



Generell informasjon

Brønnbane navn	25/8-12 A
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	BALDER
Funn	25/8-11 Ringhorne
Brønn navn	25/8-12
Seismisk lokalisering	
Utvinningstillatelse	027
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	955-L
Boreinnretning	MÆRSK JUTLANDER
Boredager	6
Borestart	09.06.1999
Boreslutt	19.06.1999
Frigitt dato	19.06.2001
Publiseringsdato	18.12.2002
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	EARLY JURASSIC
1. nivå med hydrokarboner, formasjon.	STATFJORD GP
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	127.0
Totalt målt dybde (MD) [m RKB]	2156.0
Totalt vertikalt dybde (TVD) [m RKB]	2083.0
Maks inklinasjon [°]	24.9
Temperatur ved bunn av brønnbanen [°C]	85
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	SMITH BANK FM



Geodetisk datum	ED50
NS grader	59° 17' 22.57" N
ØV grader	2° 26' 39.45" E
NS UTM [m]	6572584.32
ØV UTM [m]	468340.44
UTM sone	31
NPDID for brønnbanen	3772

Brønnhistorie

General

Well 25/8-12 A is a sidetrack from well 25/8-12 S, which encountered oil in Lower Jurassic, Upper Statfjord Formation sandstones. It was drilled to appraise the southern extension of the 25/8-11 Ringhorn discovery. In the Ringhorn structure, the BCU is also the base of the chalk and represents the overall top of the Lower Jurassic reservoir interval. The primary objective for well 25/8-12 A was Lower Statfjord Formation sandstones, in an eroded horst, fault block.

Operations and results

Appraisal well 25/8-12 A was drilled with the semi-submersible installation "Mærsk Jutlander". It was kicked off from 1014 m in the 8 1/2" section of 25/8-12 S on June 9, 1999 and drilled to TD at 2156 m in the Triassic Smith Bank Formation. The wellbore was drilled with oil based "Environment" mud. Top Statfjord Formation was found at 1945.7 m (1863.1 m TVD SS). Oil was encountered in Lower Statfjord Formation sandstones, as prognosed. Pressures and fluid sampling was undertaken with Schlumberger's Modular Dynamic Tester (MDT). Pressure measurements gave an oil gradient of 0.0719 bars/m (0.318 psi/ft), consistent with the oil gradient in the original 25/8-12 S wellbore (0.0749 bars/m) and in the 25/8-11 well (0.0741 bars/m). The oil and water gradients intersect to give an OWC at 1917.5 m TVD SS (2005 m MD RKB), in agreement with the Free Water Level defined in the 25/8-11. The deepest sands in the wellbore, the water bearing sands below 1970 m TVD SS, appear to record a separate, higher reservoir gradient. Four oil samples were collected in 450 cc MDT chambers at 1975 m, within the main Jurassic sand reservoir. No draw down was seen during the sampling. Temperature (measured, not static) ranged from 78.4 deg C to 79.3 deg C during the sampling. In addition to the 450 cc chambers, a single one-gallon chamber was filled with oil at the same depth. A one-gallon water sample was obtained at 2008.2 m. One core was cut in the interval 1951 - 1988.5 in the Statfjord Formation. Well 25/8-12 A was permanently abandoned on June 19 1999 as an oil appraisal well.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1600.00	2156.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1951.0	1988.5	[m]

Total kjerneprøve lengde [m]	37.5
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



1951-1956m



1956-1961m



1961-1966m



1966-1971m



1971-1976m



1976-1981m



1981-1986m



1986-1989m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1948.0	[m]	DC	RRI
1951.0	[m]	DC	RRI
1958.0	[m]	DC	RRI
2002.0	[m]	DC	RRI
2014.0	[m]	DC	RRI
2020.0	[m]	DC	RRI
2032.0	[m]	DC	RRI



Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
150	NORDLAND GP
560	UTSIRA FM
672	NO FORMAL NAME
728	HORDALAND GP
728	SKADE FM
954	NO FORMAL NAME
1155	GRID FM
1166	NO FORMAL NAME
1748	ROGALAND GP
1748	BALDER FM
1815	SELE FM
1875	LISTA FM
1915	VÅLE FM
1921	SHETLAND GP
1946	STATFJORD GP
2028	NO GROUP DEFINED
2028	SMITH BANK FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
3772	pdf	0.39

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
3772_25_8_12_A_COMPLETION_LOG	.pdf	2.04
3772_25_8_12_A_COMPLETION_REPORT	.pdf	76.15

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AIT-H DSI IPLT GR	986	2160





MDT GR	1948	2064
MWD - DIR	153	213
MWD - EWR4 DGR	213	2156
VSP	300	2150

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	211.0	36	213.0	0.00	LOT
INTERM.	9 5/8	990.0	12 1/4	990.0	0.00	LOT
OPEN HOLE		2156.0	8 1/2	2156.0	1.62	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
825	1.32	30.0		OIL (ENVIRON)	
860	1.33	30.0		OIL (ENVIRON)	
1340	1.32	30.0		OIL (ENVIRON)	
2156	1.32	27.0		OIL (ENVIRON)	

Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
3772 Formation pressure (Formasjonstrykk)	pdf	0.20

