



Generell informasjon

Brønnbane navn	11/9-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	11/9-1
Seismisk lokalisering	LINE 69/5716 SP.108
Utvinningstillatelse	009
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	147-L
Boreinnretning	DEEPSEA DRILLER
Boredager	44
Borestart	16.01.1976
Boreslutt	28.02.1976
Frigitt dato	28.02.1978
Publiseringsdato	22.04.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	73.0
Totalt målt dybde (MD) [m RKB]	1972.0
Temperatur ved bunn av brønnbanen [°C]	44
Eldste penetrerte alder	LATE PERMIAN
Eldste penetrerte formasjon	ZECHSTEIN GP
Geodetisk datum	ED50
NS grader	57° 16' 33.2" N
ØV grader	6° 44' 52.6" E
NS UTM [m]	6350485.55
ØV UTM [m]	364214.18
UTM sone	32
NPDID for brønnbanen	307



Brønnhistorie

General

Well 11/9-1 is located in the Horn Graben far to the east in the North Sea towards the Skagerrak Sea, ca 15 km from the Danish border. It was located near the top of a saliferous structure in order to explore the whole Triassic series in the most favourable structural position. The structure is potentially large, but since all horizons above the Jurassic level were expected to crop out on the seabed the objective horizon was Lower Middle Triassic carbonaceous shales. These shales were seen both as source rock and seal for hydrocarbons in underlying sandstones (basal Triassic Brockelschiefer). No other objectives were defined for this well.

Operations and results

Wildcat well 11/9-1 was spudded with the semi-submersible installation Deepsea Driller on 16 January 1976 and drilled to TD at 1972 m, 42 m into Late Permian Zechstein salt. The well was drilled water based with spud mud down to 660 m and with ferrochrom lignosulphonate mud (FCL) from 660 m to TD.

Drilling was without returns to 145 m. From there red sandstones and variegated shales made up a very thick Triassic interval (1785 m). The Triassic contained reservoirs as usual but no obvious sealing intervals were seen. Moreover, no potential source rocks were encountered. No shows of gas or oil were recorded during drilling and the different reservoirs were water bearing from the logs. No conventional core was cut and no fluid sample taken. Forty sidewall cores were retrieved in two runs in the interval 737 m to 1962 m.

The well was permanently abandoned on 28 February 1976 as a dry hole.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
150.00	1970.00

Borekaks tilgjengelig for prøvetaking?	YES
--	-----

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
98	NO DATA
145	NO GROUP DEFINED
145	SKAGERRAK FM
644	SMITH BANK FM
1930	ZECHSTEIN GP



Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
307	pdf	0.20

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
307_01_WDSS_General_Information	pdf	0.27

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
307_01_Drilling_report	pdf	5.16
307_02_Provisional_Geological_report	pdf	0.79
307_03_Composite_log	pdf	0.74
307_04_Geological_note_on_the_well	pdf	0.58
307_05_Well_prognosis	pdf	53.64
307_06_Lithological_study_and_sedimentological_interpretation	pdf	2.91
307_07_Drilling_program	pdf	6.97

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC GR	145	655
BHC GR	653	1726
BHC GR	1718	1964
CBL	300	1718
HDT	1718	1963
IES	653	1726
IES PS	1718	1963
SWC	737	1725
SWC	1732	1962





Foringsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
CONDUCTOR	30	145.0	36	145.0	0.00	LOT
SURF.COND.	13 3/8	653.0	17 1/2	653.0	0.00	LOT
INTERM.	9 5/8	1718.0	12 1/4	1720.0	0.00	LOT
OPEN HOLE		1972.0	8 1/2	1972.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
145	1.06	100.0		seawater	
580	1.15	70.0		waterbased	
1030	1.12	44.0		waterbased	
1442	1.21	50.0		waterbased	
1752	1.18	47.0		waterbased	
1972	1.18	47.0		waterbased	