Generell informasjon

Brønnbane navn	6608/10-18 B
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Felt	VERDANDE
Funn	6608/10-17 S Verdande
Brønn navn	6608/10-18
Seismisk lokalisering	Seismic 3D survey ST11M01. Inline 6201. Xline 5079
Utvinningstillatelse	128 D
Boreoperatør	Equinor Energy AS
Boretillatelse	1716-L
Boreinnretning	SONGA ENCOURAGE
Boredager	18
Borestart	16.09.2018
Boreslutt	03.10.2018
Plugget og forlatt dato	03.10.2018
Frigitt dato	03.10.2020
Publiseringsdato	03.10.2020
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	EARLY CRETACEOUS
1. nivå med hydrokarboner, formasjon.	LANGE FM
Avstand, boredekk - midlere havflate [m]	32.0
Vanndybde ved midlere havflate [m]	373.0
Totalt målt dybde (MD) [m RKB]	3585.0
Totalt vertikalt dybde (TVD) [m RKB]	3289.0
Maks inklinasjon [°]	36.7
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	LANGE FM
Geodetisk datum	ED50

NS grader	66° 6' 9.54'' N
ØV grader	8° 4' 23.11'' E
NS UTM [m]	7331847.61
ØV UTM [m]	458098.81
UTM sone	32
NPDID for brønnbanen	8508

Brønnhistorie

General

Well 6608/10-18 B is a geological side-track to well 6608/10-18 on the Revfallet Fault Complex in the Norwegian Sea. It was drilled to appraise the 6608/10-17 S Cape Vulture Discovery. The Cape Vulture Discovery consists of three Intra-Lange Formation sands, named the Cape Vulture Upper, Main, and Lower. The primary objective for 6608/10-18 B was to test the hydrocarbon potential and contacts in the Cape Vulture Main and Lower in a position down-flanks of well 6608/10-18.

Operations and results

Appraisal well 6608/10-18 B was kicked off at 1353 m in mainwell 6608/10-18 on 16 September 2018. It was drilled with the semi-submersible installation Songa Encourage to TD at 3585 m (3289 m TVD) in the Early Cretaceous Lange Formation. Operations proceeded without significant problems. The well was drilled with Enviromul oil-based mud from kick-off to TD.

Cape Vulture Main was penetrated from 3384 to 3429 m (3130 to 3163 m TVD), and Cape Vulture Lower from 3454 to 3459 m (3183 to 3187 m TVD). Both reservoirs were waterfilled. Combined pressure data from all three Cape Vulture appraisal wells indicated a hydrocarbon-water contact at ca 3100 m TVD MSL in Cape Vulture Main. Oil shows (direct and cut fluorescence) were described in Cape Vulture main and in thin sandstones in the interval 3525 m to TD.

No cores were cut. MDT fluid samples were taken at 3399.8 m and 3455.1 m. Water was sampled at both depths.

The well was permanently abandoned on 3 October 2018 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1370.00	3585.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
405	NORDLAND GP
405	NO FORMAL NAME
681	NAUST FM
1391	KAI FM
1653	HORDALAND GP
1653	BRYGGE FM
1903	ROGALAND GP
1903	TARE FM
1975	TANG FM
2007	SHETLAND GP
2007	SPRINGAR FM
2272	NISE FM
2900	KVITNOS FM
3076	CROMER KNOLL GP
3076	LYSING FM
3096	LANGE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT	3085	3565
MWD LWD - ARC TELE GR RES	1353	3585
PEX ECS CMR	3075	3582
XLROCK	3086	3457
ZAIT MSIP QGEO	3045	3582

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	442.0	36	456.5	0.00	
INTERM.	13 3/8	1340.4	17 1/2	1350.0	1.57	FIT
INTERM.	9 5/8	3045.0	12 1/4	3053.0	1.81	FIT
OPEN HOLE		3586.0	8 1/2	3586.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
590	1.48	24.0		Enviromul	
1350	1.48	32.0		Enviromul	
2069	1.48	35.0		Enviromul	
2858	1.48	24.0		Enviromul	
2858	1.58	33.0		Enviromul	
3053	1.48	25.0		Enviromul	
3069	1.58	20.0		Enviromul	
3585	1.58	29.0		Enviromul	