



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 10.5.2024 - 05:20

Brønnbane navn	15/9-19 S
Type	EXPLORATION
Formål	WILDCAT
Status	SUSPENDED
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	VOLVE
Funn	15/9-19 S Volve
Brønn navn	15/9-19
Seismisk lokalisering	ST 8215 R - 571 CROSSLINE 491
Utvinningstillatelse	046
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	749-L
Boreinnretning	TREASURE PROSPEC
Boredager	75
Borestart	18.11.1992
Boreslutt	31.01.1993
Frigitt dato	31.01.1995
Publiseringsdato	15.12.2006
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	22.0
Vanndybde ved midlere havflate [m]	84.0
Totalt målt dybde (MD) [m RKB]	3580.0
Totalt vertikalt dybde (TVD) [m RKB]	2405.8
Maks inklinasjon [°]	60.9
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	LISTA FM
Geodetisk datum	ED50
NS grader	58° 26' 9.25" N
ØV grader	1° 55' 47.05" E
NS UTM [m]	6477887.72
ØV UTM [m]	437506.71
UTM sone	31
NPDID for brønnbanen	2043



Brønnhistorie

General

Wildcat well 15/9-19 S was the first well to be drilled into the Theta Vest Structure north of the Sleipner East Field. It was designed to test gas from the Heimdal reservoir, and to provide geological and reservoir data enabling optimal reservoir management. The secondary target was the Hugin/Skagerrak Sands, which were to be fully evaluated if hydrocarbon bearing.

Operations and results

Well 15/9- 19 S was spudded with the semi-submersible installation Treasure Prospect on 18 November 1992, from Slot 3 of the Loke Discovery template. The well was deviated, penetrating the top of the Theta Vest structure approximately 2290 m west northwest of the Loke Template, and reached the target Top Heimdal Formation at 3622.5 m (2427.0 m TVD RKB). The 12 1/4" section from 1482 m to 3580 m was drilled with significant problems. Trips out of the hole at 2018 m, 3016 m and 3353 m were performed to change the bits, due to low penetration rate. The hole packed of several times when tripping out. Problems with lost returns and stuck BHA finally led to plugging back and sidetracking from 1493 m. Attempts to orientate the well became progressively more difficult, especially after penetrating 3308.5 m in the Balder Formation. The Lista Formation was encountered at 3483 m, and final TD was set at 3580 m, at the edge of the Heimdal Formation target. The well was drilled with bentonite mud down to 531 m, and with KCL/POLYMER (Phpa/pac) mud from 531 m to TD in the first hole. After sidetracking oil based mud (Petrofree) was used.

The well penetrated 150 m TVD of Tertiary sands between 1313 m and top Balder Formation at 3302 m.

It was temporarily suspended on 31 January 1993 after setting 9 5/8" casing at 3569.0 m (2394.0 m TVD RKB), immediately above the Heimdal sands. No cores were cut and no fluid samples taken in this well bore. It is classified as a dry well.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
3452.00	4640.00

Borekaks tilgjengelig for prøvetaking?	YES
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Kjernebilder



3643-3647m



4328-4333m



4338-4343m



4343-4348m



4348-4353m



4353-4354m



4355-4360m



4360-4365m



4365-4370m



4370-4375m



4375-4380m



4380-4383m

Palynologiske preparater i Søkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
3584.0	[m]	DC	RRI
3593.0	[m]	DC	RRI
3602.0	[m]	DC	RRI
3608.0	[m]	DC	RRI
3614.0	[m]	DC	RRI
3620.0	[m]	DC	RRI
3626.0	[m]	DC	RRI
3635.0	[m]	DC	RRI
3656.0	[m]	DC	RRI
3665.0	[m]	DC	RRI
3668.0	[m]	DC	RRI
3674.0	[m]	DC	RRI
3680.0	[m]	DC	RRI
3695.0	[m]	DC	RRI
3704.0	[m]	DC	RRI
3710.0	[m]	DC	RRI



3728.0	[m]	DC	RRI
3743.0	[m]	DC	RRI
3746.0	[m]	DC	RRI
3749.0	[m]	DC	RRI
3755.0	[m]	DC	RRI
3764.0	[m]	DC	RRI
3779.0	[m]	DC	RRI
3794.0	[m]	DC	RRI
3806.0	[m]	DC	RRI
3809.0	[m]	DC	RRI
3827.0	[m]	DC	RRI
3830.0	[m]	DC	RRI

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
106	NORDLAND GP
847	UTSIRA FM
1108	HORDALAND GP
1313	SKADE FM
1451	NO FORMAL NAME
3008	GRID FM
3240	NO FORMAL NAME
3302	ROGALAND GP
3302	BALDER FM
3403	SELE FM
3483	LISTA FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DIFL AC GR	3567	4602
MWD - DPR GR	3569	4638
MWD - MNP MDL GR	3589	4638
ZDL CN GR	3587	4602

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	166.0	36	166.0	0.00	LOT
SURF.COND.	20	531.0	26	531.0	0.00	LOT
INTERM.	13 3/8	1482.0	17 1/2	1484.0	0.00	LOT
INTERM.	9 5/8	3569.0	12 1/4	3572.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
215	1.37	8.0		SEAWATER/BENT.	
402	1.37	8.0		SEAWATER/BENT.	
2178	1.50	51.0		ULTIDRILL	
2213	1.50	49.0		ULTIDRILL	