



Generell informasjon

Brønnbane navn	25/7-8 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	25/7-8 S (Enniberg)
Brønn navn	25/7-8
Seismisk lokalisering	CP19301-2009 / PGS16M01CPR19 IL:28464. XL:14592
Utvinningstillatelse	917
Boreoperatør	ConocoPhillips Skandinavia AS
Boretillatelse	1796-L
Boreinnretning	LEIV EIRIKSSON
Boredager	58
Borestart	13.11.2019
Boreslutt	09.01.2020
Plugget og forlatt dato	09.01.2020
Frigitt dato	09.01.2022
Publiseringsdato	08.08.2022
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	EARLY JURASSIC
1. nivå med hydrokarboner, formasjon.	NANSEN FM
2. nivå med hydrokarboner, alder	EARLY JURASSIC
2. nivå med hydrokarboner, formasjon	EIRIKSSON FM
3. nivå med hydrokarboner, alder	LATE TRIASSIC
3. nivå med hydrokarboner, formasjon	SKAGERRAK FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	126.5
Totalt målt dybde (MD) [m RKB]	3250.0
Totalt vertikalt dybde (TVD) [m RKB]	3213.0



Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	SKAGERRAK FM
Geodetisk datum	ED50
NS grader	59° 16' 32.93" N
ØV grader	2° 17' 14.84" E
NS UTM [m]	6571133.87
ØV UTM [m]	459389.02
UTM sone	31
NPDID for brønnbanen	8933

Brønnhistorie

**General**

Well 25/7-8 S was drilled to test the Enniberg prospect on the Heimdal Terrace in the North Sea. The primary objective was to prove petroleum in Early Jurassic and Late Triassic reservoir rocks (Nansen, Eiriksson and Skagerrak formations). A secondary objective was to prove petroleum in a potential Middle Jurassic sequence.

Operations and results

Wildcat well 25/7-8 S was spudded with the semi-submersible installation Leiv Eiriksson on 13 November 2019 and drilled to TD at 3250 m (3213.2 m TVD) m in the Late Triassic Skagerrak Formation. A 9 7/8" shallow gas pilot hole was drilled from the 36x30" conductor shoe at 217 m to 1075 m. No shallow gas or water was observed. Following wireline data acquisition at TD, the 25/7-8 S wellbore was plugged-back to 2750 m and bypass side-track 25/7-8 ST2 drilled to acquire cores. The side-track was kicked off at 2831 m. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 217 m, with KCl/Polymer/GEM mud from 217 m to 1129 m, and with Innover oil-based mud from 1129 m to TD.

In the primary exploration target, several oil and gas-bearing intervals with independent isolated columns were penetrated. In the Nansen Formation a total of 19 metres of sandstone with good reservoir properties was encountered. The sands were water bearing. The Eiriksson Formation contained a total of 20 metres of sandstone with moderate reservoir properties, of which 10 m are oil and gas-bearing. The Raude Formation had 11 m of gas bearing sandstone. In the Skagerrak Formation a total of 33 m of sandstone with moderate reservoir properties was encountered, of which 3 metres are gas-bearing.

In the secondary exploration target, both the Sleipner and Hugin formations were encountered. The Sleipner Formation had three thin gas-bearing sandstone intervals totalling 3 metres with moderate reservoir properties. The Hugin Formation contained several sandstone layers with moderate reservoir properties and a total net thickness of 30 metres. The Hugin Formation was water-bearing.

Intermittent oil shows, direct and cut fluorescence with occasional stain and weak odour, were observed in the intervals 2825 to 2895 m and 2978 to 3225 m.

Three cores were cut in succession from 2969 to 3134.24 m in the Amundsen, Nansen, Eiriksson and Raude formations in the bypass side-track 25/7-8 ST2. The recovery was 100%. The distance to the main wellbore is 5 m at top reservoir and 10 m at TD. After coring one petrophysical log was run on wireline (PEX-HNGS-GR). MDT samples were taken at 2977 m (water), 3040.9 m (wet gas), 3050 m (water), 3063 m (oil), 3079.1 m (wet gas), and 3116 m (wet gas),

The well was permanently abandoned on 9 January 2020 as an oil and gas discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
490.00	3250.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2969.0	3023.8	[m]
2	3023.8	3079.4	[m]
3	3079.4	3134.2	[m]

Total kjerneprøve lengde [m]	165.2
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
151	NORDLAND GP
483	UTSIRA FM
674	SKADE FM
674	NO FORMAL NAME
699	HORDALAND GP
699	NO FORMAL NAME
699	SKADE FM
1396	NO FORMAL NAME
1872	BALDER FM
1918	ROGALAND GP
1918	BALDER FM
2005	SELE FM
2031	HERMOD FM
2153	LISTA FM
2211	HEIMDAL FM
2355	TY FM
2494	SHETLAND GP
2494	EKOFISK FM
2537	JORSALFARE FM
2647	KYRRE FM
2697	TRYGGVASON FM
2743	BLODØKS FM
2755	ÅSGARD FM



2757	VIKING GP
2757	DRAUPNE FM
2770	HEATHER FM
2802	VESTLAND GP
2802	HUGIN FM
2847	SLEIPNER FM
2872	DUNLIN GP
2872	AMUNDSEN FM
2976	STATEFJORD GP
2976	NANSEN FM
2995	EIRIKSSON FM
3067	RAUDE FM
3120	HEGRE GP
3120	SKAGERRAK FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
HNGS PEX AIT	2661	3165
LWD - ATK ZT GCP OT TT ST	1042	2657
LWD - ATK ZT GOT	2738	2967
LWD - ATK ZT GOT LT	2964	3163
LWD - ATK ZTG OT ORD CCN TT ST	2561	3247
LWD - OT	151	208
LWD - OT II	201	1123
LWD - OT ST	183	1073
MDT GR	2857	3116
MDT GR	2977	3116
NEXT PEX HNGS CMR GR	2659	3250
NGI	2660	3249
XL ROCK	2973	3150
ZAIT MSIP XPT	1720	3216
ZVSP4	148	3182

Foringsrør og formasjonsstyrketester



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 14.5.2024 - 21:05

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
CONDUCTOR	36	217.0	42	217.0	0.00	
PILOT HOLE		1075.0	9 7/8	1075.0	0.00	
SURF.COND.	13 3/8	1123.0	17 1/2	1129.0	1.69	LOT
LINER	9 7/8	2659.0	12 1/4	2660.0	1.92	LOT
OPEN HOLE		3213.0	8 1/2	3213.0	0.00	