



Assessment Unit (name, no.)  
 Scenario (name, no.)

Baffin Bay Basin, 52080104

Probability of occurrence (0-1.0)

Scenario Probability:

**Assessment-Unit Probabilities:** (Adequacy for at least one undiscovered field of minimum size)

<u>Attribute</u>	<u>Probability of occurrence (0-1.0)</u>
1. <b>CHARGE:</b> Adequate petroleum charge:	<u>0.4</u>
2. <b>ROCKS:</b> Adequate reservoirs, traps, and seals:	<u>0.7</u>
3. <b>TIMING OF GEOLOGIC EVENTS:</b> Favorable timing:	<u>1.0</u>
<b>Assessment-Unit GEOLOGIC Probability</b> (Product of 1, 2, and 3):	<u>0.280</u>

### UNDISCOVERED ACCUMULATIONS

**Number of Undiscovered Accumulations:** How many undiscovered accumulations exist that are at least the minimum size?: (uncertainty of fixed but unknown values)

Total Accumulations:	minimum (>0) <u>1</u>	median <u>40</u>	maximum <u>140</u>
Oil/Gas Mix:	minimum (>0) <u>0.1</u>	mode <u>0.5</u>	maximum <u>0.9</u>
	<u>X</u> # of oil accumulations / # of total accumulations		
	# of oil accumulations / # of gas accumulations		
	# of gas accumulations / # of oil accumulations		
Oil Accumulations:	minimum (>0) <u>1</u>	median <u>20</u>	maximum <u>125</u>
Gas Accumulations:	minimum (>0) <u>1</u>	median <u>20</u>	maximum <u>125</u>

**Sizes of Undiscovered Accumulations:** What are the sizes (**grown**) of the above accumulations?: (variations in the sizes of undiscovered accumulations)

Oil in Oil Accumulations (mmbb):	minimum <u>50</u>	median <u>120</u>	maximum <u>6000</u>
Gas in Gas Accumulations (bcfg):	minimum <u>300</u>	median <u>720</u>	maximum <u>36000</u>

### RATIOS FOR UNDISCOVERED ACCUMULATIONS, TO ASSESS COPRODUCTS

(variations in the properties of undiscovered accumulations)

<u>Oil Accumulations:</u>	minimum	median	maximum
Gas/oil ratio (cfg/bo):	<u>500</u>	<u>1600</u>	<u>10000</u>
NGL/gas ratio (bnlq/mmcfg):	<u>4</u>	<u>15</u>	<u>22</u>
<u>Gas Accumulations:</u>	minimum	median	maximum
Liquids/gas ratio (bliq/mmcfg):	<u>3</u>	<u>20</u>	<u>80</u>

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**SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS**

(variations in the properties of undiscovered accumulations)

Oil Accumulations:

	minimum	median	maximum
API gravity (degrees):	23	40	55
Viscosity (centipoise)	120	280	8200
Sulfur content of oil (%):	0.24	0.7	5
Depth (m) of water (if applicable):	700	1500	2200

	minimum	F75	median	F25	maximum
Drilling Depth (m):	500		2000		5000

Gas Accumulations:

	minimum	median	maximum
Inert gas content (%):	1.5	3.8	17
Carbon dioxide content (%):	1.4	5	28
Hydrogen sulfide content (%):	0.7	1.5	6
Depth (m) of water (if applicable):	700	1500	2200

	minimum	F75	median	F25	maximum
Drilling Depth (m):	500		2500		9000

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**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ARCTIC AREA**

1 North of Arctic Circle

100 area % of the AU

Oil in Oil Accumulations: 100 volume % of the AU

Gas in Gas Accumulations: 100 volume % of the AU

2 South of Arctic Circle

           area % of the AU

Oil in Oil Accumulations:            volume % of the AU

Gas in Gas Accumulations:            volume % of the AU

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### ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore portion of

100 area % of the AU

Oil in Oil Accumulations: 100 volume % of the AU

Gas in Gas Accumulations: 100 volume % of the AU

2 Onshore portion of:

\_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: \_\_\_\_\_ volume % of the AU

Gas in Gas Accumulations: \_\_\_\_\_ volume % of the AU

3 Offshore portion of:

\_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: \_\_\_\_\_ volume % of the AU

Gas in Gas Accumulations: \_\_\_\_\_ volume % of the AU

4 Onshore portion of:

\_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: \_\_\_\_\_ volume % of the AU

Gas in Gas Accumulations: \_\_\_\_\_ volume % of the AU

5 Onshore portion of:

\_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: \_\_\_\_\_ volume % of the AU

Gas in Gas Accumulations: \_\_\_\_\_ volume % of the AU

6 Onshore portion of:

\_\_\_\_\_ area % of the AU

Oil in Oil Accumulations: \_\_\_\_\_ volume % of the AU

Gas in Gas Accumulations: \_\_\_\_\_ volume % of the AU