

**USGS WORLD PETROLEUM RESOURCES ASSESSMENT
INPUT FORM FOR CONVENTIONAL ASSESSMENT UNITS (Version 6.0, September 2, 2008)**

IDENTIFICATION INFORMATION

Assessment Geologist:	<u>C.J. Schenk</u>	Date:	<u>25-Aug-11</u>
Region:	<u>Asia Pacific</u>	Number:	<u>3</u>
Province:	<u>Papuan Basin-Shelf Platform</u>	Number:	<u>3969</u>
Total Petroleum System:	<u>Mesozoic-Cenozoic Composite</u>	Number:	<u>396901</u>
Assessment Unit:	<u>Papua Platform</u>	Number:	<u>39690101</u>
Scenario:	<u></u>	Number:	<u></u>
Based on Data as of:	<u>IHS (2009)</u>		
Notes from Assessor:	<u>NRG field reserve growth function, 30 yrs</u>		

CHARACTERISTICS OF ASSESSMENT UNIT

Area of assessment unit: 171,235 square kilometers

Minimum assessed accumulation size: 5 MMBOE (grown)

No. of discovered accumulations exceeding minimum size: Oil: 0 Gas: 11

Uncertainty Class:	Check One	Number
Producing fields	<u>X</u>	<u></u>
Discoveries	<u></u>	<u></u>
Wells	<u></u>	<u></u>
Seismic	<u></u>	<u></u>
No seismic	<u></u>	<u></u>

Median size (grown) of discovered oil accumulations (MMBO):

1st 3rd	<u></u>	2nd 3rd	<u></u>	3rd 3rd	<u></u>
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Median size (grown) of discovered gas accumulations (BCFG):

1st 3rd	<u>155</u>	2nd 3rd	<u>589</u>	3rd 3rd	<u></u>
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ANALOGS USED IN ESTIMATING INPUT

<u>Purpose</u>	<u>Analog or Analog Set</u>
1 <u>Number and sizes</u>	<u>Foreland basin</u>
	<u></u>
	<u></u>
2 <u></u>	<u></u>
	<u></u>
	<u></u>
3 <u></u>	<u></u>
	<u></u>
	<u></u>
4 <u></u>	<u></u>
	<u></u>
	<u></u>

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

Papua Platform, 39690101

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. CHARGE: Adequate petroleum charge:	1.0
2. ROCKS: Adequate reservoirs, traps, and seals:	1.0
3. TIMING OF GEOLOGIC EVENTS: Favorable timing:	1.0
Assessment-Unit GEOLOGIC Probability (Product of 1, 2, and 3):	1.0

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)	median	maximum
Oil/Gas Mix:	minimum	mode	maximum
	number of oil accumulations / number of total accumulations		
	number of oil accumulations / number of gas accumulations		
	number of gas accumulations / number of oil accumulations		
Oil Accumulations:	minimum 1	median 13	maximum 50
Gas Accumulations:	minimum 1	median 60	maximum 200

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 5	median 15	maximum 300
Gas in Gas Accumulations (BCFG):	minimum 30	median 90	maximum 1800

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):	1000	6000	15000
NGL/gas ratio (BNGL/MMCFG):	1	15	40
<u>Gas Accumulations:</u>	minimum	median	maximum
Liquids/gas ratio (BLIQ/MMCFG):	1	17	40

SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS

(variations in the properties of undiscovered accumulations)

Oil Accumulations:

	minimum	median	maximum
API gravity (degrees):	<u>32</u>	<u>44</u>	<u>55</u>
Viscosity (centipoise)	<u></u>	<u></u>	<u></u>
Sulfur content of oil (%):	<u>0</u>	<u>0.06</u>	<u>1</u>
Depth (m) of water (if applicable):	<u>0</u>	<u>20</u>	<u>100</u>

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

Gas Accumulations:

	minimum	median	maximum
Inert gas content (%):	<u>1</u>	<u>6</u>	<u>10</u>
Carbon dioxide content (%):	<u>0</u>	<u>0.6</u>	<u>3</u>
Hydrogen sulfide content (%):	<u>0</u>	<u>0.6</u>	<u>1</u>
Depth (m) of water (if applicable):	<u>0</u>	<u>20</u>	<u>100</u>

	minimum	F75	median	F25	maximum
Drilling Depth (m):	<u>1000</u>		<u>2500</u>		<u>4500</u>

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

Papua Platform, 39690101

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore

47.83 area % of the AU

Oil in Oil Accumulations: 48.00 volume % of the AU

Gas in Gas Accumulations: 48.00 volume % of the AU

2 Onshore portion of:

Papua-New Guinea

52.17 area % of the AU

Oil in Oil Accumulations: 52.00 volume % of the AU

Gas in Gas Accumulations: 52.00 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

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO PROVINCES

1 ONSHORE portion of: Arafura Basin-Irian Jaya, 3801

4.06 area % of the AU

Oil in Oil Accumulations: 4.00 volume % of the AU

Gas in Gas Accumulations: 4.00 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

2 ONSHORE portion of: Merauke Platform, 3820

0.51 area % of the AU

Oil in Oil Accumulations: 1.00 volume % of the AU

Gas in Gas Accumulations: 1.00 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

3 ONSHORE portion of: Carpentaria Basin, 3917

2.08 area % of the AU

Oil in Oil Accumulations: 2.00 volume % of the AU

Gas in Gas Accumulations: 2.00 volume % of the AU

OFFSHORE portion of: Carpentaria Basin, 3917

0.91 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.)
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Papua Platform, 39690101

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO PROVINCES

4 ONSHORE portion of: Papuan Basin-Shelf Platform, 3969

45.51 area % of the AU

Oil in Oil Accumulations: 45.00 volume % of the AU
Gas in Gas Accumulations: 45.00 volume % of the AU

OFFSHORE portion of: Papuan Basin-Shelf Platform, 3969

45.51 area % of the AU

Oil in Oil Accumulations: 46.00 volume % of the AU
Gas in Gas Accumulations: 46.00 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: Ocean, 9000

1.25 area % of the AU

Oil in Oil Accumulations: 1.00 volume % of the AU
Gas in Gas Accumulations: 1.00 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: New Guinea Foreland Basin-Fold Belt, 3966

0.16 area % of the AU

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