



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 16.5.2024 - 01:36

Brønnbane navn	31/1-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	31/1-1
Seismisk lokalisering	MN9201R05-NH9401R05 inline 3252& MN9201R05-NH9401R05 xline 2874
Utvinningsstillatelse	311
Boreoperatør	Marathon Petroleum Norge AS
Boretillatelse	1166-L
Boreinnretning	BREDFORD DOLPHIN
Boredager	45
Borestart	02.01.2008
Boreslutt	15.02.2008
Frigitt dato	15.02.2010
Publiseringsdato	15.02.2010
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	341.0
Totalt målt dybde (MD) [m RKB]	2920.0
Totalt vertikalt dybde (TVD) [m RKB]	2920.0
Maks inklinasjon [°]	1.2
Temperatur ved bunn av brønnbanen [°C]	103
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	STATFJORD GP
Geodetisk datum	ED50
NS grader	60° 49' 8.86" N
ØV grader	3° 18' 54.13" E
NS UTM [m]	6742841.84
ØV UTM [m]	517136.60
UTM sone	31
NPDID for brønnbanen	5765



Brønnhistorie

General

Wildcat well 31/1-1 was drilled on the Bjørn prospect ca 10 km due west of the Troll West oil province. The primary target was the fluvial-deltaic Middle Jurassic Brent Group. Secondary targets were the underlying Lower Jurassic Cook and Statfjord Formations. Planned TD was 2977 m, or 100 m into the Early Jurassic Statfjord Formation.

Operations and results

The rig came on cost on the 22nd of December 2007. Prior to spud, 8 days were spent waiting on weather to set anchors. Well 31/1-1 was spudded on 2 January 2008 by the semi-submersible rig Bredford Dolphin. The well was drilled vertically to a TD at 2920m in the Early Jurassic Statfjord Formation. It was drilled with seawater down to 546 m, with KCl/glycol mud from 546 m to 1219 m, and with Performadril mud from 1219 m to TD.

Reservoir quality sands were encountered in the 3 targets zones but all were water bearing. Weak shows were recorded at 2414 to 2449 m in siltstone/sandstone of the Tarbert Formation, and at 2514 to 2564 m in sandstone of the Etive Formation.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 15 February 2008 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1220.00	2920.00

Borekaks tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
2033.0	[m]	DC	PETROSTR
2036.0	[m]	DC	PETROS
2039.0	[m]	DC	PETROS
2042.0	[m]	DC	PETROS
2045.0	[m]	DC	PETROS
2048.0	[m]	DC	PETROS
2051.0	[m]	DC	PETROS



2054.0	[m]	DC	PETROS
2057.0	[m]	DC	PETROS
2063.0	[m]	DC	PETROS
2066.0	[m]	DC	PETROS
2069.0	[m]	DC	PETROS
2072.0	[m]	DC	PETROS

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
366	NORDLAND GP
822	UTSIRA FM
840	HORDALAND GP
1670	ROGALAND GP
1670	BALDER FM
1736	SELE FM
1803	LISTA FM
1993	SHETLAND GP
1993	JORSALFARE FM
2040	CROMER KNOLL GP
2051	VIKING GP
2051	DRAUPNE FM
2055	SOGNEFJORD FM
2068	HEATHER FM
2415	BRENT GP
2415	TARBERT FM
2450	NESS FM
2514	ETIVE FM
2564	RANNOCH FM
2634	DUNLIN GP
2634	DRAKE FM
2691	COOK FM
2767	AMUNDSEN FM
2787	JOHANSEN FM
2882	STATFJORD GP

Logger



Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
GR RES CAL NEU DEN SON	580	2910
MWD - GR RES DIR ECD	433	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	433.0	36 1/4	433.0	0.00	LOT
SURF.COND.	13 3/8	1208.0	17 1/2	1219.0	0.00	LOT
INTERM.	9 5/8	2009.0	12 1/4	2020.0	1.49	LOT
OPEN HOLE		2920.0	8 1/2	2920.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1686	1.25	96.0		water based	
1845	1.25	95.0		water based	
2015	1.25	100.0		water based	
2020	1.30	109.0		water based	
2023	1.25	108.0		water based	
2062	1.25	56.0		water based	
2272	1.25	56.0		water based	
2586	1.25	56.0		water based	