



Generell informasjon

Brønnbane navn	25/6-5 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	25/6-5 S (Skirne Øst)
Brønn navn	25/6-5
Seismisk lokalisering	TO1301MR01-PSTM
Utvinningstillatelse	627
Boreoperatør	Total E&P Norge AS
Boretillatelse	1565-L
Boreinnretning	LEIV EIRIKSSON
Boredager	29
Borestart	13.03.2015
Boreslutt	10.04.2015
Frigitt dato	10.04.2017
Publiseringsdato	10.04.2017
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS/CONDENSATE
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	HUGIN FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	120.0
Totalt målt dybde (MD) [m RKB]	2520.0
Totalt vertikalt dybde (TVD) [m RKB]	2391.0
Maks inklinasjon [°]	35.2
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DUNLIN GP
Geodetisk datum	ED50
NS grader	59° 35' 27.12" N
ØV grader	2° 45' 39.45" E
NS UTM [m]	6606026.22



ØV UTM [m]	486501.87
UTM sone	31
NPDID for brønnbanen	7662

Brønnhistorie

General

Well 25/6-5 S was drilled to test the Skirne East prospect on the northern part of the Utsira High in the North Sea. The primary objective was to prove hydrocarbon presence, determine fluid nature and evaluate reservoir characteristics in the Hugin Formation, Middle Jurassic age. The reservoir was expected mainly sandy with good reservoir characteristics.

Operations and results

Wildcat well 25/6-5 S was spudded with the semi-submersible installation Leiv Eiriksson on 13 March 2015 and drilled to TD at 2520 m (2391 m TVD) m in the Early Jurassic Dunlin Group. No significant problem was encountered during drilling. During P&A heavy vibrations, pressure drops and erratic torque occurred when cutting wellhead and housing.

Lower section of cutter assembly was lost in hole. Anchored lines were disconnected prior to run a second cutter assembly. Same issues were encountered and finally a section of the BHA was lost in hole. It was decided to leave location and retrieve wellhead later with a vessel. The well was drilled with seawater and hi-vis pills down to 218 m, with Glydril mud from 218 m to 2378 m, and with KCl/polymer mud from 2378 m to TD.

Top Hugin Formation is at 2458 (2332 m TVD) and contain a 37 m thick sandy reservoir, gas/condensate bearing. A gas-water contact was established at 2468 m (2341 m TVD). No shows are recorded in the well other than in the hydrocarbon bearing Hugin reservoir.

No cores were cut and no fluid sample was taken in the well. LWD pressure measurements indicate that the water leg is 36.6 bar depleted compared to the initial aquifer pressure documented in the 25/5-3 (Skirne) exploration due to production from the Skirne Field.

The well was permanently abandoned on 10 April 2015 as a gas/condensate discovery. Recovery of the PGB and removal of the wellhead was achieved during 7-8 May 2015 by the LWI vessel Island Vanguard.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1211.00	2515.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
145	NORDLAND GP
575	UTSIRA FM
958	HORDALAND GP
2056	ROGALAND GP
2056	BALDER FM
2114	SELE FM
2174	LISTA FM
2289	TY FM
2367	SHETLAND GP
2387	CROMER KNOLL GP
2414	VIKING GP
2414	DRAUPNE FM
2426	HEATHER FM
2459	VESTLAND GP
2459	HUGIN FM
2496	DUNLIN GP

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
HRLA MSIP HNGS	1985	2521
LWD - GR FPWD CAL RES ND	2378	2520
LWD - PD GR DI PWD RES GR DT	1211	1398
LWD - PD GR DI PWD RES GR DT	1398	2378
LWD - PWD RES GR DI DT	218	1211
USIT CBL VDL GR	2085	2365

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	212.0	36	218.0	0.00	
INTERM.	13 3/8	1204.0	17 1/2	1211.0	0.00	
		1214.0		1214.0	1.52	FIT



LINER	9 5/8	2372.0	12 1/4	2378.0	0.00	
OPEN HOLE		2520.0	8 1/2	2520.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1211	1.25	13.0		Spud Mud	
1398	1.39	17.0		GLYDRIL	
1797	1.39	20.0		GLYDRIL	
2164	1.39	22.0		GLYDRIL	
2378	1.45	20.0		GLYDRIL	
2504	1.15	11.0		KCL/Polymer	
2520	1.03			GLYDRIL	
2520	1.44	15.0		GLYDRIL	
2520	1.14	11.0		KCL/Polymer	