	66236,6	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	14982,6	6655,5	14060,6	9422,7	3261,7	3530,8	5768,9	3300,5	5718,8	12075,8	6777,1	11921,8	5704,8	2151,7	1900,2	4334,9	4509	2283,6	3808,5	6622,4	5059	5452,5	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	53491,6	18328,1	42110,9	27971,2	10366,9	10667,5	14947,7	9367,2	10318,3	37604,5	16264,5	15431,8	18864,4	6895,6	6005,6	11174	11412,5	3905,3	16399,8	16796,8	13721,6	13988	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	10203,7	6912,3	24394,5	15934,5	5296,1	5522,3	10463,8	6478,7	6229,2	23514,2	11957,9	10181,7	12134,9	4436,6	3679	9481,8	10053,2	3076,4	6711,1	13343,4	9945,8	8616	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		43323,8	18805,6	56675	35513,5	12642,2	13948,2	25399	15705,4	15140,8	61119,9	20775,9	16515,9	27542,3	10825,5	8283,3	25456,2	24908,4	6297,1	15018,8	31921,2	24025,1	17241,5	W18/0001-0
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		54836	22989	61565,3	36131,4	12379,2	13654	28953,3	14986,2	14796,1	58077,1	30727,9	15417,5	28687,6	10252,5	8637,1	24671,6	24179,4	9604,5	12784,9	28914,3	23029,2	14631,9	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		66002,3	27190,3	72237,9	45095,3	15818,5	15397,8	31765	17839,5	17290,4	68682,9	36336,9	17878,6	34068,1	11384,8	11016,5	28422,2	26361,5	7366,8	15402,5	35189,1	26272	17812,1	W18/0003-0

Triterpanes m/z 177 peak height, SIR: TR177PHS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	25nor28ab	25nor30ab	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	138411,3	24575,2	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	94389,8	16937	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	479472,6	58914,1	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	419558,3	55783,1	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	44648,2	8046,7	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	67489,9	13353	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	11100,4	2099,6	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	3594,6	2803,8	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	13692	3216,8	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		38601,8	7124,8	W18/001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		36029,3	6557,4	W18/002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		43780,6	7048,1	W18/003

Triterpanes Quant ng/g (ppb) m/z 191

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	19/3	20/3	21/3	22/3	23/3 (P)	24/3 (O)	25/3 (R)	24/4 (S)	26/3 (T)	26/3S (T)	28/3R	28/3S	29/3R	29/3S	27Ts (A)	27Tm (B)	28ab (Z)	25nor30ab (Z1)	29ab (C)	29Ts (C1)
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	17343,7	11117,1	13657,2	4045,2	22921,7	18156,9	8813,7	19369,5	5783	5740,2	6333,4	6012,6	13275,2	11852,8	47936,1	36529,9	42962,5	13360,8	122179	46694,4
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	20707,4	14225,2	16106,2	5227,2	26984,4	21486,3	10061,5	22122,2	6042,6	6242,2	6139,7	5862,7	12167,6	9340,3	43835	32475,5	37722,9	10517,6	106815	40896,2
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	6497,7	4950,3	5514,7	1656,4	9227,6	6330,9	3310,2	10077,9	2611,9	2503,4	2876,9	2641,1	6587,2	5079,2	37665,4	24771	24677,9	6583,6	81428,1	34671,1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	7430,0	4717,3	5875,5	1781,8	10441,6	7612,8	4081,7	10570,6	2503	2533,1	2827,6	2858,9	6709,5	5684,9	29038,5	23946,2	26847,1	6674,6	70563,7	29073,4
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	32045,6	20608,5	22012,2	6191,0	30798,4	25964,1	10700,6	23619	6529,9	6633,3	6401,3	6178,2	12043,2	10154,7	46064,3	34884,1	40641,1	11365,1	112736	42796,1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	1531,0	1897,4	3120,9	1945,5	9493,3	4847,7	2590,1	7518,3	1690,2	2004,9	1687,2	1746,7	2271,6	2473,7	9468,7	6557,6	2559,6	1177,1	20050,1	5499
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	3828,4	2843,1	3532,6	1107,3	4864,6	2546,0	1144,4	4821,5	761,1	845,1	663,1	620,8	968,4	830,9	4147,4	5831,7	1706	1057,6	13999,5	3569,4
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	18179,3	12329,6	22806,3	4187,1	18653,9	7039,2	2520,9	13386	1943,5	2221,2	1426,8	1413,0	1484,0	1532,1	11952,7	15442,6	3891,4	2773,5	45823,5	19514
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	4591,8	2492,5	2764,6	976,7	6082,1	4907,8	2325,2	8638,5	1436,9	1489,3	1476,8	1319,8	3416,2	2688,6	14509,3	12531,1	9459,8	3636,1	37688,6	16480,7
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		46045	27056	30452	7732	39866	36379,7	14228	32122,9	8825,422	9217,66	9624	8904	17885	15654	69528,1	50191,9	61940,9	18727,6	175675	67924,5
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		60811	40133	41357	11133	54343	48043,9	18511	41987,5	10319,11	10725,5	10206	9486	18700	19557,9	82509,7	61967,1	66895,3	17717,3	191759	75641,8
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		60556	39175	41290	11135	55420	47202,4	18500	42430,2	10467,41	11147,9	10268	9603	18122	17392,9	78595,7	57600,3	67567,3	17780,1	185172	75406,1

30d (X)	29ba (D)	300	30ab (E)	30ba (F)	30G	31abS (G)	31abR (H)	31ba (I)	31J (J1)	32abS (J2)	32abR (K1)	33abS (K2)	33abR (L1)	34abS (L2)	34abR (M1)	35abS (M2)	35abR	Sample number
20595,3	14889,3	0	254499	22588,9	7972,1	100936	73073,4	8704,2	70747,9	41403	49075,4	27822,3	28810,8	17457	25240,9	15806		W18/0070-1
17030,1	12913,5	0	230957,7	19509,4	7101,3	86861,4	61666,6	8259,1	60750	36624,1	40581,7	24688,6	24670,3	14256	21061	13395		W18/0072-1
12300	10782,2	0	157468,2	15816,7	7108,8	60161,5	42944,5	5964,6	39364,9	25698,9	27268,4	16182	15767,6	9724,9	13182,6	8737,9		W18/0078-1
12399,1	9484,5	0	152734,5	14251,9	5643,6	63362,9	44699,8	6337,2	42770,8	26840,2	29562,2	17724,7	18155,7	11031	16209,1	10337		W18/0079-1
17839	12583,2	0	242210,9	20424,3	7438,7	92383,3	63720,3	8477,4	62895,5	38507,6	42595,8	24649,6	25263,3	15214	21230,7	13339		W18/0076-1
1502,4	1499	0	20378,8	1783,4	0	7222	4869,3	635,4	4051	2495,9	2472	1403,3	1342,1	780,5	1058,6	662,6		W18/0077-1
1544,4	1520,6	0	20677,5	2719,7	475,6	8243,7	5705,5	1258,9	5052,5	3328	3102,7	1917,1	1903,6	1247,6	1325,6	932,7		W18/0062-1
11515,8	3911,4	0	90481,6	11403,8	2344,3	40989	27374,8	6000,8	25360,1	15831,4	15554,3	9548,6	8957,1	5608,3	4162,1	2625,8		W18/0065-1
7803,8	4344,8	0	85701,3	8436,6	2463,7	32511,4	22434,6	3761,5	21118,7	13183,9	12739,7	7918,5	7657,1	4590	5185,6	3131,7		W18/0069-1
28686,1	20191,9	0	365219,9	29142,3	11839	136057	93913,1	13511	90619,8	55647,5	59749,3	33148,6	35114,5	20477	29039,4	17922		W18/0001-0
27785,3	20842,2	0	384082,8	31351,4	13299	141039	95354,3	13460	94575,2	56432,1	57692,7	32134,1	31328,5	17348	23006,8	13787		W18/0002-0
29313	21472	0	373041,7	30463,7	12243	136488	93214,6	13209	88054,5	52598,9	54039,9	30539,1	29629,5	16743	20878,8	13678		W18/0003-0

Steranes Quant ng/g (ppb) m/z 217

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	21a	22a	27dbS	27dbR	27daR	27daS	28dbS	28dbR	28daR	28daS	29dbS	28daS	27aaR	29dbR	29daR	28aaS	29daS	28bbS	28aaR	29aaS	29bbR	29bbS	29aaR	Sample number
						(u)	(v)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	30243,8	15324,9	59139,8	34770,6	12738,7	13391,2	27884,7	16876	16047,9	62502,2	30365,3	17615,9	29705,8	11311,2	9638,3	26520	26428,1	6729,8	16629,3	34459,7	25301,4	18763,5	W18/0070-1	
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	35302,8	18440,2	61287,2	36643,3	12428,6	12462,1	26309,2	16122,3	14965	58245,9	28441,7	17411,8	28068,4	10028,4	9323,9	23412,7	24777,5	8098,5	14901,6	31296,7	23943,3	17406,3	W18/0072-1	
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	11870,7	6433,9	19756,7	11471,6	4543,4	4123,5	9022,7	5693	7071,7	22878,5	11661,3	8765,5	10669,5	4122,3	4542,4	10847,7	11175,2	3435,2	8266,7	15624,5	11561,9	10375,5	W18/0078-1	
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	13990,2	7838,8	26178,4	15781,3	6242,2	5991,6	12382	7638,8	8741,2	28497,4	15007,3	10008,2	14009,8	5283,8	5282,6	12399,1	13542,8	4107	9230,1	19282,7	14299,1	11657,6	W18/0079-1	
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	47711,1	23470,7	60706,8	37938,4	12634,8	13467,8	28799,9	16290,9	16375,9	65191,1	30708,8	17319,8	28931,5	10437	9651,6	25397,3	26136,3	6492,3	15353,3	33288,5	24513,3	17461	W18/0076-1	
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	4999,5	2671,5	9916,7	5568,1	2036,9	1678,2	3629,5	2349,2	3408	8261,6	5022,3	5286,7	4133,2	1534,9	1515,5	2862,8	3397,2	1145,1	2087,2	4187,8	3237,5	2634	W18/0077-1	
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	4910,2	2181,2	4608	3088	1068,9	1157,1	1890,6	1081,7	1874,2	3957,5	2221	3907,1	1869,6	705,2	652,2	1420,6	1477,7	748,4	1248,1	2170,3	1671,1	1786,9	W18/0062-1	
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	20412,9	6994,2	16069,9	10674,1	3956,1	4070,8	5704,2	3574,6	3937,6	14350,2	6206,7	5888,9	7198,5	2620,1	1910,6	4264,1	4355,1	1490,3	4823,5	6409,8	5236,3	5341,8	W18/0065-1	
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	5739,8	3888,3	13553,7	8907,2	2979,2	3162,6	5880,5	3644,4	3504,1	13227,3	6726,5	5727,4	6826,1	2495,7	2182	5333,7	5655,2	1730,5	3775,1	7505,9	5594,7	4846,7	W18/0069-1	
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		66302,1	28779,7	87040,5	54349,3	19347,4	21346	38870,3	24035,3	23171,3	93536,1	42805,5	25275,7	42150,3	16667,1	14207	38956,3	38119,4	9637	22984,5	48851,6	36767,6	26386,1	W18/0001-0	
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		91831,9	38497,1	103106,3	60607,9	20730,9	22614,7	44970,3	25095,2	24778,5	97259,6	51459	25819,1	48042,1	17236,5	14464	41316,7	40492,4	9385,7	21410,5	48421,8	36891,4	24838,4	W18/0002-0	
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		90811,1	37410,6	99390,6	62045,7	21764,4	22861,4	43732,2	24545	23775,7	94361,6	49995,1	24599	46873,5	15677,9	13905	39105,5	39022,1	10136	21191,9	48415,9	36147,1	24507,2	W18/0003-0	

Triterpanes Quant ng/g (ppb) m/z 177

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	Sample		Sample number
						25nor28ab	25nor30ab	
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	36402,3	6463,3	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	33705,8	6048,1	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	19745,431	2426,1747	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	21133,763	2809,8761	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	36273,236	6537,3262	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	2683,8014	530,99502	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	3637,868	688,08941	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	1371,7359	1069,9586	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	7702,052	1809,521	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		59075,599	10903,664	W18/001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		60336,942	10981,436	W18/002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		60236,801	9697,3316	W18/003

Steranes Quant ng/g (ppb) m/z 218

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	27bbR	27bbS	28bbR	28bbS	29bbR	29bbS	30bbR	30bbS	Sample number
						(h)	(i)	(n)	(o)	(r)	(s)	(x)	(y)	
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	69099,3	47684,1	47326,8	44978,9	55364,7	49668,2	15545,8	14092,0	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	66650,6	43271,2	42872,9	40365,5	51750,3	47860,6	14435,7	12599,2	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	27414,64	19405,12	20341,61	18534,45	25000,14	22920,34	6634,42	5785,627	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	33627,96	23208,99	23797,59	23877,96	29969,41	27683,55	8063,916	7512,263	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	75503,69	47978,06	46666,9	44455,39	53594,67	48178,16	14672,93	13426,03	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	10292,8	7861,466	5210,913	5679,893	7034,58	6436,389	1121,337	1024,296	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	4972,655	3671,001	2770,317	2824,129	3615,55	3266,065	636,4073	577,9086	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	13646,15	8307,539	7128,936	6808,269	11297,57	10534,08	2167,66	2029,288	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	14862,85	10214,22	9519,73	9448,57	12049,78	11302,08	3033,85	2828,136	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		94050,4	56715,75	64012,01	56078,34	71148,5	65988,41	19275,96	16712,41	W18/001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		109543,1	76860,44	71667,81	67856,68	79244,73	75080,84	19363,72	18752,04	W18/002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		103552,8	71413,2	69704,5	64789,58	78926,19	73242,57	18626,84	18169,58	W18/003

Amount of standard and weight of sample for NOCS 6507/5-5 Skarv 4

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	Standard			
						(peak height)	Amount (µg)	Weight (mg)	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	78075,4	2,000	97,4	W18/0070-0
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	86699,8	2,000	64,6	W18/0072-0
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	1274683,0	2,000	38,1	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	822050,2	2,000	48,3	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	37873,4	2,000	65	W18/0076-0
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	1115172,0	2,000	45,1	W18/0077-0
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	271230,9	2,000	22,5	W18/0062-0
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	440416,0	2,000	11,9	W18/0065-0
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	352021,4	2,000	10,1	W18/0069-0
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		18749,8	2,000	69,7	W18/001
NOCS 6507/5-5 SKARV	3668	3668	oil	3668		21714,0	2,000	55	W18/002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		22748,3	2,000	63,9	W18/003

standard is D4 cholestane

Triterpanes peak heights MRM

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	27Ts (A)	27Tm (B)	28ab (Z)	29ab (C)	30d (X)	29ba (D)	30ab (E)	30ba (F)	31abS (G)	31abR (H)	31ba (I)	Sample number
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		43043,5	26662,1	35328	98614,7	15626,1	9681,1	221010,8	12552,8	80257,5	55877,3	6126,1	W18/0003-0

Steranes peak height MRM

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	27dbS (a)	27dbR (b)	27daR (c)	27daS (d)	28dbS (e)	28dbR (f)	28daR (g)	27aaS (g)	29dbS (h)	27bbR (h)	28daS (i)	27bbS (i)	27aaR (j)	29dbR (k)	29daR (l)	28aaS (m)	29daS (n)	28bbR (n)	28bbS (o)	28aaR (p)	29aaS (q)	29bbR (r)	29bbS (s)	29aaR (t)	Sample number
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		90665,1	55805,3	15016,2	18092,9	34781,7	21665	9471,6	14485,2	61314,5	29505,3	21377,7	9779,2	15391,3	33041,8	10804,6	7939,6	23581	15876,8	18528,2	7799,8	11610,7	26142,7	23407,3	14289,3	W18/0003-0

MRM transition m/z 358-217 Saturated Hydrocarbons peak heights

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	24norδS	24norδR	27norδS	27norδR	24norαS	24norβR	24norβS	24norαR	21nor	27norαS	27norβR	27norβS	27norαR	Sample number
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1446,5	1425,2	8080,2	4953,8	2008,9	963,5	1401,5	1272,5	1676	1822,2	2196,4	1796,1	1514,1	W18/0003-0

MRM transition m/z 358-217 Saturated Hydrocarbons Ratios (peak heights)

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	Ratio D	Ratio N	Ratio A	Sample number
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		0,21	0,44	0,32	W18/0003-0

List of C₂₆ sterane ratios

Ratio D: (24nor dβS + 24nor dβR) / (24nor dβS + 24nor dβR + 27nor dβS + 27nor dβR)

Ratio N: (24 ααS + 24 ββR + 24 ββS + 24 ααR) / (24 ααS + 24 ββR + 24 ββS + 24 ααR + 27 ααS + 27 ββR + 27 ββS + 27 ααR)

Ratio A: (24nor dβS + 24nor dβR + 24 ααS + 24 ββR + 24 ββS + 24 ααR) /
(24nor dβS + 24nor dβR + 24 ααS + 24 ββR + 24 ββS + 24 ααR + 27nor dβS + 27nor dβR + 27 ααS + 27 ββR + 27 ββS + 27 ααR)

Aromatic Hydrocarbon peak heights from m/z 142/156 (SIR) from ARO FRACTION

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	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 number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	1555037,0	1345524,0	183931,3	90871,0	960576,4	1707100,0	1588030,0	563923,4	331090,1	231175,1	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	1238747,0	1113284,0	176010,4	85949,8	840080,1	1654925,0	1356276,0	517957,1	286804,5	221669,8	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	835484,2	782753,9	177572,9	97029,7	1019216,0	2041299,0	1557731,0	647736,8	368313,4	319103,6	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	1270971,0	1342517,0	231539,5	119745,0	1270036,0	2385207,0	2244881,0	871430,2	495039,8	369003,7	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	1458815,0	1466893,0	326342,8	151298,5	1778267,0	2901049,0	3037843,0	1133898,0	679589,1	476333,4	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	56134,5	91809,4	39171,2	30849,9	194576,4	463903,9	315961,8	158878,0	102899,1	105824,3	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	144653,0	180123,4	63182,8	42470,8	179488,9	313685,6	260898,4	144262,2	72667,6	83082,0	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	154735,5	210285,7	107062,9	62417,9	305682,2	563564,1	485170,0	247556,0	121343,0	137325,1	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	2001,9	2308,7	586,8	933,2	4708,5	14784,9	10572,5	7617,9	4813,2	5811,1	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		9745290,0	8952762,0	1576128,0	731818,6	6197899,0	7954512,0	8181472,0	3223252,0	2228137,0	1818929,0	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		9538533,0	8649868,0	1254566,0	530153,0	5361737,0	7325923,0	7047997,0	3033215,0	1649380,0	1413336,0	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		8944192,0	7345250,0	921216,5	405439,0	4033887,0	5754186,0	5940484,0	2305082,0	1210946,0	1101441,0	W18/0003

Aromatic Hydrocarbon peaks from m/z 170 peak heights (SIR) from ARO FRACTION

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho	1 3 7 TMN	1 3 5 TMN	1 3 5+1 4 6 TMN	2 3 6 TMN	1 6 7-1 2 7 DMN	1 2 6 TMN	1 2 4 TMN	1 2 5 TMN	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	504677,1	763655,5	749914,6	527572,5	497107,9	345226,9	101638,0	445748,0	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	518323,9	733436,5	657248,3	476736,0	443657,5	317930,0	92504,0	400848,0	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	559027,2	1068527	988787	671530,5	617772,2	467606,6	126382,4	571939,4	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	895746,6	1133899	1217286	825701,1	778079,8	540420,3	170049,4	770751,8	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	1439363	1831910	1969222	1163459	1094763	764365	225310	1087470	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	214234,4	349588,4	356685	232193,2	231203	184907,8	51693	211666,3	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	100804,5	138336,6	130412,2	94829,95	121705,1	82895,29	46222,72	194808,4	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	199166,5	310509,2	264243	197412,8	215614,4	205186,1	62788,2	273771,8	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	24467,1	36882,5	38460,1	30187	33839,1	30882,7	8710,3	36599,8	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		3169225,0	4819459,0	4520960,0	2583535,0	2366290,0	1815232,0	490004,8	2164858,0	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		2364648,0	3638343,0	3225649,0	2408420,0	2047365,0	1652086,0	404191,8	1654046,0	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1812868,0	2894809,0	2609302,0	1957881,0	1985777,0	1221823,0	317588,3	1241720,0	W18/0003

Aromatic Hydrocarbons from m/z 178/192 peak heights (SIR) from ARO FRACTION

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	P	3MP	2MP	9MP	1MP	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	582290,7	283424,2	319837,3	503104	323696,6	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	520958,1	232687,6	260082,7	425557,8	264983	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	1310293	548599,8	628021,4	1021214	712045	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	1458087	568756,8	702458,7	1107016	773250,6	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	1669069,0	718350,9	780394,5	1209625,0	968128,4	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	1224538,0	375725,8	452002,1	594934,9	434458,9	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	1137279	277543,8	264539	361527	282676	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	1507195	414445,1	435523,7	687235,5	557694,1	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	329581,6	122792,9	140937,3	201932,8	149700	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		2742857,0	1194190,0	1294417,0	1822192,0	1372865,0	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		2410826,0	847665,7	995931,4	1467770,0	944908,6	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1886961,0	675928,0	796603,4	1167674,0	768949,9	W18/0003

Aromatic Hydrocarbons from m/z 184/198 peak heights (SIR) from ARO FRACTION

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	DBT	4 MDBT	2+3 MDBT	1 MDBT	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	326705,3	371515,0	143787,2	104041,2	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	286066,1	325433,2	123333,9	93953,6	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	674747,2	692542,2	269680,3	192398,1	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	786587,1	853026	325057,9	265092,1	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	896646,6	1007831,0	392978,5	313852,6	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	370747,4	264655,1	108513,3	84802,2	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	81218,9	32807,5	19565,5	16240,5	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	87529,1	59082,8	29630,2	26794,5	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	25000,9	22000,4	11338,7	7340,9	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		1285345,0	1442144,0	592692,9	406726,6	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		1220029,0	1239988,0	498857,0	349716,5	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		935242,2	986698,3	389857,3	274391,0	W18/0003

Tetraromatic Sterane peak heights from m/z 231 (SIR) of ARO FRACTION TASTPHS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	a1	b1	c1	d1	e1	f1	g1	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	9561,1	9471,7	1660,2	8651,7	5417,1	4323,9	4858,2	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	7575,8	8358,6	1218,7	6677,3	4456,9	3635,4	3887,6	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	13723,3	13369,5	1753,1	8494,6	5486,2	4340,2	4796,5	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	19481,9	23829,3	3248,8	14489	10876,1	7936,5	9277,1	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	33484,1	39964	7791,5	36546	27708,3	20292,8	24102,5	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	3222,7	3385,8	780,5	3148,3	2340	1708,1	1942,8	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	5867,3	4911,9	1342,4	3571,7	2290,3	1770,8	2398,6	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	14611	10070,6	1417,1	3193,2	2923,7	1642,4	2464,9	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	4305,8	3779,3	605,5	2518,9	2010,5	1401,2	1690,3	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		36991,1	37809,9	7609,2	44340	27118,2	21018,2	22829,3	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		27912,9	32064,8	7286,5	34156	24560,8	18993,9	21132,6	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		22689,2	26117,9	5951,1	26568	19732,1	14822,7	17713,4	W18/0003

Monoaromatic Sterane peak heights from m/z 253 (SIR) of ARO FRACTION MASTPHS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	6670,1	3806,3	4530,7	3021,4	5608,1	1182,9	4956,7	2952,2	456,6	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	5746,5	2976,9	3521,9	2496,8	4814,5	928,2	3663,3	2099,1	336,3	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	4591	2837,5	3753,3	2935,2	5307,9	942,7	5901,2	3697,3	972,4	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	8043,7	4681,9	6115,9	4180,3	8968,5	1284,8	8196,8	4800,2	996	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	16491	11659,8	16121,7	11573,3	25420,2	4692	19895,4	10889,3	1691,4	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	2752,7	1768	3385,8	2878,9	7313,9	1178,4	5851,5	3433,1	594,2	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	1773,3	1037,2	3359,9	2432	6836,8	1522,8	7549	4522,1	1381	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	2392,8	1792,5	1223,7	991,3	1997,9	738,5	1935,1	1193,5	314,9	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	858	715,2	1121,5	918,5	1919,4	518,6	1620,4	1032	236,4	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		21580,6	12170,2	18099,1	11064,0	27201,4	4570,3	19425,3	11511,5	1883,1	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		19849,4	10460,4	15285,7	10716,6	19080,5	4520,7	17739,7	10266,5	1808,9	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		15623,1	9135,8	12296,1	8444,4	15015,3	3433,2	13931,2	7966,1	1215,1	W18/0003

Amount of C1 C2 naphthalenes ng/g (ppb) from m/z 142/156

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	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 number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	3124172,0	2703246,6	369530,1	182665,9	192366,4	3428676,7	3190467,2	1132969,4	665181,9	464446,0	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	2797928,5	2514548,2	397590,5	194132,8	1897469,0	3737839,8	3063368,4	1189897,4	647798,5	500890,3	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	650888,1	609808,3	138339,1	75591,5	794025,3	1590284,2	1213568,1	504622,6	268936,4	248596,3	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	628624,6	664011,4	114519,9	59226,1	628162,2	1179727,8	1110322,3	431011,0	244847,6	182509,9	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	768459,9	772715,1	171907,6	79699,5	936737,6	1528185,4	1600244,4	597303,4	357987,1	250916,1	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	13251,9	21673,9	9247,3	7282,9	45934,5	109515,9	74590,5	37507,0	24291,9	24962,4	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	46967,9	58484,9	20515,0	13790,0	58278,9	101851,7	84712,0	46341,0	23594,7	26976,2	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	259640,3	352851,4	179647,5	104734,8	512323,1	945639,1	814096,9	415389,5	203608,9	230426,3	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	1919,3	2213,4	582,6	894,7	4514,2	14174,9	10136,3	7303,6	4614,6	5571,3	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		4098798,2	3765466,6	662908,0	307797,6	2805791,3	3346609,9	3441067,7	1356676,4	937138,2	765026,3	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		4976669,4	4512098,1	654429,0	276547,8	2795884,7	3821478,4	3676601,7	1582239,6	860379,0	737249,5	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		6049543,9	4968074,5	623079,2	274225,0	2728382,4	3891933,5	4017939,1	1559078,2	819042,2	744976,8	W18/0003

Amount of C3-naphthalenes ng/g (ppb) from m/z 170

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	1,3,7-TMN	1,3,6-TMN	1,3,5+1,4,6 TMN	1,6,7+1,2,7 DMN	1,2,6-TMN	1,2,4-TMN	1,2,5-TMN	Sample number	
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	1174654,9	1574436,0	1506628,0	1060531,3	998722,6	693583,6	204197,5	895537,2	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	1170725,9	1656595,9	1484511,1	1076792,3	1001875,4	718078,4	208936,6	905385,9	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	458884,6	832519,2	770319,4	523470,8	481278,5	364291,3	96458,8	445572,2	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	438091,9	560729,6	602071,9	408393,3	384839,7	267292,9	84106,8	381215,3	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	758216,3	964995,1	1037327,0	612875,2	578688,2	402644,5	118686,5	572846,5	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	50575,3	82528,9	84204,2	54814,9	54581,1	43567,6	12203,4	49966,7	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	32730,6	45241,7	42344,0	30790,7	39516,9	30162,5	15008,2	63253,0	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	334193,8	521022,6	443389,7	331251,2	361792,8	344294,5	105356,2	459378,7	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	23457,6	36990,7	36873,3	28941,5	32443,0	29416,8	8350,9	35089,8	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		1341364,9	2027029,4	1901482,9	1086616,0	953185,1	763473,4	206092,5	910523,5	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		1233489,8	1845733,5	1682620,5	1256844,6	1067983,0	830492,2	210841,7	862812,9	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1226026,3	1957809,9	1764842,1	1256606,8	1072565,0	826399,1	214792,3	839866,7	W18/0003

Amount of phenanthrenes ng/g (ppb) from m/z 178/192

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	P	3MP	2MP	9MP	1MP	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	1169960,5	569417,9	642574,3	1010769,2	650327,8	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	1176675,7	525566,0	587442,6	961197,3	598510,8	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	1020790,3	427389,4	489263,2	795581,9	554722,2	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	721172,6	281308,2	347437,4	547532,2	382451,2	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	879215,4	378405,7	411088,4	637194,1	509980,9	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	289082,2	88699,3	106706,2	140449,0	102564,7	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	369267,1	90116,7	85894,1	117385,5	91783,1	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	2529015,8	695423,1	730792,2	1153155,0	935789,5	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	315983,7	117726,7	135122,5	193601,5	143523,7	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		1153625,7	502267,6	544422,4	766400,7	577417,0	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		1257578,0	442174,5	519515,5	765644,3	492900,0	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		1276275,5	457174,5	536795,1	789774,5	520091,3	W18/0003

Amount of dibenzothiophenes ng/g (ppb) from m/z 184/198

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	DBT	4 MDBT	2+3 MDBT	1 MDBT	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	666372,5	746398,2	288878,0	209025,6	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	646130,7	735048,2	278571,4	212210,8	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	525665,2	539528,5	210095,8	149888,7	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	389047,5	421908,3	160774,2	131115,0	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	472326,5	530895,1	207009,3	165328,1	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	87524,0	62478,3	25617,2	20019,6	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	26371,2	10652,4	6352,8	5273,2	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	146870,5	99138,7	49718,3	44960,2	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	23969,4	21092,7	10870,9	7038,0	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		540606,8	606555,3	249282,3	171066,3	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		636413,2	646824,6	260744,3	182425,3	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		632565,7	667368,8	263686,1	185588,6	W18/0003

Amount of triaromatic steranes ng/g (ppb) from m/z 231 SIR

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	a1	b1	c1	d1	e1	f1	g1	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	19208,9	19029,3	3335,5	17381,8	10883,3	8687,0	9760,4	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	17111,3	18879,4	2752,6	15081,9	10066,7	7985,3	8735,7	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	10691,2	10415,6	1365,8	6617,8	4274,1	3381,3	3736,7	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	9635,8	11786,0	1606,9	7166,1	5379,3	3925,4	4588,5	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	17638,4	21051,8	4104,3	19251,4	14595,9	10689,6	12696,5	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	760,8	799,3	184,3	743,2	552,4	403,2	458,6	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	1905,1	1594,9	435,9	1159,7	743,6	575,0	778,8	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	24516,7	16898,1	2377,8	5358,1	4905,9	2755,9	4136,0	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	4126,2	3623,4	580,5	2415,0	1927,6	1343,4	1620,6	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		15558,2	15902,6	3200,4	18648,9	11405,7	8840,1	9601,8	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		14560,4	16726,2	3800,9	17816,8	12811,8	9907,9	11023,6	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		15346,2	17665,2	4025,1	17969,6	13346,1	10025,6	11980,7	W18/0003

Amount of monoaromatic steranes ng/g (ppb) from m/z 253 SIR

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	13400,7	7647,1	9102,5	6070,2	11267,0	2376,5	9958,3	5931,2	917,3	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	12984,0	6723,9	7954,8	5639,5	10874,4	2089,7	8771,1	4741,2	757,3	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	3576,6	2210,6	2924,0	2286,7	4135,1	734,4	4597,4	3036,2	757,6	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	3978,4	2315,7	3024,9	2067,6	4435,8	635,5	4054,2	2374,2	492,6	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	6687,0	6142,0	8492,4	6096,5	13390,6	2471,6	10480,3	5736,2	891,0	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	649,8	417,4	799,3	679,6	1726,6	278,2	1381,4	810,5	140,3	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	575,8	336,8	1090,9	789,7	2219,9	494,4	2451,1	1468,3	448,4	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	4015,0	3007,7	2053,3	1663,4	3352,4	1239,2	3247,0	2002,6	528,4	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	822,6	685,7	1075,2	880,6	1840,2	497,2	1553,5	989,4	226,6	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		9076,6	5118,7	6771,2	4653,4	11440,7	1922,2	8170,1	4841,7	792,0	W18/0001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		10354,2	5456,5	7973,6	5590,2	9953,1	2358,2	9253,7	5355,4	943,6	W18/0002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		10702,2	6179,1	8316,7	5711,5	10155,8	2322,1	9422,6	5388,0	821,9	W18/0003

Amount of standard and weight of sample for Well NOCS 6507/5-5 SKARV 4 OILS

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	Standard (peak height)	Amount (µg)	Weight (mg)	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100	12060,32	2,360	97,4	W18/0070-1
NOCS 6507/5-5 SKARV	3680,33	3680,33	ccp	sandstone/sand	100	16174,30	2,360	64,6	W18/0072-1
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100	79509,48	2,360	38,1	W18/0078-1
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100	98789,12	2,360	48,3	W18/0079-1
NOCS 6507/5-5 SKARV	3709,45	3709,45	ccp	sandstone/sand	100	68925,14	2,360	65,0	W18/0076-1
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100	221659,50	2,360	45,1	W18/0077-1
NOCS 6507/5-5 SKARV	3750	3750	cut	sandstone/sand	70	323039,70	2,360	22,5	W18/0062-1
NOCS 6507/5-5 SKARV	3831	3834	cut	sandstone/sand	75	118190,60	2,360	11,9	W18/0065-1
NOCS 6507/5-5 SKARV	3888	3891	cut	sandstone/sand	90	243718,70	2,360	10,1	W18/0069-1
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		80504,00	2,360	69,7	W18/001
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		82258,40	2,360	55,0	W18/002
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		54604,65	2,360	63,9	W18/003

standard is D12 Chrysene

Carbon Isotopes SIRA

Well name	Upper depth (m)	Lower depth (m)	Sample type	Description	%litho.	Wh. oil	EOM/Top.oil	Sat.	Aro.	NSO	Asph.	Kerogen	CV	Sample number
NOCS 6507/5-5 SKARV	3655,1	3655,1	ccp	sandstone/sand	100		-28,03	-28,98	-27,81	-26,86	-26,97	0	-0,07	W18/0070-0
NOCS 6507/5-5 SKARV	3695	3695	ccp	sandstone/sand	100		-27,36	-29,7	-27,22	-27,26	-27,28	0	3,06	W18/0078-0
NOCS 6507/5-5 SKARV	3703	3703	ccp	sandstone/sand	100		-27,67	-28,67	-27,28	-27,24	-27,4	0	0,32	W18/0079-0
NOCS 6507/5-5 SKARV	3717,6	3717,6	ccp	sandstone/sand	100		-26,47	-27,36	-26,94	-26,48	-25,6	0	-2,24	W18/0077-0
NOCS 6507/5-5 SKARV	3653,3	3653,3	oil	3653,3		-28,36		-28,98	-27,77	-27,52	-27,49	0	0,02	W18/0001-0
NOCS 6507/5-5 SKARV	3668,0	3668,0	oil	3668,0		-28,25		-28,87	-27,7	-27,42	-27,71	0	-0,1	W18/0002-0
NOCS 6507/5-5 SKARV	3648	3703	oil	A-D DST 1		-28,21		-28,94	-27,7	-27,66	-27,53	0	0,07	W18/0003-0

in Discussion

Triterpanes

27Ts/(27Ts+27Tm)
30d/29β_α
29αβ/30αβ
30d/30αβ
28αβ/29αβ

Steranes

29_{αα}S/(29_{αα}S+29_{αα}R)
(29_{ββ}R+29_{ββ}S)/(29_{αα}S+29_{ββ}R+29_{ββ}S+29_{αα}R)

Whole oil GC WHOILGC

Well name	Depth (m)	Description	n-C4	n-C5	2,2-DMC4	CyC5	2,3-DMC4	2-MC5	3-MC5	n-C6	2,2-DMC5	MCyC5	2,4-DMC5	Benzene	3,3-DMC5	CyC6	2-MC6	2,3-DMC5	1,4-DMCyC5	3-MC6	c-1,3-DMCyC5	t-1,3-DMCyC5	3-EC5	t-12-DMCyC5	n-C7
NOCS 6507/5-5 SKARV	3653,3	MDT	258890	450690	9669	33959	60288	296000	182663	617062	nm	357253	26115	367552	nm	670474	278461	nm	45191	242232	66890	61701	nm	170910	734137
NOCS 6507/5-5 SKARV	3668	MDT	325547	319995	11839	42790	82345	373027	230605	783273	nm	451050	32722	471046	4546	641963	349804	nm	62481	303161	108982	102477	nm	213848	920231
NOCS 6507/5-5 SKARV	3648-3703	A-D DST 1	259029	428294	8644	30974	60794	273595	167761	570218	nm	324295	24189	345732	7556	601529	248807	nm	41986	215448	77251	72361	nm	151090	655098

-1,2-DMCyC	MCyC6	ECyC5	Toluene	n-C8	i-C9	m,p-Xylene	p-Xylene	o-Xylene	n-C9	i-C10	n-C10	i-C11	n-C11	n-C12	i-C13	i-C14	n-C13	i-C15	n-C14	i-C16	n-C15	n-C16	i-C18	n-C17	Pristane
nm	1190344	65718	1200412	805468	126479	929555	nm	348872	761134	207472	799180	231044	776169	773274	222535	265145	737718	295212	721346	330815	759364	669880	246697	600472	476060
nm	1483147	82101	1509149	1000651	154653	1154074	nm	430173	934191	251367	966373	277878	921777	918694	267962	318456	858148	369737	842607	409606	894341	755903	281582	655667	516337
nm	1051150	58105	1072242	710403	109223	816310		293155	6668930	179844	695187	197877	669557	672537	192298	229991	635083	262748	633203	295811	671351	599442	227011	544204	430786

n-C18	Phytane	n-C19	n-C20	n-C21	n-C22	n-C23	n-C24	n-C25	n-C26	n-C27	n-C28	n-C29	n-C30
576219	361384	616412	526346	443690	453797	417874	386417	321050	288446	247597	217532	186983	144207
624828	390037	662666	562557	474784	477056	436151	411052	338549	301195	260048	220672	193052	153283
509254	323883	560451	479522	415476	416172	386250	358894	311655	282461	240918	210333	181893	143230

NIGOGA

Quality Control Sheet: TOC (LECO)



Control analysis specification				Raw data			Acceptance criteria and control analysis results		
Date	Project(s)	Analysis ID/info	Reference Sample	TOC			TOC (% wt of rock)		
				% wt of rock	NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating	Geolab Nor Rating	
20.02.2002	62594	12348	SR-1	2,16	2,16 - () - 2,64	2,16	☺	☺	
21.02.2001	62594	12348	SR-1	2,16	2,16 - () - 2,64	2,16	☺	☺	

Quality Control Sheet: ROCK-EVAL 6



Control analysis specification				Raw data			Acceptance criteria and control analysis results												
Date	Project(s)	Analysis ID/info	Reference Sample	TOC			Tmax			S1 (mg/g rock)			S2 (mg/g rock)			Tmax (°C at 25°C/min.)			
				% wt of rock	mg / g rock	mg / g rock	°C (at 25°C / min.)	NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating	NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating	NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating	NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating
20.02.2002	62594	12345	SR-1	2,35	22	23,5	234,5	2,16 - () - 2,64	2,35	☺	0,9 - () - 1,2	0,9	☺	5 - (5,4) - 6,1	5,3999	☺ ☺ ☺	433 - (435) - 440	440	☺ ☺ ☺
21.02.2001	62594	12345	SR-1	2,35	22	23,5	234,5	2,16 - () - 2,64	2,35	☺	0,9 - () - 1,2	0,9	☺	5 - (5,4) - 6,1	5,3999	☺ ☺ ☺	433 - (435) - 440	440	☺ ☺ ☺

Quality Control Sheet: TOPPING OF OIL



Control analysis specification		Int.Key	Raw data				Acceptance criteria and control analysis results			Comments
Date	Project(s)	Analysis ID/info	Reference Sample	Offset_col	% wt of whole oil	NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating		
22.03.2002	62594	W12, 6-0	SR-1	4	87,5	70 - (77) - 83	87,5	☺	I flg. PBH 07.01.02 er res. OK! Geolab er i overkant av Nigoga-resultatene. Har slo opp i NGS Nso-1, vol.3 1998.	
11.03.2002	62594	W12, 3-0	SR-1	4	87,5	70 - (77) - 83	87,5	☺	I flg. PBH 07.01.02 er res. OK! Geolab er i overkant av Nigoga-resultatene. Har slo opp i NGS Nso-1, vol.3 1998.	

Quality Control Sheet: MPLC



Control analysis specification				Raw data					Acceptance criteria and control analysis results								
Date	Project(s)	Analysis ID/info	Reference Sample	Weight of Maltenes (MLT) injected	Weight of SAT	Weight of ARO	Weight of POL	Control: Weight of non-eluted material	SAT / (SAT+ARO+POL) (% wt of maltenes)			ARO / (SAT+ARO+POL) (% wt of maltenes)			POL / (SAT+ARO+POL) (% wt of maltenes)		
				mg	mg	mg	mg	mg	NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating	NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating	NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating
07.02.2002	62594	W13, 1-0	SR-1	17,5	7	3,6	6,8	0,1	40 - (41) - 43	40	☺ ☺	17 - (20) - 22	21	☺ ☺	36 - (40) - 42	39	☺ ☺
22.03.2002	62594	W12, 6-0	SR-1	26,2	15,9	8,5	2,9	9,8	56 - (57) - 58	56	☺ ☺	26 - (27) - 30	30	☺	13 - (16) - 19	10	☺
11.03.2002	62594	W12, 3-0	SR-1	37,8	18,4	10	3,8	5,6	56 - (57) - 58	49	☺	26 - (27) - 30	26	☺ ☺	13 - (16) - 19	10	☺

Quality Control Sheet: SOLVENT EXTRACTION (EOM)



Control analysis specification				Raw data							Acceptance criteria and control analysis results						Comments
Date	Project(s)	Analysis ID/info	Reference Sample	Weight of rock	Weight of EOM	Weight of FOM to asphaltene precipitation ("try EOM")	Weight of asphaltene (ASP)	Weight of maltene (MLT)	FOM (ASP + MLT) = unrecovered	FOM (rock) (ppg)			ASP / (OIL or EOM) (% of peak area)				
				g	mg	mg	mg	mg	mg	NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating	% of peak area	Geolab Nor Result	Geolab Nor Rating		
07.02.2002	62594	W13-1-0	NSO-1	9,73	44,8	37	7,3	23,7	0	4300 - (4800) - 5600	4694	SS (-)	6 - (16) - 21	20	SS (-)	NSO-1 er en olie og ikke blir skråstrøet.	
22.03.2002	62594	W12-3-0	NSO-1	0	44,8	35,4	9,9	47,2	5,3	-0 -	409/00	SS (-)	1 - (15) - 4	1,7	SS (-)		
11.03.2002	62594	W12-3-0	NSO-1	0	62,7	52,7	2,5	59,7	6,5	-0 -	409/00	SS (-)	1 - (15) - 4	3,01	SS (-)		

Quality Control Sheet: WHOLE OIL GC-FID



Control analysis specification				Raw data				Acceptance criteria and control analysis results						Comments
Date	Project(s)	Analysis ID/info	Reference Sample	n-Hexane peak area	Benzene peak area	n-C17 peak area	Pristane peak area	Pristane/n-C17 (peak area ratio)			Benzene/n-Hexane (peak area ratio)			
				NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating	NIGOGA 4 Limits	Geolab Nor Result	Geolab Nor Rating					
16.03.02	62594	w12	NSO-1	756671	281755	511409	310717	0.55 - (0.6) - 0.64	0.61	SS (-)	0.38 - (0.41) - 0.42	0.37	SS (-)	
07.02.02	62594	12345	NSO-1	497990	281755	351082	218366	0.55 - (0.6) - 0.64	0.62	SS (-)	0.38 - (0.41) - 0.42	0.37	SS (-)	

Quality Control Sheet: SAT GC FID



Control analysis specification				Raw data												Acceptance criteria and control analysis results						Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Date	Project(s)	Analysis ID/info	Reference Sample	n-C15	n-C17	n-C19	n-C21	n-C23	n-C25	n-C27	n-C29	n-C31	n-C33	n-C35	n-C37	n-C39	n-C41	n-C43	n-C45	n-C47	n-C49		n-C51	n-C53	n-C55	n-C57	n-C59	n-C61	n-C63	n-C65	n-C67	n-C69	n-C71	n-C73	n-C75	n-C77	n-C79	n-C81	n-C83	n-C85	n-C87	n-C89	n-C91	n-C93	n-C95	n-C97	n-C99	n-C101	n-C103	n-C105	n-C107	n-C109	n-C111	n-C113	n-C115	n-C117	n-C119	n-C121	n-C123	n-C125	n-C127	n-C129	n-C131	n-C133	n-C135	n-C137	n-C139	n-C141	n-C143	n-C145	n-C147	n-C149	n-C151	n-C153	n-C155	n-C157	n-C159	n-C161	n-C163	n-C165	n-C167	n-C169	n-C171	n-C173	n-C175	n-C177	n-C179	n-C181	n-C183	n-C185	n-C187	n-C189	n-C191	n-C193	n-C195	n-C197	n-C199	n-C201	n-C203	n-C205	n-C207	n-C209	n-C211	n-C213	n-C215	n-C217	n-C219	n-C221	n-C223	n-C225	n-C227	n-C229	n-C231	n-C233	n-C235	n-C237	n-C239	n-C241	n-C243	n-C245	n-C247	n-C249	n-C251	n-C253	n-C255	n-C257	n-C259	n-C261	n-C263	n-C265	n-C267	n-C269	n-C271	n-C273	n-C275	n-C277	n-C279	n-C281	n-C283	n-C285	n-C287	n-C289	n-C291	n-C293	n-C295	n-C297	n-C299	n-C301	n-C303	n-C305	n-C307	n-C309	n-C311	n-C313	n-C315	n-C317	n-C319	n-C321	n-C323	n-C325	n-C327	n-C329	n-C331	n-C333	n-C335	n-C337	n-C339	n-C341	n-C343	n-C345	n-C347	n-C349	n-C351	n-C353	n-C355	n-C357	n-C359	n-C361	n-C363	n-C365	n-C367	n-C369	n-C371	n-C373	n-C375	n-C377	n-C379	n-C381	n-C383	n-C385	n-C387	n-C389	n-C391	n-C393	n-C395	n-C397	n-C399	n-C401	n-C403	n-C405	n-C407	n-C409	n-C411	n-C413	n-C415	n-C417	n-C419	n-C421	n-C423	n-C425	n-C427	n-C429	n-C431	n-C433	n-C435	n-C437	n-C439	n-C441	n-C443	n-C445	n-C447	n-C449	n-C451	n-C453	n-C455	n-C457	n-C459	n-C461	n-C463	n-C465	n-C467	n-C469	n-C471	n-C473	n-C475	n-C477	n-C479	n-C481	n-C483	n-C485	n-C487	n-C489	n-C491	n-C493	n-C495	n-C497	n-C499	n-C501	n-C503	n-C505	n-C507	n-C509	n-C511	n-C513	n-C515	n-C517	n-C519	n-C521	n-C523	n-C525	n-C527	n-C529	n-C531	n-C533	n-C535	n-C537	n-C539	n-C541	n-C543	n-C545	n-C547	n-C549	n-C551	n-C553	n-C555	n-C557	n-C559	n-C561	n-C563	n-C565	n-C567	n-C569	n-C571	n-C573	n-C575	n-C577	n-C579	n-C581	n-C583	n-C585	n-C587	n-C589	n-C591	n-C593	n-C595	n-C597	n-C599	n-C601	n-C603	n-C605	n-C607	n-C609	n-C611	n-C613	n-C615	n-C617	n-C619	n-C621	n-C623	n-C625	n-C627	n-C629	n-C631	n-C633	n-C635	n-C637	n-C639	n-C641	n-C643	n-C645	n-C647	n-C649	n-C651	n-C653	n-C655	n-C657	n-C659	n-C661	n-C663	n-C665	n-C667	n-C669	n-C671	n-C673	n-C675	n-C677	n-C679	n-C681	n-C683	n-C685	n-C687	n-C689	n-C691	n-C693	n-C695	n-C697	n-C699	n-C701	n-C703	n-C705	n-C707	n-C709	n-C711	n-C713	n-C715	n-C717	n-C719	n-C721	n-C723	n-C725	n-C727	n-C729	n-C731	n-C733	n-C735	n-C737	n-C739	n-C741	n-C743	n-C745	n-C747	n-C749	n-C751	n-C753	n-C755	n-C757	n-C759	n-C761	n-C763	n-C765	n-C767	n-C769	n-C771	n-C773	n-C775	n-C777	n-C779	n-C781	n-C783	n-C785	n-C787	n-C789	n-C791	n-C793	n-C795	n-C797	n-C799	n-C801	n-C803	n-C805	n-C807	n-C809	n-C811	n-C813	n-C815	n-C817	n-C819	n-C821	n-C823	n-C825	n-C827	n-C829	n-C831	n-C833	n-C835	n-C837	n-C839	n-C841	n-C843	n-C845	n-C847	n-C849	n-C851	n-C853	n-C855	n-C857	n-C859	n-C861	n-C863	n-C865	n-C867	n-C869	n-C871	n-C873	n-C875	n-C877	n-C879	n-C881	n-C883	n-C885	n-C887	n-C889	n-C891	n-C893	n-C895	n-C897	n-C899	n-C901	n-C903	n-C905	n-C907	n-C909	n-C911	n-C913	n-C915	n-C917	n-C919	n-C921	n-C923	n-C925	n-C927	n-C929	n-C931	n-C933	n-C935	n-C937	n-C939	n-C941	n-C943	n-C945	n-C947	n-C949	n-C951	n-C953	n-C955	n-C957	n-C959	n-C961	n-C963	n-C965	n-C967	n-C969	n-C971	n-C973	n-C975	n-C977	n-C979	n-C981	n-C983	n-C985	n-C987	n-C989	n-C991	n-C993	n-C995	n-C997	n-C999	n-C1001	n-C1003	n-C1005	n-C1007	n-C1009	n-C1011	n-C1013	n-C1015	n-C1017	n-C1019	n-C1021	n-C1023	n-C1025	n-C1027	n-C1029	n-C1031	n-C1033	n-C1035	n-C1037	n-C1039	n-C1041	n-C1043	n-C1045	n-C1047	n-C1049	n-C1051	n-C1053	n-C1055	n-C1057	n-C1059	n-C1061	n-C1063	n-C1065	n-C1067	n-C1069	n-C1071	n-C1073	n-C1075	n-C1077	n-C1079	n-C1081	n-C1083	n-C1085	n-C1087	n-C1089	n-C1091	n-C1093	n-C1095	n-C1097	n-C1099	n-C1101	n-C1103	n-C1105	n-C1107	n-C1109	n-C1111	n-C1113	n-C1115	n-C1117	n-C1119	n-C1121	n-C1123	n-C1125	n-C1127	n-C1129	n-C1131	n-C1133	n-C1135	n-C1137	n-C1139	n-C1141	n-C1143	n-C1145	n-C1147	n-C1149	n-C1151	n-C1153	n-C1155	n-C1157	n-C1159	n-C1161	n-C1163	n-C1165	n-C1167	n-C1169	n-C1171	n-C1173	n-C1175	n-C1177	n-C1179	n-C1181	n-C1183	n-C1185	n-C1187	n-C1189	n-C1191	n-C1193	n-C1195	n-C1197	n-C1199	n-C1201	n-C1203	n-C1205	n-C1207	n-C1209	n-C1211	n-C1213	n-C1215	n-C1217	n-C1219	n-C1221	n-C1223	n-C1225	n-C1227	n-C1229	n-C1231	n-C1233	n-C1235	n-C1237	n-C1239	n-C1241	n-C1243	n-C1245	n-C1247	n-C1249	n-C1251	n-C1253	n-C1255	n-C1257	n-C1259	n-C1261	n-C1263	n-C1265	n-C1267	n-C1269	n-C1271	n-C1273	n-C1275	n-C1277	n-C1279	n-C1281	n-C1283	n-C1285	n-C1287	n-C1289	n-C1291	n-C1293	n-C1295	n-C1297	n-C1299	n-C1301	n-C1303	n-C1305	n-C1307	n-C1309	n-C1311	n-C1313	n-C1315	n-C1317	n-C1319	n-C1321	n-C1323	n-C1325	n-C1327	n-C1329	n-C1331	n-C1333	n-C1335	n-C1337	n-C1339	n-C1341	n-C1343	n-C1345	n-C1347	n-C1349	n-C1351	n-C1353	n-C1355	n-C1357	n-C1359	n-C1361	n-C1363	n-C1365	n-C1367	n-C1369	n-C1371	n-C1373	n-C1375	n-C1377	n-C1379	n-C1381	n-C1383	n-C1385	n-C1387	n-C1389	n-C1391	n-C1393	n-C1395	n-C1397	n-C1399	n-C1401	n-C1403	n-C1405	n-C1407	n-C1409	n-C1411	n-C1413	n-C1415	n-C1417	n-C1419	n-C1421	n-C1423	n-C1425	n-C1427	n-C1429	n-C1431	n-C1433	n-C1435	n-C1437	n-C1439	n-C1441	n-C1443	n-C1445	n-C1447	n-C1449	n-C1451	n-C1453	n-C1455	n-C1457	n-C1459	n-C1461	n-C1463	n-C1465	n-C1467	n-C1469	n-C1471	n-C1473	n-C1475	n-C1477	n-C1479	n-C1481	n-C1483	n-C1485	n-C1487	n-C1489	n-C1491	n-C1493	n-C1495	n-C1497	n-C1499	n-C1501	n-C1503	n-C1505	n-C1507	n-C1509	n-C1511	n-C1513	n-C1515	n-C1517	n-C1519	n-C1521	n-C1523	n-C1525	n-C1527	n-C1529	n-C1531	n-C1533	n-C1535	n-C1537	n-C1539	n-C1541	n-C1543	n-C1545	n-C1547	n-C1549	n-C1551	n-C1553	n-C1555	n-C1557	n-C1559	n-C1561	n-C1563	n-C1565	n-C1567	n-C1569	n-C1571	n-C1573	n-C1575	n-C1577	n-C1579	n-C1581	n-C1583	n-C1585	n-C1587	n-C1589	n-C1591	n-C1593	n-C1595	n-C1597	n-C1599	n-C1601	n-C1603	n-C1605	n-C1607	n-C1609	n-C1611	n-C1613	n-C1615	n-C1617	n-C1619	n-C1621	n-C1623	n-C1625	n-C1627	n-C1629	n-C1631	n-C1633	n-C1635	n-C1637	n-C1639	n-C1641	n-C1643	n-C1645	n-C1647	n-C1649	n-C1651	n-C1653	n-C1655	n-C1657	n-C1659	n-C1661	n-C1663	n-C1665	n-C1667	n-C1669	n-C1671	n-C1673	n-C1675	n-C1677	n-C1679	n-C1681	n-C1683	n-C1685	n-C1687	n-C1689	n-C1691	n-C1693	n-C1695	n-C1697	n-C1699	n-C1701	n-C1703	n-C1705	n-C1707	n-C1709	n-C1711	n-C1713	n-C1715	n-C1717	n-C1719	n-C1721	n-C1723	n-C1725	n-C1727	n-C1729	n-C1731	n-C1733	n-C1735	n-C1737	n-C1739	n-C1741	n-C1743	n-C1745	n-C1747	n-C1749	n-C1751	n-C1753	n-C1755	n-C1757	n-C1759	n-C1761	n-C1763	n-C1765	n-C1767	n-C1769	n-C1771	n-C1773	n-C1775	n-C1777	n-C1779	n-C1781	n-C1783	n-C1785	n-C1787	n-C1789	n-C1791	n-C1793	n-C1795	n-C1797	n-C1799	n-C1801	n-C1803	n-C1805	n-C1807	n-C1809	n-C1811	n-C1813	n-C1815	n-C1817	n-C1819	n-C1821	n-C1823	n-C1825	n-C1827	n-C1829	n-C1831	n-C1833	n-C1835	n-C1837	n-C1839	n-C1841	n-C1843	n-C1845	n-C1847	n-C1849	n-C1851	n-C1853	n-C1855	n-C1857	n-C1859	n-C1861	n-C1863	n-C1865	n-C1867	n-C1869	n-C1871	n-C1873	n-C1875	n-C1877	n-C1879	n-C1881	n-C1883	n-C1885	n-C1887	n-C1889	n-C1891	n-C1893	n-C1895	n-C1897	n-C1899	n-C1901	n-C1903	n-C1905	n-C1907	n-C1909	n-C1911	n-C1913	n-C1915	n-C1917	n-C1919	n-C1921	n-C1923	n-C1925	n-C1927	n-C1929	n-C1931	n-C1933	n-C1935	n-C1937	n-C1939	n-C1941	n-C1943	n-C1945	n-C1947	n-C1949	n-C1951	n-C1953	n-C1955	n-C1957	n-C1959	n-C1961	n-C1963	n-C1965	n-C1967	n-C1969	n-C1971	n-C1973	n-C1975	n-C1977	n-C1979	n-C1981	n-C1983	n-C1985	n-C1987	n-C1989	n-C1991