



Generell informasjon

Brønnbane navn	30/9-23
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	30/9-23
Seismisk lokalisering	NH05M01-BIN-inline4656 & crossline 8456
Utvinningstillatelse	104
Boreoperatør	StatoilHydro Petroleum AS
Boretillatelse	1265-L
Boreinnretning	TRANSOCEAN WINNER
Boredager	24
Borestart	29.07.2009
Boreslutt	21.08.2009
Frigitt dato	21.08.2011
Publiseringsdato	21.08.2011
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	26.0
Vanndybde ved midlere havflate [m]	114.0
Totalt målt dybde (MD) [m RKB]	2872.0
Totalt vertikalt dybde (TVD) [m RKB]	2872.0
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DUNLIN GP
Geodetisk datum	ED50
NS grader	60° 27' 32.76" N
ØV grader	2° 59' 7.64" E
NS UTM [m]	6702699.70
ØV UTM [m]	499199.97
UTM sone	31
NPDID for brønnbanen	6182

**Brønnhistorie****General**

The 30/9-23 Quest well was drilled on the Bjørgvin Arch in the Northern North Sea, between the Oseberg, Oseberg Sør, and the Brage Fields. Four reservoir levels were expected, the Intra Draupne sands, Sognefjord Formation, Fensfjord Formation and Brent Group sands. The main objective of the 30/9-23 well was to prove a commercial hydrocarbon accumulation in any of these levels.

Operations and results

Wildcat well 30/9-23 was spudded with the semi-submersible installation Transocean Winner on 28 July 2009 and drilled to TD at 2873 m in Early Jurassic sediments of the Dunlin Group. A 9 7/8" pilot hole was drilled below the 30" casing from 189 m to 510 m. The hole was opened to 17 1/2" and drilled down to 1007 m before setting the 13 3/8" casing. Returns were to seabed above 13 3/8" casing. No shallow gas was observed by the ROV at the wellhead or by the MWD while drilling the 36" hole, the 9 7/8" pilot hole, and the 17 1/2" hole. The well was drilled with seawater and bentonite sweeps down to 1003 m, and with Glydril mud from 1003 m to TD.

The geological prognosis was relatively accurate. The Base Cretaceous Unconformity, top Draupne Formation, was penetrated at 2214 m. A thin Draupne sand was encountered, although not of the quality expected. Sognefjord sand was present as prognosed. Fensfjord sand was encountered at prognosed depth, but the interval was thicker and more fine-grained than expected. Brent was found as prognosed. The well proved a dry Quest prospect, in all 4 reservoir levels. The pressure measurements showed water gradients in all reservoirs. In the Fensfjord Formation no pressure measurements could be achieved, due to tight formation. Brent was depleted with 50 bars, most severe in the connective Oseberg and Etive reservoirs.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 19 August as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1005.00	2873.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
140	NORDLAND GP
666	UTSIRA FM
832	HORDALAND GP
1860	ROGALAND GP
1860	BALDER FM
1940	SELE FM
1990	LISTA FM
2113	VÅLE FM
2119	SHETLAND GP
2119	HARDRÅDE FM
2201	CROMER KNOLL GP
2201	RØDBY FM
2206	ÅSGARD FM
2214	VIKING GP
2214	DRAUPNE FM
2283	SOGNEFJORD FM
2338	HEATHER FM
2501	FENSFJORD FM
2668	HEATHER FM
2678	KROSSFJORD FM
2717	BRENT GP
2755	NESS FM
2806	ETIVE FM
2812	RANNOCH FM
2814	OSEBERG FM
2845	DUNLIN GP

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DSI XPT	929	2873
MWD LWD - ARCFVRES6 TELESCOPE	191	2092
MWD LWD - ARCVRES6 GVR6 TELESCOP	2092	2873
PEX HRLA	2082	2873



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	189.0	36	192.0	0.00	LOT
PILOT HOLE		510.0	9 7/8	510.0	0.00	LOT
SURF.COND.	13 3/8	997.0	17 1/2	1003.0	1.64	LOT
INTERM.	9 5/8	2082.0	12 1/4	2092.0	1.72	LOT
OPEN HOLE		2873.0	8 1/2	2873.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1003	1.35	24.0		Glydril	
1005	1.27	14.0		Glydril	
1300	1.37	18.0		Glydril	
1955	1.40	18.0		Glydril	
2092	1.43	20.0		Glydril	
2424	1.25	15.0		Glydril	
2873	1.25	16.0		Glydril	