



Generell informasjon

Brønnbane navn	30/6-27
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	OSEBERG
Funn	30/6-27
Brønn navn	30/6-27
Seismisk lokalisering	NH 154-15.NH 154-403
Utvinningstillatelse	053
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	1017-L
Boreinnretning	TRANSOCEAN ARCTIC
Boredager	23
Borestart	08.10.2001
Boreslutt	30.10.2001
Frigitt dato	30.10.2003
Publiseringsdato	18.12.2008
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	EARLY JURASSIC
1. nivå med hydrokarboner, formasjon.	STATFJORD GP
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	112.0
Totalt målt dybde (MD) [m RKB]	3432.0
Totalt vertikalt dybde (TVD) [m RKB]	3378.0
Maks inklinasjon [°]	26.6
Temperatur ved bunn av brønnbanen [°C]	124
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	STATFJORD GP
Geodetisk datum	ED50



NS grader	60° 33' 28.85" N
ØV grader	2° 40' 45.6" E
NS UTM [m]	6713759.60
ØV UTM [m]	482415.19
UTM sone	31
NPDID for brønnbanen	4425

Brønnhistorie

Well 30/6-27 is located a few km west of the Oseberg Field in the Northern North Sea. The main objective of the well was to prove sufficient volumes of oil and/or gas in The Statfjord Formation on the Kappa Nord structure for a joint sub sea development with the Kappa Main and Gamma Vest structures, and to confirm the seismic interpretation.

Operations and results

Wildcat well 30/7-26 was spudded with the semi-submersible installation Transocean Arctic on 8 October 2001 and drilled to TD at 3432 m (3378 m TVD RKB) in Late Triassic sediments of the Statfjord Formation. The well was vertical down to the 13 3/8" casing depth, but significant deviation from a vertical well path occurred below this depth. Maximum deviation, 26.6 deg, was recorded at 1946 m and at TD the displacement from the surface location was 287.5 m in an east-northeast direction. The well was drilled with seawater and hi-vis pills down to 1287 m and with Versavert oil based mud from 1287 m to TD.

Top reservoir was penetrated at 3101 m, 49 m shallower than prognosed. The uppermost 25 m of the Statfjord Formation may be missing due to a fault. The well proved two gas columns (respectively 25 m and 4 m) and two oil columns in the Upper Statfjord Formation. Gas-oil-contacts were interpreted at 3145 m (3067 m TVD SS) and 3162 m (3084 m TVD SS). The shallowest oil column had an oil-down-to contact at 3169 m (3091 m TVD SS). The second of these two oil columns was difficult to interpret because no obvious oil and water gradients could be derived from the pressure data. An oil-down-to contact was assumed at 3187 m (3109 m TVD SS), giving an oil column thickness of 25 m. A third oil column (5m) without gas cap was proven in the Lower Statfjord Formation at 3350 - 3355 m (3272 - 3277 m TVD SS).

One 27 m core, with 100 % recovery, was cut in the upper Statfjord Formation (3162 - 3189 m). MDT fluid sampling was performed at 3352.5 m (oil), 3202.5 m (water), 3179.5 m (oil showing on OFA), 3162.5 m (oil), 3150.5 m (oil), and 3129 m RKB (gas).

The well was permanently abandoned on 30 October 2001 as an oil and gas discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1300.00	3432.00



Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerner i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3162.0	3188.9	[m]

Total kjerneprøve lengde [m]	26.9
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
136	NORDLAND GP
652	UTSIRA FM
947	HORDALAND GP
1015	SKADE FM
1048	NO FORMAL NAME
1235	NO FORMAL NAME
1303	NO FORMAL NAME
1365	NO FORMAL NAME
1417	NO FORMAL NAME
2051	ROGALAND GP
2051	BALDER FM
2133	SELE FM
2241	LISTA FM
2377	VÅLE FM
2396	SHETLAND GP
2396	HARDRÅDE FM
2405	JORSALFARE FM
2670	KYRRE FM
2996	TRYGGVASON FM
3095	DUNLIN GP
3095	AMUNDSEN FM
3101	STATEJORD GP



Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
4425_1	pdf	0.29
4425_2	pdf	2.28

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
4425_30_6_27_COMPLETION_LOG	.PDF	8.01
4425_30_6_27_COMPLETION_REPORT	.PDF	1.35

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
GR MDT	3126	3404
GR MDT	3129	3352
GR VSP DSI	2185	2400
MWD - GR RES DENS NEU DIR	136	3432

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	196.0	36	198.0	0.00	LOT
SURF.COND.	13 3/8	1250.0	17 1/2	1256.0	0.00	LOT
INTERM.	9 5/8	3096.0	12 1/4	3102.0	0.00	LOT
OPEN HOLE		3446.0	8 1/2	3446.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
360	0.00			OIL BASED	
1287	1.39	16.0		WATER BASED	
2010	1.45	29.0		OIL BASED	
3061	1.50	30.0		OIL BASED	





3070	1.35	23.0		OIL BASED	
3432	1.35	26.0		OIL 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]
4425 Formation pressure (Formasjonstrykk)	pdf	0.22

