

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

North Sakhalin Basin, 13220101

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> </u>	median <u> </u>	maximum <u> </u>
Oil/Gas Mix:	minimum <u> </u>	mode <u> </u>	maximum <u> </u>
	<u> </u> number of oil accumulations / number of total accumulations		
	<u> </u> number of oil accumulations / number of gas accumulations		
	<u> </u> number of gas accumulations / number of oil accumulations		
Oil Accumulations:	minimum <u> 1 </u>	median <u> 90 </u>	maximum <u> 360 </u>
Gas Accumulations:	minimum <u> 1 </u>	median <u> 70 </u>	maximum <u> 280 </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> 5 </u>	median <u> 15 </u>	maximum <u> 3000 </u>
Gas in Gas Accumulations (BCFG):	minimum <u> 30 </u>	median <u> 90 </u>	maximum <u> 18000 </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> 10 </u>	<u> 3000 </u>	<u> 18000 </u>
NGL/gas ratio (BNGL/MMCFG):	<u> 4 </u>	<u> 10 </u>	<u> 30 </u>
<u>Gas Accumulations:</u>	minimum	median	maximum
Liquids/gas ratio (BLIQ/MMCFG):	<u> 1 </u>	<u> 22 </u>	<u> 35 </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>34</u>		<u>55</u>
Viscosity (centipoise): cs	<u>0</u>		<u>1</u>		<u>240</u>
Sulfur content of oil (%):	<u>0</u>		<u>0.2</u>		<u>25</u>
Depth (m) of water (if applicable):	<u>0</u>		<u>100</u>		<u>1500</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>1000</u>		<u>2000</u>		<u>4000</u>

<u>Gas Accumulations:</u>	minimum		median		maximum
Inert gas content (%):	<u>0</u>		<u>1</u>		<u>15</u>
Carbon dioxide content (%):	<u>0</u>		<u>0.6</u>		<u>5</u>
Hydrogen sulfide content (%):	<u>0</u>		<u>0.01</u>		<u>0.25</u>
Depth (m) of water (if applicable):	<u>0</u>		<u>100</u>		<u>1500</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>1000</u>		<u>3000</u>		<u>6000</u>

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ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore

90.49 area % of the AU

Oil in Oil Accumulations: 97.00 volume % of the AU

Gas in Gas Accumulations: 97.00 volume % of the AU

2 Onshore portion of:

Russia

9.51 area % of the AU

Oil in Oil Accumulations: 3.00 volume % of the AU

Gas in Gas Accumulations: 3.00 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

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ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO PROVINCES

1 ONSHORE portion of: North Sakhalin Basin, 1322

9.39 area % of the AU

Oil in Oil Accumulations: 3.00 volume % of the AU
Gas in Gas Accumulations: 3.00 volume % of the AU

OFFSHORE portion of: North Sakhalin Basin, 1322

24.09 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 ONSHORE portion of: Deryugin Basin, 1321

0.11 area % of the AU

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

OFFSHORE portion of: Deryugin Basin, 1321

63.83 area % of the AU

Oil in Oil Accumulations: 44.50 volume % of the AU
Gas in Gas Accumulations: 44.50 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

OFFSHORE portion of: Sikhote-Alin Folded Region, 1224

0.52 area % of the AU

Oil in Oil Accumulations: 0.50 volume % of the AU
Gas in Gas Accumulations: 0.50 volume % of the AU

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4 ONSHORE portion of: _____
_____ area % of the AU
Oil in Oil Accumulations: _____ volume % of the AU
Gas in Gas Accumulations: _____ volume % of the AU

OFFSHORE portion of: Central Okhotsk High, 1319
_____ 2.05 area % of the AU
Oil in Oil Accumulations: 2.00 volume % of the AU
Gas in Gas Accumulations: 2.00 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

OFFSHORE 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

OFFSHORE portion of: _____
_____ area % of the AU
Oil in Oil Accumulations: _____ volume % of the AU
Gas in Gas Accumulations: _____ volume % of the AU