

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

CONDITIONAL ESTIMATES AND MARGINAL PROBABILITIES FOR UNDISCOVERED  
RECOVERABLE OIL AND GAS RESOURCES BY PROVINCE—

STATISTICAL BACKGROUND DATA FOR U.S. GEOLOGICAL SURVEY CIRCULAR 860

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This report is preliminary and has  
not been reviewed for conformity with  
U.S. Geological Survey editorial standards

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## INTRODUCTION

U.S. Geological Survey Circular 860, "Estimates of undiscovered recoverable conventional resources of oil and gas in the United States" (Dolton and others, 1981), presented unconditional resource estimates which incorporate the risk that oil or gas may not be present in the areas assessed. Those estimates were derived from an assessment of: (1) the likelihood of the particular recoverable resource being present, called the marginal probability, and (2) a conditional estimate of the amount present, given that at least some of the particular recoverable resource occurs.

The conditional estimates for the individual provinces are tabulated here with their associated marginal probabilities. Separate estimates are provided for crude oil, associated-dissolved gas, and non-associated gas; and an estimate for total gas, which is an aggregation of the separate gas estimates, assuming that one or the other, or both, are present.

Definitions of commodity and resource terms and a summary of the methods used to derive the estimates are included in Circular 860. Small-scale province index maps are shown in Figures 1 and 2; large-scale index maps are available as Open-File Reports 81-84A, B, and C (Varnes, Coury and others, 1981; Varnes, Dolton and others 1981; Varnes, Dolton and McMullin, 1981).

The United States has not resolved its offshore boundaries with other States concerned. The lines on this chart are for purposes of illustration only, and do not necessarily reflect the position or views of the United States with respect to the boundary involved.

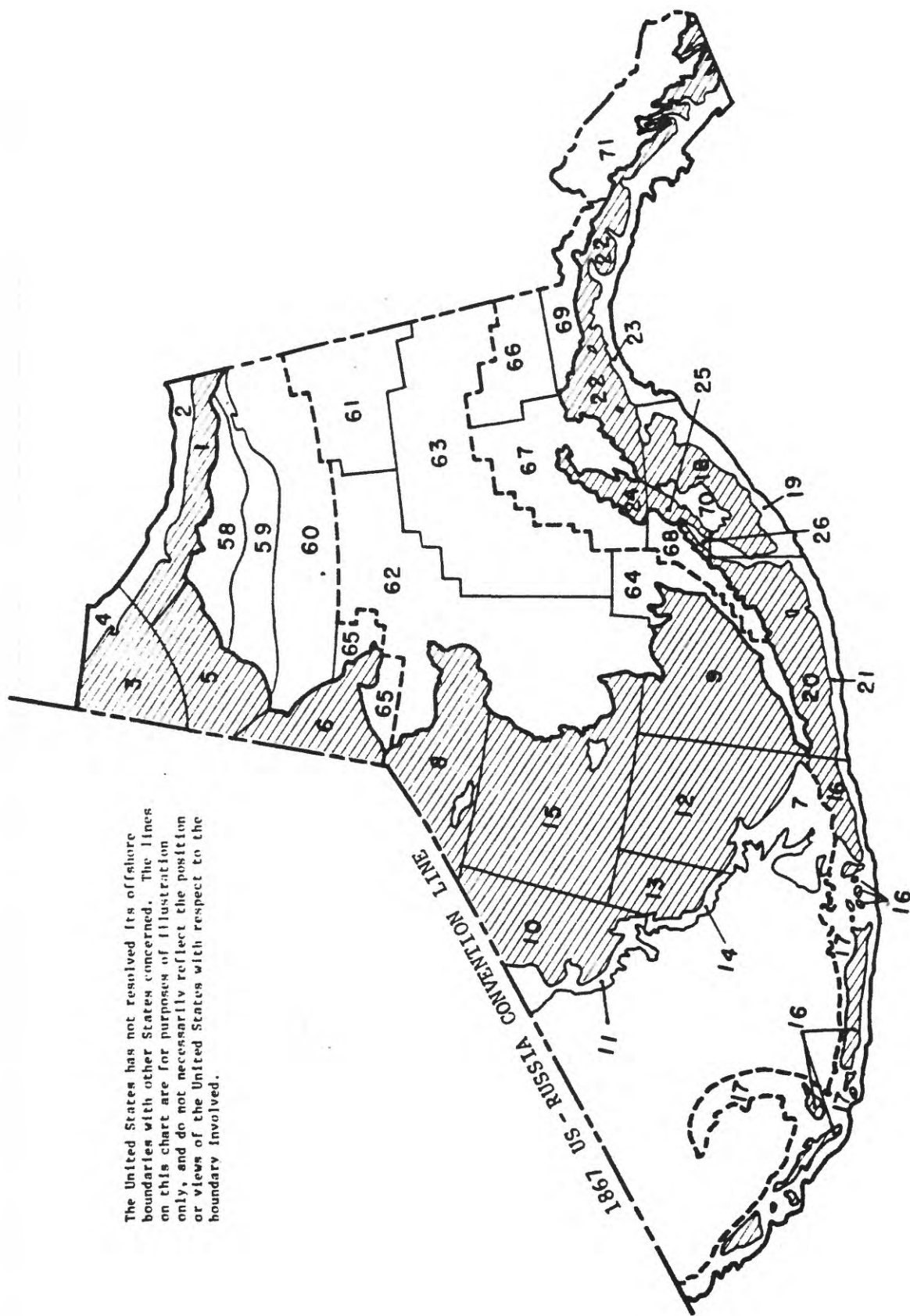
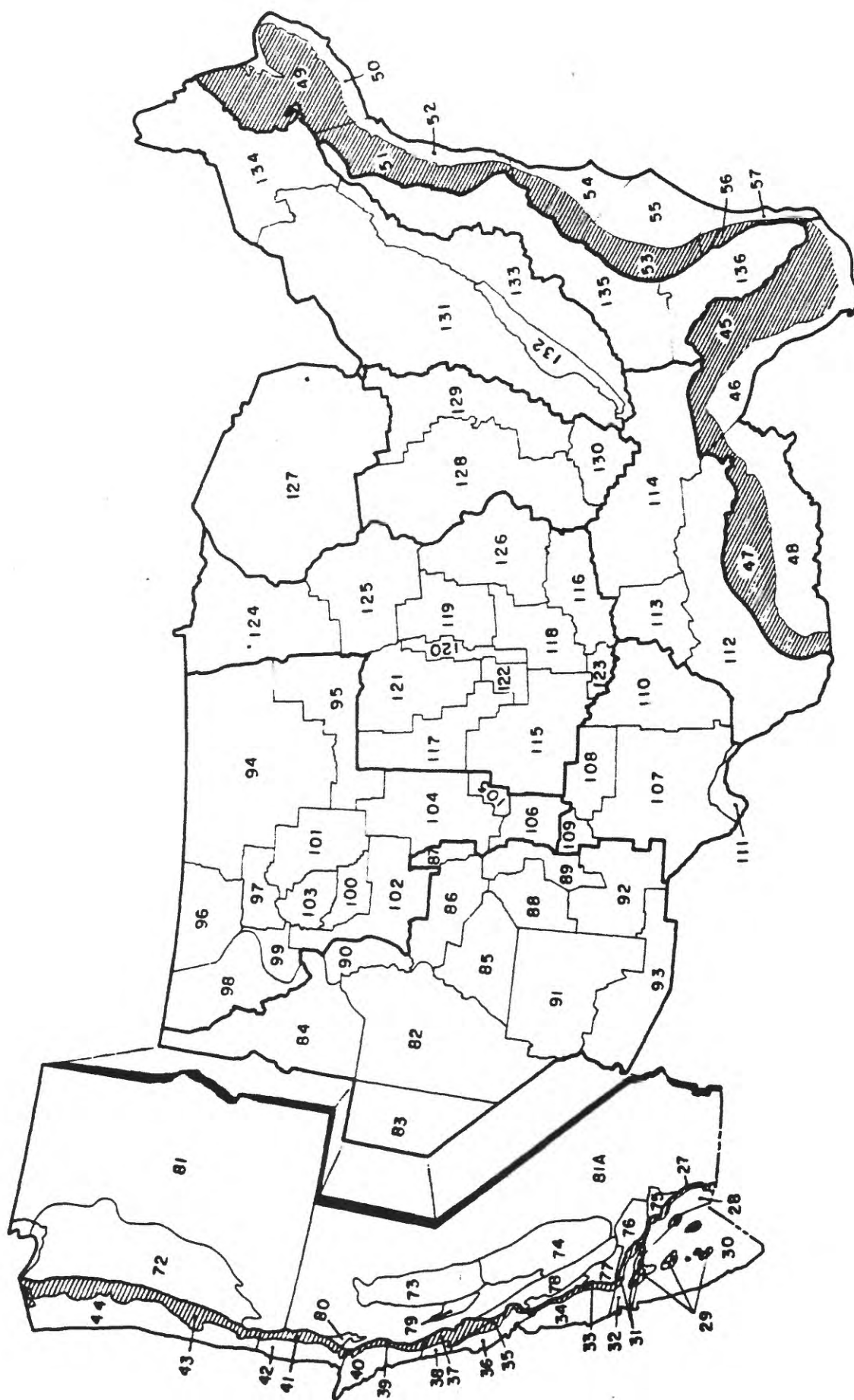


Figure 1.--Index map of Alaska showing provinces assessed. Shading denotes offshore shelf areas; names of provinces are listed by number in the table.



**Figure 2.--Index map of lower 48 States showing provinces assessed. Shading denotes offshore shelf areas; names of provinces are listed by number in table.**

Table 1.--Crude oil and total gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province

[All tabulated values are rounded numbers. M.P., marginal probability; S.D., standard deviation. F95 denotes the 95th fractile; the probability of *more than* the amount F95 is 95 percent. F<sub>5</sub> is defined similarly. Fractile values are not additive. Negl., negligible, less than or equal to 0.005 billion barrels of oil or 0.005 trillion cubic feet of gas]

	Region and province	Crude Oil						Total Gas					
		Estimated amounts (billion barrels)						Estimated amounts (trillion cubic feet)					
		M.P.	Low F95	High F5	Mean	S.D.		M.P.	Low F95	High F5	Mean	S.D.	
1A	Alaska												
1	Beaufort Shelf.....	1.00	1.88	16.74	6.95	5.21		1.00	13.54	71.92	35.03	20.27	
2	Beaufort Slope.....	0.36	0.54	6.41	2.15	2.87		0.61	1.09	22.02	7.07	14.08	
3	North Chukchi Shelf.....	.31	.65	6.86	2.68	2.26		.51	1.31	18.56	6.81	5.79	
4	North Chukchi Slope.....	.22	.36	2.50	0.96	0.99		.41	0.58	7.22	2.67	4.94	
5	Central Chukchi .....	.29	.45	5.79	2.13	2.03		.51	.99	15.45	6.01	5.10	
6	Hope Basin.....	.06	.10	.83	.31	.33		.24	.20	3.89	1.29	1.45	
7	Umnak Plateau .....	0	0	0	0	0		0	0	0	0	0	
8	Norton Basin.....	.22	.12	2.13	.71	.87		.57	.35	5.87	2.17	1.95	
9	Bristol Basin.....	.21	.17	2.91	.99	1.12		.42	.33	7.72	2.37	2.79	
10	Navarin Basin Shelf.....	.41	.17	6.45	1.87	3.19		.68	.40	22.58	7.51	8.18	
11	Navarin Basin Slope.....	.16	.21	1.45	.60	.47		.32	.40	3.34	1.44	1.04	
12	St. George Basin.....	.28	.25	4.23	1.48	1.56		.55	.61	10.53	4.28	3.34	
13	Zhemchug Shelf.....	.10	.06	1.21	.37	.62		.20	.11	2.38	.77	.94	
14	Zhemchug Slope.....	0	0	0	0	0		0	0	0	0	0	

Table 1.--Crude oil and total gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Crude Oil					Total Gas				
	M.P.	Estimated amounts (billion barrels)				M.P.	Estimated amounts (trillion cubic feet)			
		Low F95	High F5	Mean	S.D.		Low F95	High F5	Mean	S.D.
15 St. Matthew-Hall Basin.....	0	0	0	0	0	0	0	0	0	0
16 Aleutian Shelf.....	0	0	0	0	0	0	0	0	0	0
17 Aleutian Slope.....	0	0	0	0	0	0	0	0	0	0
18 Kodiak Shelf.....	.22	.13	2.19	.74	.87	.46	.42	7.92	2.85	2.98
19 Kodiak Slope.....	.14	.21	3.92	1.22	1.83	.28	.49	7.49	2.36	2.99
20 Shumagin Shelf.....	.12	.06	1.00	.32	.48	.29	.11	2.98	1.08	1.08
21 Shumagin Slope.....	.09	.14	1.25	.43	.65	.20	.23	3.88	1.45	1.62
22 Gulf of Alaska Shelf.....	.25	.21	2.89	1.04	1.04	.53	.46	9.24	3.14	3.10
23 Gulf of Alaska Slope.....	.14	.20	2.03	.74	.78	.28	.36	3.70	1.53	1.42
24 Cook Inlet.....	1.00	.09	.99	.36	.36	1.00	.85	5.03	2.19	1.40
25 Shelikof Strait Shallow.....	.16	.05	.82	.25	.46	.30	.04	1.56	.50	.71
26 Shelikof Strait Deep.....	0	0	0	0	0	0	0	0	0	0
2A Pacific Coast Offshore										
27 Inner Basins Shallow.....	1.00	0.08	0.91	0.35	.31	1.00	0.07	0.82	0.31	0.28
28 Inner Basins Deep.....	0.36	.08	1.72	.54	.75	0.36	.07	1.54	.49	.67

Table 1.--Crude oil and total gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Crude Oil					Total Gas				
	Estimated amounts (billion barrels)					Estimated amounts (trillion cubic feet)				
	Low F95	High F5	Mean	S.D.	M.P.	Low F95	High F5	Mean	S.D.	
29 Outer Basins and .....	.12	.02	.22	.08	.08	.12	.03	.33	.12	.12
Ridges Shallow										
30 Outer Basins and.....	.38	.23	3.96	1.36	1.49	.47	.29	5.85	1.91	2.17
Ridges Deep										
31 Santa Barbara Channel Shelf....	1.00	.12	1.60	.59	.55	1.00	.29	2.68	1.05	.98
32 Santa Barbara Channel Deep.....	1.00	.11	2.09	.69	.84	1.00	.43	3.60	1.51	1.28
33 Santa Maria Shelf.....	.61	.07	.93	.34	.33	.61	.06	.84	.31	.30
34 Santa Maria Slope.....	.51	.12	3.19	.98	1.41	.51	.11	2.87	.89	1.26
35 Santa Cruz Shelf.....	.38	.08	.80	.32	.26	.38	.07	.66	.27	.21
36 Santa Cruz Slope.....	.28	.05	1.10	.33	.55	.28	.05	.99	.31	.45
37 Bodega Shelf.....	.26	.02	.52	.16	.24	.26	.02	.42	.14	.17
38 Bodega Slope.....	.18	.05	.35	.14	.12	.18	.04	.28	.12	.09
39 Point Arena Shelf.....	.27	.02	.43	.14	.18	.27	.02	.39	.13	.16
40 Point Arena Slope.....	.21	.07	.80	.29	.29	.21	.06	.72	.26	.27
41 Eel River Shelf.....	.17	.03	.42	.15	.15	.42	.07	1.29	.51	.40
42 Eel River Slope.....	.14	.05	.87	.27	.39	.42	.11	1.81	.76	.61



Table 1.--Crude oil and total gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	M.P.	Crude Oil				Total Gas			
		Estimated amounts (billion barrels)				Estimated amounts (trillion cubic feet)			
		Low F95	High F5	Mean	S.D.	Low F95	High F5	Mean	S.D.
43 Oregon-Washington Shelf.....	.26	.04	1.34	.40	.62	.10	3.06	1.12	1.09
44 Oregon-Washington Slope.....	.25	.19	2.51	.92	.89	.32	5.12	1.81	1.79
6A Gulf of Mexico									
45 Eastern Gulf Shelf.....	0.58	0.60	4.58	2.00	1.36	0.64	7.86	3.17	2.47
46 Eastern Gulf Slope.....	.29	.16	1.55	.63	.49	.18	3.02	1.01	1.06
47 Western Gulf Shelf.....	1.00	1.08	5.68	2.81	1.51	20.43	77.59	42.87	18.32
48 Western Gulf Slope.....	1.00	.87	4.84	2.35	1.31	10.73	51.05	26.09	13.77
11A Atlantic Coast									
49 North Atlantic Shelf.....	0.42	0.18	3.14	1.08	1.19	0.41	9.15	3.40	3.16
50 North Atlantic Slope.....	.49	.44	5.16	1.93	1.79	.81	11.37	4.28	3.80
51 Mid-Atlantic Shelf.....	.69	.23	3.05	1.13	1.06	1.32	13.29	5.78	3.91
52 Mid-Atlantic Slope.....	.58	1.16	9.03	3.90	2.72	2.21	21.99	9.90	6.96
53 South Atlantic Shelf.....	.15	.04	1.16	.36	.50	.05	1.70	.58	.62
54 Carolina Trough.....	.36	.31	4.96	1.71	1.91	.61	13.82	4.55	5.32

Table 1.--Crude oil and total gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Crude Oil					Total Gas				
	Estimated amounts (billion barrels)					Estimated amounts (trillion cubic feet)				
	Low F95	High F5	Mean	S.D.	M.P.	Low F95	High F5	Mean	S.D.	
55 Blake Plateau.....	.42	2.66	1.21	.77	.42	.55	4.84	1.80	1.73	
56 Southeast Florida Shelf.....	0	0	0	0	0	0	0	0	0	
57 Florida Straits.....	0	0	0	0	0	0	0	0	0	
1 Alaska Onshore										
58 Arctic Coastal Plain.....	0.93	11.58	4.40	3.94	1.00	5.99	39.69	18.18	11.84	
59 Northern Foothills.....	.26	3.87	1.40	1.38	1.00	4.63	23.75	11.70	6.33	
60 Southern Foothills and .....	.07	2.07	.64	0.91	0.62	0.35	9.92	3.28	3.83	
Brooks Range										
61 Yukon-Porcupine Basins.....	0	0	0	0	.04	.13	1.03	.45	.31	
62 Yukon-Koyukuk Basins.....	0	0	0	0	.10	.14	2.17	.78	.78	
63 Interior Lowlands.....	0	0	0	0	.01	.08	.65	.28	.19	
64 Bristol Basin Onshore.....	.05	.91	.31	.34	.64	.08	2.34	.80	.87	
65 Hope Basin Onshore.....	0	0	0	0	0	0	0	0	0	
66 Copper River Basin.....	.02	.24	.09	.08	.35	.04	.73	.29	.23	
67 Cook Inlet Onshore.....	.12	1.51	.57	.51	1.00	1.27	7.41	3.53	2.09	

Table 1.--Crude oil and total gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

[illegible]



Table 1.--Crude oil and total gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Crude Oil					Total Gas				
	Estimated amounts (billion barrels)					Estimated amounts (trillion cubic feet)				
	Low F95	High F5	Mean	S.D.	M.P.	Low F95	High F5	Mean	S.D.	
91 Northern Arizona.....	.01	1.03	.28	.62	1.00	.03	1.94	.55	.98	
92 South-central New Mexico.....	.02	.53	.16	.24	.69	.06	1.52	.48	.59	
93 Southern Arizona-South-.....	.04	2.09	.60	1.60	.80	.11	9.43	3.04	3.93	
western New Mexico										
4 Rocky Mountains and Northern										
Great Plains										
94 Williston Basin.....	.44	3.20	1.42	.94	1.00	1.40	6.64	3.33	1.76	
95 Sioux Arch.....	0	0	0	0	0	0	0	0	0	
96 Sweetgrass Arch.....	.10	1.15	.44	.38	1.00	.72	6.85	2.71	2.10	
97 Central Montana.....	.04	.39	.16	.12	1.00	.12	1.76	.60	.65	
98 Montana Overthrust Belt.....	.08	2.18	.69	.91	1.00	2.51	22.44	9.27	7.09	
99 Southwestern Montana.....	.03	.78	.25	.32	.85	.05	1.46	.47	.55	
100 Wind River Basin.....	.17	1.40	.60	.42	1.00	.96	4.51	2.28	1.20	
101 Powder River Basin.....	.54	2.82	1.40	.75	1.00	1.09	4.85	2.53	1.21	
102 Southwestern Wyoming Basins.....	.80	5.96	2.62	1.76	1.00	7.89	36.90	18.55	9.74	

Table 1.--Crude oil and total gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Crude Oil					Total Gas				
	Estimated amounts (billion barrels)					Estimated amounts (trillion cubic feet)				
	Low	F95	High	Mean	S.D.	Low	High	Mean	S.D.	
						F95	F5			
103 Big Horn Basin.....	1.00	.27	2.30	.97	.70	1.00	4.55	2.39	1.14	
104 Denver Basin.....	1.00	.22	1.84	.78	.56	1.00	4.20	2.21	1.06	
105 Las Animas Arch.....	1.00	.01	.32	.10	.14	1.00	2.38	.98	.73	
106 Raton Basin-Sierra Grande .....	.96	Negl.	.59	.15	.45	1.00	1.36	.43	.71	
Uplift										
5 West Texas and Eastern New Mexico										
107 Permian Basin.....	1.00	0.99	6.16	2.88	1.73	1.00	65.26	33.33	17.43	
108 Palo Duro Basin.....	1.00	.01	.11	.04	.04	1.00	.41	.15	.15	
109 Pedernal Uplift.....	0	0	0	0	0	0	0	0	0	
110 Bend Arch-Fort Worth Basin.....	1.00	.71	4.22	2.00	1.17	1.00	14.04	8.17	3.11	
111 Marathon Fold Belt.....	1.00	.04	1.67	.49	.79	1.00	3.61	1.12	1.61	
6 Gulf Coast										
112 Western Gulf Basin.....	1.00	1.19	7.99	3.65	2.30	1.00	220.80	101.22	62.51	

Table 1.--Crude oil and total gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

[illegible]

Table 1.--Crude oil and total gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

	Region and province	Crude Oil						Total Gas					
		Estimated amounts (billion barrels)						Estimated amounts (trillion cubic feet)					
		M.P.	Low F95	High F5	Mean	S.D.		M.P.	Low F95	High F5	Mean	S.D.	
125	Iowa Shelf.....	0	0	0	0	0		0	0	0	0	0	
126	Ozark Uplift.....	0	0	0	0	0		0	0	0	0	0	
8	Michigan Basin												
127	Michigan Basin.....	1.00	0.31	2.67	1.12	0.82		1.00	1.87	10.77	5.11	3.12	
9	Eastern Interior												
128	Illinois Basin.....	1.00	0.14	1.41	0.57	0.45		1.00	0.16	1.74	0.66	0.78	
129	Cincinnati Arch.....	1.00	.02	.48	.15	.20		1.00	.13	1.75	.64	.66	
130	Black Warrior Basin.....	1.00	.01	.53	.15	.26		1.00	.47	2.89	1.39	.84	
10	Appalachians												
131	Appalachian Basin.....	1.00	0.14	1.51	0.59	0.49		1.00	6.05	42.28	19.06	13.00	
132	Blue Ridge Overthrust Belt.....	0	0	0	0	0		.37	0.59	7.74	2.89	2.65	
133	Piedmont.....	0	0	0	0	0		0	0	0	0	0	
134	New England-Adirondack.....	0	0	0	0	0		0	0	0	0	0	



Table 1.--Crude oil and total gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Crude Oil					Total Gas				
	Estimated amounts (billion barrels)					Estimated amounts (trillion cubic feet)				
	Low	F95	High	Mean	S.D.	Low	F95	High	Mean	S.D.
11 Atlantic Coast										
135 Atlantic Coastal Plain.....	0	0	0	0	0	0.02	0.16	1.30	0.36	0.72
136 Florida Peninsula.....	1.00	.08	.80	.32	.26	.01	1.00	.08	.03	.02

Table 2.--Associated and non-associated gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province

[All tabulated values are rounded numbers. M.P., marginal probability; S.D., standard deviation.

F<sub>95</sub> denotes the 95th fractile; the probability of *more than* the amount F<sub>95</sub> is 95 percent. F<sub>5</sub> is defined similarly. Fractile values are not additive. Negl., negligible, less than or equal to 0.005 trillion cubic feet of gas]

	Region and province	Associated-dissolved gas Estimated amounts (trillion cubic feet)						Non-associated gas Estimated amounts (trillion cubic feet)					
		Low			High			Low			High		
		F <sub>95</sub>	M.P.	S.D.	F <sub>5</sub>	Mean	S.D.	F <sub>95</sub>	M.P.	S.D.	F <sub>95</sub>	Mean	S.D.
1A	Alaska												
1	Beaufort Shelf.....	3.01	1.00	8.35	26.78	11.11		6.38	1.00		58.46	23.92	18.47
2	Beaufort Slope.....	0.86	0.36		10.26	3.44	4.61	2.54	0.39		23.66	7.88	16.61
3	North Chukchi Shelf.....	.98	.31	3.39	10.24	4.03		2.22	.29		18.40	7.66	5.75
4	North Chukchi Slope.....	.54	.22	1.49	3.72	1.43		1.82	.24		7.47	3.25	6.12
5	Central Chukchi.....	.68	.29	3.04	8.64	3.20		2.16	.31		16.03	6.90	4.86
6	Hope Basin.....	.15	.06	0.48	1.24	.47		0.55	.19		3.88	1.49	1.53
7	Umnak Plateau .....	0	0	0	0	0		0	0		0	0	0
8	Norton Basin.....	.18	.22	1.30	3.20	1.06		.64	.45		5.57	2.23	1.84
9	Bristol Basin.....	.26	.21	1.68	4.36	1.49		.54	.26		7.67	2.63	3.01
10	Navarin Basin Shelf.....	.26	.41	4.75	9.67	2.81		1.98	.45		23.11	8.79	7.82
11	Navarin Basin Slope.....	.32	.16	.70	2.17	0.90		.90	.19		3.40	1.67	0.99
12	St. George Basin.....	.38	.28	2.39	6.35	2.19		1.70	.37		10.06	4.71	2.82
13	Zhemchug Shelf.....	.09	.10	.93	1.81	.55		.32	.11		2.29	0.90	.84
14	Zhemchug Slope.....	0	0	0	0	0		0	0		0	0	0

Table 2.--Associated-dissolved and non-associated gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Associated-dissolved gas Estimated amounts (trillion cubic feet)					Non-associated gas Estimated amounts (trillion cubic feet)				
	Low		High		M.P.	S.D.	Low		High	
	F <sub>5</sub>	M.P.	F <sub>5</sub>	Mean			F <sub>95</sub>	M.P.	F <sub>95</sub>	S.D.
15 St. Matthew-Hall Basin.....	0	0	0	0	0	0	0	0	0	0
16 Aleutian Shelf.....	0	0	0	0	0	0	0	0	0	0
17 Aleutian Slope.....	0	0	0	0	0	0	0	0	0	0
18 Kodiak Shelf.....	.23	.22	3.94	1.33	.31	1.57	.78	8.79	3.29	3.07
19 Kodiak Slope.....	.38	.14	7.05	2.20	.16	3.31	.87	5.70	2.20	2.33
20 Shumagin Shelf.....	.09	.12	1.50	.48	.19	.72	.45	3.24	1.34	1.05
21 Shumagin Slope.....	.21	.09	1.88	.64	.12	1.02	.87	4.60	1.93	1.67
22 Gulf of Alaska Shelf.....	.32	.25	4.34	1.57	.37	1.55	.82	9.14	3.44	3.17
23 Gulf of Alaska Slope.....	.30	.14	3.04	1.10	.16	1.18	.85	3.92	1.72	1.38
24 Cook Inlet.....	.05	1.00	.59	.21	1.00	.22	.67	4.58	1.98	1.39
25 Shelikof Strait Shallow.....	.03	.16	.49	.15	.17	.28	.28	1.94	.74	.81
26 Shelikof Strait Deep.....	0	0	0	0	0	0	0	0	0	0
2A Pacific Coast Offshore										
27 Inner Basins Shallow.....	.07	1.00	.82	.31	0	.28	0	0	0	0
28 Inner Basins Deep.....	.07	.36	1.54	.49	0	.67	0	0	0	0

Table 2.--Associated-dissolved and non-associated gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Associated-dissolved gas Estimated amounts (trillion cubic feet)					Non-associated gas Estimated amounts (trillion cubic feet)				
	M.P.	Low F95	High F5	Mean F5	S.D.	M.P.	Low F95	High F95	Mean F95	S.D.
29 Outer Basins and.....	.12	.03	.33	.12	.12	0	0	0	0	0
Ridges Shallow										
30 Outer Basins and .....	.38	.35	5.94	2.05	2.23	.14	.24	2.52	.87	1.08
Ridges Deep										
31 Santa Barbara Channel Shelf.....	1.00	.11	1.44	.53	.50	1.00	.07	1.72	.52	.84
32 Santa Barbara Channel Deep.....	1.00	.13	2.52	.82	1.02	.93	.24	1.99	.74	.78
33 Santa Maria Shelf.....	.61	.06	.84	.31	.30	0	0	0	0	0
34 Santa Maria Slope.....	.51	.11	2.87	.89	1.26	0	0	0	0	0
35 Santa Cruz Shelf.....	.38	.07	.66	.27	.21	0	0	0	0	0
36 Santa Cruz Slope.....	.28	.05	.99	.31	.45	0	0	0	0	0
37 Bodega Shelf.....	.26	.02	.42	.14	.17	0	0	0	0	0
38 Bodega Slope.....	.18	.04	.28	.12	.09	0	0	0	0	0
39 Point Arena Shelf.....	.27	.02	.39	.13	.16	0	0	0	0	0
40 Point Arena Slope.....	.21	.06	.72	.26	.27	0	0	0	0	0
41 Eel River Shelf.....	.17	.04	.59	.21	.22	.30	.21	1.30	.60	.37
42 Eel River Slope.....	.14	.07	1.21	.38	.55	.32	.34	1.81	.83	.52

Table 2.--Associated-dissolved and non-associated gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

	Region and province	M.P.	Associated-dissolved gas Estimated amounts (trillion cubic feet)				Non-associated gas Estimated amounts (trillion cubic feet)			
			Low		High		Low		High	
			F95	Mean	F5	S.D.	F95	Mean	F95	S.D.
43	Oregon-Washington Shelf.....	.26	.05	.48	1.61	.73	.35	1.31	3.19	1.01
44	Oregon-Washington Slope.....	.25	.23	1.10	3.01	1.06	.29	1.99	5.33	1.87
6A Gulf of Mexico										
45	Eastern Gulf Shelf.....	.58	0.48	1.60	3.66	1.09	0.46	3.28	7.67	2.32
46	Eastern Gulf Slope.....	.29	.13	.50	1.23	.39	.21	1.42	3.66	1.22
47	Western Gulf Shelf.....	1.00	1.84	4.77	9.65	2.56	1.00	38.11	72.55	18.14
48	Western Gulf Slope.....	1.00	1.57	4.23	8.72	2.36	1.00	21.86	47.65	13.56
11A Atlantic Coast										
49	North Atlantic Shelf.....	0.42	0.22	1.30	3.79	1.42	0.52	3.66	9.33	3.07
50	North Atlantic Slope.....	.49	.53	2.32	6.20	2.15	.52	4.07	10.41	3.55
51	Mid-Atlantic Shelf.....	.69	.28	1.37	3.68	1.27	.91	5.13	11.98	3.65
52	Mid-Atlantic Slope.....	.58	1.39	4.68	10.84	3.26	.68	8.67	20.19	6.11
53	South Atlantic Shelf.....	.15	.04	.36	1.16	.50	.14	.74	1.93	.65
54	Carolina Trough.....	.36	.34	1.88	5.49	2.10	.41	5.23	14.94	5.71

Table 2.--Associated-dissolved and non-associated gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Associated-dissolved gas Estimated amounts (trillion cubic feet)					Non-associated gas Estimated amounts (trillion cubic feet)				
	M.P.	Low F95	High F5	Mean	S.D.	M.P.	Low F95	High F95	Mean	S.D.
55 Blake Plateau.....	.26	.42	2.67	1.21	.77	.22	.65	5.35	2.00	2.05
56 Southeast Florida Shelf.....	0	0	0	0	0	0	0	0	0	0
57 Florida Straits.....	0	0	0	0	0	0	0	0	0	0
1. Alaska Onshore										
58 Arctic Coastal Plain.....	1.00	2.42	30.11	11.45	10.23	1.00	1.44	17.62	6.73	5.96
59 Northern Foothills.....	1.00	0.62	9.29	3.37	3.31	1.00	2.64	18.50	8.33	5.39
60 Southern Foothills.....	.26	.17	5.38	1.66	2.35	.49	.47	9.72	3.27	3.77
and Brooks Range										
61 Yukon-Porcupine Basins.....	0	0	0	0	0	.04	.13	1.03	.45	.31
62 Yukon-Koyukuk Basins.....	0	0	0	0	0	.04	.14	2.17	.78	.78
63 Interior Lowlands.....	0	0	0	0	0	.02	.08	.65	.28	.19
64 Bristol Basin Onshore.....	.36	.05	.91	.31	.34	.44	.15	2.53	.89	.93
65 Hope Basin Onshore.....	0	0	0	0	0	0	0	0	0	0
66 Copper River Basin.....	.14	.03	.36	.14	.12	.24	.11	.76	.34	.22
67 Cook Inlet Onshore.....	1.00	.05	.60	.23	.20	1.00	1.08	7.24	3.30	2.08

Table 2.--Associated-dissolved and non-associated gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	M.P.	Associated-dissolved gas Estimated amounts (trillion cubic feet)			M.P.	Non-associated gas Estimated amounts (trillion cubic feet)		
		Low F <sub>95</sub>	High F <sub>5</sub>	Mean		Low F <sub>95</sub>	High F <sub>95</sub>	S.D.
68 Alaska Peninsula.....	.20	.02	.53	.17	.22	.19	.16	.45
69 Gulf of Alaska Onshore.....	.45	.03	1.43	.41	.71	.25	.11	.52
70 Kodiak Island.....	0	0	0	0	0	0	0	0
71 Southeastern Alaska.....	0	0	0	0	0	0	0	0
Pacific Coast								
72 Western Oregon-Washington.....	0.64	0.02	0.53	0.17	0.22	1.00	0.46	1.91
73 Sacramento Basin.....	1.00	.01	.08	.03	.02	1.00	.50	1.48
74 San Joaquin Basin.....	1.00	.49	4.36	1.82	1.36	1.00	.06	0.29
75 Los Angeles Basin.....	1.00	.22	1.39	.65	.39	1.00	Negl.	.02
76 Ventura Basin.....	1.00	.34	2.08	.98	.58	1.00	.05	.14
77 Santa Maria Basin.....	1.00	.04	.41	.16	.14	0	0	0
78 Central Coastal Basins .....	1.00	.02	.22	.09	.07	.07	.01	.04
79 Sonoma-Livermore Basins.....	1.00	Negl.	.05	.02	.02	1.00	Negl.	.01
80 Humboldt Basin .....	0	0	0	0	0	0	1.00	.23
81 Eastern Oregon-Washington.....	.55	.38	5.84	2.10	2.10	1.00	1.44	5.81
81A Eastern California.....	0	0	0	0	0	0	0	0

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Table 2.--Associated-dissolved and non-associated gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Associated-dissolved gas Estimated amounts (trillion cubic feet)					Non-associated gas Estimated amounts (trillion cubic feet)				
	M.P.	Low		Mean	S.D.	M.P.	Low		Mean	S.D.
		F <sub>95</sub>	High F <sub>5</sub>				F <sub>95</sub>	High F <sub>95</sub>		
91 Northern Arizona.....	1.00	.02	1.24	.34	.74	.54	.02	1.44	.39	.85
92 South-central New Mexico.....	.29	.02	.80	.24	.37	.57	.06	1.42	.46	.57
93 Southern Arizona.....	.49	.05	2.30	.66	1.16	.60	.50	1.50	3.52	4.09
Southwestern New Mexico										
4 Rocky Mountains and Northern										
Great Plains										
94 Williston Basin.....	1.00	0.79	5.76	2.55	1.69	1.00	0.25	1.73	0.76	0.50
95 Sioux Arch.....	0	0	0	0	0	0	0	0	0	0
96 Sweetgrass Arch.....	1.00	.03	0.39	0.15	0.13	1.00	.61	6.46	2.56	2.09
97 Central Montana.....	1.00	.07	.16	.07	.05	1.00	.07	1.62	.53	.64
98 Montana Overthrust Belt.....	.86	.18	4.80	1.52	1.98	1.00	1.77	20.59	7.96	6.83
99 Southwestern Montana.....	.62	.04	1.18	.37	.50	.61	.03	.92	.28	.39
100 Wind River Basin.....	1.00	.09	.70	.30	.21	1.00	.69	4.21	1.98	1.18
101 Powder River Basin.....	1.00	.81	4.22	2.10	1.12	1.00	.07	1.24	.43	.46
102 Southwestern Wyoming Basins.....	1.00	.88	6.53	2.89	1.93	1.00	5.30	33.71	15.66	9.55

Table 2.--Associated-dissolved and non-associated gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Associated-dissolved gas Estimated amounts (trillion cubic feet)					M.P.	Non-associated gas Estimated amounts (trillion cubic feet)				
	High		Mean	S.D.	M.P.		High		Mean	S.D.	
	Low	F95					F5	F95			F95
103 Big Horn Basin.....		.19	1.60	.68	.49	1.00	.59	3.66	1.71	1.03	
104 Denver Basin.....		.22	1.84	.78	.56	1.00	.47	3.14	1.43	.90	
105 Las Animas Arch.....		Negl.	.03	.01	.01	1.00	.26	2.34	.97	.73	
106 Raton Basin-Sierra Grande.....		Negl.	.59	.15	.45	.91	.04	1.11	.35	.46	
Uplift											
5 West Texas and Eastern New Mexico											
107 Permian Basin.....		2.08	12.89	6.04	3.62	1.00	8.98	59.70	27.29	17.05	
108 Palo Duro Basin.....		Negl.	0.04	0.02	0.02	1.00	0.02	0.39	0.13	1.50	
109 Pedernal Uplift.....		0	0	0	0	0	0	0	0	0	
110 Bend Arch-Fort Worth Basin.....		1.28	7.50	3.57	2.06	1.00	1.87	9.02	4.60	2.33	
111 Marathon Fold Belt.....		0.03	1.34	.39	.65	0.69	.09	3.60	1.06	1.67	
6 Gulf Coast											
112 Western Gulf Basin.....		2.98	19.98	9.12	5.75	1.00	27.82	209.29	92.10	62.24	

Table 2.--Associated-dissolved and non-associated gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

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Table 2.--Associated-dissolved and non-associated gas--Conditional estimates and marginal probabilities of undiscovered recoverable conventional resources in the United States by province--continued

Region and province	Associated-dissolved gas Estimated amounts (trillion cubic feet)					Non-associated gas Estimated amounts (trillion cubic feet)				
	M.P.	F95	High F5	Mean	S.D.	M.P.	Low		High	
							F95	F95	F95	S.D.
11 Atlantic Coast										
135 Atlantic Coastal Plain.....	0	0	0	0	0	0.16	0.02	1.30	0.36	0.72
136 Florida Peninsula.....	1.00	0.01	0.08	0.03	0.02	0	0	0	0	0

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