



Generell informasjon

Brønnbane navn	6507/3-3
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Felt	SKARV
Funn	6507/3-3 (Idun)
Brønn navn	6507/3-3
Seismisk lokalisering	ST9717- INLINE 3260 & CROSSLINE 2590
Utvinningstillatelse	159
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	944-L
Boreinnretning	BYFORD DOLPHIN
Boredager	93
Borestart	23.12.1998
Boreslutt	25.03.1999
Frigitt dato	25.03.2001
Publiseringsdato	15.11.2001
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	FANGST GP
2. nivå med hydrokarboner, alder	EARLY JURASSIC
2. nivå med hydrokarboner, formasjon	BÅT GP
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	391.0
Totalt målt dybde (MD) [m RKB]	3830.0
Totalt vertikalt dybde (TVD) [m RKB]	3796.0
Temperatur ved bunn av brønnbanen [°C]	135
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	ÅRE FM



Geodetisk datum	ED50
NS grader	65° 48' 3.73" N
ØV grader	7° 43' 28.69" E
NS UTM [m]	7298509.86
ØV UTM [m]	441665.21
UTM sone	32
NPDID for brønnbanen	3668

Brønnhistorie

General

The main objectives for the well were to test the hydrocarbon potential in the Middle and Lower Jurassic sandstones in the formations of the Fangst and Båt Groups. Secondary reservoir targets were to test the hydrocarbon potential in Lower Cretaceous sandstones of the Lange Formation.

Operations and results

The well 6507/3-3 was drilled to a total depth of 3830 m MD RKB, into Lower Jurassic Åre Formation. Water based mud was used down to 1720 m, oil based from 1720 to 3403, and water based again from there to TD. Gas was proven in the Jurassic sandstones. One core was cut in the Lange Formation from 2721 to 2747.7 m and 5 cores were cut in the Garn, Not, Ile, Ror, and Tilje Formations from 3375 to 3654 m. An MDT sample was collected in the Lange Formation, but contained mainly oil based mud filtrate. In the Jurassic section samples were collected in the Garn, Ile, Tilje, and Åre Formations. The well was plugged and abandoned on the 25th of March 1999 as a gas discovery.

Testing

No DST was performed

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
710.00	3828.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2721.0	2747.7	[m]
2	3375.0	3401.4	[m]



3	3403.0	3435.5	[m]
4	3461.0	3487.4	[m]
5	3545.0	3599.9	[m]
6	3600.0	3654.5	[m]

Total kjerneprøve lengde [m]	221.3
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



2721-2726m



2726-2731m



2731-2736m



2736-2741m



2741-2746m



2746-2748m



3375-3380m



3380-3385m



3385-3390m



3390-3395m



3395-3400m



3400-3401m



3403-3408m



3408-3413m



3413-3418m



3418-3423m



3423-3428m



3428-3433m



3433-3435m



3461-3466m



3466-3471m



3471-3476m



3476-3481m



3481-3486m



3486-3487m



3545-3550m



3550-3555m



3555-3560m



3560-3565m



3565-3570m



3570-3575m



3575-3580m



3580-3585m



3585-3590m



3590-3595m



3595-3600m



3600-3605m



3605-3610m



3610-3615m



3615-3620m



3620-3625m



3625-3630m



3630-3635m



3635-3640m



3640-3645m



3645-3650m



3650-3654m



Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1450.0	[m]	DC	GEOSTR
1470.0	[m]	DC	GEOSTR
1490.0	[m]	DC	GEOSTR
1510.0	[m]	DC	GEOSTR
1530.0	[m]	DC	GEOSTR
1550.0	[m]	DC	GEOSTR
1570.0	[m]	DC	GEOSTR
1590.0	[m]	DC	GEOSTR
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
416	NORDLAND GP
416	NAUST FM
1372	KAI FM
1710	HORDALAND GP
1710	BRYGGE FM
1931	ROGALAND GP
1931	TARE FM
2010	TANG FM
2045	SHETLAND GP
2045	SPRINGAR FM
2641	CROMER KNOLL GP
2641	LANGE FM
3013	VIKING GP
3013	SPEKK FM
3093	MELKE FM
3364	FANGST GP
3364	GARN FM
3404	NOT FM
3447	ILE FM
3478	BÅT GP
3478	ROR FM
3538	TILJE FM
3680	ÅRE FM



Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
3668	pdf	0.46

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
3668_1	pdf	1.72
3668_2	pdf	1.89
3668_3	pdf	1.43
3668_4	pdf	1.37

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
3668_6507_3_3_COMPLETION_LOG	.pdf	2.57
3668_6507_3_3_COMPLETION_REPORT	.pdf	33.31

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DIR	473	669
DIR	640	676
DLL MLL MAC DGR TTRM	3363	3827
FMT GR	2641	3372
FMT GR	2686	2686
GR MPR	490	699
GR MPR	657	3830
HDIL MAC DGR TTRM	1752	3371
MDT GR	3376	3797
MDT GR	3388	3388
VSP	1775	2786
VSP	2786	3771





ZDL CND HDIPW DSI TT	3306	3828
ZDL ZND DSI	1752	3374

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	476.0	36	480.0	0.00	LOT
SURF.COND.	20	667.0	26	701.0	1.28	LOT
INTERM.	13 3/8	1752.0	17 1/2	1758.0	1.65	LOT
INTERM.	9 5/8	3362.0	12 1/4	3367.0	1.59	LOT
OPEN HOLE		3830.0	8 1/2	3830.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
453	1.00			sea-water/P	
481	1.00			sea-water/P	
673	1.00			sea-water/P	
861	1.10	19.0		sea-water/P	
1270	1.20	20.0		sea-water/P	
1719	1.50	44.0		oil based m	
1733	1.50	44.0		oil based m	
1761	1.50	41.0		oil based m	
1805	1.50	45.0		oil based m	
1887	1.50	43.0		oil based m	
1935	1.50	33.0		oil based m	
1951	1.50	44.0		oil based m	
2511	1.50	23.0		oil based m	
2721	1.50	33.0		oil based m	
2748	1.50	32.0		oil based m	
2820	1.50	33.0		oil based m	
3088	1.50	31.0		oil based m	
3200	1.50	35.0		oil based m	
3355	1.50	30.0		oil based m	
3375	1.50	35.0		oil based m	
3403	1.20	48.0		quadrill	
3437	1.20	38.0		quadrill	



3448	1.20	46.0		quadrill	
3461	1.20	32.0		quadrill	
3487	1.20	41.0		quadrill	
3511	1.20	41.0		quadrill	
3545	1.20	35.0		quadrill	
3599	1.20	37.0		quadrill	
3654	1.20	33.0		quadrill	
3830	1.20	36.0		quadrill	

Tynnslip i Sokkeldirektoratet

Dybde	Enhet
2733.45	[m]
2742.55	[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]
3668 Formation pressure (Formasjonstrykk)	pdf	0.28

