



Generell informasjon





Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 20.5.2024 - 21:00

Brønnbane navn	17/12-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	17/12-2 (Brisling)
Brønn navn	17/12-2
Seismisk lokalisering	LINE PG 58 0820 SP.822
Utvinningstillatelse	016
Boreoperatør	Phillips Petroleum Company Norway
Boretillatelse	92-L
Boreinnretning	OCEAN VIKING
Boredager	40
Borestart	31.08.1973
Boreslutt	09.10.1973
Frigitt dato	09.10.1975
Publiseringsdato	25.04.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	SANDNES FM
Avstand, boredekk - midlere havflate [m]	27.0
Vanndybde ved midlere havflate [m]	101.0
Totalt målt dybde (MD) [m RKB]	2334.0
Maks inklinasjon [°]	1.5
Eldste penetrerte alder	DEVONIAN
Eldste penetrerte formasjon	NO GROUP DEFINED
Geodetisk datum	ED50
NS grader	58° 8' 19.7" N
ØV grader	3° 42' 10.9" E
NS UTM [m]	6444526.45
ØV UTM [m]	541396.08
UTM sone	31
NPDID for brønnbanen	340



Brønnhistorie

General

Well 17/12-2 is located on the northwestern margin of the Egersund Basin in the North Sea, ca 14 km southwest of the 17/12-1R Discovery. The primary objective was to test Middle Jurassic and/or Triassic sands. Both had been found present in the 17/12-1R well where the Middle Jurassic sand was oil-bearing (Bream Discovery). The Triassic sands could be oil-bearing, especially if overlain by Jurassic shale. A secondary objective was seen in the Late Cretaceous limestones. Planned TD was at 3658 m (12000 ft) or 100 m into Zechstein salt.

Operations and results

Wildcat well 17/12-2 was spudded with Ocean Viking on 31 August 1973 and drilled to TD at 2334 m in Devonian sand.

No shows were present in the Late Cretaceous Limestone. An oil-bearing Jurassic sand 13 m thick (7 m net pay) was encountered at 2157 m. The Triassic was absent and the Jurassic Sandnes and Bryne Formations rested directly on a 50 m thick layer of Permian salt at 2243 m. Below the salt was a 7 m thick Rotliegendes sequence. Sandstone of possible Devonian age was encountered at 2300 m. This remnant Paleozoic feature caused the well to be terminated higher than originally anticipated.

One conventional core was cut at TD from 2330.8 m to 2333.9 m. No wire line fluid samples were taken.

The well was permanently abandoned on 9 October 1973 as an oil Discovery.

Testing

Two drill stem tests were carried out. DST1 from 2166 m to 2169 m produced 16 m³ water cushion and 1 m³ oil. After the final flow period water cushion and formation fluid was reversed out. DST2 from 2157 m to 2162 m produced at maximum 366 m³ oil and 31800 m³ gas / day. Gas-oil ratio was 87 m³/m³ and oil gravity was 27.9 °API.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
609.60	2333.24

Borekaks tilgjengelig for prøvetaking?	NO
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	7647.0	7656.0	[ft]

Total kjerneprøve lengde [m]	2.7
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Kjerner tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Søkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
7200.0	[ft]	DC	
7340.0	[ft]	DC	

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
93	NORDLAND GP
707	HORDALAND GP
924	ROGALAND GP
924	BALDER FM
951	SELE FM
957	LISTA FM
987	MAUREEN FM
991	SHETLAND GP
1476	CROMER KNOLL GP
1932	BOKNEFJORD GP
2157	VESTLAND GP
2157	SANDNES FM
2179	BRYNE FM
2243	ZECHSTEIN GP
2293	ROTLIEGEND GP
2300	NO GROUP DEFINED

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
340	pdf	0.24

Geokjemisk informasjon





Dokument navn	Dokument format	Dokument størrelse [KB]
340_1	pdf	0.37
340_2	pdf	1.32

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
340_01_WDSS_General_Information	pdf	0.33

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
340_01_Well_Completion_report	pdf	4.74
340_02_Composite_log	pdf	1.07

Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsven til størrelse [mm]
1.0	2166	2169	0.0
2.0	2157	2162	6.3

Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstemperatur [°C]
1.0				
2.0	4.000	3.000		

Test nummer	Olje produksjon [Sm3/dag]	Gass produksjon [Sm3/dag]	Oljetetthet [g/cm3]	Gasstyngde rel. luft	GOR [m3/m3]
1.0	1				
2.0	366	31820	0.887		87

Logger





Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC	478	1095
BHC-C	1083	2328
CBL	1981	2194
CDM	1829	2329
CDM AP	1828	2329
CDM PP	1828	2329
CDR	1829	2329
DL	2012	2328
FDC CAL	2012	2268
GR	101	478
IES	478	1098
IES	1083	2332
MUD	305	2334
SNP CAL	2012	2329
SRS	478	2327

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	154.0	36	155.0	0.00	LOT
SURF.COND.	20	493.0	26	495.0	0.00	LOT
INTERM.	13 3/8	1082.0	17 1/2	1084.0	0.00	LOT
INTERM.	9 5/8	2334.0	12 1/4	2334.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
493	1.04			SEAWATER	
701	1.11	48.0		waterbased	
1250	1.31	50.0		waterbased	
1740	1.31	43.0		waterbased	
1943	1.33	48.0		waterbased	
2333	1.34	47.0		waterbased	