



Generell informasjon





Brønnbane navn	17/9-1 R
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	17/9-1
Seismisk lokalisering	LINE N-9/C-315
Utvinningstillatelse	002
Boreoperatør	Esso Exploration and Production Norway A/S
Boretillatelse	93-L2
Boreinnretning	GLOMAR GRAND ISLE
Boredager	25
Borestart	18.05.1974
Boreslutt	11.06.1974
Plugget og forlatt dato	11.06.1974
Frigitt dato	11.06.1976
Publiseringsdato	25.04.2005
Opprinnelig formål	WILDCAT
Gjenåpnet	YES
Årsak til gjenåpning	DRILLING
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	9.0
Vanndybde ved midlere havflate [m]	159.0
Totalt målt dybde (MD) [m RKB]	3161.0
Totalt vertikalt dybde (TVD) [m RKB]	3161.0
Temperatur ved bunn av brønnbanen [°C]	62
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	SKAGERRAK FM
Geodetisk datum	ED50
NS grader	58° 28' 27.26" N
ØV grader	3° 50' 16.18" E
NS UTM [m]	6481963.51
ØV UTM [m]	548868.52
UTM sone	31
NPDID for brønnbanen	515



Brønnhistorie

General

Well 17/9-1R is located in the Åsta Graben in the North Sea, ca 30 km north of the 17/12 -1R Bream Discovery well. The primary objective was to evaluate sands at the base of the Jurassic sequence. The structure is not associated with mobile salt, which is the case for the Bream Discovery. The first entry was suspended on 6 November 1973 at 2816 m when the riser was lost in a storm. The re-entry 17/9-1R was made to recover and repair the damaged stack on the sea floor. A deeping program was designed to 3658 m to test the Triassic and possible Zechstein sand intervals. Also a complete logging program was designed to include the portion of original hole below 2616 m, which was not logged due to storm damage to drill ship.

Operations and results

Well 17/9-1 was re-entered (17/9-1R) with the drill ship Glomar Grand Isle on 12 May 1974. The broken BOP stack left on the original hole was recovered and repaired by divers. A total of 7 days and 11 lock-out dives in 159 m water depth were required for these operations. After successful re-entry well bore 17/9-1R was drilled to TD at 3161 m in Late Triassic sand and shale of the Skagerrak Formation. The well bore was drilled with a lignosulphonate/seawater mud from re-entry point to TD.

The upper section of the Skagerrak Formation, from 2999.2 m to 3029.7 m, had sandstone with apparent porosity and questionable traces of dead oil. Sands penetrated in the interval from 3109 m to TD had no shows. The sands were found in thin zones and the potential reservoir quality was considered very poor. Organic geochemical analyses detected no significant source rock potential in the re-entry; the Late Jurassic shales penetrated in the first entry (17/9-1) thus remain as the only significant source rock in the total well bore. The well was found immature; possibly marginally mature towards the Late Triassic at TD (%Ro = 0.5). One organic geochemical study (Robertson Research) inferred "traces of migrant oil stain" in the interval from 2078 m to 2661 m in 17/9-1.

One core from 3073.0 m to 3077.3 m was taken with full recovery. The recovery was a basaltic -volcanic conglomerate with inclusions of calcite, volcanic tuff, siltstone, shale, quartzite and large mica-flakes (biotite). Triassic red Shale and Sand was drilled immediately below the core to total depth with no shows. A total 46 out of 57 attempted sidewall cores were recovered from the interval 2232 m to 3146 m. No fluid samples were taken.

The decision was made to plug and abandon after penetrating the Late Triassic with no shows of hydrocarbons in the well. The well was permanently abandoned on 11 June 1974 as dry hole.

Testing

No drill stem test was performed.

Borekjerner i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	10082.0	10098.0	[ft]



Total kjerneprøve lengde [m]	4.9
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
168	NORDLAND GP
439	HORDALAND GP
695	ROGALAND GP
695	BALDER FM
719	SELE FM
731	LISTA FM
738	VÅLE FM
746	SHETLAND GP
789	TOR FM
1085	HOD FM
1195	BLODØKS FM
1220	CROMER KNOLL GP
1220	RØDBY FM
1354	SOLA FM
1464	ÅSGARD FM
1933	BOKNFJORD GP
1933	FLEKKEFJORD FM
1954	SAUDA FM
2165	TAU FM
2205	EGERSUND FM
2220	VESTLAND GP
2220	SANDNES FM
2237	NO FORMAL NAME
2835	NO GROUP DEFINED
2835	FJERRITSLEV FM
2992	NO GROUP DEFINED
2992	SKAGERRAK FM

Geokjemisk informasjon





Dokument navn	Dokument format	Dokument størrelse [KB]
515 1	pdf	0.22
515 2	pdf	1.91
515 3	pdf	4.45

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
515 01 Completion report and Completion I og	pdf	9.91

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
BHC-C	2545	3158
CDM	2113	3158
CDM AP	2113	3158
CDM FP	2113	3158
CDM PP	2113	3158
DIL	2545	3158
FDC CNL	2113	3158
IES	2545	3158
VELOCITY	410	3156

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
OPEN HOLE		3161.0	8 1/2	3161.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
3161	1.17			waterbased	

