



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 11.5.2024 - 17:07

Brønnbane navn	35/7-1 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	35/7-1
Seismisk lokalisering	Survey:MC3DMF367-R08-inline3014 & crossline 6288
Utvinningsstillatelse	377 S
Boreoperatør	Idemitsu Petroleum Norge AS
Boretillatelse	1356-L
Boreinnretning	AKER BARENTS
Boredager	95
Borestart	13.05.2011
Boreslutt	15.08.2011
Frigitt dato	15.08.2013
Publiseringsdato	15.08.2013
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	40.0
Vanndybde ved midlere havflate [m]	386.0
Totalt målt dybde (MD) [m RKB]	4825.0
Totalt vertikalt dybde (TVD) [m RKB]	4813.0
Maks inklinasjon [°]	9.2
Temperatur ved bunn av brønnbanen [°C]	168
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	AMUNDSEN FM
Geodetisk datum	ED50
NS grader	61° 21' 38.86" N
ØV grader	3° 13' 11.73" E
NS UTM [m]	6803157.24
ØV UTM [m]	511760.25
UTM sone	31
NPDID for brønnbanen	6599

**Brønnhistorie****General**

Well 35/7-1 S was drilled on the Apollon prospect on the Marflo Spur, west of the Vega Field in the Northern North Sea. The main objective for the well was to test the hydrocarbon potential in Tarbert, Ness and Etive formations sandstones of the Middle Jurassic Brent Group. The secondary objective was to prove hydrocarbons in the Lower Jurassic Cook Formation within the Dunlin Group. The well was designed with an S-shaped path to avoid a possible gas charged sand.

Operations and results

Well 35/7-1 S was spudded with the semi-submersible installation Aker Barents on 13 May 2011. A 9-7/8" pilot hole was drilled below the 30" casing shoe to section TD at 1414 m to check for shallow gas. No shallow gas was recorded. Severe mud losses were experienced when drilling the 17-1/2" section in the transition from Balder to Sele formations at 1855 m. Decision was made to plug back the existing 17-1/2" section and sidetrack the well from below the 20" casing shoe, at 1425 m. When the 12 1/4" section was drilled to just above prognosed section TD, an influx of 400 l was reported and the well shut-in. The well kill with 10 SPM was performed and was successful. This was however an extremely slow rate to kill such a long well and required an extensive amount of time. After the well kill, the 9 7/8" casing was run and cemented and the 35/7-1 ST2 technical sidetrack was drilled on without significant problems to TD at 4825 in the Early Jurassic Amundsen Formation. The well was drilled with seawater and hi-vis pills down to 511 m, with Glydril/KCl mud from 511 m to 1414 m in the primary well and to 1417 m in the sidetrack, with Versatec oil based mud from 1417 m to 3736 m and with Versatherm OBM from 3736 m to TD.

All stratigraphic tops for the well were encountered within the given depth uncertainty. Top Brent Group was encountered at 4293 m, 18 m shallower than prognosed; and top Cook Formation at 4669 m, 12.5 m deeper than prognosed. No producible hydrocarbons were encountered in the target Brent Group and Dunlin Formation sandstones. No oil shows were reported from the well.

No cores were cut, and a dry hole wire line program was executed. No wire line fluid samples were taken.

The well was permanently abandoned on 15 August 2011 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
520.00	1820.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
426	NORDLAND GP
933	UTSIRA FM
1062	HORDALAND GP
1173	SKADE FM
1514	GRID FM
1780	ROGALAND GP
1780	BALDER FM
1840	SELE FM
1860	LISTA FM
1977	VÅLE FM
1991	SHETLAND GP
1991	JORSALFARE FM
2203	KYRRE FM
3360	TRYGGVASON FM
3586	BLODØKS FM
3651	SVARTE FM
3726	CROMER KNOLL GP
3726	RØDBY FM
3814	SOLA FM
3850	ÅSGARD FM
3924	VIKING GP
3924	DRAUPNE FM
3974	HEATHER FM
4293	BRENT GP
4293	TARBERT FM
4340	NESS FM
4409	ETIVE FM
4454	RANNOCH FM
4515	DUNLIN GP
4515	DRAKE FM
4669	COOK FM
4771	BURTON FM
4782	AMUNDSEN FM

Logger



Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LDS APS HNGS GR LEHQT	3850	4825
MSCT GR LEH	3919	4478
MWD - ARCVIS SONVIS	512	2904
MWD - DI PWD	426	1414
MWD - GVR ECOS SONVIS	4340	4825
MWD - GVR STET ECOS SONVIS	3893	4340
MWD - PD ARCVIS SONVIS	2904	3893
QAIT IS PPC MSIP GR LIH	3780	4825
XPTH EDTC LEH	4294	4748

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	511.0	36	512.0	0.00	LOT
SURF.COND.	20	1408.0	26	1414.0	1.60	LOT
PILOT HOLE		1414.0	9 7/8	1414.0	0.00	LOT
INTERM.	13 3/8	2897.0	17 1/2	2904.0	1.76	LOT
INTERM.	9 5/8	3887.0	12 1/4	3893.0	1.95	LOT
OPEN HOLE		4825.0	8 1/2	4825.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
521	1.17	14.0		Glydril	
835	1.21	15.0		Glydril	
1414	1.29	16.0		Glydril	
1463	1.49	43.0		Versatec	
1855	1.34	30.0		Versatec	
2373	1.37	28.0		Versatherm	
2904	1.37	35.0		Versatec	
3435	1.70	40.0		Versatherm	
3893	1.67	49.0		Versatec	
4298	1.80	45.0		Versatherm	
4646	1.80	47.0		Versatherm	
4825	1.80	47.0		Versatherm	

