



## Generell informasjon

Brønnbane navn	17/12-1 R
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	<a href="#">lenke til kart</a>
Hovedområde	NORTH SEA
Funn	<a href="#">17/12-1 Vette</a>
Brønn navn	17/12-1
Seismisk lokalisering	LINE 685 402 SP.160
Utvinningstillatelse	<a href="#">016</a>
Boreoperatør	Phillips Petroleum Company Norway
Boretillatelse	64-L2
Boreinnretning	<a href="#">OCEAN VIKING</a>
Boredager	100
Borestart	14.03.1972
Boreslutt	21.06.1972
Plugget og forlatt dato	21.06.1972
Frigitt dato	21.06.1974
Publiseringsdato	25.04.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	YES
Årsak til gjenåpning	DRILLING/PLUGGING
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]	115.0
Totalt målt dybde (MD) [m RKB]	4298.0
Totalt vertikalt dybde (TVD) [m RKB]	4298.0
Maks inklinasjon [°]	1.75
Temperatur ved bunn av brønnbanen [°C]	101
Eldste penetrerte alder	LATE PERMIAN
Eldste penetrerte formasjon	ZECHSTEIN GP
Geodetisk datum	ED50



NS grader	58° 11' 17.3" N
ØV grader	3° 56' 22.2" E
NS UTM [m]	6450188.44
ØV UTM [m]	555243.17
UTM sone	31
NPDID for brønnbanen	514

## Brønnhistorie



## General

Exploration well 17/12-1R was drilled on the northern margin of the Egersund Basin in the North Sea, towards the Åsta Graben. Its primary target was Jurassic sands with estimated top at 2161 m (7090 feet) and with 61 m (200 feet) thickness. Sand developments within the Early Cretaceous and Triassic sections were regarded as secondary objectives. Planned TD was 8 m (25 feet) into the Zechstein salt.

The top hole down to TD in the 26" section at 458 m, well 17/12-1, had been spudded and drilled the year before by the jack-up installation Mærsk Explorer.

Well 17/12-1R is Reference Well for the Egersund Formation.

## Operations and results

Well 17/12-1 was re-entered (17/12-1R) with the semi-submersible installation Ocean Viking on 14 March 1972 and drilled to TD at 4298 m, 165 m into the Late Permian Zechstein Formation. The well bore was drilled water based with a 3 % - 6 % diesel addition.

Top of the primary reservoir target was encountered in the Middle Jurassic at 2292 m. The reservoir section contained several sands separated by mudstone beds. The two uppermost sands in the Sandnes Formation were water wet. The next two sands below, in the Bryne Formation, yielded 162 Sm3 oil/day on a six hours test. The tests indicated an OWC between DST 1 and DST 7, i.e between 2337.2 m and 2344 m. No sands were encountered in the Early Cretaceous and sand development within the Triassic was limited to thin, fine to coarse grained, continental-type clastic beds. No conventional cores were cut and no fluid samples were taken on wire line. Twenty-six sidewall cores were recovered in the interval 1371 m to 2382 m.

The well was permanently abandoned on 21 June 1972 as an oil discovery.

## Testing

Three out of 7 DST's produced oil and gas to surface.

DST 1 perforated the interval 2337.2 m to 2341.4 m and produced 141 Sm3 oil /day on a 12/64" choke. GOR was 20.5 Sm3/Sm3 and oil gravity was 29 deg API.

DST 2 perforated the interval 2316.4 m to 2325.0 m and produced 80 Sm3 oil /day on a 1 1/2" choke. GOR was 48 Sm3/Sm3 and oil gravity was 34.1 deg API.

DST 5 and DST 6 perforated the intervals 2316.4m to 2325 m, 2331.7 m to 2332.9 m, and 2337.2 m to 2341.4 m. After acid treatment DST 5 was run with full water cushion. This test did not produce. DST 6 was run without water cushion, and after clean-up flow this test produced 162 Sm3 oil/day through an 8/64" choke based on a 6 hrs flow. GOR was Sm3/Sm3 and oil gravity was 32.4 deg API.

DST 3 (2308.6 m to 2314.7 m) and DST 4 (2295.1 m to 2304.3) in the two uppermost sands did not produce hydrocarbons. DST 7 perforated the interval from 2344 m to 2347.9 m and did not produce hydrocarbons.

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## Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
142	<a href="#">NORDLAND GP</a>



450	<a href="#">HORDALAND GP</a>
752	<a href="#">ROGALAND GP</a>
752	<a href="#">BALDER FM</a>
777	<a href="#">SELE FM</a>
778	<a href="#">LISTA FM</a>
781	<a href="#">VÅLE FM</a>
785	<a href="#">SHETLAND GP</a>
785	<a href="#">EKOFISK FM</a>
807	<a href="#">TOR FM</a>
1130	<a href="#">HOD FM</a>
1206	<a href="#">BLODØKS FM</a>
1210	<a href="#">CROMER KNOLL GP</a>
1210	<a href="#">RØDBY FM</a>
1339	<a href="#">SOLA FM</a>
1482	<a href="#">ÅSGARD FM</a>
1902	<a href="#">BOKNFJORD GP</a>
1902	<a href="#">FLEKKEFJORD FM</a>
1946	<a href="#">SAUDA FM</a>
2167	<a href="#">TAU FM</a>
2215	<a href="#">EGERSUND FM</a>
2290	<a href="#">VESTLAND GP</a>
2290	<a href="#">SANDNES FM</a>
2306	<a href="#">BRYNE FM</a>
2410	<a href="#">NO GROUP DEFINED</a>
2410	<a href="#">GASSUM FM</a>
2446	<a href="#">NO GROUP DEFINED</a>
2446	<a href="#">SKAGERRAK FM</a>
3965	<a href="#">SMITH BANK FM</a>
4133	<a href="#">ZECHSTEIN GP</a>

### Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
<a href="#">514</a>	pdf	0.46

### Geokjemisk informasjon





**Faktasider**  
**Brønnbane / Leting**

Utskriftstidspunkt: 15.5.2024 - 14:49

Dokument navn	Dokument format	Dokument størrelse [KB]
<a href="#">514_1</a>	pdf	0.28
<a href="#">514_2</a>	pdf	0.22
<a href="#">514_3</a>	pdf	0.42
<a href="#">514_4</a>	pdf	0.29
<a href="#">514_5</a>	pdf	1.41
<a href="#">514_6</a>	pdf	1.48

**Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter**

Dokument navn	Dokument format	Dokument størrelse [KB]
<a href="#">514_01_WDSS_General_Information</a>	pdf	0.24

**Borestrengtester (DST)**

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsven til størrelse [mm]
1.0	2337	2341	4.7
2.0	2316	2325	4.7
3.0	2316	2342	3.2

Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstemperatur [°C]
1.0				
2.0				
3.0				

Test nummer	Olje produksjon [Sm3/dag]	Gass produksjon [Sm3/dag]	Oljetetthet [g/cm3]	Gasstyngde rel. luft	GOR [m3/m3 ]
1.0	140	4813	0.880		34
2.0	80	4277	0.860		53
3.0	159	7000	0.860		44

**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	178.0	36	178.0	0.00	LOT
SURF.COND.	20	445.0	26	458.0	0.00	LOT
INTERM.	13 3/8	1084.0	17 1/2	1098.0	0.00	LOT
INTERM.	9 5/8	2408.0	12 1/4	2420.0	0.00	LOT
OPEN HOLE		4298.0	8 1/2	4298.0	0.00	LOT

### Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
176	1.07			seawater	
457	1.13			seawater	
1097	1.20	45.0		seawater	
2407	1.31	50.0		seawater	
3962	1.61	55.0		seawater	