

Assessment Unit (name, no.) Hope Basin, 50820101
 Scenario (name, no.) _____

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>0.3</u>
2. ROCKS: Adequate reservoirs, traps, and seals:	<u>0.7</u>
3. TIMING OF GEOLOGIC EVENTS: Favorable timing:	<u>0.8</u>
Assessment-Unit GEOLOGIC Probability (Product of 1, 2, and 3):	<u>0.168</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>5</u>	maximum <u>40</u>
Oil/Gas Mix:	minimum (>0) <u>0</u>	mode <u>0.02</u>	maximum <u>0.1</u>
	<u>X</u> # of oil accumulations / # of total accumulations		
	<u> </u> # of oil accumulations / # of gas accumulations		
	<u> </u> # of gas accumulations / # of oil accumulations		
Oil Accumulations:	minimum (>0) <u>0</u>	median <u>0.2</u>	maximum <u>4</u>
Gas Accumulations:	minimum (>0) <u>1</u>	median <u>5</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 (mmbo):	minimum <u>50</u>	median <u>70</u>	maximum <u>300</u>
Gas in Gas Accumulations (bcfg):	minimum <u>300</u>	median <u>500</u>	maximum <u>5000</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>50</u>	<u>1400</u>	<u>20000</u>
NGL/gas ratio (bngl/mmcf):	<u>2</u>	<u>16</u>	<u>90</u>
<u>Gas Accumulations:</u>	minimum	median	maximum
Liquids/gas ratio (bliq/mmcf):	<u>1</u>	<u>13</u>	<u>150</u>

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

Hope Basin, 50820101

SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS

(variations in the properties of undiscovered accumulations)

Oil Accumulations:

	minimum	median	maximum
API gravity (degrees):	<u>1</u>	<u>38</u>	<u>55</u>
Viscosity (centipoise)	<u>0.01</u>	<u>2.9</u>	<u>30</u>
Sulfur content of oil (%):	<u>0</u>	<u>0.3</u>	<u>91</u>
Depth (m) of water (if applicable):	<u>0</u>	<u>50</u>	<u>100</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>500</u>		<u>2000</u>		<u>5000</u>

Gas Accumulations:

	minimum	median	maximum
Inert gas content (%):	<u>0</u>	<u>2</u>	<u>97</u>
Carbon dioxide content (%):	<u>0</u>	<u>1.4</u>	<u>100</u>
Hydrogen sulfide content (%):	<u>0</u>	<u>0.4</u>	<u>44</u>
Depth (m) of water (if applicable):	<u>0</u>	<u>50</u>	<u>100</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>500</u>		<u>2000</u>		<u>5000</u>

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

Hope Basin, 50820101

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ARCTIC AREA

1 North of Arctic Circle

98.30 area % of the AU

Oil in Oil Accumulations: 99.00 volume % of the AU

Gas in Gas Accumulations: 99.00 volume % of the AU

2 South of Arctic Circle

1.70 area % of the AU

Oil in Oil Accumulations: 1.00 volume % of the AU

Gas in Gas Accumulations: 1.00 volume % of the AU

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

Hope Basin, 50820101

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore

94.33 area % of the AU

Oil in Oil Accumulations: 99.00 volume % of the AU
Gas in Gas Accumulations: 99.00 volume % of the AU

2 Onshore portion of:

Russia

5.23 area % of the AU

Oil in Oil Accumulations: 0 volume % of the AU
Gas in Gas Accumulations: 0 volume % of the AU

3 Onshore portion of:

U.S.A.

0.44 area % of the AU

Oil in Oil Accumulations: 1.00 volume % of the AU
Gas in Gas Accumulations: 1.00 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