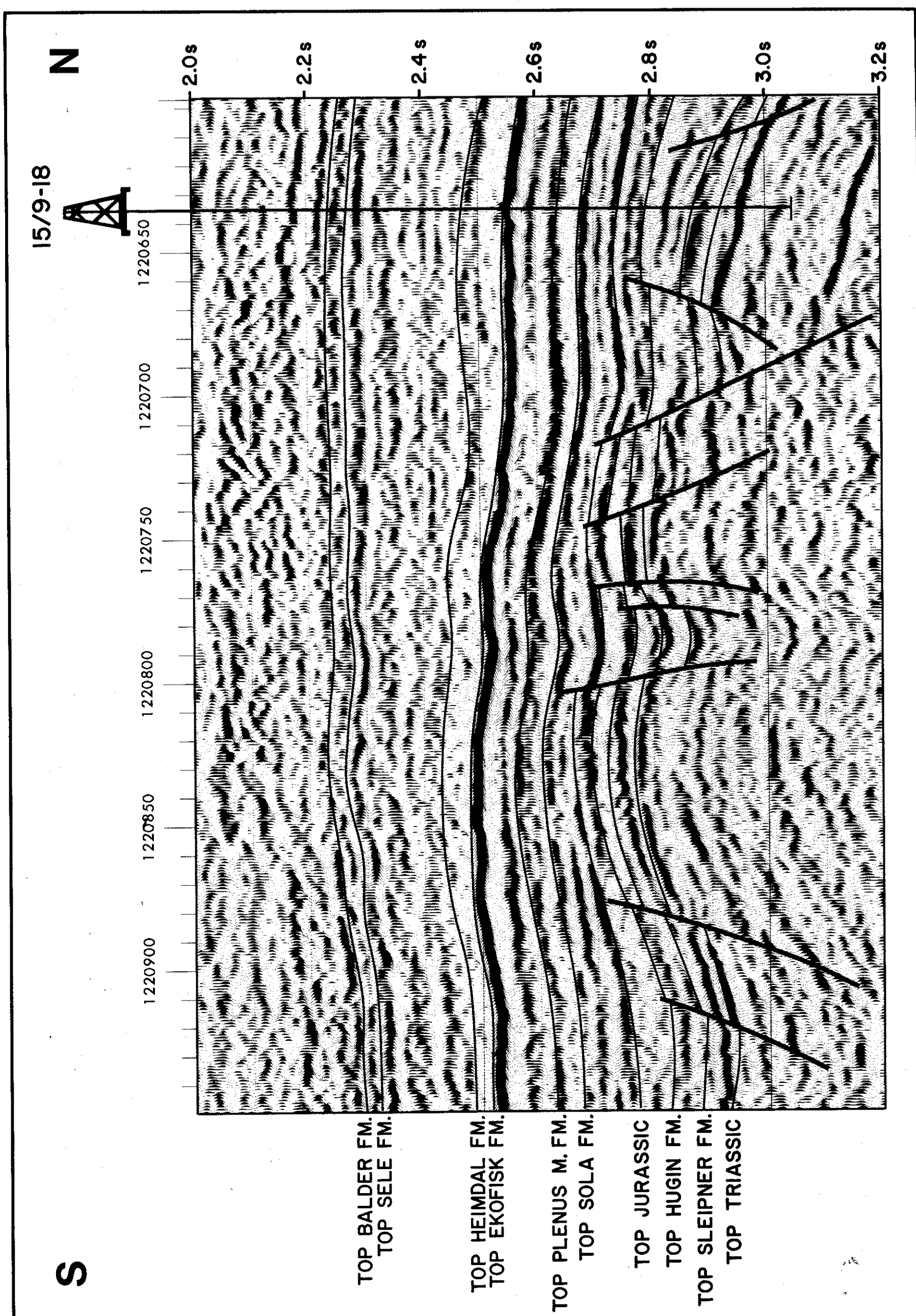
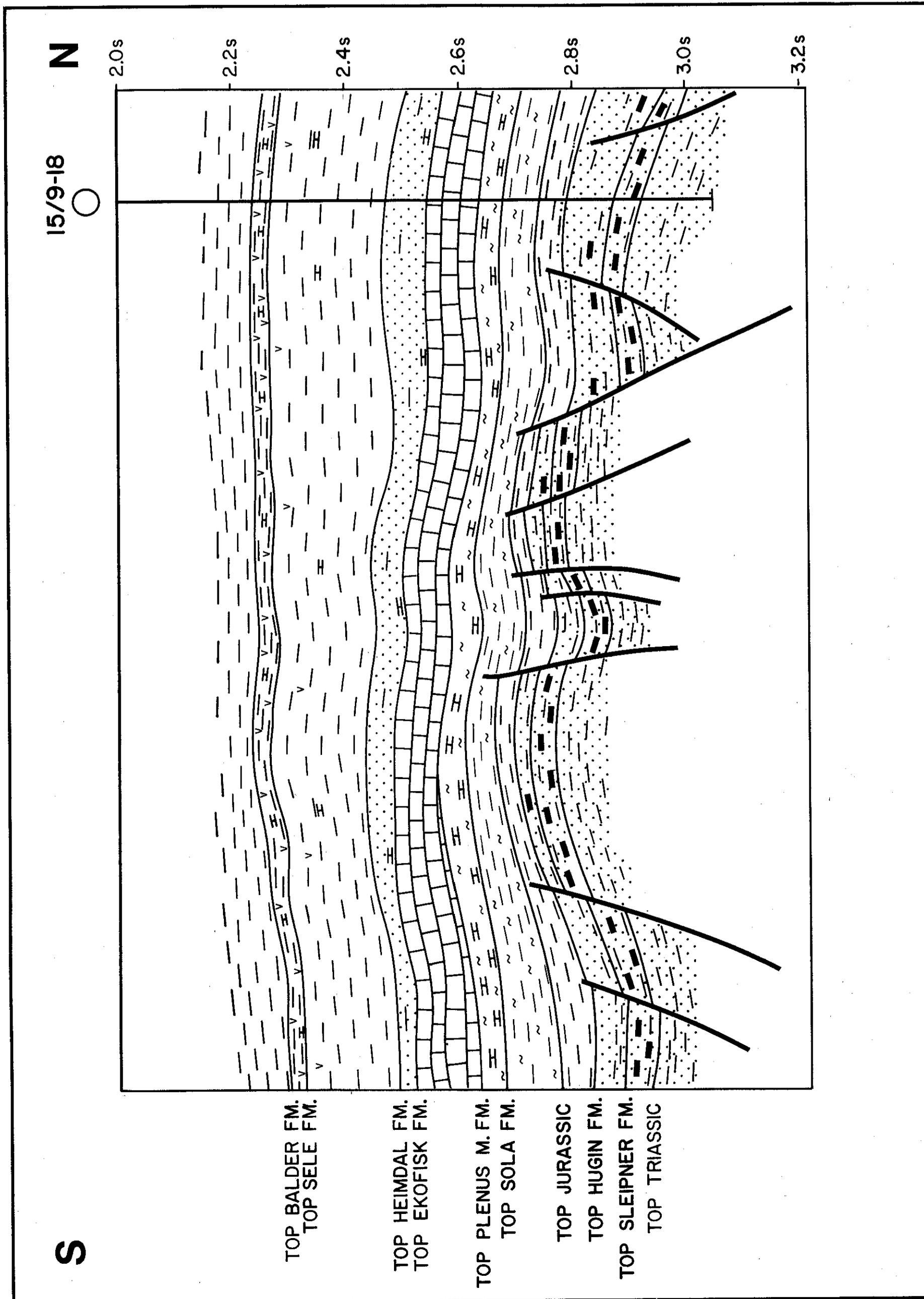


# PLO46, 15/9-18 WILDCAT, SIGMA STRUCTURE

ROW ST 8215-122 3D-MIGR. TIME SECTION



GEOSEISMIC SECTION ROW ST 8215-122



FORMATION TOPS

FORMATION	DEPTH (m RKB)		TWO-WAY TIME (s)		INTERVAL VELOCITY (m/s)		AVERAGE VELOCITY (m/s)	
	15/9-18	15/9-10	15/9-18	15/9-10	15/9-18	15/9-10	15/9-18	15/9-10
T. PLIOCENE	627	644	0.704	0.710	0.9220	2326	1710	1732
T. UTTERA FM.	861	879	0.826	0.830	0.9332	2067	1810	1825
B. UTTERA FM.	1176	1192	1.226	1.157	1.1466	2102	2178	1885
T. MARSTEN FM.	1528	1573	1.526	1.502	1.2060	2091	2162	1928
B. MARSTEN FM.	2079	2049	2.108	2.033	1.3000	2246	2191	1922
T. FROGS FM.	2310	2325	2.289	2.240	1.3200	2328	2234	2037
T. BALDER FM.	2660	2675	2.525	2.288	1.2342	2778	2720	2628
T. SELE FM.	2815	2820	2.587	2.289	1.2416	2696	2670	2718
T. HEIMDAL FM.	2970	2975	2.647	2.289	1.2416	2696	2670	2718
T. EKOFISK FM.	3125	3130	2.707	2.289	1.2416	2696	2670	2718
T. PLENUS M. FM.	3280	3285	2.767	2.289	1.2416	2696	2670	2718
T. JURASSIC	3435	3440	2.827	2.289	1.2416	2696	2670	2718
T. HUGIN FM.	3590	3595	2.887	2.289	1.2416	2696	2670	2718
T. SLEIPNER FM.	3745	3750	2.947	2.289	1.2416	2696	2670	2718
T. TRIASSIC	3900	3905	3.007	2.289	1.2416	2696	2670	2718
TD	3750	3750	3.006	3.006	3.000	3000	3000	3007

## GEOLOGICAL PROGRAM

### Purpose of test and objectives

The well is designed to test possible hydrocarbon accumulation in potential sandstones of Paleocene, Middle Jurassic, (Cretaceous) and Triassic age.

The primary objective of the 15/9-Sigma well is Cretaceous sandstone of the Hugin Formation, Paleocene sandstone of the Heimdal Formation and Sleipner Formation/Triassic sandstones.

### Drilling hazards

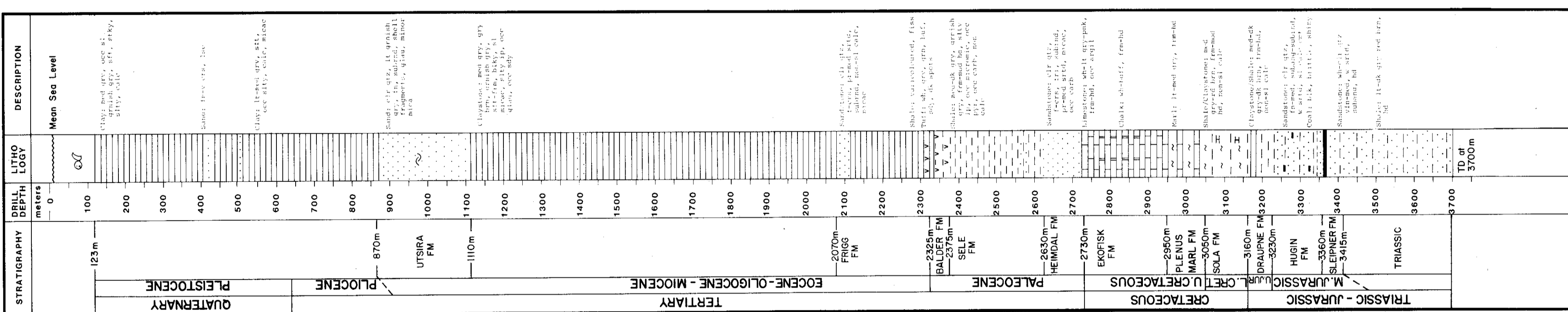
The waterdepth at the location is approximately 100 m.

The side scan sonar shows a typical North Sea sandy seafloor free from man made debris.

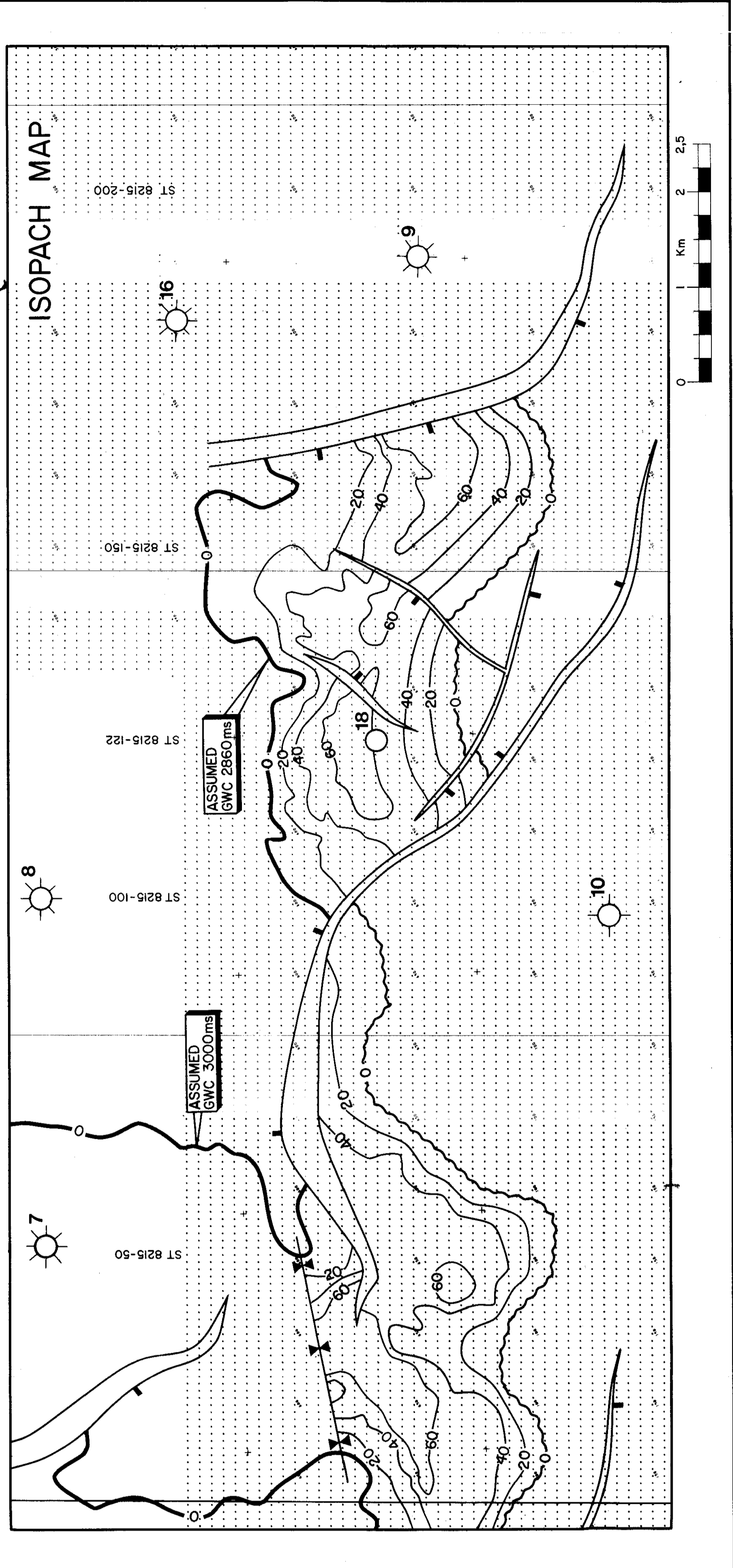
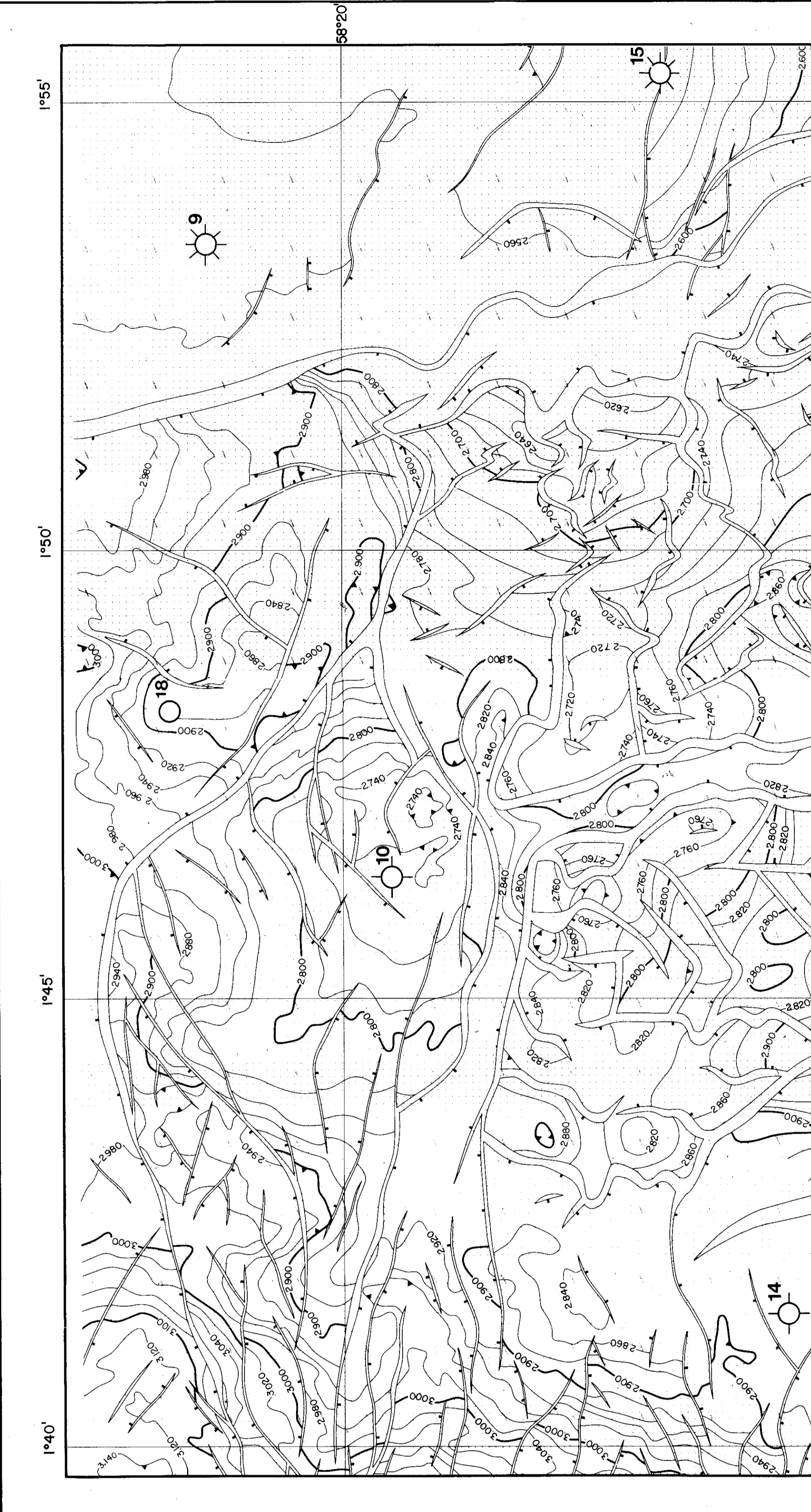
The sparker records show that there is 7 m of medium dense sand and/or silt and clayed sand at the location. A prominent glacial surface is recorded at 200 m RKB. Between the upper sand layer and this glacial surface, there is a sequence of poorly stratified glauconitic clay, sand and silt. At, or immediately above the glacial surface, it is possible to find sand and glacial till.

At approximately 620-645 m RKB there is a strong reflector, probably associated with heavily overconsolidated clay. Immediately below this strong reflector there are high amplitude reflections associated with gas. It is recommended to take precautions when drilling this section.

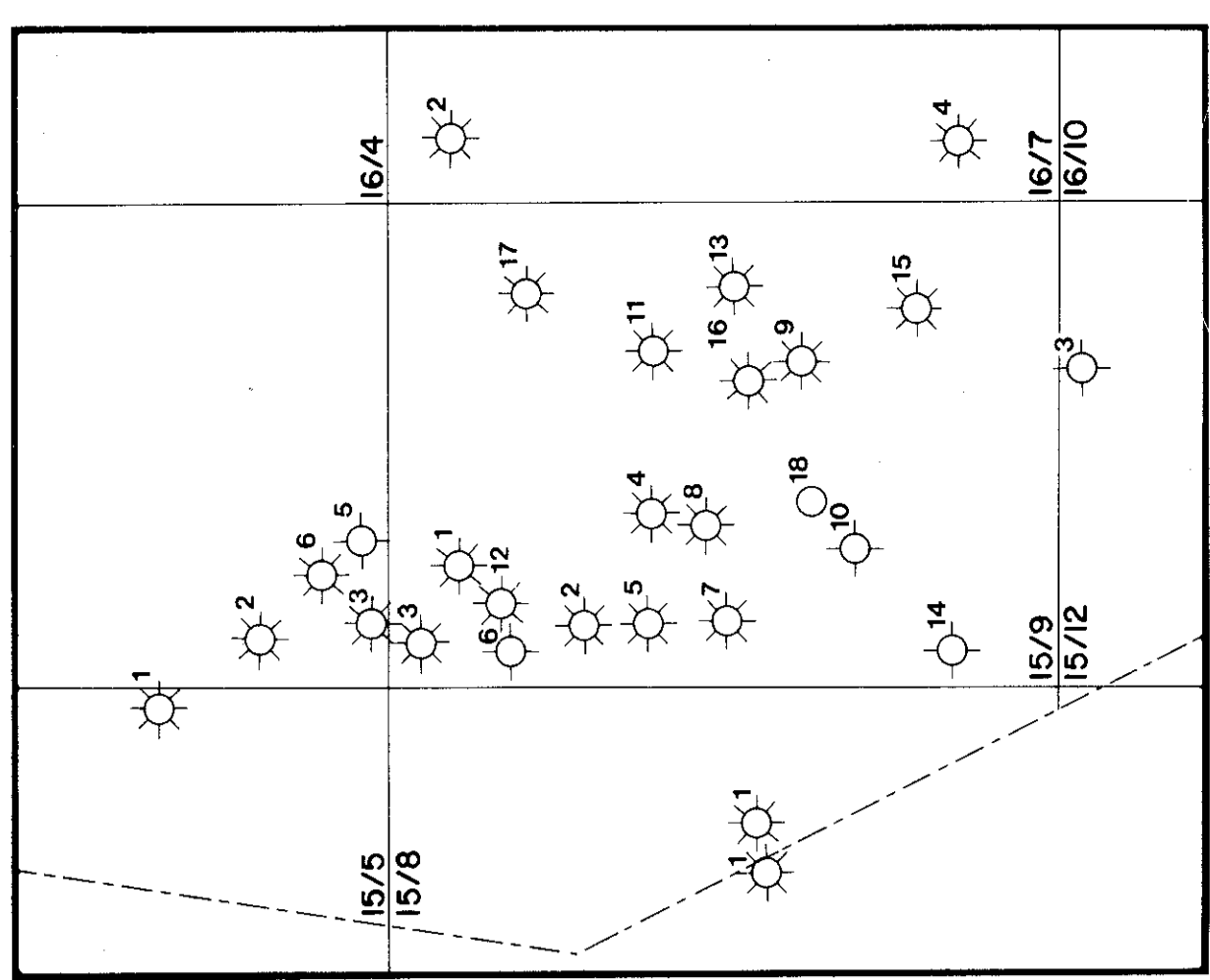
WELL PROGNOSIS



STRUCTURE MAP IN TIME



## INDEXMAP



## WELL INFORMATION

**15/9-18 SIGMA**

CLASSIFICATION WILDCAT  
 COORDINATES 58°21'01.6"N  
 01° 48'11.8"E

SEISMIC LOCATION ROW: ST 8215-122  
 S.P. 636

DRILLING RIG DEEPSEA BERGEN  
 WATER DEPTH 100 m  
 K.B.E. 23 m  
 PROJECTED T.D. 3700m

## LICENCE INFORMATION

AREA NORWEGIAN NORTH SEA  
 BLOCK 15/9  
 LICENCE 046  
 LICENCEES STATOIL/ESSO/NORSK HYDRO  
 OPERATOR STATOIL



## DISPLAY PANEL

PL 046  
 15/9-18 Sigma

J.M. ØSTBY

K-07009