



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

Alaska Passive Margin, 50790102

Probability of occurrence (0-1.0)

Scenario Probability:

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

Attribute	Probability of occurrence (0-1.0)
1. <b>CHARGE:</b> Adequate petroleum charge:	0.6
2. <b>ROCKS:</b> Adequate reservoirs, traps, and seals:	0.9
3. <b>TIMING OF GEOLOGIC EVENTS:</b> Favorable timing:	1.0
<b>Assessment-Unit GEOLOGIC Probability</b> (Product of 1, 2, and 3):	0.540

### 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)	1	median	20	maximum	50
Oil/Gas Mix:	minimum (>0)	0.4	mode	0.7	maximum	0.9
	X	# of oil accumulations / # of total accumulations				
		# of oil accumulations / # of gas accumulations				
		# of gas accumulations / # of oil accumulations				
Oil Accumulations:	minimum (>0)	1	median	13	maximum	45
Gas Accumulations:	minimum (>0)	0	median	6	maximum	30

**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	50	median	100	maximum	1000
Gas in Gas Accumulations (bcfg):	minimum	300	median	600	maximum	6000

### 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):	500	2500	20000
NGL/gas ratio (bnlq/mmcf):	1	6	50
<u>Gas Accumulations:</u>	minimum	median	maximum
Liquids/gas ratio (bliq/mmcf):	1	10	60

**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>28</u>	<u>40</u>
Viscosity (centipoise)	<u>1</u>	<u>3</u>	<u>30</u>
Sulfur content of oil (%):	<u>0</u>	<u>0.5</u>	<u>2</u>
Depth (m) of water (if applicable):	<u>20</u>	<u>500</u>	<u>3700</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>1500</u>		<u>2500</u>		<u>5000</u>

<u>Gas Accumulations:</u>	minimum	median	maximum
Inert gas content (%):	<u>0</u>	<u>2</u>	<u>10</u>
Carbon dioxide content (%):	<u>0</u>	<u>2</u>	<u>10</u>
Hydrogen sulfide content (%):	<u>0</u>	<u>0.5</u>	<u>3.5</u>
Depth (m) of water (if applicable):	<u>20</u>	<u>500</u>	<u>3700</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>1500</u>		<u>3000</u>		<u>6500</u>

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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

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 Onshore 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