

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

Main Basin Platform, 10080102

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. CHARGE: Adequate petroleum charge: | <u>1.0</u> |
| 2. ROCKS: Adequate reservoirs, traps, and seals: | <u>1.0</u> |
| 3. TIMING OF GEOLOGIC EVENTS: Favorable timing: | <u>1.0</u> |
| Assessment-Unit GEOLOGIC Probability (Product of 1, 2, and 3): | <u>1.0</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>33</u> | maximum <u>80</u> |
| Oil/Gas Mix: | minimum (>0) <u>0.5</u> | mode <u>0.85</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>25</u> | maximum <u>72</u> |
| Gas Accumulations: | minimum (>0) <u>0</u> | median <u>8</u> | maximum <u>40</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>80</u> | maximum <u>2000</u> |
| Gas in Gas Accumulations (bcfg): | minimum <u>300</u> | median <u>480</u> | maximum <u>6000</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>1000</u> | <u>12000</u> |
| NGL/gas ratio (bnlq/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> |

SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS

(variations in the properties of undiscovered accumulations)

| <u>Oil Accumulations:</u> | minimum | median | maximum |
|-------------------------------------|-------------|------------|-----------|
| API gravity (degrees): | <u>20</u> | <u>35</u> | <u>55</u> |
| Viscosity (centipoise) | <u>0.01</u> | <u>22</u> | <u>30</u> |
| Sulfur content of oil (%): | <u>0.1</u> | <u>0.7</u> | <u>2</u> |
| Depth (m) of water (if applicable): | <u>0</u> | <u>10</u> | <u>30</u> |

| | minimum | F75 | median | F25 | maximum |
|---------------------|-------------|-----|-------------|-----|-------------|
| Drilling Depth (m): | <u>1200</u> | | <u>2500</u> | | <u>4500</u> |

| <u>Gas Accumulations:</u> | minimum | median | maximum |
|-------------------------------------|------------|-------------|------------|
| Inert gas content (%): | <u>0.5</u> | <u>3</u> | <u>8</u> |
| Carbon dioxide content (%): | <u>0.1</u> | <u>0.6</u> | <u>4</u> |
| Hydrogen sulfide content (%): | <u>0</u> | <u>0.05</u> | <u>0.2</u> |
| Depth (m) of water (if applicable): | <u>0</u> | <u>10</u> | <u>30</u> |

| | minimum | F75 | median | F25 | maximum |
|---------------------|-------------|-----|-------------|-----|-------------|
| Drilling Depth (m): | <u>1200</u> | | <u>3000</u> | | <u>4500</u> |

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ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ARCTIC AREA

1 North of Arctic Circle

48.98 area % of the AU

Oil in Oil Accumulations: 50.00 volume % of the AU

Gas in Gas Accumulations: 50.00 volume % of the AU

2 South of Arctic Circle

51.02 area % of the AU

Oil in Oil Accumulations: 50.00 volume % of the AU

Gas in Gas Accumulations: 50.00 volume % of the AU

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ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore

13.52 area % of the AU

Oil in Oil Accumulations: 14.00 volume % of the AU

Gas in Gas Accumulations: 14.00 volume % of the AU

2 Onshore portion of:

Russia

86.48 area % of the AU

Oil in Oil Accumulations: 86.00 volume % of the AU

Gas in Gas Accumulations: 86.00 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