



Assessment Unit (name, no.) Foredeep Basins, 10080103  
 Scenario (name, no.) \_\_\_\_\_

**Scenario Probability:** \_\_\_\_\_  
 Probability of occurrence (0-1.0)

**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>1.0</u>
2. <b>ROCKS:</b> Adequate reservoirs, traps, and seals:	<u>0.6</u>
3. <b>TIMING OF GEOLOGIC EVENTS:</b> Favorable timing:	<u>0.9</u>
<b>Assessment-Unit GEOLOGIC Probability</b> (Product of 1, 2, and 3):	<u>0.54</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>16</u>	maximum <u>55</u>
Oil/Gas Mix:	minimum (>0) <u>0</u>	mode <u>0</u>	maximum <u>15</u>
	<u>X</u> no. of oil accumulations / no. of total accumulations		
	no. of oil accumulations / no. of gas accumulations		
	no. of gas accumulations / no. of oil accumulations		
Oil Accumulations:	minimum (>0) <u>0</u>	median <u>1</u>	maximum <u>8</u>
Gas Accumulations:	minimum (>0) <u>1</u>	median <u>15</u>	maximum <u>55</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 (MMBO):	minimum <u>50</u>	median <u>110</u>	maximum <u>1,200</u>
Gas in Gas Accumulations (BCFG):	minimum <u>300</u>	median <u>660</u>	maximum <u>5,000</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>1,000</u>	<u>12,000</u>
NGL/gas ratio (BNGL/MMCFG):	<u>5</u>	<u>20</u>	<u>110</u>
<u>Gas Accumulations:</u>	minimum	median	maximum
Liquids/gas ratio (BLIQ/MMCFG):	<u>5</u>	<u>20</u>	<u>80</u>

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**SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS**

(variations in the properties of undiscovered accumulations)

<u>Oil Accumulations:</u>	minimum		median		maximum
API gravity (degrees):	<u>30</u>		<u>35</u>		<u>40</u>
Viscosity (centipoise)	<u>0.01</u>		<u>2.9</u>		<u>30</u>
Sulfur content of oil (%):	<u>0.1</u>		<u>0.4</u>		<u>1</u>
Depth (m) of water (if applicable):	<u>0</u>		<u>10</u>		<u>20</u>
	minimum	F75	median	F25	maximum
Drilling depth (m):	<u>2,000</u>		<u>4,000</u>		<u>5,500</u>

<u>Gas Accumulations:</u>	minimum		median		maximum
Inert gas content (%):	<u>2</u>		<u>4</u>		<u>7</u>
Carbon dioxide content (%):	<u>0.5</u>		<u>3</u>		<u>6</u>
Hydrogen sulfide content (%):	<u>0</u>		<u>0.5</u>		<u>2</u>
Depth (m) of water (if applicable):	<u>0</u>		<u>10</u>		<u>20</u>
	minimum	F75	median	F25	maximum
Drilling depth (m):	<u>2,500</u>		<u>4,000</u>		<u>7,000</u>

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

1 North of Arctic Circle \_\_\_\_\_  
57 area % of the AU  
 Oil in Oil Accumulations: 57 volume % of the AU  
 Gas in Gas Accumulations: 57 volume % of the AU

2 South of Arctic Circle \_\_\_\_\_  
43 area % of the AU  
 Oil in Oil Accumulations: 43 volume % of the AU  
 Gas in Gas Accumulations: 43 volume % of the AU

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**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES**

1 Offshore \_\_\_\_\_  
12.9 area % of the AU  
Oil in Oil Accumulations: 12.9 volume % of the AU  
Gas in Gas Accumulations: 12.9 volume % of the AU

2 Onshore portion of: Russian Federation  
87.1 area % of the AU  
Oil in Oil Accumulations: 87.1 volume % of the AU  
Gas in Gas Accumulations: 87.1 volume % of the AU

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**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO PROVINCES**

1 ONSHORE portion of: None  
\_\_\_\_\_ area % of the AU  
Oil in Oil Accumulations: \_\_\_\_\_ volume % of the AU  
Gas in Gas Accumulations: \_\_\_\_\_ volume % of the AU

OFFSHORE portion of: None  
\_\_\_\_\_ area % of the AU  
Oil in Oil Accumulations: \_\_\_\_\_ volume % of the AU  
Gas in Gas Accumulations: \_\_\_\_\_ volume % of the AU