



Generell informasjon

Brønnbane navn	15/3-12 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	15/3-12 S
Brønn navn	15/3-12
Seismisk lokalisering	PGS16M04-PGS16910VIK
Utvinningstillatelse	025
Boreoperatør	Equinor Energy AS
Boretillatelse	1797-L
Boreinnretning	WEST PHOENIX
Boredager	49
Borestart	03.12.2019
Boreslutt	20.01.2020
Plugget dato	20.01.2020
Frigitt dato	20.01.2022
Publiseringsdato	08.08.2022
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	HUGIN FM
Avstand, boredekk - midlere havflate [m]	38.6
Vanndybde ved midlere havflate [m]	109.0
Totalt målt dybde (MD) [m RKB]	3810.0
Totalt vertikalt dybde (TVD) [m RKB]	3691.0
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	SLEIPNER FM
Geodetisk datum	ED50
NS grader	58° 46' 53.25" N
ØV grader	1° 54' 13.44" E
NS UTM [m]	6516386.03



ØV UTM [m]	436616.94
UTM sone	31
NPDID for brønnbanen	8947

Brønnhistorie

General

Well 15/3-12 S was drilled to test the Sigrun East Hugin prospect on the Gudrun Terrace in the North Sea. The primary and secondary exploration targets for wildcat well 15/3-12 S were to prove petroleum in Middle Jurassic Hugin Formation reservoir rocks.

Operations and results

Wildcat well 15/3-12 S was spudded with the semi-submersible installation West Phoenix on 3 December 2019 and drilled to TD at 3810 m (3691 m TVD) m in the Middle Jurassic Sleipner Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 1010 m, with Glydril mud from 1010 m to 2374 m, and with Exploradrill oil-based mud from 2374 m to TD.

The well encountered three separate oil-filled reservoir zones from 3647 to 3660 m, 3680 to 3683 m, and 3703 to 3733 m in the Hugin Formation. The three zones lie on different pressure gradients. The reservoir zones mainly have moderate reservoir quality. The oil/water contacts were not penetrated in the well. Oil shows in the well were observed only in the Hugin Formation between 3652 to 3729 m.

Two cores were cut with 100% recovery in the Hugin and Sleipner formations. Core 1 was cut from 3652 to 3706 m and core 2 was cut from 3706 to 3760 m. The core-log depth shifts are 1.9 m for core 1 and 1.7 m for core 2. MDT fluid samples were taken at 3647.5 m (oil), 3681.1 m (oil), 3698 m (water), and 3704.2 m (oil).

The well was permanently abandoned on 14 January 2020 as an oil discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1020.00	3809.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	3652.0	3705.9	[m]



2	3706.0	3760.3	[m]
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Total kjerneprøve lengde [m]	108.2
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
148	NORDLAND GP
736	UTSIRA FM
966	HORDALAND GP
1169	SKADE FM
1726	GRID FM
2254	BALDER FM
2265	ROGALAND GP
2265	BALDER FM
2344	SELE FM
2408	LISTA FM
2531	HEIMDAL FM
2663	VÅLE FM
2673	TY FM
2769	SHETLAND GP
2801	JORSALFARE FM
3034	KYRRE FM
3133	TRYGGVASON FM
3340	BLODØKS FM
3353	HIDRA FM
3428	CROMER KNOLL GP
3428	RØDBY FM
3473	SOLA FM
3512	ÅSGARD FM
3573	VIKING GP
3573	DRAUPNE FM
3603	HEATHER FM
3647	VESTLAND GP
3647	HUGIN FM
3749	SLEIPNER FM



Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AIT PEX HNGS XPT	3494	3810
MDT	3647	3647
MDT	3681	3720
MWD - GR RES APWD DI	198	3760
MWD - GR RES SON APWD DI	2374	3496
SS QGEO	3300	3810
XPT CMR	3500	3810

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	36	196.0	42	196.0	0.00	
SURF.COND.	20	1003.0	26	1003.0	1.55	FIT
INTERM.	14	2365.0	17 1/2	2365.0	1.65	LOT
LINER	9 7/8	3495.0	12 1/4	3495.0	1.99	LOT
LINER	9 7/8	3605.0	12 1/4	3605.0	1.90	FIT
OPEN HOLE		3810.0	8 1/2	3810.0	0.00	