



Generell informasjon

Brønnbane navn	30/6-25 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	30/6-25
Seismisk lokalisering	NH9201-iINLINE 753 & X-LINE 1221
Utvinningstillatelse	053
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	940-L
Boreinnretning	TRANSOCEAN LEADER
Boredager	42
Borestart	26.11.1998
Boreslutt	06.01.1999
Frigitt dato	06.01.2001
Publiseringsdato	11.04.2003
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.5
Vanndybde ved midlere havflate [m]	104.0
Totalt målt dybde (MD) [m RKB]	2988.3
Totalt vertikalt dybde (TVD) [m RKB]	2935.0
Maks inklinasjon [°]	28.7
Temperatur ved bunn av brønnbanen [°C]	106
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DRAKE FM
Geodetisk datum	ED50
NS grader	60° 30' 45.16" N
ØV grader	2° 43' 15.85" E
NS UTM [m]	6708684.75
ØV UTM [m]	484682.45
UTM sone	31
NPDID for brønnbanen	3578

**Brønnhistorie****General**

The main objectives of well 30/6-25 S was to test the potential, fluid types, and reservoir quality of the Brent Group on the Kappa structure, north of the Omega Nord structure in the Oseberg Sør area. The Kappa structure is located in a down faulted position to both the Oseberg Gamma and the Omega Nord structures. The main target was the lower Brent Group, with Oseberg Formation as the main reservoir. The well should furthermore acquire vital pressure data in order to identify likely pressure cell boundaries.

Operations and results

The exploration well 30/6-25 S was spudded on 26 November 1998 with the semi-submersible installation "Transocean Leader" and drilled deviated to a TD of 2988 m (2935m TVD RKB), 63 m TVD into the Early Jurassic Drake Formation. The well was drilled water based with bentonite down to 1046 m and with &AQUACOL& KCl/polyalkylene-glycol mud from 1046 m to TD. The Oseberg Formation was thinner and of poorer reservoir quality than expected, based on log data. The log quality was considered to be good. The Brent Group was penetrated twice which reveals that the well penetrates, at least, one fault. Both Ness and Oseberg Formations were remarkably thinner than expected. Oil shows were pointed out in the lower part of Tertiary and uppermost part of the Cretaceous. In the Brent Group only weak oil shows were observed, and consequently no movable hydrocarbons were stated. The formation pressure data indicate a water gradient similar to the gradient in ORELN on northern part of the Omega Nord structure. There is a water gradient of approximately 1 g/cc throughout the Oseberg, Rannoch, Etive and LN2 (ORELN2) Formations. The relative overpressure in the ORELN2 Formations is around 30 Bar. The water pressure in the Upper Ness sands is 2-3 bar less than the water gradient interpreted in the ORELN2 Formations. In the hydrocarbon filled Upper Ness Sands in well 30/9-3 A the pressure is approximately 10 bar lower than in the ORELN2 Formations. No cores were cut in the well and no fluid samples were taken. The well was permanently plugged and abandoned as a dry well with shows on 6 January 1999.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1050.00	2990.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
128	NORDLAND GP
595	UTSIRA FM
770	UNDIFFERENTIATED
878	HORDALAND GP
991	SKADE FM
1004	NO FORMAL NAME
1386	NO FORMAL NAME
1468	NO FORMAL NAME
2029	ROGALAND GP
2029	BALDER FM
2106	SELE FM
2149	LISTA FM
2253	VÅLE FM
2320	SHETLAND GP
2320	HARDRÅDE FM
2336	JORSALFARE FM
2526	KYRRE FM
2663	BRENT GP
2663	NESS FM
2699	ETIVE FM
2704	RANNOCH FM
2712	OSEBERG FM
2713	DUNLIN GP
2713	DRAKE FM
2830	BRENT GP
2830	NESS FM
2889	ETIVE FM
2904	RANNOCH FM
2916	OSEBERG FM
2918	DUNLIN GP
2918	DRAKE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
3578	pdf	0.28





Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
3578_1	pdf	1.94
3578_2	pdf	1.74
3578_3	pdf	1.94
3578_4	pdf	1.01

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
3578_30_6_25_S_COMPLETION_REPORT	.pdf	27.86

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CST GR	2580	2966
FMI HNGS ACTS	2574	2885
HALS TLD HGNS DSI GPIT ACTS	2564	2986
MDT GR	2669	2917
MWD - DPR GR DIR	128	2988
VSP GR	1800	2980

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	189.5	36	193.0	0.00	LOT
SURF.COND.	20	1037.0	26	1044.0	0.00	LOT
INTERM.	9 5/8	2564.0	12 1/4	2575.0	1.76	LOT
OPEN HOLE		2988.0	8 1/2	2988.0	0.00	LOT

Boreslam





Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Fløtegrense [Pa]	Type slam	Dato, måling
1046	1.20	32.0		WATER BASED	
1100	1.20	32.0		WATER BASED	
1614	1.45	43.0		WATER BASED	
1892	1.45	48.0		WATER BASED	
2040	1.48	44.0		WATER BASED	
2244	1.48	40.0		WATER BASED	
2371	1.48	49.0		WATER BASED	
2403	1.48	49.0		WATER BASED	
2539	1.50	49.0		WATER BASED	
2575	1.50	48.0		WATER BASED	
2578	1.35	46.0		WATER BASED	
2759	1.35	35.0		WATER BASED	
2915	1.35	40.0		WATER BASED	
2988	1.35	41.0		WATER BASED	

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]
3578 Formation pressure (Formasjonstrykk)	pdf	0.23

