



Generell informasjon

Brønnbane navn	2/6-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	2/6-1
Seismisk lokalisering	LINE 686201 SP. 30.
Utvinningstillatelse	008
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	21-L
Boreinnretning	OCEAN VIKING
Boredager	40
Borestart	21.04.1969
Boreslutt	30.05.1969
Frigitt dato	30.05.1971
Publiseringsdato	09.03.2009
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	29.0
Vanndybde ved midlere havflate [m]	69.0
Totalt målt dybde (MD) [m RKB]	3336.0
Maks inklinasjon [°]	2.5
Temperatur ved bunn av brønnbanen [°C]	95
Eldste penetrerte alder	LATE PERMIAN
Eldste penetrerte formasjon	ZECHSTEIN GP
Geodetisk datum	ED50
NS grader	56° 35' 52" N
ØV grader	3° 54' 55" E
NS UTM [m]	6273128.34
ØV UTM [m]	556201.47
UTM sone	31
NPDID for brønnbanen	160



Brønnhistorie

General

Well 2/6-1 is located on the north eastern slope of the Mandal High between the Søgne Basin and the Central Graben in the North Sea. It was drilled on a salt induced anticlinal structure. The objective of the well was to investigate the sedimentary section down to the Permian salt, and particularly to test the hydrocarbon potential of the Tertiary and Mesozoic sands.

Operations and results

Wildcat well 2/6-1 was spudded with the semi-submersible installation Ocean Viking on 21 April 1969 and drilled to TD at 3336 m in salt belonging to the Late Permian Zechstein Group. Down to 615 m the well was drilled with sea water as drilling fluid, and the returns were to the sea floor. From 615 m to TD a sea water/LFC type mud was used. The only significant drilling problem occurred at a depth of 3220 m in the top of the Mesozoic sands when the well kicked 6.35 m³ of water associated with a gas show. The flow rate was 20 m³/hr and the pressure was estimated to 480 kg/cm². The kick was killed with a 1.65 g/cm³ mud.

Forty meter of Middle and Late Jurassic sands revealed good reservoir properties, but contained no hydrocarbons. Average reservoir properties in these sands were 20% porosity and 140 mD permeability. The Tertiary sediments contained very little sand. Shows were described as follows: in the Paleocene siltstones and shales, a small chloroform cut was obtained on sidewall samples and in the Mesozoic sands, traces of bitumen occur and a chloroform cut was obtained. One conventional core of Jurassic sandstone was cut at 3223 to 3235 m. No wire line fluid samples were taken.

The well was permanently abandoned on 30 May 1969 as a dry well.

Testing

No drill stem test was performed.

Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3223.9	3232.5	[m]

Total kjerneprøve lengde [m]	8.6
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



3223-3227m



3227-3231m



3231-3233m

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
98	NORDLAND GP
1400	HORDALAND GP
2531	ROGALAND GP
2531	BALDER FM
2546	SELE FM
2579	LISTA FM
2627	VÅLE FM
2644	SHETLAND GP
2644	EKOFISK FM
2719	TOR FM
2950	HOD FM
3056	CROMER KNOLL GP
3056	RØDBY FM
3102	TYNE GP
3102	MANDAL FM
3217	VESTLAND GP
3217	ULA FM
3233	BRYNE FM
3256	NO GROUP DEFINED
3256	SMITH BANK FM
3302	ZECHSTEIN GP

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
160	pdf	0.42





Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
160_1	pdf	0.47

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
160_01_WDSS_General_Information	pdf	0.19

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
160_01_2_6_1_Completion_Report	pdf	3.93
160_02_2_6_1_Completion_log	pdf	1.81

Dokumenter - Sokkeldirektoratets publikasjoner

Dokument navn	Dokument format	Dokument størrelse [KB]
160_01_NPD_Paper_No.19_Lithology_Well_2_6_1	pdf	11.08
160_02_NPD_Paper_No.19_Interpreted_Lithology_log_Well_2_6_1	pdf	49.98

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL	150	547
CDM	592	3313
GR	98	592
IES	592	3334
SL BHC GR	592	3334
TEMP	50	2070





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	125.0	36	127.0	0.00	LOT
SURF.COND.	13 3/8	587.0	17 1/2	600.0	0.00	LOT
INTERM.	9 5/8	2100.0	12 1/4	2107.0	0.00	LOT
OPEN HOLE		3336.0	8 1/2	3336.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1238	1.38			waterbased	
2107	1.55			waterbased	
3091	1.55			waterbased	
3336	1.63			waterbased	

Tynnslip i Sökkeldirektoratet

Dybde	Enhet
3232.00	[m]
3225.00	[m]
3228.00	[m]
3224.00	[m]
3232.00	[m]
2350.00	[m]
2580.00	[m]