



Generell informasjon





Brønnbane navn	6604/2-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6604/2-1
Seismisk lokalisering	inline 3012 & crossline 2046 seismisk survey bg 0904m
Utvinningsstillatelse	522
Boreoperatør	BG Norge AS
Boretillatelse	1348-L
Boreinnretning	AKER BARENTS
Boredager	48
Borestart	21.03.2011
Boreslutt	07.05.2011
Frigitt dato	07.05.2013
Publiseringsdato	07.05.2013
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	40.0
Vanndybde ved midlere havflate [m]	1262.0
Totalt målt dybde (MD) [m RKB]	3551.0
Totalt vertikalt dybde (TVD) [m RKB]	3551.0
Maks inklinasjon [°]	1.4
Temperatur ved bunn av brønnbanen [°C]	121
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	SPRINGAR FM
Geodetisk datum	ED50
NS grader	66° 47' 1.79" N
ØV grader	4° 33' 34.85" E
NS UTM [m]	7408330.21
ØV UTM [m]	568606.89
UTM sone	31
NPDID for brønnbanen	6568



Brønnhistorie

General

Well 6604/2-1 was drilled on the Gullris prospect on the Gjallar Ridge in the Vøring Basin in the Norwegian Sea. The primary target of the well was the Cretaceous "Upper Sand Unit" in the Springar Formation. The prospect was associated with a brightening of seismic amplitudes generated by a class III AVO anomaly, believed to be caused by the presence of gas bearing turbidite sandstones. The Gullris trap relied on stratigraphic closure and was seen as the largest prospect in the PL522 License.

Operations and results

Wildcat well 6604/2-1 was spudded with the semi-submersible installation Aker Barents on 21 March 2011 and drilled to TD at 3551 m in the Late Cretaceous Springar Formation. A 9 7/8" pilot hole was drilled to check for shallow gas before re-entering and drilling the 26" hole. No shallow gas was encountered. The well was drilled with seawater and hi-vis sweeps down to 2279 m and with Versatec oil based mud from 2279 m to TD.

The major deviations from the stratigraphic prognosis were the Near Base Ooze (seismic marker), which was moved from 2092 m down to an actual 2248 m based on log responses in this interval, and top Tang Formation, which was prognosed at 2869 m but based on data from the biostratigraphical study was moved 213 m shallower, to 2656 m. Otherwise formation tops came in close to prognosis. The reservoir sand in the primary as well as two deeper Intra-Springar sand units were water-wet. The Upper Sand Unit had gross thickness of 78.9 m, a N/G of 0.48, and average porosity and permeability of 21.3% and 200 mD, respectively. The Middle Sand Unit of the Springar Formation had gross thickness of 46.3 m and a N/G of 0.16 and an average porosity of 17.6%. The Lower Sand Unit of the Springar Formation had gross thickness of 120.5 m and a N/G of 0.33 and an average porosity of 19.7%.

No shows were recorded in cuttings and sidewall core plugs during drilling and logging of the well.

No conventional cores were taken, only sidewall cores. MDT water samples were taken at 3115 m.

The well was permanently abandoned on 7 May 2011 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
2290.00	3551.00

Borekaks tilgjengelig for prøvetaking?	YES
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Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
DST		3115.00	0.00	WATER	19.04.2011 - 00:00	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
1302	NORDLAND GP
1302	NAUST FM
1478	KAI FM
1652	HORDALAND GP
1652	BRYGGE FM
2456	ROGALAND GP
2456	TARE FM
2656	TANG FM
3077	SHETLAND GP
3077	SPRINGAR FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
GPIT PPC MSIP GR	1302	3551
LWD - DI	1302	1395
LWD - GR RES DI	1395	2279
LWD - GR RES NEU DEN SON DI	1395	2279
LWD - NBGR GR RES NEU DEN CAL DT	2940	3551
LWD - NBGR GR RES NEU DEN SON DR	2279	2940
MDT GR	3115	3483
MSCT GR	3101	3254
MSCT GR	3259	3380
VSI GR	1302	3541

Foringsrør og formasjonsstyrketester



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 20.5.2024 - 03:34

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
CONDUCTOR	30	1394.0	36	1394.0	1.03	LOT
SURF.COND.	20	2274.0	26	2279.0	1.23	LOT
PILOT HOLE		2279.0	9 7/8	2279.0	0.00	LOT
INTERM.	9 5/8	2934.0	12 1/4	2940.0	0.00	LOT
OPEN HOLE		3551.0	8 1/2	3551.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1395	1.05	1.0		Spud Mud	
2071	1.10	1.0		Spud Mud	
2279	0.16	6.0		KCl/Poly/Glycol	
3460	1.22	16.0		Versamud	
3551	1.22	21.0		Versamud	
3551	1.23	16.0		Versamud	
3551	1.22	21.0		Versamud	
3551	1.17	17.0		Versamud	