



Generell informasjon

Brønnbane navn	18/11-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	18/11-1
Seismisk lokalisering	LINE 72-18-6 SP.12
Utvinningstillatelse	008
Boreoperatør	Elf Petroleum Norge AS
Boretillatelse	104-L
Boreinnretning	DEEPSEA DRILLER
Boredager	43
Borestart	17.02.1974
Boreslutt	31.03.1974
Frigitt dato	31.03.1976
Publiseringsdato	25.04.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	116.0
Totalt målt dybde (MD) [m RKB]	2086.0
Temperatur ved bunn av brønnbanen [°C]	50
Eldste penetrerte alder	PRE-DEVONIAN
Eldste penetrerte formasjon	BASEMENT
Geodetisk datum	ED50
NS grader	58° 4' 21.3" N
ØV grader	4° 32' 0.1" E
NS UTM [m]	6437964.92
ØV UTM [m]	590452.02
UTM sone	31
NPDID for brønnbanen	343



Brønnhistorie

General

Well 18/11-1 is located on the Stavanger Platform, ca 25 km north of the Yme Field in the North Sea. The primary objective was to test possible hydrocarbon accumulation in Middle Jurassic sandstones in a seismic structure interpreted on the same trend as the 17/12-1R Bream Discovery. Secondary objectives were possible Triassic or Rotliegendes sandstones in a faulted triangular block tilted southwest. Planned TD was 150 -200 m below the primary target, prognosed at 2365 m.

The well is Reference Well for the Sandnes Formation.

Operations and results

Wildcat well 18/11-1 was spudded with the semi-submersible installation Deepsea Driller on 17 February 1974 and drilled to TD at 2086 m in Pre-Devonian Basement rocks.

Late Cretaceous limestones from 498 m to 985 m had excellent reservoir properties. Limestones below this level became harder; more compacted, and had poor reservoir properties. The well penetrated top Sandnes Formation at 1878 m with fine, argillaceous cemented, well sorted sandstone down to 1919 m, and a Bryne Formation sequence with fine to coarse, angular grained, sandstones with variegated shale from 1964 m to 2060 m. The Jurassic sands rested directly on basement at 2060 m. No noticeable shows were recorded in the well. Organic geochemical analysis proved a thermally immature well all through down to basement ($\%Ro < 0.36$). Good source potential (TOC in the range 1.3 % to 6 % and Hydrogen Index from 30 to 230 mg HC/g rock was seen in a ca 80 m thick Kimmeridgian shale sequence from 1735 m. High TOC in the range 1.3 % up to 6.9 % was seen also below 1919 m in Callovian claystones, but Hydrogen Index in the range 30 - 180 mg HC/g rock suggested a more inertinitic, gas prone kerogen in this sequence.

One conventional core was cut at TD from 2082 m to 2086 m. No fluid samples were taken.

The well was permanently abandoned on 31 March 1974 as dry hole.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
400.00	2080.00

Borekaks tilgjengelig for prøvetaking?	NO
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Borekjerne i Sokkeldirektoratet



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 9.5.2024 - 19:25

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2082.0	2086.0	[m]

Total kjerneprøve lengde [m]	4.0
Kjerner tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
420.0	[m]	DC	RRI
440.0	[m]	DC	RRI
460.0	[m]	DC	RRI
480.0	[m]	DC	RRI
500.0	[m]	DC	RRI
520.0	[m]	DC	RRI
540.0	[m]	DC	RRI
560.0	[m]	DC	RRI
580.0	[m]	DC	RRI
600.0	[m]	DC	RRI
1895.0	[m]	DC	
1950.0	[m]	DC	
2000.0	[m]	DC	
2050.0	[m]	DC	

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
141	NORDLAND GP
373	HORDALAND GP
463	ROGALAND GP
463	BALDER FM
486	SELE FM
492	LISTA FM
496	VÅLE FM
498	SHETLAND GP
498	EKOFISK FM
572	TOR FM



860	HOD FM
985	CROMER KNOLL GP
985	RØDBY FM
1135	SOLA FM
1325	ÅSGARD FM
1609	BOKNFJORD GP
1609	FLEKKEFJORD FM
1650	SAUDA FM
1747	TAU FM
1800	EGERSUND FM
1878	VESTLAND GP
1878	SANDNES FM
1964	BRYNE FM
2060	BASEMENT

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
343	pdf	0.17

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
343_1	pdf	6.03
343_2	pdf	0.47

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
343_01_WDSS_General_Information	pdf	0.25

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)





Dokument navn	Dokument format	Dokument størrelse [KB]
343_01_Geological_report_and_Completion_log	pdf	3.08
343_02_Sidewall_cores_description	pdf	0.59
343_03_Palynological_study_of_the_mesozoic	pdf	2.91

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC GR	376	819
BHC GR	804	1706
BHC GR	1550	1814
BHC GR	1802	2082
CBL	300	800
CBL	400	1801
FDC GR	1802	2081
GR	141	376
HDT	1802	2082
IES	376	820
IES	804	1814
IES	1802	2082
VELOCITY	376	2081

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	177.0	36	177.0	0.00	LOT
SURF.COND.	20	373.0	26	386.0	0.00	LOT
INTERM.	13 3/8	805.0	17 1/2	823.0	0.00	LOT
INTERM.	9 5/8	1805.0	12 1/4	1815.0	0.00	LOT
OPEN HOLE		2086.0	8 1/2	2086.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
823	1.23	43.0	4.0	waterbased	





Faktasider

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1503	1.28	52.0	8.0	waterbased	
1815	1.30	45.0	6.0	waterbased	
2082	1.32	45.0	6.0	waterbased	