



Generell informasjon

Brønnbane navn	34/7-15 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	34/7-15
Seismisk lokalisering	G/E 83 ROW 200 KOL 256
Utvinningstillatelse	089
Boreoperatør	Saga Petroleum ASA
Boretillatelse	638-L
Boreinnretning	TREASURE SAGA
Boredager	104
Borestart	23.05.1990
Boreslutt	03.09.1990
Frigitt dato	03.09.1992
Publiseringsdato	27.02.2004
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	26.0
Vanndybde ved midlere havflate [m]	306.0
Totalt målt dybde (MD) [m RKB]	4646.0
Totalt vertikalt dybde (TVD) [m RKB]	4333.0
Maks inklinasjon [°]	47.4
Temperatur ved bunn av brønnbanen [°C]	155
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	DRAKE FM
Geodetisk datum	ED50
NS grader	61° 24' 38.59" N
ØV grader	2° 12' 53.22" E
NS UTM [m]	6808951.10
ØV UTM [m]	458078.95
UTM sone	31
NPDID for brønnbanen	1544



Brønnhistorie

General

Well 34/7-15 S was the first well drilled on the east flank of the 34/7 block. This part of the block has mainly been subsiding during Late Jurassic, Early and Late Cretaceous on the Tampen high and hence not been exposed so heavily to the erosive events, whereas the structures elsewhere in the block have suffered periods of erosion and non-deposition. The westward tilting of the Tampen area developed in these periods, and a large part of the erosion products were deposited to the west. The eastern flank received coarse clastic sediments, developed as fans next to the Inner Snorre Fault. The Middle Jurassic Brent Group probably shows the same development as elsewhere in the Tampen area. Seismic anomalies indicate possibilities for shallow gas. The primary objectives of well 34/7-15 S were to test the prospectivity of the Brent Group, and thereby test the sealing capacity of the Inner Snorre Fault; to test the stratigraphy and prospectivity of the Early Cretaceous and Late Jurassic sediments; and to obtain better seismic and velocity control of the Cretaceous and Jurassic sediments. The well fulfilled the work commitment of PL 089.

Operations and results

Wildcat well 34/7-15 S was spudded with the semi-submersible rig Treasure Saga 23 May 1990 and drilled to TD at 4646 m in the Early Jurassic Drake Formation. The well was drilled as a deviated well to the east with kick-off point at 2900 m. It was drilled with seawater and gel down to 1038 m and with KCl mud from 1038 m to TD. No shallow gas was encountered.

The sandstones of the Brent Group (Tarbert Formation) came in at 4376 m. Oil shows were recorded in thin Intra Draupne and Intra Heather Sandstones. The Brent Group proved to be water bearing with some insignificant oil shows. A total of 250 sidewall cores were attempted and 151 cores were recovered. One core was cut in the Tarbert Formation from 4379 m to 4394 m. One FMT segregated sample was taken at 3599.5 m in one of the Intra Draupne Formation Sandstones. It recovered water and mud. The well was permanently abandoned 3 September 1990 as a dry hole with shows.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
440.00	4644.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerner i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	4379.0	4393.2	[m]

Total kjerneprøve lengde [m]	14.2
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
332	NORDLAND GP
1100	UTSIRA FM
1114	HORDALAND GP
1367	NO FORMAL NAME
1450	NO FORMAL NAME
1804	ROGALAND GP
1804	BALDER FM
1832	LISTA FM
1977	SHETLAND GP
1977	JORSALFARE FM
2246	KYRRE FM
2957	SVARTE FM
3165	CROMER KNOLL GP
3165	ÅSGARD FM
3397	MIME FM
3440	VIKING GP
3440	DRAUPNE FM
3550	INTRA DRAUPNE FM SS
3555	DRAUPNE FM
3581	INTRA DRAUPNE FM SS
3590	DRAUPNE FM
3597	INTRA DRAUPNE FM SS
3601	DRAUPNE FM
3656	INTRA DRAUPNE FM SS
3667	DRAUPNE FM
3675	INTRA DRAUPNE FM SS
3677	DRAUPNE FM
3802	INTRA DRAUPNE FM SS



3805	DRAUPNE FM
3846	INTRA DRAUPNE FM SS
3848	DRAUPNE FM
3855	HEATHER FM
3901	INTRA HEATHER FM SS
3908	HEATHER FM
4120	INTRA HEATHER FM SS
4123	HEATHER FM
4168	INTRA HEATHER FM SS
4172	HEATHER FM
4376	BRENT GP
4376	TARBERT FM
4434	NESS FM
4460	ETIVE FM
4513	RANNOCH FM
4571	DUNLIN GP
4571	DRAKE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1544	pdf	0.66

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1544_1	pdf	1.49

Dokumenter - eldre Sökkeldirektoratets WDSS rapporter og andre relaterte dokumenter

Dokument navn	Dokument format	Dokument størrelse [KB]
1544_01_WDSS_General_Information	pdf	0.23
1544_02_WDSS_completion_log	pdf	0.25





Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1544_34_7_15_S_COMPLETION_REPORT_AND_LOG	pdf	18.12

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CBL VDL GR	358	2604
CBL VDL GR	2316	3922
CBL VDL GR	3817	4455
CDL CNL GR	2604	3935
CORGUN	0	0
CORGUN	0	0
CORGUN	0	0
DIFL ACL CDL GR	953	2604
DIFL ACL CDL GR	4455	4646
DIFL ACL GR	3785	4431
DIFL CDL CNL GR	3919	4482
DIPLOG	2609	3910
DLL ACL GR	2604	3933
FMT	3554	3906
FMT	3921	4439
MWD - GR RES DIR	428	4487
VSP	800	4590

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	428.0	36	433.0	0.00	LOT
INTERM.	20	954.0	26	970.0	1.93	LOT
INTERM.	13 3/8	2606.0	17 1/2	2621.0	1.73	LOT
INTERM.	9 5/8	3921.0	12 1/4	3936.0	1.98	LOT
LINER	7	4455.0	8 1/2	4487.0	1.65	LOT
OPEN HOLE		4646.0	5 7/8	4646.0	0.00	LOT





Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
358	1.05			WATER BASED	06.06.1990
432	1.05			WATER BASED	06.06.1990
433	1.05			WATER BASED	06.06.1990
433	1.05			WATER BASED	06.06.1990
433	1.05			WATER BASED	06.06.1990
687	1.12	12.0	36.0	WATER BASED	06.06.1990
970	1.15	6.0	28.0	WATER BASED	06.06.1990
970	1.18	8.0	34.0	WATER BASED	06.06.1990
970	1.18	8.0	34.0	WATER BASED	06.06.1990
970	1.10			WATER BASED	06.06.1990
970	0.00			WATER BASED	06.06.1990
1038	1.12	26.0	12.0	WATER BASED	11.06.1990
1381	1.20	29.0	9.0	WATER BASED	11.06.1990
1709	1.20	32.0	11.0	WATER BASED	11.06.1990
1999	1.27	28.0	9.0	WATER BASED	11.06.1990
2120	1.30	36.0	10.0	WATER BASED	11.06.1990
2230	1.38	37.0	14.0	WATER BASED	18.06.1990
2350	1.42	38.0	14.0	WATER BASED	18.06.1990
2420	1.42	30.0	12.0	WATER BASED	18.06.1990
2555	1.45	46.0	13.0	WATER BASED	18.06.1990
2839	1.45	28.0	15.0	WATER BASED	28.06.1990
2839	1.45	28.0	15.0	WATER BASED	04.07.1990
2900	1.45	27.0	13.0	WATER BASED	04.07.1990
2900	1.45	27.0	13.0	WATER BASED	28.06.1990
2956	1.45	34.0	31.0	WATER BASED	04.07.1990
2956	1.45	34.0	31.0	WATER BASED	28.06.1990
2990	1.45	37.0	35.0	WATER BASED	28.06.1990
2990	1.45	37.0	35.0	WATER BASED	04.07.1990
3057	1.45	34.0	36.0	WATER BASED	28.06.1990
3057	1.45	34.0	36.0	WATER BASED	04.07.1990
3153	1.45	33.0	32.0	WATER BASED	04.07.1990
3153	1.45	33.0	32.0	WATER BASED	28.06.1990
3236	1.45	33.0	31.0	WATER BASED	28.06.1990
3236	1.45	33.0	31.0	WATER BASED	04.07.1990
3351	1.48	31.0	36.0	WATER BASED	04.07.1990
3376	1.48	31.0	36.0	WATER BASED	04.07.1990



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 12.5.2024 - 14:38

3404	1.48	34.0	37.0	WATER BASED	04.07.1990
3520	1.50	34.0	38.0	WATER BASED	04.07.1990
3581	1.52	34.0	34.0	WATER BASED	04.07.1990
3599	1.58	34.0	34.0	WATER BASED	01.08.1990
3639	1.52	33.0	31.0	WATER BASED	04.07.1990
3639	1.52	35.0	39.0	WATER BASED	05.07.1990
3639	1.52	35.0	36.0	WATER BASED	09.07.1990
3678	1.54	37.0	36.0	WATER BASED	10.07.1990
3701	1.58	35.0	31.0	WATER BASED	12.07.1990
3701	1.58	33.0	30.0	WATER BASED	12.07.1990
3729	1.54	39.0	37.0	WATER BASED	10.07.1990
3729	1.54	36.0	35.0	WATER BASED	10.07.1990
3734	1.58	33.0	31.0	WATER BASED	13.07.1990
3747	1.58	31.0	25.0	WATER BASED	16.07.1990
3768	1.58	33.0	29.0	WATER BASED	16.07.1990
3782	1.58	35.0	30.0	WATER BASED	16.07.1990
3782	1.58	36.0	32.0	WATER BASED	19.07.1990
3782	1.58	36.0	32.0	WATER BASED	01.08.1990
3936	1.58	34.0	17.0	WATER BASED	01.08.1990
3936	1.58	30.0	22.0	WATER BASED	01.08.1990
3936	1.58	31.0	22.0	WATER BASED	01.08.1990
3936	1.58	36.0	33.0	WATER BASED	01.08.1990
3936	1.58	36.0	34.0	WATER BASED	01.08.1990
3936	1.58	34.0	17.0	WATER BASED	31.07.1990
3936	1.58	27.0	20.0	WATER BASED	01.08.1990
3982	1.58	29.0	27.0	WATER BASED	31.07.1990
3982	1.58	29.0	27.0	WATER BASED	01.08.1990
4029	1.58	32.0	28.0	WATER BASED	01.08.1990
4059	1.58	30.0	25.0	WATER BASED	01.08.1990
4092	1.58	23.0	18.0	WATER BASED	01.08.1990
4166	1.64	23.0	17.0	WATER BASED	01.08.1990
4243	1.64	23.0	20.0	WATER BASED	01.08.1990
4265	1.70	24.0	10.0	WATER BASED	20.08.1990
4265	1.70	28.0	11.0	WATER BASED	21.08.1990
4265	1.70	28.0	11.0	WATER BASED	21.08.1990
4265	1.70	26.0	9.0	WATER BASED	17.08.1990
4293	1.68	24.0	18.0	WATER BASED	03.08.1990
4326	1.70	23.0	15.0	WATER BASED	03.08.1990
4379	1.70	21.0	16.0	WATER BASED	03.08.1990
4439	1.70	28.0	11.0	WATER BASED	21.08.1990



4439	1.70	29.0	10.0	WATER BASED	22.08.1990
4439	1.70	29.0	15.0	WATER BASED	22.08.1990
4447	1.72	21.0	12.0	WATER BASED	13.08.1990
4447	1.70	28.0	13.0	WATER BASED	14.08.1990
4447	1.70	28.0	14.0	WATER BASED	14.08.1990
4447	1.70	27.0	13.0	WATER BASED	15.08.1990
4447	1.70	27.0	13.0	WATER BASED	14.08.1990
4490	1.50	23.0	10.0	WATER BASED	23.08.1990
4536	1.50	20.0	10.0	WATER BASED	28.08.1990
4581	1.50	19.0	8.0	WATER BASED	28.08.1990
4615	1.50	20.0	8.0	WATER BASED	28.08.1990
4644	1.50	19.0	9.0	WATER BASED	30.08.1990
4646	1.50	19.0	9.0	WATER BASED	30.08.1990
4646	1.50	19.0	9.0	WATER BASED	30.08.1990
4646	1.50	19.0	11.0	WATER BASED	31.08.1990
4646	1.50	21.0	8.0	WATER BASED	04.09.1990
4646	1.50	21.0	8.0	WATER BASED	04.09.1990
4646	1.50	20.0	11.0	WATER BASED	04.09.1990

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]
1544_Formalion_pressure_(Formasjonstrykk)	pdf	0.22

