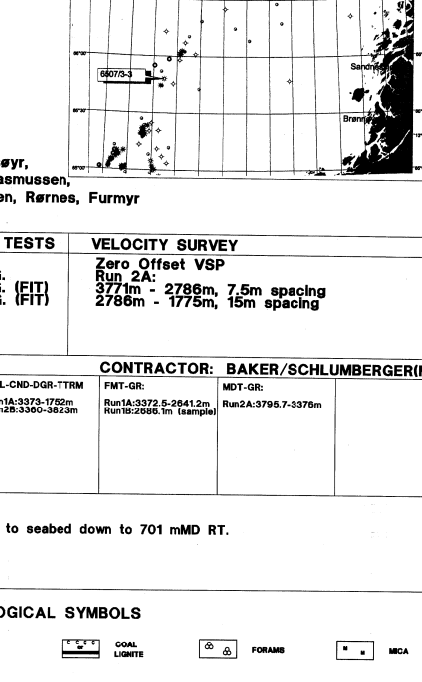


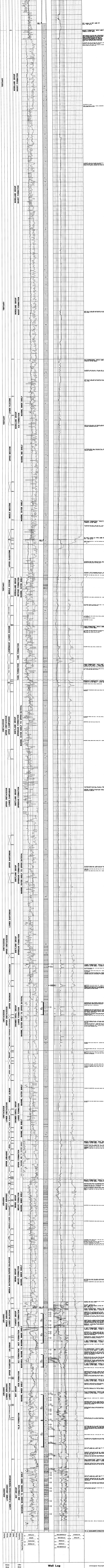
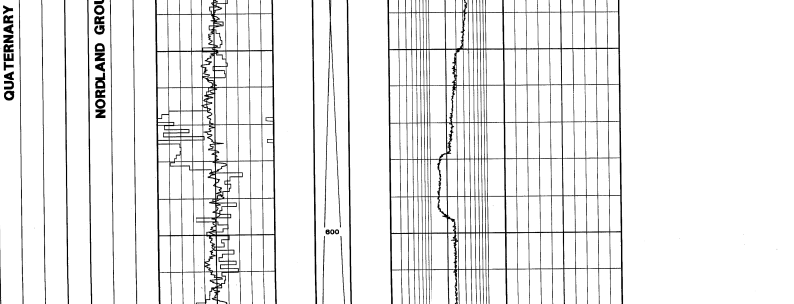
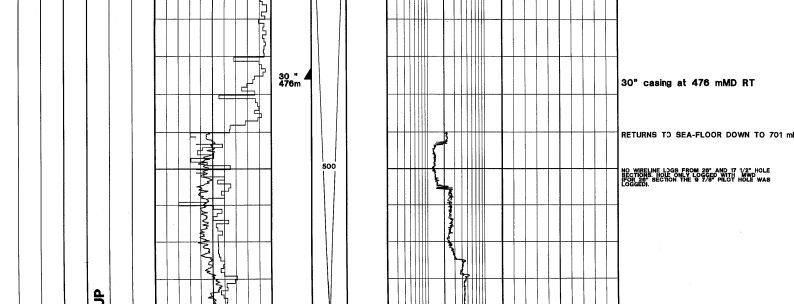
AREA: Norwegian North Sea  
LICENSE: PL 159  
COORDINATES: 65° 48' 03.73" N  
07° 43' 28.69" E  
WATER DEPTH: 416m  
TOTAL DEPTH: 3830m  
FM AT: Are Formation  
FM AT TO: 23-12-98  
SPUD DATE: 20-06-99  
RIG RELEASE: P & A - gas discovery  
WELL STATUS: Refined Dolphin  
CONTRACTOR: Dolphin Drilling AS  
GEOLOGISTS: Johnsen, Winvold, Klungseyr,  
Johansen, Alm, Lersen, Rasmussen,  
Skjerve, Nørnes, Ingebrigtsen, Rønnes, Furnyr,  
I. Winesvold



CASING DATA		LEAK OFF TESTS		VELOCITY SURVEY	
30" casing	476 mMD	1.26	Zero Offset VSP	2778m	2786m, 7.5m spacing
13 3/8" casing	1725 mMD	1.68	2778m	2778m	1775m, 15m spacing
9 5/8" casing	3362 mMD	1.59	(FIT)	2786m	

LOGS RUN		CONTRACTOR: BAKER/SCHLUMBERGER(MDT)			
MWD GR RES (MPS)	MWD DR	NEU-MAC-DGR-TTM	ZL-CND-DGR-TTM	FMT-GR	MOT-GR
480-84m	250-22m	Run# 2327-1725m	Run# 3322-1725m	Run# 3372-2541.5m	Run# 3764-1725m
480-84m	250-22m	Run# 2327-1725m	Run# 3322-1725m	Run# 3372-2541.5m	Run# 3764-1725m

COMMENTS: 36" and 26" hole sections were drilled with returns to seabed down to 701 mMD RT.



Chron Strat	Litho Strat	Lithological Descriptions
Strat	Strat	

Conventional cores		MUD LOG 2A	
Core	Interval	Depth	Time
1	2327-2330	2327	00:00
2	2330-2333	2330	00:05
3	2333-2336	2333	00:10
4	2336-2339	2336	00:15
5	2339-2342	2339	00:20
6	2342-2345	2342	00:25
7	2345-2348	2345	00:30
8	2348-2351	2348	00:35
9	2351-2354	2351	00:40
10	2354-2357	2354	00:45
11	2357-2360	2357	00:50
12	2360-2363	2360	00:55
13	2363-2366	2363	01:00
14	2366-2369	2366	01:05
15	2369-2372	2369	01:10
16	2372-2375	2372	01:15
17	2375-2378	2375	01:20
18	2378-2381	2378	01:25
19	2381-2384	2381	01:30
20	2384-2387	2384	01:35
21	2387-2390	2387	01:40
22	2390-2393	2390	01:45
23	2393-2396	2393	01:50
24	2396-2399	2396	01:55
25	2399-2402	2399	02:00
26	2402-2405	2402	02:05
27	2405-2408	2405	02:10
28	2408-2411	2408	02:15
29	2411-2414	2411	02:20
30	2414-2417	2414	02:25
31	2417-2420	2417	02:30
32	2420-2423	2420	02:35
33	2423-2426	2423	02:40
34	2426-2429	2426	02:45
35	2429-2432	2429	02:50
36	2432-2435	2432	02:55
37	2435-2438	2435	03:00
38	2438-2441	2438	03:05
39	2441-2444	2441	03:10
40	2444-2447	2444	03:15
41	2447-2450	2447	03:20
42	2450-2453	2450	03:25
43	2453-2456	2453	03:30
44	2456-2459	2456	03:35
45	2459-2462	2459	03:40
46	2462-2465	2462	03:45
47	2465-2468	2465	03:50
48	2468-2471	2468	03:55
49	2471-2474	2471	04:00
50	2474-2477	2474	04:05
51	2477-2480	2477	04:10
52	2480-2483	2480	04:15
53	2483-2486	2483	04:20
54	2486-2489	2486	04:25
55	2489-2492	2489	04:30
56	2492-2495	2492	04:35
57	2495-2498	2495	04:40
58	2498-2501	2498	04:45
59	2501-2504	2501	04:50
60	2504-2507	2504	04:55
61	2507-2510	2507	05:00
62	2510-2513	2510	05:05
63	2513-2516	2513	05:10
64	2516-2519	2516	05:15
65	2519-2522	2519	05:20
66	2522-2525	2522	05:25
67	2525-2528	2525	05:30
68	2528-2531	2528	05:35
69	2531-2534	2531	05:40
70	2534-2537	2534	05:45
71	2537-2540	2537	05:50
72	2540-2543	2540	05:55
73	2543-2546	2543	06:00
74	2546-2549	2546	06:05
75	2549-2552	2549	06:10
76	2552-2555	2552	06:15
77	2555-2558	2555	06:20
78	2558-2561	2558	06:25
79	2561-2564	2561	06:30
80	2564-2567	2564	06:35
81	2567-2570	2567	06:40
82	2570-2573	2570	06:45
83	2573-2576	2573	06:50
84	2576-2579	2576	06:55
85	2579-2582	2579	07:00
86	2582-2585	2582	07:05
87	2585-2588	2585	07:10
88	2588-2591	2588	07:15
89	2591-2594	2591	07:20
90	2594-2597	2594	07:25
91	2597-2600	2597	07:30
92	2600-2603	2600	07:35
93	2603-2606	2603	07:40
94	2606-2609	2606	07:45
95	2609-2612	2609	07:50
96	2612-2615	2612	07:55
97	2615-2618	2615	08:00
98	2618-2621	2618	08:05
99	2621-2624	2621	08:10
100	2624-2627	2624	08:15