



Generell informasjon

Brønnbane navn	25/4-13 A
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	ALVHEIM
Funn	25/4-3 (Gekko)
Brønn navn	25/4-13
Seismisk lokalisering	DN15M01. IL 19552. XL 9026
Utvinningstillatelse	203
Boreoperatør	Aker BP ASA
Boretillatelse	1703-L
Boreinnretning	DEEPSEA STAVANGER
Boredager	11
Borestart	29.09.2018
Boreslutt	09.10.2018
Plugget og forlatt dato	09.10.2018
Frigitt dato	09.10.2020
Publiseringsdato	19.10.2020
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	PALEOCENE
1. nivå med hydrokarboner, formasjon.	HEIMDAL FM
Avstand, boredekk - midlere havflate [m]	30.0
Vanndybde ved midlere havflate [m]	121.0
Totalt målt dybde (MD) [m RKB]	2641.0
Totalt vertikalt dybde (TVD) [m RKB]	2190.0
Maks inklinasjon [°]	52.2
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	HEIMDAL FM
Geodetisk datum	ED50
NS grader	59° 30' 39.23" N



ØV grader	2° 4' 28.86" E
NS UTM [m]	6597460.60
ØV UTM [m]	447626.56
UTM sone	31
NPDID for brønnbanen	8486

Brønnhistorie

General

Well 25/4-13 A is a geological side-track to 25/4-13 S. The well was drilled to appraise the 25/4-3 Gekko discovery in the Vana Sub-basin in the North Sea. The primary objective was to confirm continuation of reservoir and hydrocarbons in the northern part of the Gekko structure.

Operations and results

Appraisal well 25/4-13 A was kicked off at 941 m in mainwell 25/4-13 S. The well was drilled with the semi-submersible installation Deepsea Bergen to TD at 2641 m (2190 m TVD) m in the Paleocene Heimdal Formation. Operations proceeded without significant problems. The well was drilled with Innovert oil-based mud from kick-off to TD.

Top of the target Heimdal Formation was penetrated at 2541 m (2104 m TVD). The Heimdal sands contained oil and gas but showed a more heterogenous character than in the southern part of Gekko, in well 25/4-13 S. The gas-oil contact was found at 2573.2 m (2131.6 m TVD) based on pressure gradient data, and the oil-water contact at 2582 m (2138 m TVD).

No oil shows are described in the well due to masking by the oil-based mud.

No cores were cut. Fluid samples were taken on wire line with the RDT tool at 2551 m (gas), 2577.02 m (oil), and 2580.07 m (oil). The oil samples were generally of high quality, with an OBM contamination of around 1%, while the gas sample had a contamination in the range 2-6%. Oil analysis show a density of 0.7084 g/cm³ and viscosity of 0.64cP at bubble-point.

The well was permanently abandoned on 9 October 2018 as an oil and gas appraisal well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
970.00	2641.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
151	NORDLAND GP
151	NO FORMAL NAME
364	UTSIRA FM
785	HORDALAND GP
785	NO FORMAL NAME
1284	GRID FM
1325	NO FORMAL NAME
2294	ROGALAND GP
2294	BALDER FM
2431	SELE FM
2493	LISTA FM
2541	HEIMDAL FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
GR RDT	2456	2641
MCI XSI	2456	2641
MWD LWD - GR RES PWD NEU DEN SON	945	2456
MWD LWD - GR RES PWD NEU SON FP	2456	2641
NGRT DSN SDL HDFT MRIL GEM	2456	2641

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
INTERM.	9 5/8	2455.0	12 1/4	2456.0	1.60	FIT
OPEN HOLE		2641.0	8 1/2	2641.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
959	1.36			Oil	



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 16.5.2024 - 03:25

2080	1.37			Oil	
2456	1.37			Oil	
2641	1.37			Oil	