



WELL PROGNOSIS
15/9-18 SIGMA

AUTHOR: J.K. SIE, JMØ DATE: 15/10-83
 COORDINATES: 58°21'01,6"N 01°48'11,8"E
 K.B.E.: 23m COUNTRY: NORWAY
 WATER DEPTH: 100m AREA: NORTH SEA
 TOTAL DEPTH: 3700m SEISMIC ROW: ST 8215-122
 MUD LOGGING: EXLOG SEISMIC SHOT POINT: 636

OBJECTIVE HORIZONS: PRIMARY OBJECTIVE IS SANDSTONE OF MIDDLE JURASSIC AGE, SECONDARY OBJECTIVES ARE SANDSTONES OF PALEOCENE AGE AND SLEIPNER FM/TRIASSIC

CORES: A MINIMUM OF ONE CORE WILL BE CUT BOTH IN PALEOCENE AND MIDDLE JURASSIC/TRIASSIC

THE CORING WILL PROCEED AS FAR AS SIGNIFICANT HYDROCARBON SHOWS ARE ENCOUNTERED

ATTEMPTS TO CORE THE UPPER JURASSIC SHALE-MIDDLE JURASSIC SAND TRANSITION WILL BE MADE

FORMATION TESTS: IF NECESSARY

SIDEWALL CORES: MIDDLE-LOWER TERTIARY: 50 SHOTS ELSE OVER ZONES OF INTEREST

STRATIGRAPHY	CAS ING	ELECTRIC LOGS	DRILL DEPTH	LITHO LOGY	DESCRIPTION
			meters		
			0		Mean Sea Level
QUATERNARY PLEISTOCENE			100		
			123m		
			200		Clay: med gry, occ sl grnsh gry, sft, stky, sly, calc
			300		
			400		Sand: fr-v crs, lse
			500		
			600		Clay: lt-med gry, sft, occ sly, calc, micac
			700		
			800		
			900		Sand: clr qtz, lt grnsh gry, fn, subrnd, shell fragments, glau, minor mica
TERTIARY EOCENE-OLIGOCENE - MIOCENE			1000		
			1110m		
			1200		Claystone: med gry, gry brn, grnsh gry, sft frm, bkly, sl micac, sly ip, occ glau, occ sdy
			1300		
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
TERTIARY EOCENE-OLIGOCENE - MIOCENE			2000		
			2100		Sandstone: clr qtz, f-crs, pr-mod srted, subrnd, non-sl calc, micac
			2200		
			2300		Shale: varicoloured, fiss Tuff: wh, gry, grn, buf, sdy, dk spots
			2400		Shale: med-dk gry, grnsh gry, frm-mod hd, sltv ip, occ micromic, occ pyr, occ carb, non calc
			2500		
			2600		
			2700		Sandstone: clr qtz, f-crs, fri, subrnd, pr-mod srted, micac, occ carb
			2800		Limestone: wh-lt gry-pnk, frm-hd, occ argil
			2900		Chalk: wh-buff, frm-hd
TERTIARY PALEOCENE			3000		Marl: lt-med gry, frm-hd
			3100		Shale/Claystone: med gry-rd brn, frm-mod hd, non-sl calc
			3200		Claystone/Shale: med-dk gry-dk brn, frm-hd, non-sl calc
			3300		Sandstone: clr qtz, fn-med, subang-subrnd, w srted, sl calc cmt Coal: blk, brittle, shiny
			3400		Sandstone: wh-clr qtz vfn-med, w srted, subang, hd
			3500		Shale: lt-dk gry red brn, hd
			3600		
			3700		
			3700m		TD at 3700m

QUATERNARY
PLEISTOCENE

PLIOCENE

TERTIARY
EOCENE-OLIGOCENE - MIOCENE

PALEOCENE

CRETACEOUS

M. JURASSIC
J. JURASSIC

TRIASSIC

7" Liner*

*Optional