



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

Liverpool Land Basin, 52000202

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>0.8</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>0.288</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>8</u>	maximum <u>35</u>
Oil/Gas Mix:	minimum (>0) <u>0.25</u>	mode <u>0.5</u>	maximum <u>0.75</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>4</u>	maximum <u>25</u>
Gas Accumulations:	minimum (>0) <u>1</u>	median <u>4</u>	maximum <u>25</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 (mmb):	minimum <u>50</u>	median <u>100</u>	maximum <u>2500</u>
Gas in Gas Accumulations (bcfg):	minimum <u>300</u>	median <u>600</u>	maximum <u>15000</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>0</u>	<u>1600</u>	<u>2000</u>
NGL/gas ratio (bnlq/mmcf):	<u>0</u>	<u>60</u>	<u>600</u>
<u>Gas Accumulations:</u>	minimum	median	maximum
Liquids/gas ratio (bliq/mmcf):	<u>0</u>	<u>90</u>	<u>350</u>

**SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS**

(variations in the properties of undiscovered accumulations)

Oil Accumulations:

	minimum	median	maximum
API gravity (degrees):	<u>25</u>	<u>44</u>	<u>55</u>
Viscosity (centipoise)	<u>0.5</u>	<u>0.7</u>	<u>2.3</u>
Sulfur content of oil (%):	<u>0.05</u>	<u>0.09</u>	<u>0.3</u>
Depth (m) of water (if applicable):	<u>400</u>	<u>500</u>	<u>600</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>500</u>		<u>2750</u>		<u>5000</u>

Gas Accumulations:

	minimum	median	maximum
Inert gas content (%):	<u>0.1</u>	<u>0.6</u>	<u>3</u>
Carbon dioxide content (%):	<u>0.1</u>	<u>3</u>	<u>6</u>
Hydrogen sulfide content (%):	<u>0.5</u>	<u>3</u>	<u>10</u>
Depth (m) of water (if applicable):	<u>400</u>	<u>500</u>	<u>600</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>500</u>		<u>2750</u>		<u>5000</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