

**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>31-Aug-11</u>
Region:	<u>Asia Pacific</u>	Number:	<u>3</u>
Province:	<u>Banda Arc</u>	Number:	<u>3803</u>
Total Petroleum System:	<u>Mesozoic-Cenozoic Composite</u>	Number:	<u>380301</u>
Assessment Unit:	<u>Seram Thrust Structures</u>	Number:	<u>38030102</u>
Scenario:		Number:	
Based on Data as of:	<u>IHS (2009)</u>		
Notes from Assessor:	<u>NRG Field Reserve Growth Function, 30 years</u>		

CHARACTERISTICS OF ASSESSMENT UNIT

Area of assessment unit: 36,381 square kilometers

Minimum assessed accumulation size: 5 MMBOE (grown)

No. of discovered accumulations exceeding minimum size: Oil: 4 Gas: 1

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>9.6</u>	2nd 3rd	<u>51.6</u>	3rd 3rd	<u> </u>
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Median size (grown) of discovered gas accumulations (BCFG):

1st 3rd	<u> </u>	2nd 3rd	<u> </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>Sizes/Numbers</u>	<u>Compressional</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.)

Seram Thrust Structures, 38030102

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	_____
		_____				_____
		_____				_____
		_____				_____
Oil Accumulations:	minimum	1	median	23	maximum	75
Gas Accumulations:	minimum	1	median	23	maximum	75

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	1000
Gas in Gas Accumulations (BCFG):	minimum	30	median	90	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):		240		2000		6000
NGL/gas ratio (BNGL/MMCFG):		5		30		85
<u>Gas Accumulations:</u>	minimum	_____	median	_____	maximum	_____
Liquids/gas ratio (BLIQ/MMCFG):		5		30		75

SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS
 (variations in the properties of undiscovered accumulations)

<u>Oil Accumulations:</u>	minimum		median		maximum
API gravity (degrees):	<u>15</u>		<u>26</u>		<u>42</u>
Viscosity (centipoise)					
Sulfur content of oil (%):	<u>0.1</u>		<u>1</u>		<u>6</u>
Depth (m) of water (if applicable):	<u>0</u>		<u>10</u>		<u>50</u>

Drilling Depth (m):	minimum	F75	median	F25	maximum
	<u>500</u>		<u>1500</u>		<u>4500</u>

<u>Gas Accumulations:</u>	minimum		median		maximum
Inert gas content (%):	<u>0.6</u>		<u>8</u>		<u>20</u>
Carbon dioxide content (%):	<u>0.4</u>		<u>3</u>		<u>7</u>
Hydrogen sulfide content (%):	<u>0</u>		<u>0.01</u>		<u>1</u>
Depth (m) of water (if applicable):	<u>0</u>		<u>10</u>		<u>50</u>

Drilling Depth (m):	minimum	F75	median	F25	maximum
	<u>500</u>		<u>2000</u>		<u>6000</u>

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

Seram Thrust Structures, 38030102

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore

79.05 area % of the AU

Oil in Oil Accumulations: 79.00 volume % of the AU

Gas in Gas Accumulations: 79.00 volume % of the AU

2 Onshore portion of:

Indonesia

20.95 area % of the AU

Oil in Oil Accumulations: 21.00 volume % of the AU

Gas in Gas Accumulations: 21.00 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: Banda Arc, 3803
20.95 area % of the AU
Oil in Oil Accumulations: 21.00 volume % of the AU
Gas in Gas Accumulations: 21.00 volume % of the AU

OFFSHORE portion of: Banda Arc, 3803
79.05 area % of the AU
Oil in Oil Accumulations: 79.00 volume % of the AU
Gas in Gas Accumulations: 79.00 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

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: _____
_____ 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

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO PROVINCES

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: _____
_____ 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

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