



Generell informasjon

Brønnbane navn	6507/5-3
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Felt	SKARV
Funn	6507/5-3 Ærfugl
Brønn navn	6507/5-3
Seismisk lokalisering	ANO 9701 xlime 1082& inline 1165
Utvinningstillatelse	212
Boreoperatør	BP Amoco Norge AS
Boretillatelse	974-L
Boreinnretning	WEST NAVION
Boredager	40
Borestart	15.05.2000
Boreslutt	23.06.2000
Frigitt dato	23.06.2002
Publiseringsdato	18.12.2002
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	LATE CRETACEOUS
1. nivå med hydrokarboner, formasjon.	LYSING FM
Avstand, boredekk - midlere havflate [m]	36.0
Vanndybde ved midlere havflate [m]	417.0
Totalt målt dybde (MD) [m RKB]	3000.0
Totalt vertikalt dybde (TVD) [m RKB]	3000.0
Maks inklinasjon [°]	1.2
Temperatur ved bunn av brønnbanen [°C]	110
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	LANGE FM
Geodetisk datum	ED50
NS grader	65° 35' 20.85" N



ØV grader	7° 24' 36.93" E
NS UTM [m]	7275223.47
ØV UTM [m]	426690.58
UTM sone	32
NPDID for brønnbanen	4059

Brønnhistorie

General

Production License 212 was part of the 15th Licensing Round awarded in 1996 and covers blocks 6507/5 and 6507/6. The primary target of well 6507/5-3 was the Snadd Prospect, defined as a combined stratigraphic and structural trap with reservoir provided by turbidite sandstones of the Upper Cretaceous Lysing Formation. The well was further designed to provide adequate geoscience and engineering data to allow a confident decision for future activity on the Snadd Prospect, and a Skarv Area development plan.

Operations and results

Wildcat well 6507/5-3 was spudded with the drill ship "West Navion" on the 15 May 2000. While opening the 12 1/4" pilot hole to 36", the drill string stalled out and spun back freely resulting in the BHA being dropped to the seabed. Attempts to recover the fish were made, but were unsuccessful. The rig was moved 11.6 m to the southwest and the well was re-spudded on the 19th May 2000 and drilled to TD at 3000 m in the Cretaceous Lange Formation. The well was drilled with seawater and bentonite hi-vis pills down to 695 m and with KCl/Glycol mud from 695 m to TD. The well came in as a gas discovery with the majority of the reservoir and hydrocarbon parameters within the pre-drill prognosed range. It was the first Cretaceous discovery in the Nordland area not found by chance. Top reservoir came in at a depth of 2837.5 m. The well encountered a gross reservoir section of 55.2 m with a gas water contact clearly visible on log and pressure data. The net pay in the well is 37.2 m with a net to gross ratio of 67%. Average porosity in the pay zone is 24% with average water saturation at 36%. Coring gave four short cores from the Lysing Formation in the interval 2836.5 m to 2855 m (2841.7 m to 2859.4 m loggers depth), with 54% to 100% recovery. Several technical problems were encountered during coring. Three MDT fluid samples were recovered from the Lysing Formation. Of these, two samples at 2843 m and 2864.5 m contained gas, while a sample at 2875 m contained water.

The well was permanently abandoned as a gas discovery on the 23 June 2000.

Testing

No drill stem test was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
700.00	2999.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2836.5	2840.0	[m]
2	2843.0	2843.7	[m]
3	2844.0	2851.6	[m]
4	2852.0	2855.0	[m]

Total kjerneprøve lengde [m]	14.7
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2836-2843m



2844-2849m



2849-2854m



2854-2855m

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1380.0	[m]	DC	
1410.0	[m]	DC	
1430.0	[m]	DC	
1450.0	[m]	DC	
1470.0	[m]	DC	
1830.0	[m]	DC	
1850.0	[m]	DC	
1870.0	[m]	DC	
1890.0	[m]	DC	
1910.0	[m]	DC	
2040.0	[m]	DC	
2060.0	[m]	DC	
2090.0	[m]	DC	
2120.0	[m]	DC	



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 9.5.2024 - 04:30

2150.0	[m]	DC	
2160.0	[m]	DC	
2180.0	[m]	DC	
2190.0	[m]	DC	
2590.0	[m]	DC	
2615.0	[m]	DC	
2636.0	[m]	DC	
2669.0	[m]	DC	
2702.0	[m]	DC	
2732.0	[m]	DC	
2762.0	[m]	DC	
2792.0	[m]	DC	
2822.0	[m]	DC	
2838.7	[m]	C	OD
2838.8	[m]	C	
2838.9	[m]	C	
2839.4	[m]	C	OD
2840.0	[m]	DC	
2843.0	[m]	C	
2845.3	[m]	C	
2845.3	[m]	C	OD
2845.4	[m]	C	
2848.6	[m]	C	
2848.8	[m]	C	
2849.9	[m]	C	
2851.4	[m]	C	
2851.4	[m]	C	OD
2853.7	[m]	C	
2853.8	[m]	C	OD
2854.4	[m]	C	
2858.0	[m]	DC	
2862.0	[m]	SWC	
2868.5	[m]	SWC	
2873.0	[m]	DC	
2874.0	[m]	SWC	
2881.0	[m]	SWC	
2885.0	[m]	SWC	
2891.5	[m]	SWC	
2894.0	[m]	DC	
2906.0	[m]	DC	



2927.0	[m]	DC	
2948.0	[m]	DC	
2969.0	[m]	DC	
2981.0	[m]	DC	
2999.0	[m]	DC	
3838.6	[m]	C	OD

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
454	NORDLAND GP
454	NAUST FM
1440	KAI FM
1858	HORDALAND GP
1858	BRYGGE FM
2048	ROGALAND GP
2103	TANG FM
2142	SHETLAND GP
2255	NISE FM
2596	KVITNOS FM
2838	CROMER KNOLL GP
2838	LYSING FM
2893	LANGE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
4059	pdf	0.35

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
4059_1	pdf	1.32
4059_2	pdf	1.23





Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
4059_6507_5_3_COMPLETION_LOG	.pdf	4.22
4059_6507_5_3_COMPLETION_REPORT	.pdf	28.56

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
FMI DSI	400	2960
HALS DSI PEX GPIT	1673	2975
LWD - MPR GR	500	1702
LWD - MPR GR	2837	3000
LWD - MPR ORD GR	1702	2837
MDT GR	2843	2892
MSCT GR	2862	2869
MSCT GR	2871	2892
VSP AMS GR	1050	2985

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	536.0	36	539.0	0.00	LOT
SURF.COND.	20	688.0	26	695.0	1.32	LOT
INTERM.	13 3/8	1670.0	17 1/2	1670.0	1.68	LOT
OPEN HOLE		3000.0	12 1/4	3000.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
695	1.32	28.0		POLYMER	
1350	1.32	16.0		POLYMER	
1702	1.32	15.0		POLYMER	
2000	1.56	21.0		POLYMER	
2727	1.58	30.0		POLYMER	
2836	1.58	21.0		POLYMER	





2843	1.58	22.0		POLYMER	
2844	1.58	25.0		POLYMER	
2852	1.58	22.0		POLYMER	
2855	1.58	22.0		POLYMER	
3000	1.57	18.0		POLYMER	
3000	1.07			SEAWATER	

Tynnslip i Sokkeldirektoratet

Dybde	Enhet
2836.55	[m]
2845.00	[m]
2848.00	[m]
2850.25	[m]
2853.50	[m]

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]
4059 Formation pressure (Formasjonstrykk)	pdf	0.27

