SEVENTH APPROXIMATION
DATA FORM FOR CONVENTIONAL ASSESSMENT UNITS (Version 6, 9 April 2003)

IDENTIFICATION INFORMATION

Assessment Geologist:	R.G. Stanley	Date:	30-Mar-11
Region:	North America	Number:	5
Province:	Southern Alaska	Number:	5003
Total Petroleum System:	Cook Inlet Composite Oil and Gas	Number:	500301
Assessment Unit:	Tertiary Sandstone Oil and Gas	Number:	50030101
Based on Data as of:			
Notes from Assessor:			

CHARACTERISTICS OF ASSESSMENT UNIT

Oil (<20,000 cfg/bo overall) **or** Gas (≥20,000 cfg/bo overall): Oil

What is the minimum accumulation size? 0.5 mmboe grown
(the smallest accumulation that has potential to be added to reserves)

No. of discovered accumulations exceeding minimum size: Oil: 7 Gas: 22
Established (>13 accums.) X Frontier (1-13 accums.) Hypothetical (no accums.)

Median size (grown) of discovered oil accumulations (mmbo):
1st 3rd 267.9 2nd 3rd 21.8 3rd 3rd

Median size (grown) of discovered gas accumulations (bcfg):
1st 3rd 38 2nd 3rd 10.7 3rd 3rd 32.5

Assessment-Unit Probabilities:

Attribute	Probability of occurrence (0-1.0)
1. **CHARGE:** Adequate petroleum charge for an undiscovered accum. ≥ minimum size:	1.0
2. **ROCKS:** Adequate reservoirs, traps, and seals for an undiscovered accum. ≥ minimum size:	1.0
3. **TIMING OF GEOLOGIC EVENTS:** Favorable timing for an undiscovered accum. ≥ minimum siz	1.0

Assessment-Unit GEOLOGIC Probability (Product of 1, 2, and 3): 1.0

UNDISCOVERED ACCUMULATIONS

No. of Undiscovered Accumulations: How many undiscovered accums. exist that are ≥ min. size?:
(uncertainty of fixed but unknown values)

Oil Accumulations:	minimum (>0)	3	mode	30	maximum	120
Gas Accumulations:	minimum (>0)	10	mode	120	maximum	480

Sizes of Undiscovered Accumulations: What are the sizes (**grown**) of the above accums?:
(variations in the sizes of undiscovered accumulations)

Oil in Oil Accumulations (mmbo):	minimum	0.5	median	1.6	maximum	500
Gas in Gas Accumulations (bcfg):	minimum	3	median	10	maximum	5000

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AVERAGE RATIOS FOR UNDISCOVERED ACCUMS., TO ASSESS COPRODUCTS

(uncertainty of fixed but unknown values)

Oil Accumulations:	minimum	mode	maximum
Gas/oil ratio (cfg/bo)	250	500	750
NGL/gas ratio (bngl/mmcfg)	5	10	15

Gas Accumulations:	minimum	mode	maximum
Liquids/gas ratio (bliq/mmcfg)	0	0	5
Oil/gas ratio (bo/mmcfg)			

SELECTED ANCILLARY DATA FOR UNDISCOVERED ACCUMULATIONS

(variations in the properties of undiscovered accumulations)

Oil Accumulations:	minimum	mode	maximum
API gravity (degrees)	18	35	55
Sulfur content of oil (%)	0	0.1	1.2
Depth (m) of water (if applicable)	0	35	100

	minimum	F75	mode	F25	maximum
Drilling Depth (m)	750		2700		7600

Gas Accumulations:	minimum	mode	maximum
Inert gas content (%)	0	0.8	1.7
CO_2 content (%)	0	0.1	0.2
Hydrogen-sulfide content (%)	0	0	0
Depth (m) of water (if applicable)	0	35	100

	minimum	F75	mode	F25	maximum
Drilling Depth (m)	600		2000		7600

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ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO STATES
Surface Allocations (uncertainty of a fixed value)

1. Alaska represents 100.00 area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity		100.00	
Gas in Gas Accumulations: Volume % in entity		100.00	

2. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

3. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

4. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

5. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

6. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

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		minimum	mode	maximum
7. _____ represents _____ area % of the AU				
Oil in Oil Accumulations:	Volume % in entity			
Gas in Gas Accumulations:	Volume % in entity			
8. _____ represents _____ area % of the AU				
Oil in Oil Accumulations:	Volume % in entity			
Gas in Gas Accumulations:	Volume % in entity			
9. _____ represents _____ area % of the AU				
Oil in Oil Accumulations:	Volume % in entity			
Gas in Gas Accumulations:	Volume % in entity			
10. _____ represents _____ area % of the AU				
Oil in Oil Accumulations:	Volume % in entity			
Gas in Gas Accumulations:	Volume % in entity			
11. _____ represents _____ area % of the AU				
Oil in Oil Accumulations:	Volume % in entity			
Gas in Gas Accumulations:	Volume % in entity			
12. _____ represents _____ area % of the AU				
Oil in Oil Accumulations:	Volume % in entity			
Gas in Gas Accumulations:	Volume % in entity			

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ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO LAND ENTITIES
Surface Allocations (uncertainty of a fixed value)

1. Federal Lands		represents 20.94 area % of the AU		
Oil in Oil Accumulations:	minimum	mode	maximum	
Volume % in entity		20.94		
Gas in Gas Accumulations:				
Volume % in entity		20.94		
2. Private Lands		represents 11.84 area % of the AU		
Oil in Oil Accumulations:	minimum	mode	maximum	
Volume % in entity		11.84		
Gas in Gas Accumulations:				
Volume % in entity		11.84		
3. Tribal Lands		represents 8.29 area % of the AU		
Oil in Oil Accumulations:	minimum	mode	maximum	
Volume % in entity		8.29		
Gas in Gas Accumulations:				
Volume % in entity		8.29		
4. Other Lands		represents 0.60 area % of the AU		
Oil in Oil Accumulations:	minimum	mode	maximum	
Volume % in entity		0.60		
Gas in Gas Accumulations:				
Volume % in entity		0.60		
5. AK State Lands		represents 27.06 area % of the AU		
Oil in Oil Accumulations:	minimum	mode	maximum	
Volume % in entity		27.06		
Gas in Gas Accumulations:				
Volume % in entity		27.06		
6. AK Offshore		represents 31.26 area % of the AU		
Oil in Oil Accumulations:	minimum	mode	maximum	
Volume % in entity		31.26		
Gas in Gas Accumulations:				
Volume % in entity		31.26		

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7. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

8. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

9. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

10. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

11. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

12. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

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ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO FEDERAL LAND SUBDIVISIONS
Surface Allocations (uncertainty of a fixed value)

1. Bureau of Land Management (BLM) represents 0.27 area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity		0.27	
Gas in Gas Accumulations: Volume % in entity		0.27	

2. BLM Wilderness Areas (BLMW) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

3. BLM Roadless Areas (BLMR) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

4. National Park Service (NPS) represents 0.67 area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity		0.67	
Gas in Gas Accumulations: Volume % in entity		0.67	

5. NPS Wilderness Areas (NPSW) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

6. NPS Protected Withdrawals (NPSP) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

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7. US Forest Service (FS) represents 0.12 area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations:			
Volume % in entity		0.12	
Gas in Gas Accumulations:			
Volume % in entity		0.12	

8. USFS Wilderness Areas (FSW) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations:			
Volume % in entity			
Gas in Gas Accumulations:			
Volume % in entity			

9. USFS Roadless Areas (FSR) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations:			
Volume % in entity			
Gas in Gas Accumulations:			
Volume % in entity			

10. USFS Protected Withdrawals (FSP) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations:			
Volume % in entity			
Gas in Gas Accumulations:			
Volume % in entity			

11. US Fish and Wildlife Service (FWS) represents 19.32 area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations:			
Volume % in entity		19.32	
Gas in Gas Accumulations:			
Volume % in entity		19.32	

12. USFWS Wilderness Areas (FWSW) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations:			
Volume % in entity			
Gas in Gas Accumulations:			
Volume % in entity			

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13. USFWS Protected Withdrawals (FWSP) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

14. Wilderness Study Areas (WS) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

15. Department of Energy (DOE) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

16. Department of Defense (DOD) represents 0.56 area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity		0.56	
Gas in Gas Accumulations: Volume % in entity		0.56	

17. Bureau of Reclamation (BOR) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

18. Tennessee Valley Authority (TVA) represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

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19. Other Federal represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations:			
Volume % in entity			
Gas in Gas Accumulations:			
Volume % in entity			

20. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations:			
Volume % in entity			
Gas in Gas Accumulations:			
Volume % in entity			

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ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ECOSYSTEMS
Surface Allocations (uncertainty of a fixed value)

1. Alaska Mountains (AKMT) represents 6.60 area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity		6.60	
Gas in Gas Accumulations: Volume % in entity		6.60	

2. Chugach-St. Elias Mountains (CSMT) represents 2.11 area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity		2.11	
Gas in Gas Accumulations: Volume % in entity		2.11	

3. Cook Inlet Lowlands (CILL) represents 60.02 area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity		60.02	
Gas in Gas Accumulations: Volume % in entity		60.02	

4. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

5. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

6. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

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7. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

8. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

9. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

10. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

11. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			

12. _____ represents _____ area % of the AU

	minimum	mode	maximum
Oil in Oil Accumulations: Volume % in entity			
Gas in Gas Accumulations: Volume % in entity			