

REPORT

Title: **Final Well Report, well 25/11-24 Midway**

No. : NH/OD-
Rev. : Rev 1
Page : A-37 of 60
Date : 2008-02-20

Fluid sampling/scanning

Two fluid sampling stations were planned (Table 3.5.2). At 2029.5m MD RKB in the Staffjord formation, 3 x 450ccc MPSR and one 2 ¼ gal oil samples were collected. The sampling was successful. Sampling was also started from a small oil column in the top of Heimdal at 1789.5m MD RKB, but stopped due to whether after about four minutes of scanning. No sample was collected at this depth.

Sampling depth (m MD RKB)	Log run #	Fluid type	Sampling probe	Comments
2029.5	2A	Oil	Large diameter	Scan./Sampl./Minitest
1789.5	2A		Large diameter	Scan

Table 3.5.2: List of sample intervals and observed fluid types on MDT logs

Additional scanning were attempted at two depths (2035.5 and 1722.5m MD RKB), but aborted due to low mobility.

Minitest/Vertical Interference Test

A minitest VIT was performed after the fluid sampling at 2029.5m MDRKB. A large diameter probe was used as the main probe and a Martinou probe was used as the observation probe for VIT testing. Very small pressure drawdown at the depth (2032.3m MD RKB) of the observation probe, however, resulted in a pressure behaviour for which VIT interpretation could not be performed.

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No. : NH/OD-
 Rev. : Rev 1
 Page : A-49 of 60
 Date : 2008-02-20

3.7.4 Formation pressure table, well 25/11-24

Test No.	File No.	Measured depth (m)	True vertical depth (m)	Formation pressure (bar)	Hydrostatic, before (bar)	Hydrostatic, after (bar)	Drawdown mobility mD/cp	Quality	Comment	Date	INCLUDE
2	73	2100.40	2100.30	204.099	253.726	253.715	1185.41	4	Normal Pretest	17-mar-07	X
3	74	2097.00	2096.90	203.767	253.323	253.323	750.15	4	Volumetric Limited draw-down	17-mar-07	X
4	75	2088.20	2088.09	-	252.275	252.241	-	1	Dry Test	17-mar-07	
5	77	2088.00	2087.90	-	252.284	252.229	-	1	Dry Test	17-mar-07	
8	78	2084.75	2084.65	202.708	251.883	251.850	47.54	3	Volumetric Limited draw-down	17-mar-07	X
9	79	2079.01	2078.90	202.051	251.176	251.144	59.34	3	Volumetric Limited draw-down	17-mar-07	X
10	80	2076.01	2075.91	201.652	250.794	250.781	1409.9	4	Volumetric Limited draw-down	17-mar-07	X
11	81	2068.81	2068.71	-	249.952	249.909	-	1	Dry Test	17-mar-07	
12	82	2069.31	2069.21	200.867	249.999	249.990	321.49	4	Volumetric Limited draw-down	17-mar-07	X
13	83	2065.81	2065.70	200.529	249.594	249.577	177.6	4	Volumetric Limited draw-down	17-mar-07	X
15	84	2059.00	2058.88	199.813	248.773	248.760	30.43	3	Volumetric Limited draw-down	17-mar-07	X
16	86	2054.00	2053.90	199.336	248.205	248.183	15.33	3	Volumetric Limited draw-down	17-mar-07	X
17	87	2048.51	2048.41	198.706	247.554	247.532	86	3	Volumetric Limited draw-down	17-mar-07	X
18	88	2042.40	2042.30	196.417	246.798	246.823	2211.76	4	Volumetric Limited draw-down	17-mar-07	X
19	89	2039.59	2039.49	195.970	246.465	246.468	277.77	4	Volumetric Limited draw-down	17-mar-07	X
22	90	2035.70	2035.60	-	246.014	246.007	-	1	Dry Test	17-mar-07	
23	91	2035.52	2035.42	194.881	245.990	245.998	584.28	4	Volumetric Limited draw-down	17-mar-07	X
24	92	2033.01	2032.92	194.563	245.720	245.693	357.29	4	Volumetric Limited draw-down	17-mar-07	X
25	93	2031.30	2031.21	194.444	245.498	245.466	1238.03	4	Volumetric Limited draw-down	17-mar-07	X
26	94	2029.51	2029.41	194.318	245.297	245.299	426.5	4	Volumetric Limited draw-down	17-mar-07	X
27	95	2029.52	2029.43	194.324	245.338	245.437	1884.42	4	Volumetric Limited draw-down	18-mar-07	X
29	97	2035.66	2035.56	-	245.630	245.632	-	1	Dry Test	18-mar-07	
30	98	2035.20	2035.10	-	245.579	245.535	-	1	Dry Test	18-mar-07	
32	101	2035.54	2035.44	194.950	245.621	246.253	4.76	2	Volumetric Limited draw-down	18-mar-07	
35	102	2035.21	2035.11	-	245.589	245.548	-	0	Lost Seal	18-mar-07	
36	103	2035.50	2035.40	-	245.608	245.597	-	1	Dry Test	18-mar-07	
38	106	1923.51	1923.41	180.823	232.403	232.356	14.09	3	Volumetric Limited draw-down	18-mar-07	X
39	107	1911.50	1911.41	179.560	230.970	230.950	35.06	3	Volumetric Limited draw-down	18-mar-07	X
40	108	1905.51	1905.42	178.960	230.281	230.286	49.23	3	Volumetric Limited draw-down	18-mar-07	X
41	109	1880.00	1879.91	176.391	227.203	227.255	568.37	4	Volumetric Limited draw-down	18-mar-07	X
42	110	1844.98	1844.89	172.884	223.106	223.041	1020.36	4	Volumetric Limited draw-down	18-mar-07	X
43	114	1805.00	1804.91	168.863	218.345	218.345	2627.66	4	Volumetric Limited draw-down	18-mar-07	X
44	115	1797.00	1796.91	168.067	217.354	217.341	1849.49	4	Volumetric Limited draw-down	18-mar-07	X
45	116	1794.51	1794.42	167.814	217.107	217.082	1192.5	4	Volumetric Limited draw-down	18-mar-07	X
46	117	1792.50	1792.41	167.612	216.828	216.801	2557.24	4	Volumetric Limited draw-down	18-mar-07	X
48	118	1722.00	1721.91	165.477	208.545	208.532	5.8	2	Volumetric Limited draw-down	18-mar-07	X
49	119	1721.73	1721.63	-	208.539	208.544	-	1	Dry Test	18-mar-07	
50	120	1722.20	1722.11	-	208.621	208.457	-	1	Dry Test	18-mar-07	
52	121	1721.20	1721.11	-	208.344	208.455	-	0	Lost Seal	18-mar-07	
53	122	1722.50	1722.40	165.494	208.494	208.607	7.6	2	Volumetric Limited draw-down	18-mar-07	
54	125	1789.49	1789.40	167.363	216.646	216.623	1295.9	4	Volumetric Limited draw-down	18-mar-07	X
27b	95	2032.30	2032.22	194.567	245.701	245.188	129	4	Volumetric Limited draw-down prior to sampling Pressure test with PS1 (Martineau probe) prior to VIT test	18-mar-07	