



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 29.5.2024 - 19:02

Brønnbane navn	6608/2-1 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6608/2-1
Seismisk lokalisering	RD1202-inline 1718 & crossline 5456
Utvinningstillatelse	330
Boreoperatør	RWE Dea Norge AS
Boretillatelse	1453-L
Boreinnretning	TRANSOCEAN WINNER
Boredager	143
Borestart	06.06.2013
Boreslutt	26.10.2013
Frigitt dato	26.10.2015
Publiseringsdato	26.10.2015
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	26.0
Vanndybde ved midlere havflate [m]	303.0
Totalt målt dybde (MD) [m RKB]	5634.0
Totalt vertikalt dybde (TVD) [m RKB]	5600.0
Maks inklinasjon [°]	18
Temperatur ved bunn av brønnbanen [°C]	202
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	LYR FM
Geodetisk datum	ED50
NS grader	66° 58' 7.03" N
ØV grader	8° 23' 37.61" E
NS UTM [m]	7428201.21
ØV UTM [m]	473532.27
UTM sone	32
NPDID for brønnbanen	7192



Brønnhistorie

General

Well 6608/2-1 S was drilled on the Sverdrup prospect on the northern part of the Utgard High in the Norwegian Sea. The primary objective was to test the hydrocarbon potential in the Middle Jurassic Fangst Group with secondary targets in the Early Jurassic Båt Group and the Late Cretaceous Nise Formation sands in the Shetland Group.

Operations and results

Wildcat well 6608/2-1 S was spudded with the semi-submersible installation Transocean Winner on 6 June 2013. A 9 7/8" pilot hole was drilled to 783 m where shallow gas was encountered. Because of the shallow gas the 20" casing was set shallow, at 714 m. The tool string stuck at 5073 m while reaming into hole after bit trip at 5263 m. The string was cut, leaving 192.5 m BHA in hole. A technical sidetrack 6608/2-1 S T2 was initiated at 11:00 hrs on 13 September. The kick-off point was at 4686 m in 6608/2-1 S. The T2 track was drilled to final TD at 5634 m (5600 m TVD) m in the Early Cretaceous Lyr Formation. The well was drilled with seawater and hi-vis sweeps down to 720 m, with Glydril mud from 720 m to 2770 m, and with EMS-4600 oil based mud from 2770 m to 5263 m in the primary well bore. The sidetrack was drilled with EMS-4600 oil based mud from kick-off at 4686 m to 4885 m and with WARP mud from 4885 m to TD.

There were a number of deviations from the proposed stratigraphy in this well. The Kai Formation was not present in the well. Instead, the Nordland Group consisted of a thicker than prognosed Naust Formation. The Early Cretaceous Cromer Knoll Group proved to be much thicker than prognosed. The Late Cretaceous Nise formation had no reservoir development within the wellbore while the Jurassic targets were absent/not reached. The well was dry with no shows.

No conventional cores were cut and no fluid samples were taken in the well bores. The temperatures encountered were higher than prognosed. Measured temperature was 149 °C (12 degrees higher than prognosed) at 4406 m TVD and 200 °C at 5566 m TVD.

The well was permanently abandoned on 26 October as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
730.00	5262.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
329	NORDLAND GP
329	NAUST FM
2528	HORDALAND GP
2528	BRYGGE FM
2638	ROGALAND GP
2638	TARE FM
2730	TANG FM
2740	SHETLAND GP
2740	SPRINGAR FM
2758	NISE FM
3247	KVITNOS FM
3762	CROMER KNOLL GP
3762	LANGE FM
5334	LYR FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - GR RES ECD DI	329	2784
LWD - GR RES ECD DI SON DEN NEU	2784	5634
MSCT	5150	5600
MSCT	5320	5375
ONB12 GPIT PPC MSIP PPC EDTC LEH	2600	4509
RT APS TLD HNGS GPIT EDTC LEHQT	2580	4509
VSI4	1148	4500
ZOQVSI GR	3585	5624

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	396.0	36	398.0	0.00	
SURF.COND.	20	714.0	26	720.0	0.00	
LINER	16	1799.0	20	1845.0	0.00	
INTERM.	13 3/8	2773.0	17 1/2	2784.0	0.00	



LINER	11 3/4	3026.0	14	3026.0	0.00	
INTERM.	9 5/8	4487.0	12 1/4	4500.0	0.00	
OPEN HOLE		5634.0	8 1/2	5634.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Fløtegrense [Pa]	Type slam	Dato, måling
780	1.26	11.0		Glydril	
1845	1.24	13.0		Glydril WBM	
2530	1.55	22.0		Glydril	
2773	1.55	22.0		Glydril WBM	
2792	1.62	43.0		EMS 4600 synthetic	
2998	1.70	39.0		EMS 4600 synthetic	
3026	1.72	38.0		EMS 4600 synthetic	
3039	1.62	24.0		EMS 4600 synthetic	
4245	1.76	52.0		WARP	
4500	1.69	39.0		EMS 4600 synthetic	
4896	1.82	39.0		WARP	
5634	1.82	42.0		WARP	