

Table 4: Discovery and Prospect data

A new prospect form has been introduced, described in more detail below.

Each file shall include one prospect only (or lead or discovery). For prospects with alternative cases for hydrocarbon phases (oil vs gas vs oil&gas case) the cases shall be reported one by one, one worksheet per case - in the same file.

For input values with decimals, the legal decimal separator will be "." or "," dependent on the setup in your version of excel.

A listing with names of a selection of structural elements and litho- /chronostratigraphic names are attached in a separate work sheet in this file.

Cells coloured yellow are for NPD use only.

Definitions:

Discovery

One or several petroleum deposits discovered in the same well, in which through testing, sampling or logging there has been established a probability of the existence of mobile petroleum (includes both commercial and technical discovery).

Prospect

A possible petroleum trap with a mappable, delimited rock volume.

Lead

A possible petroleum trap where available data coverage and quality is insufficient for proper mapping and delimitation of the rock volume.

Play

A geographically and stratigraphically restricted area where a set of specific geological factors are present, making it possible to discover petroleum in producible quantities. Such geological factors are reservoir rocks, traps, mature source rocks and migration paths, and timing. All fields, discoveries and prospects within the same play are characterised by the play's specific set of geological factors.

Risk analysis

P1 = Probability of reservoir

P2 = Probability of trap

P3 = Probability of charge (source and migration)

P4 = Probability of retention after accumulation

Pdiscovery = probability of discovery of at least the estimated minimum volume (P100) = P1 x P2 x P3 x P4

In addition to probability of discovery, the conditional probability of each case should be specified (as fraction, where probability for oil case + gas case + oil&gas (multiphase) case = 1,0).

Reservoir and fluid parameters

All reservoir and fluid parameters shall be submitted with low (P90), base and high (P10) values.

The cut-off criteria for N/G calculation shall be entered as free text, to specify which cut-off values are used (for instance with regard to Vshale, porosity and permeability)

Resources originally in place

Comprise those volumes of petroleum resources originally in place in a deposit. The volumes shall be given at standard conditions.

Resources originally recoverable

Comprise volumes of the total saleable/deliverable petroleum resources, calculated for the period from the start to the end of production, and based on the current understanding of the volumes in place and recovery factor.

Low estimates, base estimates and high estimates

All resource estimates shall be submitted as a low (P90), base (mode and mean) and a high (P10) estimate.

The low estimate - P90

The low estimate will be lower than the base estimate. It shall be 90 % probability for the successful recovery of the given estimate or more. With reference to the base estimate value, the P90 value should reflect possible downsides with regard to the geometry of the reservoir, reservoir and fluid parameters, and/or recovery factor.

The base estimate

The base estimate will be the prevailing estimate, and shall reflect the current understanding of the reservoir geometry, reservoir and fluid parameters, and recovery factor. The base estimate should be reported both by the mean value and the mode value.

The high estimate - P10

The high estimate will be higher than the base estimate. It shall be 10 % probability for the successful recovery of the given estimate or more. With reference to the base estimate value, the P10 value should reflect possible upsides with regard to the geometry of the reservoir, reservoir and fluid parameters, and/or recovery factor.

Recovery factor

The proportion of the originally in-place resources which can be recovered from the prospect.

Table 4: Discovery and Prospect data (Enclose map)

Block	6204/11	Prospect name	E-Discovery	Discovery/Prosp/Lead	Discovery	Pros ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:	Gas	Reported by company	Wellesley	Reference document				Assessment year	
This is case no.:	1 of 1	Structural element	Måløy Slope	Type of trap	3-way closure	Water depth [m MSL] (>0)	170	Seismic database (2D/3D)	
Resources IN PLACE and RECOVERABLE									
Volumes, this case									
		Main phase			Associated phase				
		Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
In place resources		Oil [10^6 Sm^3] (>0.00)							
		Gas [10^9 Sm^3] (>0.00)	1,53	1,94	1,95	2,38			
Recoverable resources		Oil [10^6 Sm^3] (>0.00)							
		Gas [10^9 Sm^3] (>0.00)	1,23	1,56	1,56	1,90			
Reservoir Chrono (from)	Jurassic	Reservoir litho (from)	Sognefjord	Source Rock, chrono primary		Source Rock, litho primary		Seal, Chrono	
Reservoir Chrono (to)	Jurassic	Reservoir litho (to)	Sognefjord	Source Rock, chrono secondary		Source Rock, litho secondary		Seal, Litho	
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)		Oil case (0.00-1.00)		Gas case (0.00-1.00)		Oil & Gas case (0.00-1.00)			
Reservoir (P1) (0.00-1.00)		Trap (P2) (0.00-1.00)		Charge (P3) (0.00-1.00)		Retention (P4) (0.00-1.00)			
Parametres:									
Depth to top of prospect [m MSL] (> 0)		Low (P90)	Base	High (P10)	Comments				
Area of closure [km^2] (> 0.0)				2670					
Reservoir thickness [m] (> 0)			1,4	1,4	1,9				
HC column in prospect [m] (> 0)			77	100	123				
Gross rock vol. [10^9 m^3] (> 0.000)				100					
Net / Gross [fraction] (0.00-1.00)			0,50	0,59	0,65				
Porosity [fraction] (0.00-1.00)			0,20	0,20	0,21				
Permeability [mD] (> 0.0)									
Water Saturation [fraction] (0.00-1.00)				0,25					
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm^3/Rm^3] (< 1.00)									
GOR, free gas [Sm^3/Sm^3] (> 0)									
GOR, oil [Sm^3/Sm^3] (> 0)									
Recov. factor, oil main phase [fraction] (0.00-1.00)									
Recov. factor, gas ass. phase [fraction] (0.00-1.00)									
Recov. factor, gas main phase [fraction] (0.00-1.00)			0,77	0,80	0,83				
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)			0,35	0,39	0,43				
For NPD use:									
Temperature, top res [°C] (>0)				Innrappt av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
Cut off criteria for N/G calculation	1.	2.	3.					Kart nr	NPD will insert value

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Block	6204/11	Prospect name	E-Discovery	Discovery/Prosp/Lead		Pros ID (or New!)	NPD will insert value	NPD approved (Y/N)	
Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:		Reported by company	Wellesley	Reference document	0			Assessment year	0
This is case no.:		Structural element	Måløy Slope	Type of trap	3-way closure	Water depth [m MSL] (>0)	170	Seismic database (2D/3D)	
Resources IN PLACE and RECOVERABLE									
Volumes, this case									
In place resources	Oil [10^6 Sm^3] (>0.00)	Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
	Gas [10^9 Sm^3] (>0.00)								
Recoverable resources	Oil [10^6 Sm^3] (>0.00)								
	Gas [10^9 Sm^3] (>0.00)								
Reservoir Chrono (from)	Jurassic	Reservoir litho (from)	Sognefjord	Source Rock, chrono primary	0	Source Rock, litho primary	0	Seal, Chrono	0
Reservoir Chrono (to)	Jurassic	Reservoir litho (to)	Sognefjord	Source Rock, chrono secondary	0	Source Rock, litho secondary	0	Seal, Litho	0
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0,00	Oil case (0.00-1.00)	0,00	Gas case (0.00-1.00)	0,00	Oil & Gas case (0.00-1.00)	0,00		
Reservoir (P1) (0.00-1.00)	0,00	Trap (P2) (0.00-1.00)	0,00	Charge (P3) (0.00-1.00)	0,00	Retention (P4) (0.00-1.00)	0,00		
Parametres:									
Depth to top of prospect [m MSL] (> 0)		Low (P90)	Base	High (P10)	Comments				
Area of closure [km^2] (> 0)									
Reservoir thickness [m] (> 0)									
HC column in prospect [m] (> 0)									
Gross rock vol. [10^9 m^3] (> 0.000)									
Net / Gross [fraction] (0.00-1.00)									
Porosity [fraction] (0.00-1.00)									
Permeability [mD] (> 0.0)									
Water Saturation [fraction] (0.00-1.00)									
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm^3/Rm^3] (< 1.00)									
GOR, free gas [Sm^3/Sm^3] (> 0)									
GOR, oil [Sm^3/Sm^3] (> 0)									
Recov. factor, oil main phase [fraction] (0.00-1.00)									
Recov. factor, gas ass. phase [fraction] (0.00-1.00)									
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)				Innrappr. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
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Play name	NPD will insert value	New Play (Y/N)		Outside play (Y/N)					
Oil, Gas or O&G case:		Reported by company	Wellesley	Reference document	0			Assessment year	0
This is case no.:		Structural element	Måløy Slope	Type of trap	3-way closure	Water depth [m MSL] (>0)	170	Seismic database (2D/3D)	
Resources IN PLACE and RECOVERABLE									
Volumes, this case									
In place resources	Oil [10^6 Sm^3] (>0.00)	Low (P90)	Base, Mode	Base, Mean	High (P10)	Low (P90)	Base, Mode	Base, Mean	High (P10)
	Gas [10^9 Sm^3] (>0.00)								
Recoverable resources	Oil [10^6 Sm^3] (>0.00)								
	Gas [10^9 Sm^3] (>0.00)								
Reservoir Chrono (from)	Jurassic	Reservoir litho (from)	Sognefjord	Source Rock, chrono primary	0	Source Rock, litho primary	0	Seal, Chrono	0
Reservoir Chrono (to)	Jurassic	Reservoir litho (to)	Sognefjord	Source Rock, chrono secondary	0	Source Rock, litho secondary	0	Seal, Litho	0
Probability [fraction]									
Total (oil + gas + oil & gas case) (0.00-1.00)	0,00	Oil case (0.00-1.00)	0,00	Gas case (0.00-1.00)	0,00	Oil & Gas case (0.00-1.00)	0,00		
Reservoir (P1) (0.00-1.00)	0,00	Trap (P2) (0.00-1.00)	0,00	Charge (P3) (0.00-1.00)	0,00	Retention (P4) (0.00-1.00)	0,00		
Parametres:									
Depth to top of prospect [m MSL] (> 0)		Low (P90)	Base	High (P10)	Comments				
Area of closure [km^2] (> 0)									
Reservoir thickness [m] (> 0)									
HC column in prospect [m] (> 0)									
Gross rock vol. [10^9 m^3] (> 0.000)									
Net / Gross [fraction] (0.00-1.00)									
Porosity [fraction] (0.00-1.00)									
Permeability [mD] (> 0.0)									
Water Saturation [fraction] (0.00-1.00)									
Bg [Rm3/Sm3] (< 1.0000)									
1/Bo [Sm^3/Rm^3] (< 1.00)									
GOR, free gas [Sm^3/Sm^3] (> 0)									
GOR, oil [Sm^3/Sm^3] (> 0)									
Recov. factor, oil main phase [fraction] (0.00-1.00)									
Recov. factor, gas ass. phase [fraction] (0.00-1.00)									
Recov. factor, gas main phase [fraction] (0.00-1.00)									
Recov. factor, liquid ass. phase [fraction] (0.00-1.00)									
For NPD use:									
Temperature, top res [°C] (>0)				Innrappr. av geolog-init:	NPD will insert value	Registrert - init:	NPD will insert value	Kart oppdatert	NPD will insert value
Pressure, top res [bar] (>0)				Dato:	NPD will insert value	Registrert Dato:	NPD will insert value	Kart dato	NPD will insert value
Cut off criteria for N/G calculation	1.	2.	3.					Kart nr	NPD will insert value

Structural elements (North Sea)		Structural elements (Norwegian Sea)		Structural elements (Barents Sea)		Chronostratigraphy (ICS)		Lithostratigraphy (North Sea)		Lithostratigraphy (Norwegian Sea)		Lithostratigraphy (Barents Sea)	
Name	Level	Name	Level	Name	Level	Name	Level	Name	Level	Name	Level	Name	Level
ØYGARDEN FAULT ZONE	2	VØRING BASIN	2	BJARMELAND PLATFORM	2	DEVONIAN	1						
EAST SHETLAND BASIN	2	RÅS BASIN	3	GARDARBANKEN HIGH	3	Lower	2						
TAMPEN SPUR	3	HELLAND-HANSEN ARCH	4	HAAPET DOME	3	Lochkovian	3						
MAKRELL HORST	3	SLETTRINGEN RIDGE	4	HOOP FAULT COMPLEX	3	Pragian	3						
VIKING GRABEN	2	GRIP HIGH	4	MAUD BASIN	3	Ennsian	3						
MARFLO SPUR	3	TRÆNA BASIN	3	MERCURIUS HIGH	3	Middle	2						
LOMRE TERRACE	3	NÅGRIND SYNCLINE	3	NORSEL HIGH	3	Eifelian	3						
SLEIPNER TERRACE	3	NYK HIGH	4	NYSLIPPEN FAULT COMPLEX	3	Givetian	3						
SØGN GRABEN	2	UTGARD HIGH	4	POLSTJERNA FAULT COMP	3	Upper	2						
MÅLØY TERRACE	3	HEL GRABEN	3	SAMSON DOME	3	Frasnian	3						
SELJE HORST	4	NAGLFAR DOME	4	SVALIS DOME	3	Famennian	3						
UER TERRACE	3	FENRIS GRABEN	3	SWAEN GRABEN	3	CARBONIFEROUS	1						
HORDA PLATFORM	2	FLES FAULT COMPLEX	3	BJØRNØYA BASIN	2	Mississippian Lower	2						
UTSIRA HIGH	3	REVFALET FAULT COMPLEX	3	FINGERDUPET SUB-BASIN	3	Tournaisian	3						
STORD BASIN	3	KLAKK FAULT COMPLEX	3	LEIRDJUPET FAULT COMP	3	Mississippian Middle	2						
PATCH BANK RIDGE	3	SURT LINEAMENT	3	VESLEMOY HIGH	3	Visean	3						
BRAQE HORST	3	RYM FAULT ZONE	4	BJØRNØRENNÅ F. COMP	2	Mississippian Upper	2						
BRAQE FAULT	3	GJALLAR RIDGE	3	EDGEØYA PLATFORM	2	Serpukhovian	3						
BJØRGVIN ARCH	3	DØNNA TERRACE	3	FEDYN SKY HIGH	2	Pennsylvanian Lower	2						
OSEBERG FAULT BLOCK	3	HALTEN TERRACE	3	FINNMARK PLATFORM	2	Bashkirian	3						
NORWEGIAN DANISH BASIN	2	SKLINNA RIDGE	4	MÅSOY FAULT COMPLEX	3	Pennsylvanian Middle	2						
LING DEPRESSION	3	GRINDA GRABEN	4	SIGNALHORN DOME	3	Moscovian	3						
ÅSTA GRABEN	3	HØGBRAKEN HORST	4	THOR IVERSEN FAULT COMP	3	Pennsylvanian Upper	2						
EGERSUND BASIN	3	ELLINGRÅA GRABEN	4	TIDDLYBANKEN BASIN	3	Kasimovian	3						
LISTA FAULT BLOCK COMP.	3	GIMSAN BASIN	4	TROMS-FINNMARKE F. COMP	3	Gzhelian	3						
KRABBE FAULT ZONE	3	KYA FAULT ZONE	4	HAMMERFEST BASIN	2	PERMIAN	1						
KREPS FAULT ZONE	3	GJESLINGAN LINEAMENT	4	HARSTAD BASIN	2	Cisuralian	2						
HOLMSLAND FAULT ZONE	3	VEMA DOME	4	HORNSEND FAULT COMP	2	Asselian	3						
SELE HIGH	3	VIGRID SYCLINE	3	KNOLEGGA FAULT ZONE	3	Sakmarian	3						
FENNOSCANDIAN BORDER	2	YTREHOLMEN FAULT ZONE	3	KONG KARL PLATFORM	2	Artinskian	3						
ROTT BASIN	3	VØRING MARGINAL HIGH	2	LOPPA HIGH	2	Kungurian	3						
STAVANGER PLATFORM	3	VØRING ESCARPMENT	3	ASTERIAS FAULT COMP	3	Guadalupian	2						
EIGERØY HORST	3	GLEIPNE FRACTURE ZONE	3	POLHEM SUB-PLATFORM	3	Roadian	3						
VARNES GRABEN	3	JANMAYEN LINEAMENT	2	NORDKAPP BASIN	2	Wordian	3						
FARSUND BASIN	3	JANMAYEN FRACTURE ZONE	2	OLGA BASIN	2	Capitanian	3						
FJERRITSELEV FAULT ZONE	3	BIVROST LINEAMENT	2	RINGVASSØY-LOPPA F COMP	2	Lopingian	2						
SØRESTLANDET HIGH	2	BIVROST FRACTURE ZONE	2	SENTRALBANKEN HIGH	2	Wuchiapingian	3						
REKEFAULT ZONE	3	TRØNDALAG PLATFORM	2	STAPPEN HIGH	2	Changhsingian	3						
HUMMER FAULT ZONE	3	NORDLAND RIDGE	3	SORKAPP BASIN	2	TRIASSIC	1						
JEREN HIGH	3	SØR HIGH	4	SØRVESTSNAGET BASIN	2	Lower	2						
ULA GYDA FAULT ZONE	3	RØDØY HIGH	4	VESTBAKKEN VOLCANIC PROV.	3	Induan	3						
COFFEE SOIL FAULT	3	GRØNØY HIGH	4	TROMSØ BASIN	2	Olenekian	3						
CENTRAL TROUGH	2	HEGELAND BASIN	3	SENJA RIDGE	3	Middle	2						
COD TERRACE	3	VEGA HIGH	3	YERMAK PLATEAU	2	Anisian	3						
HIDRA HIGH	3	YLVINGEN FAULT ZONE	3			Ladinian	3						
STEINBIT TERRACE	3	BREMSTEIN FAULT COMPLEX	3			Upper	2						
PIGGVAR TERRACE	3	VINGLEIA FAULT COMPLEX	3			Carnian	3						
BREIFLABB BASIN	3	FROAN BASIN	3			Norian	3						
FEDA GRABEN	3	FØRØYA HIGH	3			Rhaetian	3						
GERTRUD GRABEN	3	MORE BASIN	2			JURASSIC	1						
LINDESNES RIDGE	3	MORE-TRØNDALAG F COM	3			Lower	2						
ÅL BASIN	3	MANET RIDGE	4			Hettangian	3						
GRENSEN NOSE	3	GNAUSEN HIGH	4			Sinemurian	3						
JOSEPHINE HIGH	3	GISKE HIGH	4			Pliensbachian	3						
SØGNE BASIN	3	GOSSA HIGH	4			Toarcian	3						
		ONA HIGH	4			Middle	2						
		MAGNUS BASIN	4			Aalenian	3						
		MARULK BASIN	4			Bajocian	3						
		SLØREBOTN SUB-BASIN	4			Bathonian	3						
		ORMEN LANGE DOME	3			Cellovian	3						
		VIGRA HIGH	3			Upper	2						
		MODGUNN ARCH	4			Oxfordian	3						

For Lithostratigraphic names, please refer to www.npd.no (fact pages)

MORE MARGINAL HIGH	2
FÆRØY-SHETLAND ESCARPMENT	3
VESTFJORDEN BASIN	2
LOFOTEN RIDGE	2
RIBBAN BASIN	2
SKOMVÆR SUB-BASIN	3
HAVBÆN SUB-BASIN	3
UTROST RIDGE	2
RØST HIGH	3
MARMÆLE SPUR	3
JENNEGGA HIGH	3
WESTERDJUPET FAULT ZONE	2

<i>Kimmeridgian</i>	3
<i>Tithonian</i>	3
CRETACEOUS	1
Lower	2
<i>Berriasian</i>	3
<i>Valanginian</i>	3
<i>Hauterivian</i>	3
<i>Barremian</i>	3
<i>Aptian</i>	3
<i>Albian</i>	3
Upper	2
<i>Cenomanian</i>	3
<i>Turonian</i>	3
<i>Coniacian</i>	3
<i>Santonian</i>	3
<i>Campanian</i>	3
<i>Maastrichtian</i>	3
PALEOGENE	1
Paleocene	2
<i>Danian</i>	3
<i>Selandian</i>	3
<i>Thanetian</i>	3
Eocene	2
<i>Ypresian</i>	3
<i>Lutetian</i>	3
<i>Bartonian</i>	3
<i>Priabonian</i>	3
Oligocene	2
<i>Rupelian</i>	3
<i>Chattian</i>	3
NEOGENE	1
Miocene	2
<i>Aquitanian</i>	3
<i>Burdigalian</i>	3
<i>Langhian</i>	3
<i>Serravallian</i>	3
<i>Tortonian</i>	3
<i>Messinian</i>	3
Pliocene	2
<i>Zanclean</i>	3
<i>Piacenzian</i>	3
Pleistocene	2
<i>Gelasian</i>	3
<i>Calabrian</i>	3
<i>Ionian</i>	3
<i>Tarantian</i>	3
Holocene	2