



Generell informasjon

Brønnbane navn	6507/8-5
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6507/8-5
Seismisk lokalisering	ST 8904-401 SP 350/ST 8002-494 SP 156
Utvinningstillatelse	124
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	670-L
Boreinnretning	ROSS RIG (2)
Boredager	15
Borestart	02.03.1991
Boreslutt	16.03.1991
Frigitt dato	16.03.1993
Publiseringsdato	08.03.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	332.0
Totalt målt dybde (MD) [m RKB]	2000.0
Totalt vertikalt dybde (TVD) [m RKB]	2000.0
Maks inklinasjon [°]	1.1
Temperatur ved bunn av brønnbanen [°C]	65
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	TILJE FM
Geodetisk datum	ED50
NS grader	65° 20' 36.75" N
ØV grader	7° 38' 4.7" E
NS UTM [m]	7247612.81
ØV UTM [m]	436442.87
UTM sone	32
NPDID for brønnbanen	1749



Brønnhistorie

General

Well 6507/8-5 was designed to drill the Omega prospect, a horst, located east of the Heidrun Field. Structurally the area is situated on the Sør High with the Halten Terrace to the southwest and the Trøndelag Platform to the East. The Omega horst had only a minor structural closure of 10-20 m, but assuming scaling capacity of a fault, a stratigraphic closure would exist both up-dip and further down-dip of the structural closure. The fault was prognosed with a maximum throw of 140 m on top Ror Formation level. The main objective of the well was to test the hydrocarbon and reservoir -potential of sandstones of the Middle/Early Jurassic Fangst Group supposed to be present on the downthrown eastern side of the fault. None of the nearby correlation wells penetrated highly over pressured formations. Shallow gas warnings were given for three levels in the interval 518 to 960 m.

Operations and results

Wildcat well 6507/8-5 was spudded with the semi-submersible installation Ross Rig on 3 March 1991 and drilled to TD at 2000 m MD in the Early Jurassic Tilje Formation. The well was drilled in 13 days without major problems. However, while drilling 9 7/8" pilot hole at 854 m shallow gas was encountered. The well was plugged back and a 13 3/8" casing was set above the gas. The well was drilled with seawater and hi-vis pills down to 818 m and with Gyp/PAC mud from 818 m to TD.

Six meter of the Late Cretaceous Shetland Group was encountered at 1781 m; otherwise the Cretaceous section was absent in the well. Three meter of Spekk was penetrated at 1787 m. It was described as silty carbonaceous claystone with traces of coal fragments. The potential reservoir sands of the Fangst and Båt Groups were penetrated but proved not to be hydrocarbon bearing. No shows were recorded in any section of the well, not even in the claystone of the Spekk Formation. One conventional core was cut in the interval 1856.7 m to 1884.5 m in the Not/Ile Formations. A total of 60 sidewall cores were attempted; 60 were recovered. No Fluid samples were taken. The well was permanently abandoned on 16 March 1991 at as a dry well.

Testing

No drill stem test was performed

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Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
860.00	2000.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1857.7	1879.3	[m]

Total kjerneprøve lengde [m]	21.6
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



1857-1862m



1862-1867m



1867-1872m



1872-1877m



1877-1879m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1354.0	[m]	SWC	STATO
1430.0	[m]	SWC	STATO
1490.0	[m]	SWC	STATO
1500.0	[m]	DC	STRAT
1520.0	[m]	DC	STRAT
1540.0	[m]	SWC	STATO
1553.0	[m]	SWC	STATO
1560.0	[m]	DC	STRAT
1578.0	[m]	SWC	STATO
1590.0	[m]	DC	STRAT
1600.0	[m]	SWC	STATO
1620.0	[m]	DC	STRAT
1635.0	[m]	SWC	STATO
1648.0	[m]	SWC	STATO
1653.0	[m]	SWC	STATO
1661.0	[m]	SWC	STATO
1670.0	[m]	DC	STRAT
1680.0	[m]	DC	STRAT
1705.0	[m]	SWC	STATO



1775.0 [m]	SWC	STATO
1788.0 [m]	SWC	STATO
1800.0 [m]	DC	STRAT
1803.0 [m]	SWC	STATO
1809.0 [m]	DC	STRAT
1818.0 [m]	DC	STRAT
1824.0 [m]	DC	STRAT
1827.0 [m]	SWC	STATO
1836.0 [m]	DC	STRAT
1860.0 [m]	DC	STRAT
1866.0 [m]	DC	STRAT
1872.0 [m]	DC	STRAT
1878.0 [m]	DC	STRAT
1884.0 [m]	DC	STRAT
1889.0 [m]	SWC	STATO
1895.0 [m]	SWC	STATO
1898.0 [m]	SWC	STATO
1900.0 [m]	SWC	STATO
1902.0 [m]	SWC	STATO
1908.0 [m]	DC	STRAT
1912.0 [m]	SWC	STATO
1917.0 [m]	DC	STRAT
1925.0 [m]	SWC	STATO
1929.0 [m]	DC	STRAT
1934.0 [m]	SWC	STATO
1935.0 [m]	DC	STRAT
1943.0 [m]	SWC	STATO
1945.0 [m]	SWC	STATO
1950.0 [m]	DC	STRAT
1956.0 [m]	DC	STRAT
1965.0 [m]	SWC	STATO
1985.0 [m]	SWC	STATO
1989.0 [m]	DC	STRAT
1995.0 [m]	DC	STRAT
2000.0 [m]	DC	STRAT

Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
356	NORDLAND GP
356	NAUST FM
1348	KAI FM
1578	HORDALAND GP
1578	BRYGGE FM
1712	ROGALAND GP
1712	TARE FM
1750	TANG FM
1781	SHETLAND GP
1787	VIKING GP
1787	SPEKK FM
1790	MELKE FM
1827	FANGST GP
1827	GARN FM
1854	NOT FM
1864	ILE FM
1900	BÅT GP
1900	ROR FM
1943	TILJE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1749	pdf	0.23

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1749_1	pdf	1.32

Dokumenter - eldre Søkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1749_01_WDSS_General_Information	pdf	0.39





1749 02 WDSS completion log	pdf	0.13
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Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1749 6507 8 5 COMPLETION REPORT AND LOG	pdf	9.76

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CST	850	1985
LDL CNL GR CAL	809	1990
MWD - DPR	425	2000
PI LSS GR CAL	809	1990
VSP	400	1980

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	417.0	36	418.0	0.00	LOT
INTERM.	13 3/8	808.0	17 1/2	810.0	1.50	LOT
OPEN HOLE		2000.0	12 1/4	2000.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
402	1.03			WATER BASED	04.03.1991
422	1.03	9.0	13.0	WATER BASED	04.03.1991
562	1.20	7.0	9.5	WATER BASED	05.03.1991
823	1.10	11.0	4.5	WATER BASED	07.03.1991
849	1.03	16.0	6.5	WATER BASED	06.03.1991
849	1.03	16.0	6.5	WATER BASED	06.03.1991
854	1.03	16.0	6.5	WATER BASED	06.03.1991
854	1.10	11.0	4.5	WATER BASED	07.03.1991





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 10.5.2024 - 12:00

1438	1.20	24.0	5.5	WATER BASED	11.03.1991
1620	1.26	17.0	4.0	WATER BASED	11.03.1991
1620	1.26	18.0	4.0	WATER BASED	13.03.1991
1620	1.26	18.0	4.5	WATER BASED	14.03.1991
1620	1.27			DUMMY	18.03.1991
1824	1.27	17.0	4.0	WATER BASED	11.03.1991
1885	1.27	18.0	4.0	WATER BASED	13.03.1991
2000	1.27			DUMMY	18.03.1991
2000	1.27	18.0	4.5	WATER BASED	14.03.1991