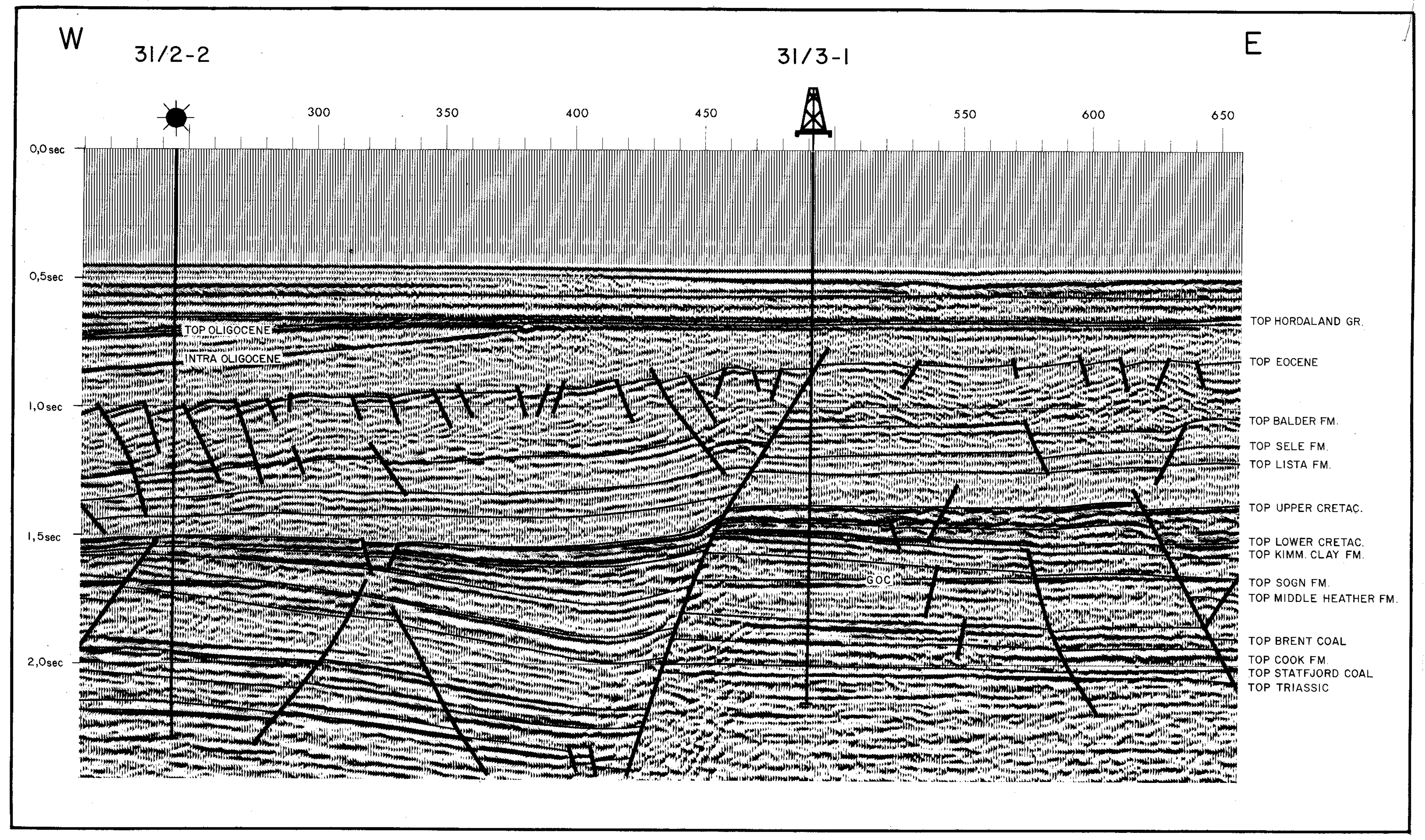
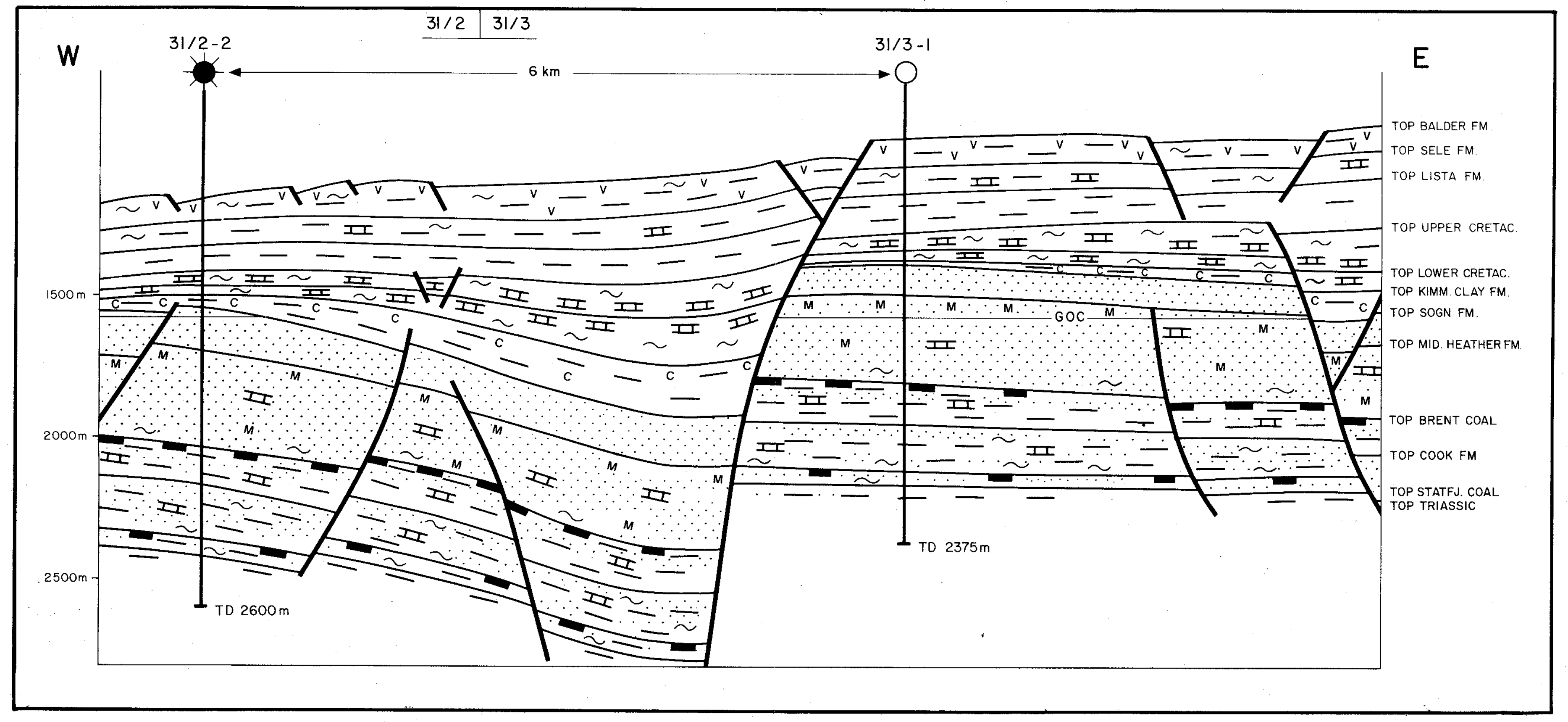
PL 085, 31/3-1 WILDCAT WELL ON TROLL PROSPECT.

LINE ST 8116-138 MIGR. TIME SECTION



GEOSEISMIC SECTION LINE ST 8116-138



FORMATION TOPS

31/3-1 TROLL

FORM/SERIES	Depth (m RKB)		Two way time (s)		VA(m/s)		Comments
	31/3-1	31/2-2	31/3-1	31/2-2	31/3-1	31/2-2	
Seabottom	360 ± 5	355	0,455	0,44	1473	1468	
Top Nordland Gr.	360 ± 5	355	0,455	0,44	1473	1468	
Top Hordaland Gr.	540 ± 10	539	0,660	0,625	1560	1621	
Top Eocene	710 ± 10	886	0,840	1,006	1635	1698	Probably faulted
Top Balder Fm.	945 ± 20	1121	1,083	1,256	1699	1734	
Top Sele Fm.	1050 ± 20	1205	1,190	1,339	1723	1752	Poor reflector
Top Lista Fm.	1125 ± 20	1303	1,265	1,434	1742	1772	Poor reflector
Top Upper Cret.	1250 ± 20	1374	1,387	1,503	1766	1786	
Top Lower Cret.	1315 ± 20	1423	1,450	1,544	1783	1802	
Top Kimm.Clay Fm.	1365 ± 20	1470	1,490	1,579	1798	1821	
Top Sogn Fm.	1380 ± 20	1545	1,505	1,648	1801	1836	
Top Mid.Heath.Fm.	1465 ± 40	1696	1,579	1,736	1824	1918	
Goc	1570 ± 20	1579	1,675	1,676	1847	1846	
Top Brent Coal	1795 ± 40	2029	1,825	1,957	1941	2041	
Top Cook Fm.	1915 ± 40	2162	1,912	2,057	1985	2071	
Top Statf.Coal	2095 ± 40	2360	2,015	2,171	2058	2145	
Top Comorant Fm	2145 ± 40	2415	2,042	2,207	2072	2159	
TD	2375						TD.approx.200 m into the Triassic, est. at 2375 m.

GEOLOGICAL PROGRAM

PURPOSE OF TEST

Well 31/3-1 is a wildcat designed to test possible hydrocarbon accumulations in the Upper to Middle Jurassic sandstones of the Troll structure. The well will be drilled approx. 200 m into the Triassic to an estimated total depth of 2375 m (RKB).

OBJECTIVES

The primary objective of well 31/3-1 is the sandstone sequence of Upper to Middle Jurassic age. Secondary objectives are sandstones of Middle to Lower Jurassic and also upper Triassic age.

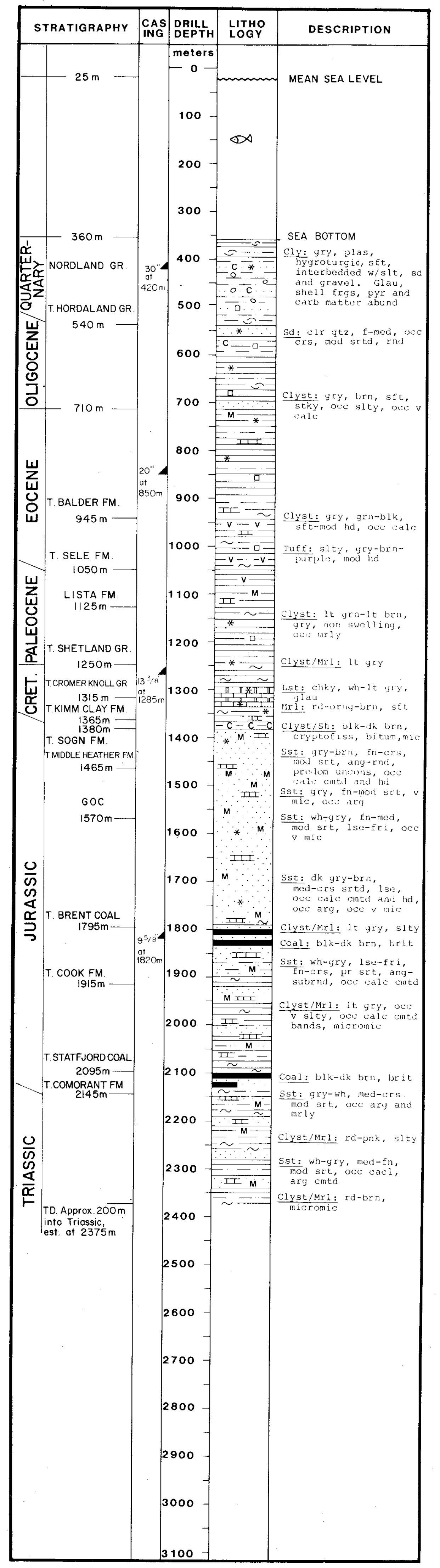
DRILLING HAZARDS

The water depth at the planned drilling location is 335 m (MSL). Seismic data from the Site Survey show no abnormal high reflection amplitudes at this location, and no debris were seen. In surrounding areas, however, weak reflection anomalies may be caused by gas in the interval 455—565 m (RKB). Boulders are probably present in the zone between 425 and 475 m (RKB).

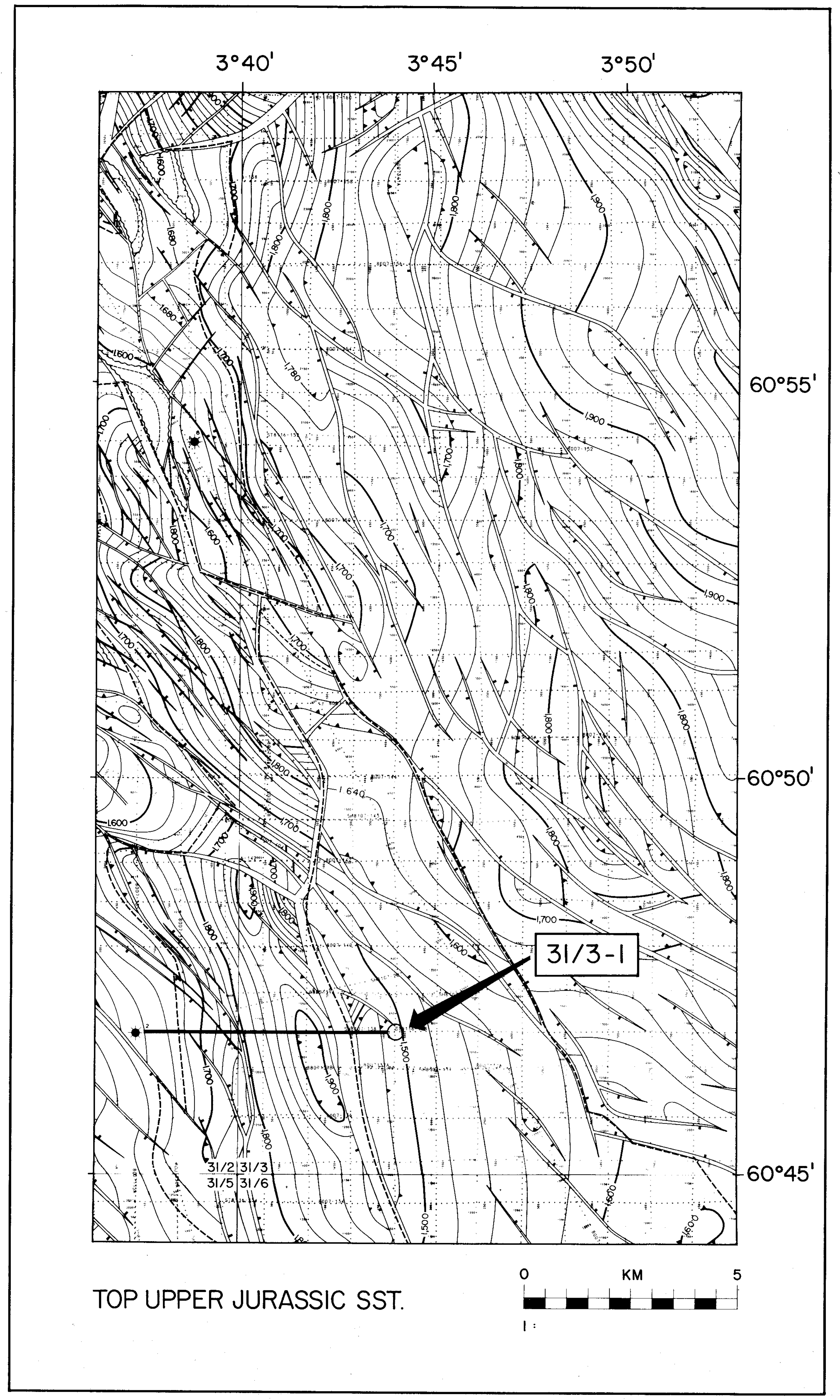
SURVEY AND POSITIONING

The rig will be navigated by Syledis and finally positioned by Satnav. Rig location accuracy is requested within a 100 m radius of the proposed location on s.p. 491 of seismic line ST 8116—138.

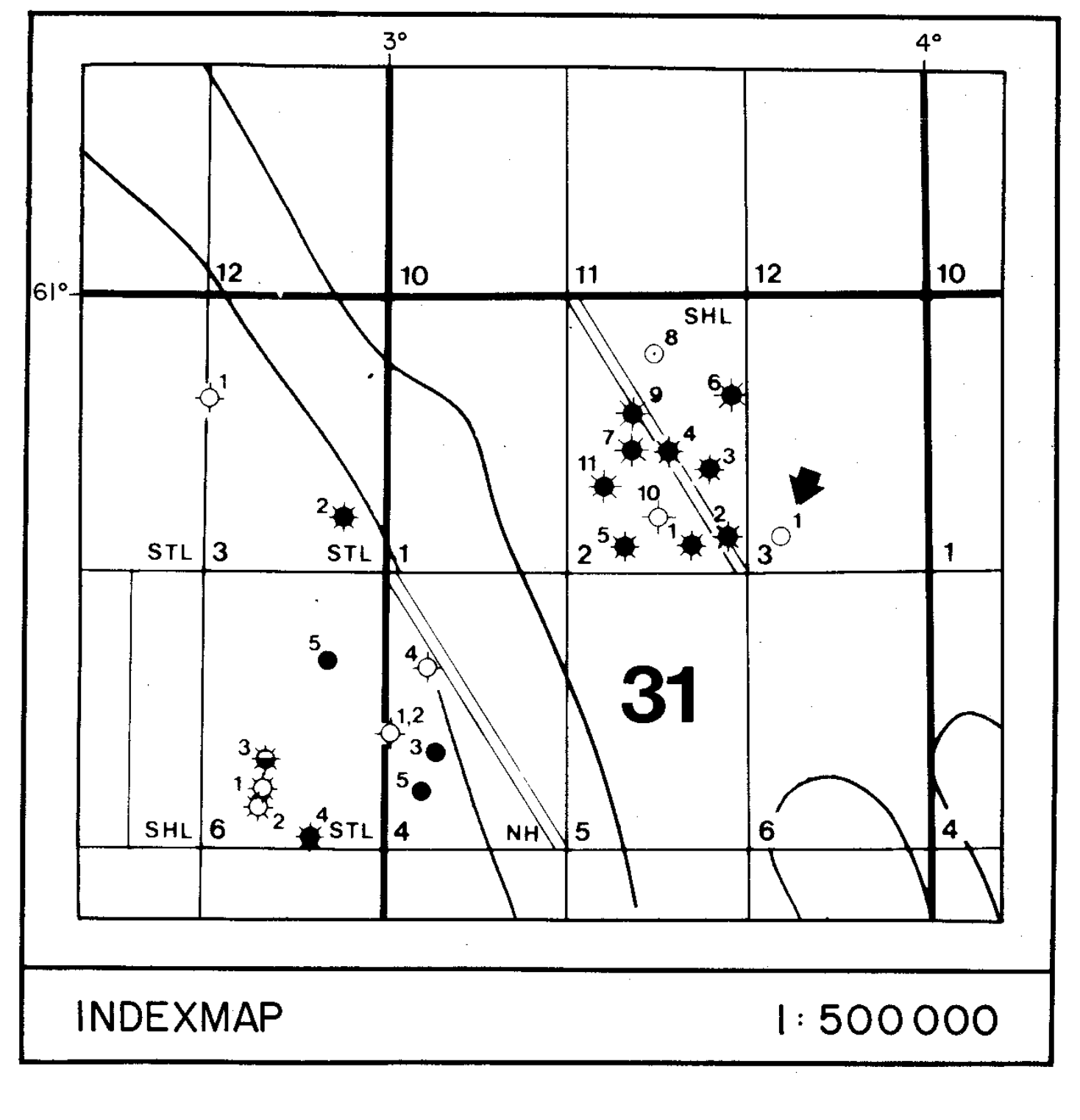
WELL PROGNOSIS
31/3-1 WILDCAT



STRUCTURE MAP IN TIME



TOP UPPER JURASSIC SST.



INDEXMAP 1 : 500 000

WELL INFORMATION
31/3-1 TROLL

CLASSIFICATION	
COORDINATES	60°46'48,0" N 03°44'02,8" E
SEISMIC LOCATION	LINE ST 8116-138 S.P. 491
DRILLING RIG	DEEP SEA BERGEN
WATER DEPTH	335 m
K.B.E.	25 m
PROJECTED T.D.	2375 m or approx. 200 m into Triassic

LICENCE INFORMATION

AREA	NORWEGIAN NORTH SEA
BLOCK	31/3
LICENCE	085
LICENCEES	STATOIL/NORSK HYDRO/SAGA
OPERATOR	STATOIL

statoil
Den norske stats
oljeselskap a.s

DISPLAY PANEL
PL 085
31/3-1

P. FURMYR

Skala:
Original arb. av: P.F.
Tegnet av: GrH
Kontroll av:
Dato: 6-5-83
Revidert:
1) 1-7-83
2)
3)
Arkiv nr.:
Tegning nr.: RX-2046