Well no:	Operator:
35/09-02	HYDRO

Well

Coordinates :	61° 20' 08.69" N 03° 56' 16.59" E	UTM coord. :	6800707.8 N 550194.35 E
License no :	153	Permit no :	663
Rig :	VILDKAT EXPLORER	Rig type :	SEMI-SUB.
Contractor :	TRANSNOR RIG AS		
Bottom hole temp:	89 °C	Elev. KB :	25 M
Spud. date :	91.01.01	Water depth :	367 M
Compl. date :	91.04.03	Total depth :	2885 M
Spud. class :	WILDCAT	Form. at TD :	BASEMENT
Compl. class :	P&A. GAS/COND.	Prod.form. :	
Seisloca :	NH 8902 , ROW 816, KOL. 1229		

Licensees

20.000000	NORSK HYDRO PRODUKSJON AS
10.000000	PETROBRAS NORGE A/S
12.000000	A/S NORSKE SHELL
50.000000	DEN NORSKE STATS OLJESELSKAP A.S
8.000000	DEMINEX NORGE AS

Casing and Leak-off Tests

Type	Casing diam	Depth below KB	Hole diam.	Hole depth below KB	Lot mud eqv. g/cm3
CONDUCTOR	30	477.0	36	479.0	
INTERM.	13 3/8	1003.0	17 1/2	1018.0	1.37
INTERM.	9 5/8	1939.0	12 1/4	1953.0	1.40
LINER	7	2434.0	8 1/2	2885.0	

Well no:	Operator:
35/09-02	HYDRO

Conventional Cores

Core no.	Intervals cored meters	Recovery m	%
1	2110.5 - 2111.2	0.7	100.0
2	2114.0 - 2142.0	28.0	100.0
3	2271.0 - 2299.0	28.0	100.0
4	2299.0 - 2327.0	28.0	100.0
5	2327.0 - 2350.2	23.2	100.0
6	2365.0 - 2391.9	26.9	100.0
7	2393.0 - 2421.0	28.0	100.0
8	2483.0 - 2520.6	37.6	100.0
9	2520.6 - 2554.3	33.7	100.0
10	2621.0 - 2638.6	17.6	100.0
11	2638.6 - 2665.6	27.0	100.0
12	2666.0 - 2694.0	28.0	100.0
13	2694.0 - 2722.2	28.2	100.0
14	2722.2 - 2759.7	37.5	100.0
15	2759.7 - 2763.7	4.0	100.0
16	2764.5 - 2778.2	13.7	100.0
17	2778.2 - 2784.5	6.3	100.0

Mud

Depth	Mud weight	Visc.	Mud type
464.0	1.20	1.0	WATER BASED
477.0	1.20	1.0	WATER BASED
478.0	1.05	1.0	WATER BASED
479.0	1.05	1.0	WATER BASED
1018.0	1.11	19.0	WATER BASED
1018.0	1.12	19.0	WATER BASED
1018.0	1.05	1.0	WATER BASED
1060.0	1.12	10.0	WATER BASED
1297.0	1.13	11.0	WATER BASED
1310.0	1.14	10.0	WATER BASED
1336.0	1.18	11.0	WATER BASED
1646.0	1.19	8.0	WATER BASED
1918.0	1.20	15.0	WATER BASED
2106.0	1.22	14.0	WATER BASED
2111.0	1.23	15.0	WATER BASED
3436.0	1.22	12.0	WATER BASED

Well no:	Operator:
35/09-02	HYDRO

Drill Stem Test (intervals and pressures)

Test no.	Test interval meter	Choke size	Pressure (psi) WHP	BTHP	FFP
1.0	2330.0 - 2342.0	12.7	2094	3292	
2.0	2295.0 - 2310.0	25.4	1634	3321	
3.0	2187.0 - 2211.0	25.4	1546	3089	
4.0	2100.0 - 2130.0	25.4	1723	3277	

Drill Stem Test (recovery)

Test no.	Oil Sm3/d	Gas Sm3/d	Oil grav. g/cm3	Gas grav. rel. air	GOR m3/m3
1.0	289	206300	0.826	0.608	714
2.0	206	881000	0.720	0.668	4276
3.0	205	803000	0.732	0.664	3902
4.0	202	954055	0.726	0.664	4717

Drill Bit Cuttings and Wet Samples

Sample type	Interval below KB	Number of samples
WET SAMPLES	1020 - 2885	360
CUTTINGS	1025 - 2885	390

Shallow Gas

Interval below KB	Remarks

Well no:	Operator:
35/09-02	HYDRO

Available Logs

Log type	Intervals logged	1/200	1/500	
AMS	1938.0 - 2866.0			
CALIBRATED SONIC	1180.0 - 2880.0			
CBL VDL CCL GR	1700.0 - 2372.0			
CDM AP/MSD SHDT	1942.0 - 2875.0			
CDR	400.0 - 2885.0			
CET CCL GR	1700.0 - 2372.0			
CST GPT	1035.0 - 1951.0			
CST GPT	1962.0 - 2813.0			
DIL AMS SP GR	1938.0 - 2884.0			
DIL BHC GR	1000.0 - 1950.0			
DIL DSI SP GR	476.0 - 2887.0			
DIL SP GR	476.0 - 612.0			
DLL MSFL AMS SP GR	2075.0 - 2400.0			
DRILLING DATA PRESS.	1018.0 - 3885.0			
DSI	1900.0 - 2400.0			
DSI NGL AMS	1938.0 - 2872.0			
FMS AMS GR	1938.0 - 2887.0			
LDL CNL AMS GR	1938.0 - 2877.0			
LDL GR	1000.0 - 1934.0			
MUD	1018.0 - 3885.0			
MWD	392.0 - 2885.0			
NGL AMS	1938.0 - 2869.0			
RFT HP	2103.0 - 2836.0			
RFT HP GR	2367.0 - 2369.0			

Date: 27/09/96

Well no:	Operator:
35/09-02	HYDRO

SYNTHETIC SEISMOGRAM				
TEMPERATURE DATA	300.0 - 2900.0			
TWO-WAY TRAVEL TIME	.0 - 2800.0			
VSP				

Main operations for well: 35/9-2

Main operation: DRILLING

Sub operation:	Minutes:	Hours:	% of total:
BOP ACTIVITIES	930	15,5	3,22
BOP/WELLHEAD EQ	1710	28,5	5,93
CASING	11670	194,5	40,44
CIRC/COND	150	2,5	0,52
DRILL	10860	181,0	37,63
OTHER	60	1,0	0,21
REAM	270	4,5	0,94
SURVEY	30	0,5	0,10
TRIP	2280	38,0	7,90
WAIT	900	15,0	3,12
Total	28860	481,0	100,00

Main operation: FORMATION EVAL

Sub operation:	Minutes:	Hours:	% of total:
CIRC SAMPLES	510	8,5	0,71
CIRC/COND	870	14,5	1,22
CORE	9180	153,0	12,82
DST	44910	748,5	62,74
LOG	6750	112,5	9,43
TRIP	9330	155,5	13,03
WAIT	30	0,5	0,04
Total	71580	1193,0	100,00

Main operation: INTERRUPTION

Sub operation:	Minutes:	Hours:	% of total:
FISH	3600	60,0	17,86
MAINTAIN/REP	11040	184,0	54,76
OTHER	240	4,0	1,19
WAIT	5280	88,0	26,19
Total	20160	336,0	100,00

Main operation: MOVING

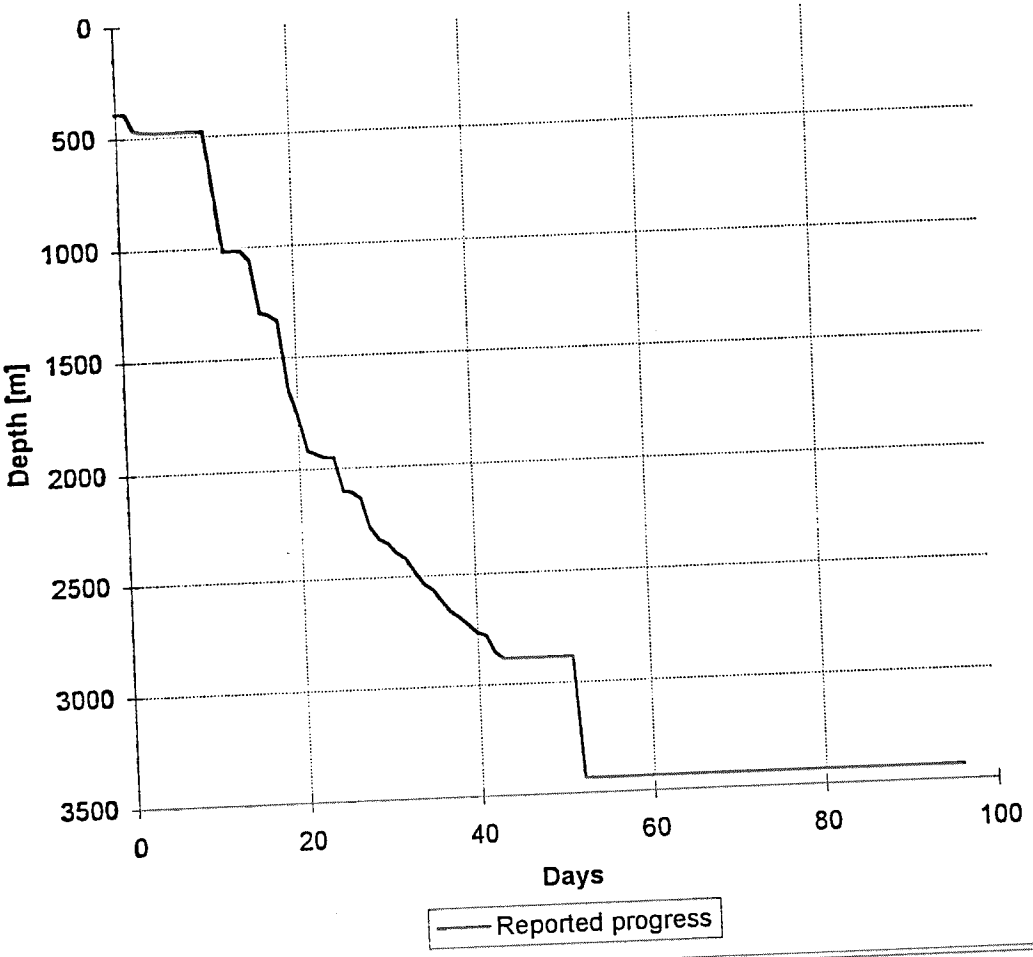
Sub operation:	Minutes:	Hours:	% of total:
ANCHOR	3240	54,0	58,06
TRANSIT	2340	39,0	41,94
Total	5580	93,0	100,00

Main operation: PLUG & ABANDON

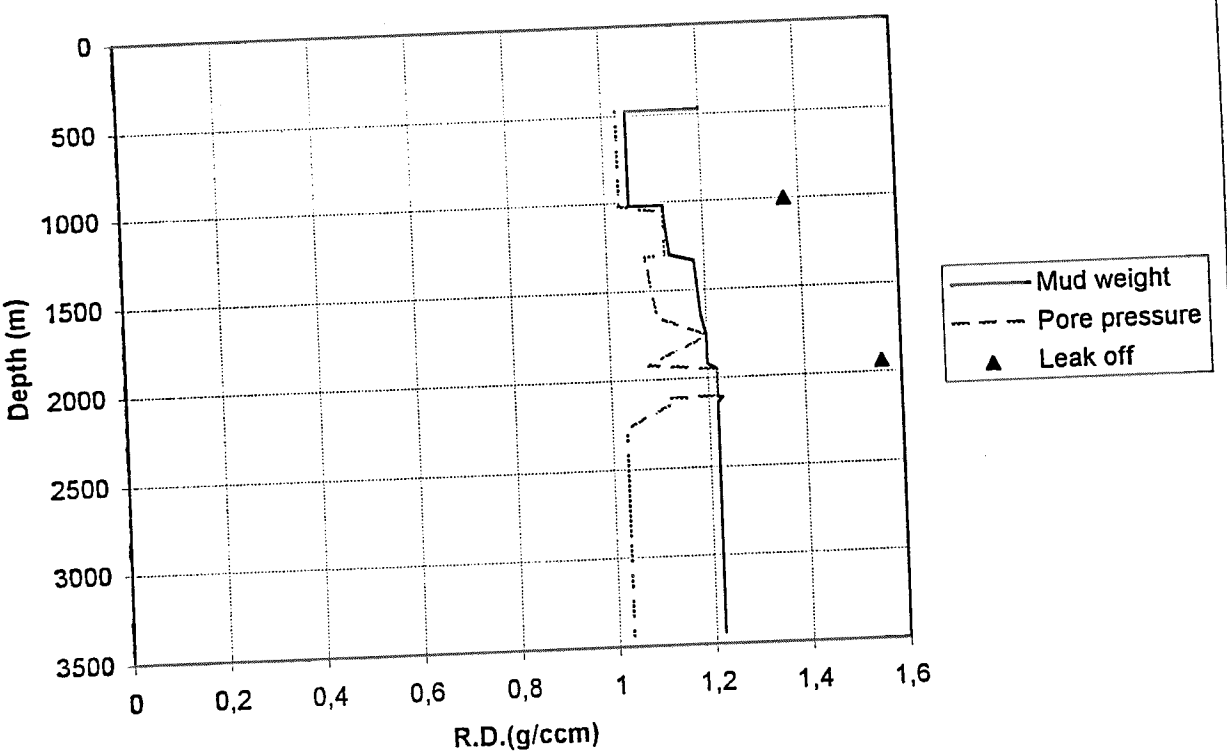
Sub operation:	Minutes:	Hours:	% of total:
CEMENT PLUG	420	7,0	6,51
CIRC/COND	420	7,0	6,51
CUT	960	16,0	14,88
EQUIP RECOVERY	3000	50,0	46,51
MECHANICAL PLUG	180	3,0	2,79
OTHER	210	3,5	3,26
PERFORATE	150	2,5	2,33
SQUEEZE	150	2,5	2,33
TRIP	960	16,0	14,88
Total	6450	107,5	100,00

Total time used: 2210,5 Hours

Depth vs time for well: 35/9-2



Composite plot for well: 35/9-2



Well History 35/9-2

General:

Well 35/9-2 was designed to drill on the A-Structure in block 35/9 which is located in the northern part of the Horda Platform, in the footwall of the Sogn Graben boundary fault system. At the Brent Formation level, the block is cut by an *en echelon*, rigth-stepping set of major NE-SW trending transfer faults. The faults are splaying from and linking the terminations of large N-S striking faults which approximately coinside with the eastern and western block boundaries. The faults are in the order of 5oo m.

Two domains, eastern and western, can be distinguished in the block at the top Brent structural level, separated from each other by a gentle NNW- plunging syncline which passes through the NW blocks corner. The western domain, constituting the westeren, NE inclined, limb of the syncline, is cut by several N-S to NNW-SSE trending faults, thrown up several tens of metres both to the east and the west. The eastern domain, in which wells 35/9-1 and 35/9-2 are located, ocupies some 2/3 of the block area. It orresponds to a westerly inclined eastern limb of the syncline. The primary objectives of the well were to:

1) explore hydrocarebon type and content in Late Jurassic reservoirs.
2) establish a water gradient in the Middle- Early Jurassic reservoir.
3) test new formations in the Late Jurassic.
4) test new formations in the Early Jurassic/Triassic?.
5) if possible, penetrate the Late Jurassic reservoir arround a possible gas/water contact.

The secondary objectives of the well were to:

i) establish a water gradient in the Late Jurassic.
ii) confirm the seismic interpretation.
iii) provide new geological information.

The total depth of the well was prognosed to 2830m RKB, which is approximately 30 m into the Caledonian basement.

Operations:

Wildcat well 35/9-2 was spudded by the semi-submersible rig Vildkat Explorer 1 January 1991 and completed 3 April 1991 at a depth of 2885 m RKB in the Caledonian basement. Due to hole angle problems, the well had to be re-spudded twice before drilling proceeded. No shallow gas or boulders were observed while drilling. In order to penetrate the target within the given tolerances, a kickoff was made at 1039 m RKB so that a suffisient angle build-up could be obtained.
The well encountered oil and gas bearing sandstones in the Late Jurassic reservoirs of the Viking Group. The Middle and Early Jurassic formations were encountered and found water bearing..
A total of the 9 cores were cut in the Viking Group. 3 cores were cut in the Brent Group and 5 in the Dunlin Group. The gas/oil contact is placed at 2324 m RKB, but oil/water ontact was not seen. Oil down to 2341 m RKB in the Fensfjord "C" Formation, and net pay zone is calculated to 13.13 m. Net pay in the gas zone is calculated to 171.26 m. The best reservoir sand is found in the Sognefjord Formation. The well was permanently plugged and abandoned as a gas and condensate well.

Testing:

Four DST tests were performed in this well.

Geological Tops.

Well:.35/9-2

	Depth m (RKB).
Nordland Group	392.0
Hordaland Group	573.0
Grid Fm	573.0
Rogaland Group	658.0
Balder Fm	658.0
Sele Fm	692.0
Lista Fm	785.0
Våle Fm	1281.0
Shetland Group	1305.0
Jorsalfare Fm	1305.0
Kyrre Fm	1385.0
Tryggvason Fm	1888.0
Cromer Knoll Group	2016.0
Åsgard Fm	2016.0
Viking Group	2057.5
Draupne Fm	2057.5
Sognefjord Fm	2099.0
Heather Fm	2132.0
Fensfjord "D" Fm	2188.0
Fensfjord "C" Fm	2246.5
Fensfjord "B" Fm	2367.0
Fensfjord "A" Fm	2481.0
Heather Fm	2512.0
Brent Group	2615.0
Ness Fm	2615.0
Oseberg/Rannoch/Etive	2639.5
Dunlin Group	2680.0
Statfjord.Fm	2754.0
Basement	2856.0
T.D.	2885.0