



Generell informasjon

Brønnbane navn	31/6-8 R
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	TROLL
Funn	31/6-1 (Troll Øst)
Brønn navn	31/6-8
Seismisk lokalisering	NH 8202 - 338 SP. 249
Utvinningstillatelse	085
Boreoperatør	Norsk Hydro Produksjon AS
Boretillatelse	462-L2
Boreinnretning	TREASURE SEEKER
Boredager	63
Borestart	22.07.1985
Boreslutt	22.09.1985
Plugget og forlatt dato	22.09.1985
Frigitt dato	22.09.1987
Publiseringsdato	06.06.2006
Opprinnelig formål	APPRAISAL
Gjenåpnet	YES
Årsak til gjenåpning	TESTING/PLUGGING
Innhold	OIL/GAS
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	LATE JURASSIC
1. nivå med hydrokarboner, formasjon.	SOGNEFJORD FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	300.0
Totalt målt dybde (MD) [m RKB]	2138.0
Totalt vertikalt dybde (TVD) [m RKB]	2138.0
Maks inklinasjon [°]	2
Temperatur ved bunn av brønnbanen [°C]	79
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	COOK FM



Geodetisk datum	ED50
NS grader	60° 33' 21.36" N
ØV grader	3° 40' 39.07" E
NS UTM [m]	6713676.33
ØV UTM [m]	537156.05
UTM sone	31
NPDID for brønnbanen	493

Brønnhistorie

General

Appraisal well 31/6-8 R is a re-entry of well 31/6-8 in the south-west corner of the Troll East gas province. The objective of the re-entry was an elaborate testing program to obtain a number of reservoir engineering parameters.

Operations and results

Well 31/6-8 re-entered (31/6-8 R) on 22 July 1985 with the semi-submersible installation Treasure Seeker. The well was tested without significant technical problems. Operations took 63 days. After testing the well was plugged and permanently abandoned on 22 September 1985 as a gas and oil appraisal.

Testing

Various tests were performed, including a production test, a sand production test, and fracture testing. Test 1 was a production test from the interval 1537.6 m to 1557.6 m as a high-rate test on a special production string. The test produced through gravel pack at maximum 3900000 Sm³ gas /day on a double 2" choke, which was considered a world record for an offshore well. The liquid production at this rate was ca 105 Sm³, giving a gas/liquid rate of ca 137000 Sm³/Sm³. The maximum temperature during this test, from a gauge at 1528 m, was 68.5 deg. C.

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
325	NORDLAND GP
538	HORDALAND GP
985	ROGALAND GP
985	BALDER FM
1112	SELE FM
1224	LISTA FM
1256	SHETLAND GP
1256	HARDRÅDE FM
1264	UNDIFFERENTIATED
1371	CROMER KNOLL GP



1371	RØDBY FM
1385	ÅSGARD FM
1412	VIKING GP
1412	DRAUPNE FM
1485	HEATHER FM
1507	SOGNEFJORD FM
1661	HEATHER FM
1705	FENSFJORD FM
1927	KROSSFJORD FM
1965	HEATHER FM
1985	BRENT GP
2008	DUNLIN GP
2008	DRAKE FM
2025	COOK FM

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
493_01_31_6_8_R_Completion_report	pdf	2.95

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
530	0.00			WATER BASED	24.09.1985
946	1.16			WATER BASED	23.09.1985
1185	1.16			WATER BASED	23.09.1985
1414	1.16			WATER BASED	24.09.1985
1482	1.16			WATER BASED	23.09.1985
1512	1.16			WATER BASED	23.09.1985
1520	1.16			WATER BASED	24.09.1985
1530	1.16			WATER BASED	23.09.1985
1535	1.16			WATER BASED	23.09.1985
1535	1.16			WATER BASED	24.09.1985
1562	1.16			WATER BASED	23.09.1985
1570	1.16	15.0	14.0	WATER BASED	23.09.1985
1615	1.20	9.0	5.0	WATER BASED	23.09.1985
1615	1.03			WATER BASED	23.09.1985





1619	1.16			WATER BASED	23.09.1985
2138	1.20				23.09.1985

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 brønnspar. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
493_Formation_pressure_(Formasjonstrykk)	pdf	0.18

