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

IDENTIFICATION INFORMATION

Assessment Geologist:	C.J. Schenk	Date:	25-Aug-11
Region:	Asia Pacific	Number:	3
Province:	Bintuni-Sulawati	Number:	3805
Total Petroleum System:	Mesozoic-Cenozoic Composite	Number:	380501
Assessment Unit:	Bintuni Basin	Number:	38050101
Scenario:		Number:	
Based on Data as of:	IHS (2009)		
Notes from Assessor:	NRG field reserve growth function, 30 yrs		

CHARACTERISTICS OF ASSESSMENT UNIT

Area of assessment unit: 78,451 square kilometers

Minimum assessed accumulation size: 5 MMBOE (grown)

No. of discovered accumulations exceeding minimum size: Oil: 2 Gas: 7

Uncertainty Class:	Check One	Number
Producing fields	X	
Discoveries		
Wells		
Seismic		
No seismic		

Median size (grown) of discovered oil accumulations (MMBO):
1st 3rd _____ 2nd 3rd _____ 3rd 3rd _____

Median size (grown) of discovered gas accumulations (BCFG):
1st 3rd 1511 2nd 3rd 2738 3rd 3rd _____

ANALOGS USED IN ESTIMATING INPUT

	Purpose	Analog or Analog Set
1	Sizes/Numbers	Foreland basins
2		
3		
4		

Assessment Unit (name, no.) Bintuni Basin, 38050101
Scenario (name, no.)

Scenario Probability: Probability of occurrence (0-1.0) _____

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	10	maximum	30
Gas Accumulations:	minimum	1	median	66	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	12	maximum	200
Gas in Gas Accumulations (BCFG):	minimum	30	median	72	maximum	20000

RATIOS FOR UNDISCOVERED ACCUMULATIONS, TO ASSESS COPRODUCTS

(variations in the properties of undiscovered accumulations)

Oil Accumulations:	minimum	median	maximum
Gas/oil ratio (CFG/BO):	100	1,000	20,000
NGL/gas ratio (BNGL/MMCFG):	5	25	85

Gas Accumulations:	minimum	median	maximum
Liquids/gas ratio (BLIQ/MMCFG):	5	25	75

Assessment Unit (name, no.) Bintuni Basin, 38050101
Scenario (name, no.)

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

Oil Accumulations:	minimum		median		maximum
API gravity (degrees):	20		33		55
Viscosity (centipoise)	1		24		150
Sulfur content of oil (%):	0		1.5		5
Depth (m) of water (if applicable):	0		10		100
	minimum	F75	median	F25	maximum
Drilling Depth (m):	800		2000		4000

Gas Accumulations:	minimum		median		maximum
Inert gas content (%):	0		0.1		1
Carbon dioxide content (%):	0.1		3		10
Hydrogen sulfide content (%):	0		0		0
Depth (m) of water (if applicable):	0		10		100
	minimum	F75	median	F25	maximum
Drilling Depth (m):	800		2000		5000

Assessment Unit (name, no.) Bintuni Basin, 38050101
Scenario (name, no.)

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore

38.42 area % of the AU

Oil in Oil Accumulations: 38.00 volume % of the AU
Gas in Gas Accumulations: 38.00 volume % of the AU

2 Onshore portion of: Indonesia

61.58 area % of the AU

Oil in Oil Accumulations: 62.00 volume % of the AU
Gas in Gas Accumulations: 62.00 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

Assessment Unit (name, no.) Bintuni Basin, 38050101
Scenario (name, no.)

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO PROVINCES

1 ONSHORE portion of: Bintuni-Sulawati, 3805

61.58 area % of the AU

Oil in Oil Accumulations: 62.00 volume % of the AU
Gas in Gas Accumulations: 62.00 volume % of the AU

OFFSHORE portion of: Bintuni-Sulawati, 3805

38.42 area % of the AU

Oil in Oil Accumulations: 38.00 volume % of the AU
Gas in Gas Accumulations: 38.00 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

Assessment Unit (name, no.) Bintuni Basin, 38050101
Scenario (name, no.) _____

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