



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 19.5.2024 - 22:55

Brønnbane navn	25/10-13 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	25/10-13
Seismisk lokalisering	MC3D-SVG11_Sharp reflection inline 8485 & xline 9327
Utvinningsstillatelse	571
Boreoperatør	Suncor Energy Norge AS
Boretillatelse	1580-L
Boreinnretning	BORGLAND DOLPHIN
Boredager	27
Borestart	22.05.2015
Boreslutt	19.06.2015
Frigitt dato	19.06.2017
Publiseringsdato	19.06.2017
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	31.0
Vanndybde ved midlere havflate [m]	119.0
Totalt målt dybde (MD) [m RKB]	2925.0
Totalt vertikalt dybde (TVD) [m RKB]	2746.0
Maks inklinasjon [°]	29.8
Temperatur ved bunn av brønnbanen [°C]	102
Eldste penetrerte alder	TRIASSIC
Eldste penetrerte formasjon	HEGRE GP
Geodetisk datum	ED50
NS grader	59° 9' 42.52" N
ØV grader	2° 14' 23.67" E
NS UTM [m]	6558469.10
ØV UTM [m]	456534.48
UTM sone	31
NPDID for brønnbanen	7704



Brønnhistorie

General

Well 25/10-13 S was drilled to test three prospective targets on the west flank of the Utsira High, west of the Balder and Grane fields in the North Sea. The primary exploration targets for the well were the Paleocene Ty formation (Havfrue prospect) and the Late Jurassic Intra Draupne Formation sandstone (Fomle Prospect). The secondary exploration target was to prove petroleum in Early Triassic reservoir rocks (Kong Triton Prospect).

Operations and results

Wildcat well 25/10-13 S was spudded with the semi-submersible installation Borgland Dolphin on 22 May 2015 and drilled to TD at 2925 m (2746 m TVD) m in Early Triassic sediments of the Hegre Group. A 9 7/8" Pilot Hole was initially drilled to a depth of 1076 m. No shallow gas was observed. The well was drilled directionally with a sail angle of approximately 28°; through the 12 1/4" and 8 1/2" sections (1076 m to TD). While drilling out the 9 5/8" casing shoe, the drill string became stuck and 50 tons maximum overpull was recorded to free the string. Simultaneous mud losses totalling 23 m³ was recorded. Logging at 8 1/2" TD was interrupted due to short-circuit in the cable. 1300 m of cable had to be cut before re-splicing the cable head and continuing the run. The well was drilled with seawater and hi-vis sweeps down to 1070 m and with XP-07 oil based mud from 1070 m to TD.

The well encountered a 35-metre thick layer of sandstone in the Ty formation. The Late Jurassic sandstones were not present in the well. Instead, a 81 meter thick (70.8 m TVD) Early Jurassic Statfjord Group was encountered underlying the BCU at 2474 m. Petrophysical analysis indicated 49.9 m TVD of net Statfjord Sandstone. Both primary targets had good reservoir quality. The well also penetrated 370 m of the Hegre Group. Petrophysical interpretation of the logging data recorded a gross Hegre reservoir interval of 30.8 m (27.2 m TVD), with 9.0 m TVD of net sand. All targets were water wet. No oil shows were recorded in any section of the well.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 19 June 2015 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1080.00	2925.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
150	NORDLAND GP
554	UTSIRA FM
1000	HORDALAND GP
1184	SKADE FM
1282	HORDALAND GP
1452	GRID FM
1470	HORDALAND GP
1948	ROGALAND GP
1948	BALDER FM
2011	SELE FM
2103	LISTA FM
2136	HEIMDAL FM
2192	LISTA FM
2211	VÅLE FM
2362	TY FM
2405	SHETLAND GP
2405	TOR FM
2430	HOD FM
2450	TRYGGVASON FM
2475	STATFJORD GP
2555	HEGRE GP

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
AIT GPIT MSIP PPC PEX HNGS XPT G	150	2928
LWD - ABG GP EWRP4 DGR PWD ALD C	2034	2924
LWD - ABG PCDC GP DGR EWRP4 PWD	1075	2035
LWD - DGR EWR P4 PWD XBAT DIR	150	1074
LWD - DGR PWR DIR	234	1063
LWD - DIR	150	215
MSCT	2166	2906
VSI4	923	2920



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	227.0	36	234.0	0.00	
INTERM.	13 3/8	1069.5	17 1/2	1076.0	1.90	LOT
PILOT HOLE		1076.0	9 7/8	1076.0	0.00	
INTERM.	9 5/8	2030.0	12 1/4	2035.5	1.62	LOT
OPEN HOLE		2925.0	8 1/2	2925.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
150	1.39	20.0		XP-07	
170	1.49	20.0		Displacement-/ Kill mud	
260	1.02			Sea water	
400	1.34	14.0		Displacement-/ Kill mud	
1035	1.39	15.0		XP-07	
1076	1.34	20.0		Displacement-/ Kill mud	
1387	1.39	19.0		XP-07 OBM 1.40 sg	
1635	1.39	18.0		XP-07 OBM 1.40sg	
2035	1.24	10.0		XP-07 OBM 1.25 sg	
2035	1.39	17.0		XP-07 OBM 1,40 Sg	
2318	1.24	11.0		XP-07 OBM 1.25 sg	
2437	1.24	14.0		XP-07 1.25 sg	
2925	1.24	11.0		XP-07	