



Generell informasjon

Brønnbane navn	25/10-8
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	HANZ
Funn	25/10-8 Hanz
Brønn navn	25/10-8
Seismisk lokalisering	ESD 96-215 & SP. 323 /ESD 96-227 & SP. 5
Utvinningstillatelse	028 P
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	867-L
Boreinnretning	DEEPSEA TRYM
Boredager	50
Borestart	17.02.1997
Boreslutt	07.04.1997
Frigitt dato	07.04.1999
Publiseringsdato	15.11.2001
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	LATE JURASSIC
1. nivå med hydrokarboner, formasjon.	INTRA DRAUPNE FM SS
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	115.0
Totalt målt dybde (MD) [m RKB]	2653.0
Totalt vertikalt dybde (TVD) [m RKB]	2653.0
Maks inklinasjon [°]	2.7
Eldste penetrerte alder	EARLY PERMIAN
Eldste penetrerte formasjon	ROTLIEGEND GP
Geodetisk datum	ED50
NS grader	59° 1' 48.48" N



ØV grader	2° 13' 25.35" E
NS UTM [m]	6543817.16
ØV UTM [m]	455437.65
UTM sone	31
NPDID for brønnbanen	2955

Brønnhistorie

General

Well 25/10-8 was drilled with "Deep Sea Trym" to test the Hanz prospect with multiple targets. The well found gas and oil in the Upper Jurassic. A sidetrack, 25/10-8 A, was drilled to test the extension of this discovery to the east.

Operations and results

Exploration well 25/10-8 was spudded with the semi-submersible installation "Deepsea Trym" 17 February 1997 and drilled to a total depth of 2653 m in the Early Permian Rotliegend Group. Water based mud was used down to 1080 m and an AncoVert oil based mud from 1080 to TD. Well 25/10-8 found the Heimdal Fm to be water wet, the Upper Jurassic sands to contain gas and oil and the Middle Jurassic and Rotliegendes sands to be water wet. A core was cut from 2080 - 2107 m in the Heimdal Formation, a second core was cut from 2518 - 2546 m in Callovian Jurassic to Triassic sediments. After testing the well was plugged back to the 13 3/8" casing on 4 April 1997 as an oil and gas discovery. Sidetrack 25/10-8 A was kicked off from 1067 m and drilled to a total depth of 3460 m (2537 m TVD RKB) in Late Jurassic. An 8 1/2" hole was drilled to core point at 3110 m using oil based mud. Three cores were cut in the Late Jurassic; 3110 to 3147 m, 3147 to 3165 m, and 3165 to 3202 m. No wireline logs were run in well 25/10-8 A, only MWD. No fluid samples were taken. All reservoir sands were found water wet and sidetrack 25/10-8 A was permanently abandoned as a dry well on 27 April 1997.

Testing

Well 25/10-8 was perforated from 2391.4 - 2398.4 m in the Upper Jurassic. The drill stem test flowed 692 Sm³/D oil of density 0.84 g/cm³

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1090.00	2652.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2080.0	2107.9	[m]
2	2518.0	2546.5	[m]

Total kjerneprøve lengde [m]	56.4
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2080-2085m



2085-2090m



2090-2095m



2095-2100m



2100-2105m



2105-2107m



2518-2523m



2523-2528m



2528-2533m



2533-2538m



2538-2543m



2543-2546m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1400.0	[m]	DC	RRI
1420.0	[m]	DC	RRI
1430.0	[m]	DC	RRI
1440.0	[m]	DC	RRI
1450.0	[m]	DC	RRI



1460.0 [m]	DC	RRI
1470.0 [m]	DC	RRI
1480.0 [m]	DC	RRI
1490.0 [m]	DC	RRI
1500.0 [m]	DC	RRI
1510.0 [m]	DC	RRI
1520.0 [m]	DC	RRI
1530.0 [m]	DC	RRI
1540.0 [m]	DC	RRI
1550.0 [m]	DC	RRI
1560.0 [m]	DC	RRI
1580.0 [m]	DC	RRI
1600.0 [m]	DC	RRI
1610.0 [m]	DC	RRI
1620.0 [m]	DC	RRI
1630.0 [m]	DC	RRI
1640.0 [m]	DC	RRI
1650.0 [m]	DC	RRI
1660.0 [m]	DC	RRI
1670.0 [m]	DC	RRI
1680.0 [m]	DC	RRI
1690.0 [m]	DC	RRI
1700.0 [m]	DC	RRI
1710.0 [m]	DC	RRI
1720.0 [m]	DC	RRI
1730.0 [m]	DC	RRI
1750.0 [m]	DC	RRI
1760.0 [m]	DC	RRI
1770.0 [m]	DC	RRI
1780.0 [m]	DC	RRI
1790.0 [m]	DC	RRI
1800.0 [m]	DC	RRI
1810.0 [m]	DC	RRI
1820.0 [m]	DC	RRI
1830.0 [m]	DC	RRI
1840.0 [m]	DC	RRI
1850.0 [m]	DC	RRI
1860.0 [m]	DC	RRI
1870.0 [m]	DC	RRI
1880.0 [m]	DC	RRI



1890.0	[m]	DC	RRI
1900.0	[m]	DC	RRI
1920.0	[m]	DC	RRI
1930.0	[m]	DC	RRI
1940.0	[m]	DC	RRI
1950.0	[m]	DC	RRI
1960.0	[m]	DC	RRI
1970.0	[m]	DC	RRI
1980.0	[m]	DC	RRI
1990.0	[m]	DC	RRI
2000.0	[m]	DC	RRI
2010.0	[m]	DC	RRI
2020.0	[m]	DC	RRI
2030.0	[m]	DC	RRI
2040.0	[m]	DC	RRI
2050.0	[m]	DC	RRI
2060.0	[m]	DC	RRI
2070.0	[m]	DC	RRI
2080.0	[m]	DC	RRI
2122.0	[m]	DC	RRI
2131.0	[m]	DC	RRI
2137.0	[m]	DC	RRI
2161.0	[m]	DC	RRI
2170.0	[m]	DC	RRI
2179.0	[m]	DC	RRI
2182.0	[m]	DC	RRI
2191.0	[m]	DC	RRI
2200.0	[m]	DC	RRI
2210.0	[m]	DC	RRI
2270.0	[m]	DC	RRI
2360.0	[m]	DC	RRI

Oljeprøver i Søkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
DST	DST1	2392.00	2398.00		30.03.1997 - 09:20	YES



Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
140	NORDLAND GP
682	UTSIRA FM
794	NO FORMAL NAME
846	HORDALAND GP
846	SKADE FM
1020	UNDIFFERENTIATED
1107	NO FORMAL NAME
1232	UNDIFFERENTIATED
1551	GRID FM
1613	NO FORMAL NAME
1941	ROGALAND GP
1941	BALDER FM
1987	SELE FM
2047	LISTA FM
2077	HEIMDAL FM
2122	LISTA FM
2204	VÅLE FM
2209	SHETLAND GP
2209	EKOFISK FM
2266	TOR FM
2354	VIKING GP
2354	DRAUPNE FM
2372	INTRA DRAUPNE FM SS
2450	DRAUPNE FM
2511	VESTLAND GP
2511	HUGIN FM
2536	NO GROUP DEFINED
2577	ZECHSTEIN GP
2601	ROTLIEGEND GP

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
2955	pdf	0.45





Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
2955_1	pdf	1.96
2955_2	pdf	1.36

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
2955_25_10_8_COMPLETION_REPORT	pdf	80.09

Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsven til størrelse [mm]
1.0	2392	2398	15.9

Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstemperatur [°C]
1.0	24.000		25.000	94

Test nummer	Olje produksjon [Sm3/dag]	Gass produksjon [Sm3/dag]	Oljetetthet [g/cm3]	Gasstyngde rel. luft	GOR [m3/m3]
1.0	692		0.840	0.700	116

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBIL GR CHT	2345	2650
DPR - GR RES DIR	67	214
DPR - GR RES DIR	1070	2066
DPR - GR RES DIR	2235	2505
DPR - GR RES DIR	2505	2596





DPR - GR RES MDL MNP	2023	2235
DPR GRC MDL MNP	2356	2639
GR CCL	2241	2364
HDLL MAC DGR	1050	2649
MRIL ZDL CND DSL	1065	2637
RCI GR	2078	2629
RCI GR	2117	2528
RCI GR	2372	2397
SWC GR	1502	2598
VSP	460	2650

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	201.0	36	201.0	0.00	LOT
SURF.COND.	13 3/8	1067.0	17 1/2	1080.0	1.56	LOT
INTERM.	9 5/8	2249.0	12 1/4	2249.0	0.00	LOT
LINER	7	2653.0	8 1/2	2653.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
200	1.75			spud mud	
200	1.75			low solids	
1034	1.75			low solids	
1080	1.40	36.0		oil based	
1081	1.40	36.0		oil based	
1081	1.74			low solids	
1083	1.33	30.0		oil based	
1184	1.32	32.0		oil based	
1492	1.32	37.0		oil based	
1581	1.32	34.0		oil based	
1770	1.32	35.0		oil based	
1884	1.32	33.0		oil based	
2080	1.32	34.0		oil based	
2092	1.32	32.0		oil based	
2107	1.32	30.0		oil based	



2249	1.32	32.0		oil based	
2360	1.32	32.0		oil based	
2518	1.32	33.0		oil based	
2545	1.32	33.0		oil based	
2610	1.32	30.0		oil based	
2653	1.32	28.0		oil based	

Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
2955 Formation pressure (Formasjonstrykk)	pdf	0.22

