



Generell informasjon

Brønnbane navn	6407/6-2
Type	EXPLORATION
Formål	WILDCAT
Status	BLOWOUT
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6407/6-2
Seismisk lokalisering	ST 8402 - 123 SP. 750
Utvinningstillatelse	092
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	484-L
Boreinnretning	WEST VANGUARD
Boredager	3
Borestart	04.10.1985
Boreslutt	06.10.1985
Frigitt dato	06.10.1987
Publiseringsdato	13.12.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	22.0
Vanndybde ved midlere havflate [m]	221.0
Totalt målt dybde (MD) [m RKB]	524.0
Totalt vertikalt dybde (TVD) [m RKB]	504.0
Eldste penetrerte alder	PLIOCENE
Eldste penetrerte formasjon	NAUST FM
Geodetisk datum	ED50
NS grader	64° 42' 29.56" N
ØV grader	7° 40' 32.59" E
NS UTM [m]	7176774.36
ØV UTM [m]	436871.33
UTM sone	32
NPDID for brønnbanen	522



Brønnhistorie

General

Well 6407/6-2 was drilled on a structure in the western part of the block. The structure has two distinct highs, and the target for this well was on the northern high. The primary objective for the well was to test possible hydrocarbon accumulation in sandstones of middle Jurassic age (Fangst Group). Secondary objectives were seen in sands near base Cretaceous (Cromer Knoll Group), in Early Jurassic sandstones (Tilje Formation), in sandstones within the Åre Formation, and in the Triassic Grey- and Red Beds. The top hole and Tertiary sections of this well were expected to contain shallow gas, possibly at a depth of 570 m. Possibly, also swelling, overpressured Early Eocene Red/Brown claystone could be encountered. The prognosed depth was 4150 m, or rocks of Triassic age.

Operations and results

Wildcat well 6407/6-2 was spudded with the semi-submersible installation West Vanguard on 4 October 1985. It was abandoned at a depth of 523 m due to a blow out. The blow out probably was caused by gas from a shallow sand pocket at 505 m. Gas samples from the blow out were analysed and found to be gas generated by bacteria at shallow depths.

The 20" casing had not yet been set so the blow-out preventer (BOP) had not been installed when the incident happened. At 20:50 hours in the evening an increase in the penetration rate from 40 to 700 m/hour was observed. Drilling was immediately stopped and the bit pulled out of hole. The hole was circulated for 35 minutes. A 3-m³ mud loss was observed. After gas had been circulated out drilling of a 12 1/4" pilot commenced from 508 m to 516 m. Here background gas again increased. After again circulating out the gas drilling continued to 524 m where the drill string was pulled out 15 m for a new stand connection. The well now started flowing uncontrolled and pumping of kill mud started. This did not stop the blow out. Gas flowed onto the deck of the rig and at 23:20 hours the gas exploded. One person was killed and the platform was severely damaged.

The well was suspended on 6 October 1985.

Testing

No drill stem test was performed.

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
243	NORDLAND GP
243	NAUST FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
522_1	pdf	0.40





Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
522_01_WDSS_General_Information	pdf	0.20

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
522_01_Completionreport	pdf	0.94
522_02_Completionlog	pdf	0.17

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	318.0	36	323.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
323	1.06	2900.0	11.0	WATER BASED	07.10.1985
524	1.08	2900.0	11.0	WATER BASED	11.12.1985

