Norsk Hydro ASA, Norsk Agip A/S, Enterprise Oil Norge Ltd.

PARTNERS

STATOIL

WELL 6608/11-2

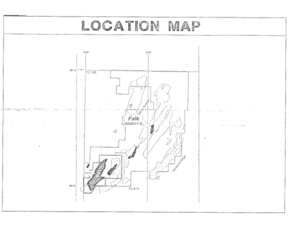
Falk

PROSPECT STRUCTURE

COMPOSITE LOG
1 : 500

AREA:	Nordland II
LICENCE:	PL128
COORDINATES:	66° 07' 29.32" N 08° 20' 57.39" E
RKB:	36 m
WATER DEPTH:	351 m
TOTAL DEPTH:	2215m MD RKB/2215m TVD RKB
FM. AT T.D.:	Triassic "Grey beds"
SPUD DATE:	27.10.2000
RIG RELEASE:	24.11.2000
WELL STATUS:	Permanent plugged
RIG:	West Navion
CONTRACTOR:	Smedvig ASA
GEOLOGIST:	O. Beyer, T. Svånå, T.K. Hals, I. Winsvold, J.M. Østby
PREPARED BY:	Tor-Arild W. Johnsen

LOCATION MAP



CASING DATA		LEAK OFF TESTS
30"	447.5 m MD RKB	
9 7/8"	1249.0 m MD RKB	1.52 sg

VELOCITY SURVEY

Zero offset VSP
2215 - 1245 m: 15 m spacing, 66 levels
1200 - 500 m: 100 m spacing, 8 levels

LOGS RUN — CONTRACTOR: SCHLUMBERGER/BHI (MWD)

MWD MPR LITE	PEX-HALS-HNGS	CMR-ECS-GR	MDT-GR	VSP-GR	FMI-DSI-GR	CST-GR
Run1: 450-1254m Run2: 1254-1742m Run3: 1767-1920m Run4: 1920-2215m	Run 1A: 2215-1249m	Run 1A: 1875-1660m 1570-1550m	Run 1A: 2175-1559.5m Run 1B misrun Run 1B 1773m (sample) Run 1C misrun Run 1C 1747m (sample) Run 1D 1798m,1778m Run 1E misrun Run 1E 1747.0m (sample) Run 1F 1747.4m, 1686.9m	Run 1A: 2215-500m	Run 1A: 2215-500m	2206-1402m 60 cores were attempted, 55 were recovered, 3 misfired, 1 was lost and 1 was empty

COMMENTS:

12 1/4" hole section was drilled from 30" casing depth to 1254 m MD RKB with all returns to seabed.

No shallow gas was dectected.

8 1/2" hole was drilled from 1254 to 2215 m MD RKB (TD).

4 cores were cut in Åre Formation.

MWD memory data from 447.5 to 1249 m MD RKB. Wireline data from 1249 to 2215 m MD RKB (TD).

LITHOLOGICAL SYMBOLS

CONGLOMERATE	SHALE	MARL	COAL LIGNITE	FORAMS	MICA
SAND SANDSTONE	LIMESTONE	TUFF	WOOD FRAGS	BURROWS	KAOLINITE
SILT SILTSTONE	CHALK	SALT GEN'L	FOSSILS GEN'L	PYRITE	CHERT
CLAY CLAYSTONE	DOLOMITE	ANHYDRITE	SHELL FRAGS	GLAUCONITE	SIDERITE

CUTTINGS/FLUORESCENCE — OIL SHOW — OIL/GAS SHOW — GAS SHOW

AZIMUTH & INCLINATION — SIDEWALL CORES: 1.5 SIDEWALL CORE; 2.8 NO RECOVERY; R 1.2 ROTARY SIDEWALL CORE — CORES: CORE NO — DST — RFT/FMT: SAMPLE — CASING SHOE / LINER — CHRONO STRAT UNCERTAINTY

MDT RUN 1A, 1B, 1C, 1E & 1F

Test no	Depth m MD	Depth m TVDRT	Hydrost. pressure before - BAR	Hydrost. pressure after - BAR	Formation pressure BAR	Mobility mD/cp	Temp Deg C.	Comments
					Run 1A			
1	1559.5	1559.2					27.8	Tight
2	1561	1560.7					29.4	Tight
3	1687	1686.7	212.4	212.4	170.7	31	36.6	Good, water sample
4	1688	1687.7	212.5	212.5	170.8	6	38	Poor
5	1690	1689.7	212.7		171.0	7	40.8	Poor
6	1737.5	1737.2	218.8	218.6	177.7	4	42.3	Tight
7	1743	1742.7	219.3	219.2	178.3		43.3	Superch
8	1748	1747.7	219.9	219.9	177.6	400	44.4	Very Good
9	1750	1749.7	220.1				44.9	Lost Seal
10	1750	1749.7	220.1	220.1	177.8	207	45.2	Good
11	1753	1752.7	220.5	220.5	178.1	235	45.6	Good
12	1755	1754.7	220.8	220.7	178.3	561	46	Very Good
13	1757	1756.7	221.0	221.0	178.5	46	46.2	Very Good
14	1807.5	1807.2	227.4	227.3	182.2	1123	47	Very Good, water sample attempt
15	1819	1818.7	228.7	228.7	183.3	1804	48.5	Very Good
16	1823	1822.7	229.2	229.2	183.7	2953	49	Very Good
17	1855.5	1855.2	233.3	233.3	186.8	6255	49.7	Very Good
18	1889.5	1889.2	237.5	237.5	190.2	412	50.6	Very Good
19	1940	1939.7	243.9	243.7	196.2	172	51.9	Very Good
20	1976	1975.7	248.2	248.2	198.6	1887	53.5	Very Good
21	2005.5	2005.2	252.0	251.9	201.6	32	54.8	Very Good
22	2069	2068.7	259.9	259.8	207.8	1038	56.9	Very Good
23	2120	2119.7	266.1	266.1	212.9	19	59.1	Very Good
24	2175	2174.7	273.0	273.0	218.4		61.4	Very Good
					Run 1B			
1	1773	1772.7	223.02	223.03	178.8	12	53.5	Very Good, water sample.
					Run 1C			
1	1746	1745.7			178.9	96	51.2	HC samples
					Run 1E			
1	1747	1746.7					54	HC sample, 18 gal
					Run 1F			
1	1747.4	1747.1			177.3	44	54.1	HC sample, 18 gal
2	1686.9	1686.6			170.4	23	53.4	Water sample 1 Gallon

CONVENTIONAL CORES

Core no.	Cored interval (m)	Recovered interval (m)	Recovered m	Recovered %	Barrel length (m)	Depth shifted to log depth (m)	Comments
1	1742 - 1757	1742 - 1756,15	14,15	94	27	0.7	Jammed, Åre Fm.
2	1757 - 1760	1757 - 1760,15	3,15	105	27	0.7	Jammed, Åre Fm.
3	1760 - 1765	1760 - 1763,65	3,65	73	27	0.7	Jammed, Åre Fm
4	1765 - 1767	1765 - 1766,65	1,65	83	27	0.7	Jammed, Åre Fm.

TEMPERATURES

Log combination	Depth of measurement m MD RT	Recorded max temperature °C	Time since last circulation hrs	Extrapolated temperature
PEX/HALS	2195	58,58,57	13.00	78.9
CMR/ECS	1862	49,49,48	19.08	54.5°C @ 1717 m MD
MDT-pressure	2150	61,61,61	39.33	
MDT water sample	1748	54,54,54	63.33	
MDT PVT oil	1717	51,51,51	83.50	
MDT 18 Gallon	1715,4	54,54,54,	169,92	
MDT oil+water	1715,4	54,54,54	182.50	

SAMPLES COLLECTED

Depth m MD RKB	Sample Size	Shut-in pressure (bar)	Opening pressure (bar)	Pump Vol. Litres	Avg. Pump Draw down (bar)	Mobility (mD/cp)	Comments
	2 .75 gal			71,9	0,5	748,7	Transferred to 1 l plastic bottles
1773 m Water sample							
	1 gal	283,0	180,0	83,6	1,8	748,7	
1747 m HC sample	2.75 gal	282,0	280,0	31,0	8.0	96,2	Filled cylinders with gas for geochemical tests
	2.75 gal	284,0		52,0	8,0	96,2	
	1,0 gal	82,0	1,0	60,3	8,0	96,2	
	250 cc	272,0		62,0	8,0	96,2	Drained offshore for analysis
	250 cc	272,0		63,8	8,0	96,2	
	250 cc	278,0		64,9	8,0	96,2	
1747,0 m HC sample	18 gal			14,5	11,0	43,9	Transferred offshore to Jerry cans apprx. 62 l
1747.4m HC sample	18 gal			18,1	15,0	53,1	Transferred offshore to Jerry cans apprx. 63 l
1686,9 m Melke water sample	1 gal	265,0	150,0	38,0	20,0	37,4	Transferred to PVT bottles