



Generell informasjon

Brønnbane navn	6506/11-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Felt	ÅSGARD
Funn	6506/11-2 (Isbjørn)
Brønn navn	6506/11-2
Seismisk lokalisering	ST 8801-280 & SP. 220
Utvinningstillatelse	134
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	681-L
Boreinnretning	ROSS RIG (2)
Boredager	172
Borestart	08.05.1991
Boreslutt	26.10.1991
Frigitt dato	26.10.1993
Publiseringsdato	28.06.2007
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	LATE CRETACEOUS
1. nivå med hydrokarboner, formasjon.	LANGE FM
2. nivå med hydrokarboner, alder	MIDDLE JURASSIC
2. nivå med hydrokarboner, formasjon	ILE FM
3. nivå med hydrokarboner, alder	EARLY JURASSIC
3. nivå med hydrokarboner, formasjon	TILJE FM
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	297.0
Totalt målt dybde (MD) [m RKB]	4813.0
Totalt vertikalt dybde (TVD) [m RKB]	4806.0
Maks inklinasjon [°]	5.5



Temperatur ved bunn av brønnbanen [°C]	166
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	ÅRE FM
Geodetisk datum	ED50
NS grader	65° 3' 25.32" N
ØV grader	6° 37' 22.39" E
NS UTM [m]	7217095.51
ØV UTM [m]	388157.27
UTM sone	32
NPDID for brønnbanen	1754

Brønnhistorie

General

Well 6506/11-2 was drilled on the southwestern extension of the Smørbukk Field on the Halten Terrace. The exploratory objectives of the well were to prove oil in the Tilje, Ile, and possibly Garn Formations in the southwestern part of the Smørbukk Discovery. The well would also provide essential field development data for this part of the Smørbukk Discovery in connection with the Smørbukk South Field development planning.

Shallow gas warnings were given for seven levels down to 910 m. Maximum pore pressure was expected to ca 1.60 g/cm³ when entering the Late Jurassic reservoir.

Operations and results

Well 6506/11-2 was spudded with the semi-submersible installation Ross Rig on 8 May 1991 and drilled to TD at 4813 m in the Early Jurassic Åre Formation. No shallow gas was encountered. The well was drilled with seawater and hi-vis pills down to 830 m and with gypsum/polymer mud from 830 m to 2307 m. When running the 13 3/8" casing it got stuck. Several Imcospot/Pipelax pills were spotted to free the pipe, but without success, so the hole was plugged back and sidetracked. The sidetrack from 1257 m was drilled with gypsum/polymer mud down to 2255 m, with gypsum/PAC/Kemseal polymer mud from 2255 m to 4238 m, and with bentonite/Thermopol/Ancotemp mud from 4238 m to TD. Planned time budget for the well was 74 days, without testing. The well took 172 days. Significant time was lost due to the stuck 13 3/8" casing with subsequent sidetrack drilling. Problems during DST 1 and P&A phase also contributed significant lost time. However, the main deviation from planned time consumption reflected operational decisions during drilling. Extended logging and coring programs were approved in the course of making hole. The results also lead to confirmation of extended testing.

Maximum pore pressure, 1.71 g/cm³, was seen in the top of the Shetland Group at ca 2400 m. The pore pressure in the Late Jurassic was 1.66 g/cm³, about as expected. Several hydrocarbon-bearing sands were encountered and tested. The well proved oil and gas in the Tilje, Ile, Lange, and Lysing Formations. The Garn Formation was a massive sand, but water wet. There were oil shows throughout the Fangst and Båt Groups.

A total of 310 m core was recovered in 15 cores from most of the Fangst and Båt Groups. A total of 100 sidewall cores were attempted and 89 were recovered. FMT fluid samples were taken at 3377.7 m, 4045.9 m, 4378.4 m, and 4721.5 m.

The well was permanently abandoned on 26 October 1991 as a gas and oil discovery.



Testing

Six DST tests were performed.

DST 1A was performed in the interval 4668 - 4704 m in base Tilje Formation, yielding a maximum flow rate of 554 Sm³/d oil and 770733 Sm³/d gas through an 80/64" choke. Oil density was 0.807 g/cm³ and the GOR was 1392 Sm³/Sm³. Maximum BHT was 160 deg C.

DST 2 was performed in the interval 4553.2 - 4597.2 m in top Tilje Formation, yielding a maximum flow rate of 481 Sm³/d oil and 440000 Sm³/d gas through an 80/64" choke. The GOR was 1392 Sm³/Sm³. Maximum BHT was 157 deg C.

DST 3 in the interval 4486 - 4510 m in the Tofte Formation flowed only 75 l of cushion fluid; it produced no formation fluid.

DST 4 at 4371 - 4420 m in the Ile Formation yielded a maximum flow rate of 714 Sm³/d oil and 1028000 Sm³/d gas through a 64/64" choke. Oil density was 0.783 g/cm³ and the GOR was 1440 Sm³/Sm³. Maximum BHT was 153 deg C.

DST 5 at 4005 - 4048 m in the Lange Formation yielded a maximum flow rate of 136 Sm³/d and 69845 Sm³/d gas through a 36/64" choke. Oil density was 0.82 g/cm³ and the GOR was 513 Sm³/Sm³. Maximum BHT was 138 deg C.

DST 6 at 3373.5 - 3398.5 m in the Lysing Formation yielded a maximum flow rate of 129 Sm³/d water, 40 Sm³/d oil, and 6825 Sm³/d gas through a 24/64" choke. Oil density was 0.826 g/cm³ and the GOR was 170 Sm³/Sm³. Maximum BHT was 113 deg C.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
840.00	4810.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	4241.0	4242.7	[m]
2	4242.9	4276.3	[m]
3	4310.0	4337.0	[m]
4	4361.0	4380.9	[m]
5	4386.0	4411.0	[m]
6	4416.0	4443.0	[m]
7	4488.0	4495.7	[m]
8	4498.0	4507.5	[m]
9	4548.0	4575.1	[m]



10	4575.5	4602.9	[m]
11	4603.0	4630.0	[m]
12	4631.0	4659.0	[m]
13	4659.0	4682.8	[m]
14	4686.5	4690.2	[m]
15	4693.5	4717.0	[m]

Total kjerneprøve lengde [m]	311.7
Kjerner tilgjengelig for prøvetaking?	YES

Kjernebilder



4241-4242m



4242-4247m



4247-4252m



4252-4257m



4257-4262m



4262-4267m



4267-4271m



4310-4315m



4315-4320m



4320-4325m



4325-4330m



4330-4335m



4335-4337m



4361-4366m



4366-4371m



4371-4376m



4376-4380m



4386-4391m



4391-4396m



4396-4401m



4401-4406m



4406-4411m



4416-4421m



4421-4426m



4426-4431m



4431-4436m



4436-4441m



4441-4443m



4488-4493m



4493-4495m



4498-4503m



4503-4507m



4548-4553m



4553-4558m



4558-4563m



4563-4568m



4568-4573m



4573-4575m



4575-4580m



4580-4585m



4585-4590m



4590-4595m



4595-4600m



4600-4602m



4603-4608m



4608-4613m



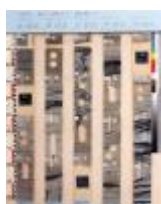
4613-4618m



4618-4623m



4628-4630m



4623-4628m



4631-4636m



4636-4641m



4641-4646m



4646-4651m



4651-4656m



4656-4659m



4659-4664m



4664-4669m



4669-4674m



4674-4679m



4679-4682m



4686-4690m



4693-4698m



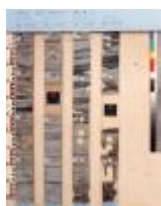
4698-4703m



4703-4708m



4708-4713m



4713-4717m

Palynologiske preparater i Sökkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1910.0	[m]	DC	MILL
1920.0	[m]	DC	MILL
1930.0	[m]	DC	MILL
1950.0	[m]	DC	MILL
1960.0	[m]	DC	MILL
1980.0	[m]	DC	MILL
2020.0	[m]	DC	MILL
2040.0	[m]	DC	MILL
2060.0	[m]	DC	MILL



2080.0	[m]	DC	MILL
2100.0	[m]	DC	MILL
2120.0	[m]	DC	MILL
2140.0	[m]	DC	MILL
2160.0	[m]	DC	MILL
2180.0	[m]	DC	MILL
2190.0	[m]	DC	MILL
2200.0	[m]	DC	MILL
2210.0	[m]	DC	MILL
2218.0	[m]	DC	MILL
2230.0	[m]	DC	MILL
2250.0	[m]	DC	MILL
2270.0	[m]	DC	MILL
2290.0	[m]	DC	MILL
2310.0	[m]	DC	MILL
2320.0	[m]	DC	MILL
2350.0	[m]	DC	MILL
2370.0	[m]	DC	MILL
2380.0	[m]	DC	MILL
2400.0	[m]	DC	MILL
2420.0	[m]	DC	MILL
2440.0	[m]	DC	MILL
2460.0	[m]	DC	MILL
2480.0	[m]	DC	MILL
2500.0	[m]	DC	MILL
2520.0	[m]	DC	MILL
2540.0	[m]	DC	MILL
2560.0	[m]	DC	MILL
2580.0	[m]	DC	MILL
2590.0	[m]	DC	MILL
2600.0	[m]	DC	MILL
2620.0	[m]	DC	MILL
2640.0	[m]	DC	MILL
2660.5	[m]	SWC	STATO
2680.0	[m]	DC	MILL
2702.0	[m]	SWC	STATO
2711.2	[m]	SWC	STATO
2711.5	[m]	SWC	STATO
2720.0	[m]	DC	MILL
2724.5	[m]	SWC	STATO



2738.5 [m]	SWC	STATO
2750.0 [m]	DC	MILL
2770.0 [m]	DC	MILL
2780.0 [m]	DC	MILL
2800.0 [m]	DC	MILL
2807.5 [m]	SWC	STATO
2820.0 [m]	DC	MILL
2840.0 [m]	DC	MILL
2860.0 [m]	DC	MILL
2870.0 [m]	DC	MILL
2890.0 [m]	DC	MILL
2900.0 [m]	DC	MILL
2920.0 [m]	DC	MILL
2940.0 [m]	DC	MILL
2960.0 [m]	DC	MILL
3000.0 [m]	DC	MILL
3020.0 [m]	DC	MILL
3040.0 [m]	DC	MILL
3060.0 [m]	DC	MILL
3080.0 [m]	DC	MILL
3100.0 [m]	DC	MILL
3120.0 [m]	DC	MILL
3140.0 [m]	DC	MILL
3160.0 [m]	DC	MILL
3180.0 [m]	DC	MILL
3200.0 [m]	DC	MILL
3240.0 [m]	DC	MILL
3260.0 [m]	DC	MILL
3280.0 [m]	DC	MILL
3290.0 [m]	DC	MILL
3300.0 [m]	DC	MILL
3310.0 [m]	DC	MILL
3320.0 [m]	DC	MILL
3328.0 [m]	SWC	STATO
3346.0 [m]	SWC	STATO
3359.5 [m]	SWC	STATO
3372.0 [m]	SWC	STATO
3390.0 [m]	SWC	STATO
3405.0 [m]	SWC	STATO
3410.0 [m]	DC	MILL



3420.0	[m]	DC	MILL
3430.0	[m]	DC	MILL
3449.5	[m]	SWC	STATO
3460.0	[m]	DC	MILL
3470.0	[m]	DC	MILL
3490.0	[m]	DC	MILL
3500.0	[m]	DC	MILL
3520.0	[m]	DC	MILL
3530.0	[m]	DC	MILL
3550.0	[m]	DC	MILL
3580.0	[m]	DC	MILL
3590.0	[m]	DC	MILL
3610.0	[m]	DC	MILL
3620.0	[m]	DC	MILL
3640.0	[m]	DC	MILL
3650.0	[m]	DC	MILL
3670.0	[m]	DC	MILL
3680.0	[m]	DC	MILL
3700.0	[m]	DC	MILL
3710.0	[m]	DC	MILL
3730.0	[m]	DC	MILL
3740.0	[m]	DC	MILL
3760.0	[m]	DC	MILL
3770.0	[m]	DC	MILL
3790.0	[m]	DC	MILL
3800.0	[m]	DC	MILL
3820.0	[m]	DC	MILL
3830.0	[m]	DC	MILL
3850.0	[m]	DC	MILL
3860.0	[m]	DC	MILL
3880.0	[m]	DC	MILL
3900.0	[m]	DC	MILL
3910.0	[m]	DC	MILL
3930.0	[m]	DC	MILL
3940.0	[m]	DC	MILL
3980.0	[m]	DC	MILL
3991.2	[m]	SWC	STATO
4000.7	[m]	SWC	STATO
4016.7	[m]	SWC	STATO
4027.7	[m]	SWC	STATO



4034.7	[m]	SWC	STATO
4057.7	[m]	SWC	STATO
4071.7	[m]	SWC	STATO
4082.7	[m]	SWC	STATO
4150.0	[m]	DC	MILL
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4165.0	[m]	DC	MILL
4174.0	[m]	DC	MILL
4183.0	[m]	DC	MILL
4192.0	[m]	DC	MILL
4201.0	[m]	DC	MILL
4210.0	[m]	DC	MILL
4219.0	[m]	DC	MILL
4228.0	[m]	DC	MILL
4231.0	[m]	DC	MILL
4237.0	[m]	DC	MILL
4246.0	[m]	C	STATO
4258.0	[m]	C	STATO
4267.7	[m]	C	STATO
4269.3	[m]	C	STATO
4282.0	[m]	DC	MILL
4291.0	[m]	DC	MILL
4297.0	[m]	DC	MILL
4312.1	[m]	C	STATO
4324.3	[m]	C	STATO
4327.5	[m]	C	RRI
4330.0	[m]	C	RRI
4332.5	[m]	C	STATO
4334.2	[m]	C	STATO
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4357.0	[m]	DC	MILL
4361.1	[m]	C	RRI
4364.8	[m]	C	RRI
4368.0	[m]	DC	STATO
4369.5	[m]	C	RRI
4373.3	[m]	C	RRI



4375.4 [m]	C	STATO
4380.0 [m]	C	STATO
4387.7 [m]	C	RRI
4391.8 [m]	C	STATO
4394.6 [m]	C	RRI
4397.4 [m]	C	STATO
4401.8 [m]	C	STATO
4403.3 [m]	C	RRI
4407.9 [m]	C	STATO
4410.2 [m]	C	RRI
4416.7 [m]	C	STATO
4418.8 [m]	C	RRI
4421.4 [m]	C	RRI
4424.6 [m]	C	STATO
4427.2 [m]	C	RRI
4430.6 [m]	C	STATO
4434.2 [m]	C	RRI
4438.7 [m]	C	STATO
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4443.1 [m]	C	RRI
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4468.0 [m]	DC	MILL
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4486.0 [m]	DC	MILL
4490.4 [m]	C	STATO
4491.8 [m]	C	STATO
4493.9 [m]	C	RRI
4498.6 [m]	C	STATO
4501.8 [m]	C	RRI
4504.5 [m]	C	RRI
4507.3 [m]	C	STATO
4548.0 [m]	C	STATO
4548.8 [m]	C	STATO
4549.5 [m]	C	STATO
4550.2 [m]	C	STATO
4550.7 [m]	C	RRI
4552.5 [m]	C	RRI
4555.8 [m]	C	RRI
4559.2 [m]	C	RRI



4562.9 [m]	C	RRI
4564.3 [m]	C	STATO
4564.7 [m]	C	STATO
4567.3 [m]	C	RRI
4570.4 [m]	C	STATO
4574.4 [m]	C	RRI
4578.1 [m]	C	STATO
4580.2 [m]	C	STATO
4585.5 [m]	C	STATO
4588.2 [m]	C	STATO
4592.0 [m]	C	STATO
4592.1 [m]	C	RRI
4598.9 [m]	C	STATO
4600.4 [m]	C	STATO
4608.4 [m]	C	STATO
4612.9 [m]	C	STATO
4615.3 [m]	C	RRI
4620.9 [m]	C	RRI
4624.8 [m]	C	STATO
4627.5 [m]	C	RRI
4629.8 [m]	C	STATO
4631.2 [m]	C	RRI
4633.3 [m]	C	RRI
4636.3 [m]	C	STATO
4638.0 [m]	C	STATO
4640.9 [m]	C	RRI
4643.0 [m]	C	STATO
4647.1 [m]	C	STATO
4651.6 [m]	C	STATO
4656.0 [m]	C	STATO
4661.4 [m]	C	STATO
4665.0 [m]	C	STATO
4675.9 [m]	C	STATO
4682.5 [m]	C	STATO
4689.7 [m]	C	STATO
4695.8 [m]	C	STATO
4697.8 [m]	C	STATO
4703.3 [m]	C	STATO
4706.4 [m]	C	STATO
4711.0 [m]	C	MILL



4712.2	[m]	C	STATO
4716.2	[m]	C	STATO
4727.0	[m]	DC	MILL
4736.0	[m]	DC	MILL
4745.0	[m]	DC	MILL
4754.0	[m]	DC	MILL
4764.0	[m]	DC	MILL
4773.0	[m]	DC	MILL
4782.0	[m]	DC	MILL
4791.0	[m]	DC	MILL
4800.0	[m]	DC	MILL
4810.0	[m]	DC	MILL

Oljeprøver i Søkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
DST	DST1A	4668.00	4704.00		29.08.1991 - 16:30	YES
DST	DST2	4553.20	4597.00		10.09.1991 - 09:00	YES
DST	DST4	4420.00	4371.00		22.09.1991 - 20:00	YES
DST	TEST5	4048.00	4005.00		03.10.1991 - 20:00	YES
DST	TEST6	3373.50	3398.50		10.10.1991 - 04:30	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
320	NORDLAND GP
320	NAUST FM
1450	KAI FM
1912	HORDALAND GP
1912	BRYGGE FM
2208	ROGALAND GP
2208	TARE FM
2298	TANG FM



2358	SHETLAND GP
2358	SPRINGAR FM
2531	NISE FM
2737	KVITNOS FM
3323	CROMER KNOLL GP
3323	LYSING FM
3413	LANGE FM
4139	LYR FM
4162	VIKING GP
4162	SPEKK FM
4165	MELKE FM
4229	FANGST GP
4229	GARN FM
4308	NOT FM
4359	ILE FM
4421	BÅT GP
4421	ROR FM
4486	TOFTE FM
4551	ROR FM
4553	TILJE FM
4705	ÅRE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
1754	pdf	1.00

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
1754_1	pdf	0.52
1754_2	pdf	2.80
1754_3	pdf	0.11

Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter





Dokument navn	Dokument format	Dokument størrelse [KB]
1754_01_WDSS_General_Information	pdf	0.72
1754_02_WDSS_completion_log	pdf	0.24

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
1754_6506_11_2_COMPLETION_REPORT_AND_LOG	pdf	16.38

Borestrengtester (DST)

Test nummer	Fra dybde MD [m]	Til dybde MD [m]	Reduksjonsventil størrelse [mm]
1.0	4668	4704	31.0
2.0	4553	4597	31.0
3.0	4486	4510	0.0
4.0	4371	4420	25.4
5.0	4005	4048	14.3
6.0	3374	3399	9.5

Test nummer	Endelig avstengningstrykk [MPa]	Endelig strømningstrykk [MPa]	Bunnhullstrykk [MPa]	Borehullstemperatur [°C]
1.0		10.500	48.900	160
2.0		6.800	48.000	157
3.0				
4.0		14.500	47.700	153
5.0		3.500	66.400	138
6.0		5.000	48.500	113

Test nummer	Olje produksjon [Sm3/dag]	Gass produksjon [Sm3/dag]	Oljetetthet [g/cm3]	Gasstyngde rel. luft	GOR [m3/m3]
1.0	554	770733	0.807	0.765	1392
2.0	481	440000			915
3.0					
4.0	714	1028000	0.780	0.730	1440





5.0	136	69845	0.820	0.780	513
6.0	40	6825	0.826	0.775	170

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CAL	2230	4125
CBL VDL GR	1750	2227
CBL VDL GR	1900	4220
DEL2	3300	4757
DIFL CDL ACL GR SP	806	4812
DIPLOG	2228	3572
DIPLOG	3925	4125
DIPLOG	4226	4756
DLL MLL SL	2305	3463
DLL MLL SL	4226	4756
FMT GR	2374	3405
FMT GR	4009	4047
FMT GR	4240	4271
FMT GR	4269	4696
FMT GR	4270	4749
FMT GR	4690	4749
FMT GR	4721	0
MWD	384	4488
SWC	2660	3449
SWC	3954	4198
VELOCITY	680	4800
ZDENS CN GR	2227	4756

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	380.0	36	381.0	0.00	LOT
INTERM.	20	810.0	27	820.0	1.51	LOT
INTERM.	13 3/8	2231.0	17 1/2	2335.0	1.85	LOT
INTERM.	9 5/8	4223.0	12 1/4	4290.0	2.00	LOT
LINER	7	4807.0	8 1/2	4807.0	0.00	LOT



Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
442	1.03			WATER BASED	14.05.1991
830	1.20	16.0	5.5	WATER BASED	14.05.1991
830	1.03	7.0	11.0	WATER BASED	14.05.1991
830	1.03			DUMMY	14.05.1991
830	1.20			DUMMY	14.05.1991
1336	1.25			WATER BASED	21.05.1991
1722	1.25	23.0	5.5	WATER BASED	21.05.1991
1932	1.49	21.0	8.0	WATER BASED	03.06.1991
2146	1.49	28.0	7.0	WATER BASED	21.05.1991
2230	1.73	25.0	10.0	DUMMY	14.10.1991
2230	1.73	24.0	7.0	DUMMY	16.10.1991
2230	1.73	19.0	7.0	DUMMY	17.10.1991
2230	1.73	24.0	7.0	DUMMY	15.10.1991
2250	1.53	19.0	6.5	WATER BASED	03.06.1991
2255	1.53	20.0	5.5	WATER BASED	04.06.1991
2255	1.53	22.0	4.0	WATER BASED	05.06.1991
2307	1.49	30.0	6.5	WATER BASED	21.05.1991
2307	1.49	28.0	6.0	WATER BASED	21.05.1991
2307	1.49	22.0	4.5	WATER BASED	22.05.1991
2307	1.49	23.0	5.0	WATER BASED	28.05.1991
2307	1.49	23.0	5.5	WATER BASED	28.05.1991
2307	1.49	16.0	4.0	WATER BASED	28.05.1991
2307	1.49	13.0	3.5	WATER BASED	28.05.1991
2307	1.49	13.0	3.5	WATER BASED	28.05.1991
2307	1.49	12.0	3.5	WATER BASED	28.05.1991
2307	1.49	13.0	3.0	WATER BASED	30.05.1991
2307	1.49	16.0	13.5	WATER BASED	31.05.1991
2307	1.49	15.0	3.5	WATER BASED	31.05.1991
2307	1.49	21.0	8.0	WATER BASED	03.06.1991
2307	1.53	19.0	6.5	WATER BASED	03.06.1991
2314	1.65	20.0	4.0	WATER BASED	10.06.1991
2400	1.65	27.0	5.5	WATER BASED	10.06.1991
2400	1.65	22.0	6.0	WATER BASED	14.06.1991
2400	1.65	30.0	6.0	WATER BASED	17.06.1991
2400	1.71	19.0	7.5	WATER BASED	26.06.1991



Faktasider

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2400	1.71	28.0	8.0	WATER BASED	01.07.1991
2400	1.71	27.0	7.5	WATER BASED	03.07.1991
2400	1.73	23.0	7.0	WATER BASED	08.07.1991
2400	1.73	20.0	7.0	WATER BASED	10.07.1991
2400	1.65	25.0	4.5	WATER BASED	10.06.1991
2400	1.65	27.0	4.5	WATER BASED	10.06.1991
2400	1.65	25.0	8.0	WATER BASED	10.06.1991
2400	1.65	21.0	7.0	WATER BASED	14.06.1991
2400	1.65	17.0	4.5	WATER BASED	14.06.1991
2400	1.65	23.0	4.5	WATER BASED	14.06.1991
2400	1.65	31.0	6.0	WATER BASED	17.06.1991
2400	1.70	30.0	5.0	WATER BASED	17.06.1991
2400	1.70	27.0	4.5	WATER BASED	18.06.1991
2400	1.71	25.0	5.5	WATER BASED	19.06.1991
2400	1.71	23.0	5.5	WATER BASED	20.06.1991
2400	1.73	24.0	5.5	WATER BASED	25.06.1991
2400	1.71	21.0	8.0	WATER BASED	25.06.1991
2400	1.71	24.0	8.0	WATER BASED	28.06.1991
2400	1.71	27.0	7.5	WATER BASED	01.07.1991
2400	1.71	24.0	7.5	WATER BASED	28.06.1991
2400	1.71	23.0	7.0	WATER BASED	01.07.1991
2400	1.71	28.0	7.5	WATER BASED	03.07.1991
2400	1.71	26.0	7.5	WATER BASED	05.07.1991
2400	1.71	30.0	4.5	WATER BASED	08.07.1991
2400	1.73	21.0	7.0	WATER BASED	10.07.1991
2400	1.73	21.0	6.0	WATER BASED	15.07.1991
2734	1.65	25.0	4.5	WATER BASED	10.06.1991
2960	1.65	27.0	4.5	WATER BASED	10.06.1991
3040	1.65	27.0	5.5	WATER BASED	10.06.1991
3216	1.65	25.0	8.0	WATER BASED	10.06.1991
3237	1.65	23.0	4.5	WATER BASED	14.06.1991
3244	1.65	21.0	7.0	WATER BASED	14.06.1991
3258	1.65	17.0	4.5	WATER BASED	14.06.1991
3338	1.65	22.0	6.0	WATER BASED	14.06.1991
3345	1.73	25.0	10.0	DUMMY	14.10.1991
3376	1.65	31.0	6.0	WATER BASED	17.06.1991
3376	1.65	30.0	6.0	WATER BASED	17.06.1991
3460	1.70	30.0	5.0	WATER BASED	17.06.1991
3550	1.70	27.0	4.5	WATER BASED	18.06.1991
3580	1.71	23.0	5.5	WATER BASED	20.06.1991



Faktasider

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3580	1.71	25.0	5.5	WATER BASED	19.06.1991
3622	1.73	24.0	5.5	WATER BASED	25.06.1991
3646	1.71	21.0	8.0	WATER BASED	25.06.1991
3653	1.71	19.0	7.5	WATER BASED	26.06.1991
3723	1.71	24.0	7.5	WATER BASED	28.06.1991
3797	1.71	24.0	8.0	WATER BASED	28.06.1991
3800	1.55	25.0	6.0	DUMMY	08.10.1991
3800	1.55	25.0	6.0	DUMMY	09.10.1991
3800	1.55	22.0	5.5	DUMMY	14.10.1991
3869	1.71	27.0	7.5	WATER BASED	01.07.1991
3946	1.71	28.0	8.0	WATER BASED	01.07.1991
4005	1.77	30.0	4.5	DUMMY	07.10.1991
4010	1.73	20.0	7.0	WATER BASED	10.07.1991
4029	1.71	23.0	7.0	WATER BASED	01.07.1991
4048	1.73	20.0	7.0	WATER BASED	10.07.1991
4073	1.77	28.0	5.0	DUMMY	04.10.1991
4111	1.71	27.0	7.5	WATER BASED	03.07.1991
4176	1.71	28.0	7.5	WATER BASED	03.07.1991
4225	1.71	26.0	7.5	WATER BASED	05.07.1991
4238	1.73	23.0	7.0	WATER BASED	08.07.1991
4238	1.71	30.0	4.5	WATER BASED	08.07.1991
4238	1.73	21.0	6.0	WATER BASED	15.07.1991
4238	1.73	24.0	5.5	WATER BASED	16.07.1991
4241	1.19	11.0	4.0	WATER BASED	17.07.1991
4243	1.19	15.0	4.0	WATER BASED	17.07.1991
4272	1.19	16.0	3.0	WATER BASED	18.07.1991
4306	1.19	20.0	4.0	DUMMY	08.08.1991
4306	1.21	15.0	3.0	DUMMY	12.08.1991
4306	1.19	21.0	4.0	DUMMY	09.08.1991
4310	1.19	15.0	4.0	DUMMY	06.08.1991
4310	1.19	20.0	4.0	DUMMY	07.08.1991
4310	1.19	21.0	5.0	DUMMY	05.08.1991
4310	1.19	21.0	5.0	DUMMY	05.08.1991
4310	1.19	20.0	4.0	DUMMY	31.07.1991
4310	1.19	15.0	4.0	DUMMY	02.08.1991
4310	1.19	21.0	5.0	DUMMY	02.08.1991
4310	1.19	21.0	6.0	DUMMY	05.08.1991
4310	1.19	15.0	4.0	DUMMY	23.07.1991
4310	1.19	15.0	3.5	DUMMY	23.07.1991
4310	1.19	16.0	3.5	DUMMY	23.07.1991



4310	1.19	16.0	3.5	DUMMY	25.07.1991
4310	1.19	20.0	5.0	DUMMY	29.07.1991
4310	1.19	20.0	4.5	DUMMY	29.07.1991
4310	1.19	19.0	5.0	DUMMY	30.07.1991
4310	1.19	18.0	3.5	DUMMY	25.07.1991
4310	1.19	19.0	3.5	DUMMY	29.07.1991
4310	1.19	16.0	3.0	WATER BASED	19.07.1991
4310	1.19	16.0	3.5	WATER BASED	23.07.1991
4338	1.19	16.0	3.5	WATER BASED	23.07.1991
4361	1.19	15.0	4.0	DUMMY	23.07.1991
4386	1.19	15.0	3.5	DUMMY	23.07.1991
4411	1.19	16.0	3.5	DUMMY	23.07.1991
4416	1.19	18.0	3.5	DUMMY	25.07.1991
4443	1.19	16.0	3.5	DUMMY	25.07.1991
4496	1.19	19.0	3.5	DUMMY	29.07.1991
4548	1.19	20.0	5.0	DUMMY	29.07.1991
4576	1.19	20.0	4.5	DUMMY	29.07.1991
4603	1.19	19.0	5.0	DUMMY	30.07.1991
4659	1.19	20.0	4.0	DUMMY	31.07.1991
4668	1.22	9.0	2.0	DUMMY	06.09.1991
4687	1.19	15.0	4.0	DUMMY	02.08.1991
4694	1.19	21.0	6.0	DUMMY	05.08.1991
4694	1.19	21.0	5.0	DUMMY	02.08.1991
4697	1.19	20.0	4.0	DUMMY	08.08.1991
4755	1.19	21.0	5.0	DUMMY	05.08.1991
4755	1.19	21.0	5.0	DUMMY	05.08.1991
4755	1.19	20.0	4.0	DUMMY	07.08.1991
4780	1.19	21.0	4.0	DUMMY	09.08.1991
4793	1.22	11.0	3.0	DUMMY	27.08.1991
4793	1.22	10.0	3.0	DUMMY	02.09.1991
4810	1.21	15.0	3.0	DUMMY	12.08.1991

Trykkplott

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1754 Formation pressure (Formasjonstrykk)	pdf	0.30

