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:	3-Feb-10
Region:	Central and South America	Number:	6
Province:	Lower Magdalena Valley Basin	Number:	6091
Total Petroleum System:	Upper Cretaceous-Neogene	Number:	609101
Assessment Unit:	Sinu-San Jacinto Structures	Number:	60910102
Scenario:		Number:	
Based on Data as of:	IHS Energy (2008)		
Notes from Assessor:			

CHARACTERISTICS OF ASSESSMENT UNIT

Area of assessment unit: 66,162 square kilometers

Minimum assessed accumulation size: 0.5 MMBOE (grown)

No. of discovered accumulations exceeding minimum size: Oil: 0 Gas: 6

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 28 2nd 3rd 390 3rd 3rd _____

ANALOGS USED IN ESTIMATING INPUT

	Purpose	Analog or Analog Set
1		
2		
3		
4		

Assessment Unit (name, no.) Sinu-San Jacinto Structures, 60910102
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	6	maximum	20
Gas Accumulations:	minimum	1	median	20	maximum	80

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	0.5	median	4	maximum	500
Gas in Gas Accumulations (BCFG):	minimum	3	median	24	maximum	3000

RATIOS FOR UNDISCOVERED ACCUMULATIONS, TO ASSESS COPRODUCTS

(variations in the properties of undiscovered accumulations)

Oil Accumulations:	minimum	median	maximum
Gas/oil ratio (CFG/BO):	2000	3000	4000
NGL/gas ratio (BNGL/MMCFG):	10	20	30

Gas Accumulations:	minimum	median	maximum
Liquids/gas ratio (BLIQ/MMCFG):	1	70	200

Assessment Unit (name, no.) Sinu-San Jacinto Structures, 60910102
Scenario (name, no.)

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

Oil Accumulations:	minimum		median		maximum
API gravity (degrees):	40		45		50
Viscosity (centipoise):					
Sulfur content of oil (%):					
Depth (m) of water (if applicable):	0		30		200
	minimum	F75	median	F25	maximum
Drilling Depth (m):	1500		2500		4000

Gas Accumulations:	minimum		median		maximum
Inert gas content (%):	0		0.1		2
Carbon dioxide content (%):	0		0.1		4
Hydrogen sulfide content (%):					
Depth (m) of water (if applicable):	0		30		200
	minimum	F75	median	F25	maximum
Drilling Depth (m):	1500		2500		4000

Assessment Unit (name, no.) Sinu-San Jacinto Structures, 60910102
Scenario (name, no.)

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO COUNTRIES

1 Offshore

35.57 area % of the AU

Oil in Oil Accumulations: 36.00 volume % of the AU
Gas in Gas Accumulations: 36.00 volume % of the AU

2 Onshore portion of: Colombia

64.43 area % of the AU

Oil in Oil Accumulations: 64.00 volume % of the AU
Gas in Gas Accumulations: 64.00 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.) Sinu-San Jacinto Structures, 60910102
Scenario (name, no.)

ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO PROVINCES

1 ONSHORE portion of: Lower Magdalena Valley Basin, 6091

64.43 area % of the AU

Oil in Oil Accumulations: 64.00 volume % of the AU
Gas in Gas Accumulations: 64.00 volume % of the AU

OFFSHORE portion of: Lower Magdalena Valley Basin, 6091

35.57 area % of the AU

Oil in Oil Accumulations: 36.00 volume % of the AU
Gas in Gas Accumulations: 36.00 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.) Sinu-San Jacinto Structures, 60910102
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