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Fact Sheet for Congressional
Requesters

April 1990

FEDERAL LAND MANAGEMENT

The Extent of Oil and Gas Activities on BLM and Forest Service Lands



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Resources, Community, and
Economic Development Division

B-238779

April 11, 1990

The Honorable Dale Bumpers
Chairman, Subcommittee on Public Lands,
National Parks and Forests
Committee on Energy and Natural Resources
United States Senate

The Honorable Nick J. Rahall, II
Chairman, Subcommittee on Mining and
Natural Resources
Committee on Interior and Insular Affairs
House of Representatives

In response to your March 2, 1988, letter and subsequent discussions with your offices, this fact sheet presents information on the extent of oil and gas leasing and development on Bureau of Land Management (BLM) and Forest Service lands. Specifically, this fact sheet presents summary statistics on oil and gas activity for 141 BLM resource areas and 156 national forests. Additionally, it provides detailed information on the extent of oil and gas leasing and drilling for each BLM resource area and BLM lands in Alaska and 31 eastern states, as well as each national forest.

In summary, we found that although some portion of most BLM and Forest Service lands have been leased, less than half of the leases have been drilled. For example, out of 141 BLM resource areas, 126 resource areas have leased all or a portion of their lands. Of these resource areas, 69 have had producing or exploratory wells drilled. Of the 156 national forests, 113 have leased all or a portion of their lands. Of these forests, 46 have had producing or exploratory wells drilled.

Section 1 of this fact sheet provides a summary of the oil and gas activity in the BLM resource areas and national forests. Section 2 provides detailed information on the number of oil and gas leases issued and wells drilled in

each of the 141 BLM resource areas, as well as BLM lands in Alaska and in 31 eastern states. Section 3 provides the same information for the 156 national forests.

To prepare this fact sheet, we developed a standardized data collection instrument with input from both BLM and Forest Service officials. Because little of the information that we requested was routinely compiled by these agencies, we developed this information with the assistance of the BLM state offices and Forest Service headquarters and regional offices. Although we reviewed the data after they were compiled by the agencies and identified and resolved inconsistencies, we did not verify the data against the source within the agencies. For BLM, each state office provided the requested data primarily on the basis of their land use plans and automated data bases such as the Automated Land and Mineral Record System, the Quarterly Engineering Reports, and the Automated Inspection Records System. For the Forest Service, the data were derived from its land use plans or from field office files. Unless otherwise indicated, the data are current through fiscal year 1988. We conducted our review from May 1988 to October 1989.

This fact sheet complements our planned report which will deal with the broader issue of the need for better oil and gas information to support land use decisions. We expect to issue that report within the next few months.

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As the Chairmen's offices requested, we did not obtain official agency comments on a draft of this fact sheet. However, BLM and the Forest Service were integrally involved in the development of this information, and as such, are familiar with the contents of this fact sheet. As arranged with your offices, unless you publicly announce its contents earlier, we plan no further distribution of this fact sheet until 30 days from the date of this letter. At that time, we will provide copies to the Secretaries of Agriculture and Interior and other interested parties.

B-238779

If you have any questions about this fact sheet, please contact me at (202) 275-7756. Major contributors to this fact sheet are listed in appendix I.

A handwritten signature in black ink that reads "James Duffus III". The signature is written in a cursive style with a large initial "J" and a horizontal line underlining the name.

James Duffus III
Director, Natural Resources
Management Issues

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ABBREVIATIONS

BLM Bureau of Land Management

SECTION 1

SUMMARY OF OIL AND GAS ACTIVITIES
IN BLM RESOURCE AREAS AND NATIONAL FORESTS

Table 1.1 shows the level of oil and gas activity on the 297 resource areas and national forests. Of the 141 BLM resource areas, 69 have had producing or exploratory wells drilled. The other 72 resource areas have had no oil and gas development activity. Of the 156 national forests, 46 have had exploratory or producing wells drilled. The remaining 110 forests have not experienced oil and gas development.

Table 1.1: Summary of Oil and Gas Activity in BLM Resource Areas and National Forests

<u>Level of oil and gas activity</u>	<u>Number of BLM resource areas</u>	<u>Number of national forests</u>
Areas with production	50	42
Areas with exploration but no production ^a	19	4
Leased areas with no production or exploration	57	67
Unleased areas	<u>15</u>	<u>43</u>
Total	<u>141</u>	<u>156</u>

Note: Table 1.1 does not include information from BLM's Eastern States Office or Alaska Office because neither of these areas is divided into resource areas.

^aExploration for fiscal years 1986 through 1988.

Sections 2 and 3 provide more detail regarding the level of oil and gas activity in each of the BLM resource areas and national forests. Section 2 also provides information regarding oil and gas activity for the 31 states covered by BLM's Eastern States Office and the Alaska State Office.

SECTION 2

STATUS OF BLM OIL AND GAS LEASING/DRILLING ACTIVITY
BY STATE THROUGH FISCAL YEAR 1988

Table 2.1: Alaska

<u>District office</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
Anchorage	90,584,000	104,859,000	207,000	104,652,000	0
Glennallen	103,695,000	103,695,000	2,970,000	100,725,000	0
Arctic (Corridor)	91,775,000	91,775,000	23,000,000	68,775,000	0
Kobuk (Central Yukon)	94,159,000	94,159,000	4,490,000	89,669,000	0
Steese-White Mountains	<u>107,270,000</u>	<u>107,270,000</u>	<u>0</u>	<u>107,270,000</u>	<u>0</u>
Total	<u>487,483,000</u>	<u>501,758,000</u>	<u>30,667,000</u>	<u>471,091,000</u>	<u>0</u>

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
139	146,402	0	6	72	39	22	11
4,454	659,374	0	0	0	0	0	0
24	558,506	0	0	0	0	0	0
2,032	1,042,648	0	0	0	0	0	0
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>6,649</u>	<u>2,406,930</u>	<u>0</u>	<u>6</u>	<u>72</u>	<u>39</u>	<u>22</u>	<u>11</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 2.2: Arizona

<u>Resource area</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures^d</u>
Shiwits	1,397,000	1,458,000	1,338,000	121,000	
Vermillion	1,341,000	1,413,000	1,299,000	113,000	
Kingman	2,056,000	2,652,000	2,116,000	536,000	
Lower Gila	3,402,000	3,787,000	2,774,000	1,013,000	
Phoenix	691,000	2,079,000	1,988,000	91,000	
San Simon	896,000	1,181,000	1,111,000	70,000	
Gila	463,000	679,000	571,000	108,000	
Yuma	1,192,000	989,000	635,000	354,000	
Havasu	<u>See Yuma</u>	<u>See Yuma</u>	<u>See Yuma</u>	<u>See Yuma</u>	
Total	<u>11,438,000</u>	<u>14,238,000</u>	<u>11,832,000</u>	<u>2,406,000</u>	

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
10	9,445	0	0	0	0	0	0
97	125,880	4	0	0	0	0	4
32	80,024	0	0	0	0	0	0
13	27,682	0	0	0	0	0	0
23	59,796	0	0	0	0	0	0
145	501,297	0	0	0	0	0	0
14	34,527	0	0	0	0	0	0
38	42,715	2	0	0	0	0	0
<u>See Yuma</u>	<u>See Yuma</u>	<u>See Yuma</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>372</u>	<u>881,366</u>	<u>6</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>4</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

^dThe "discretionary closures" column remains without reported data because areas closed to leasing have not yet been identified.

Table 2.3: California

<u>Resource area</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
Caliente	537,000	1,035,000	956,000	79,000	0
Bishop	775,000	787,000	512,000	275,000	0
Folsom	295,000	599,000	584,000	13,000	2,000
Hollister	316,000	792,000	768,000	24,000	0
Eagle Lake	997,000	1,049,000	658,000	390,000	1,000
Alturas	493,000	609,000	552,000	57,000	0
Surprise	1,411,000	1,438,000	1,112,000	326,000	0
Arcata	112,000	203,000	134,000	69,000	0
Clear Lake	202,000	414,000	373,000	39,000	2,000
Redding	354,000	535,000	533,000	1,000	1,000
Ridgecrest	2,552,000	2,560,000	1,043,000	1,517,000	0
Indio	1,755,000	2,030,000	1,215,000	815,000	0
El Centro	1,188,000	1,419,000	1,114,000	301,000	4,000
Barstow	3,360,000	3,623,000	2,143,000	1,480,000	0
Needles	4,258,000	4,352,000	1,870,000	2,463,000	19,000
Total	<u>18,605,000</u>	<u>21,445,000</u>	<u>13,567,000</u>	<u>7,849,000</u>	<u>29,000</u>

Number of Wells^c

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
1,048	515,000	9	297	3,323	1,590	393	91
0	0	0	0	0	0	0	0
29	2,000	1	0	0	0	0	0
289	193,000	3	18	89	170	18	6
1	1,000	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	8,000	0	0	0	0	0	0
1	1,000	0	0	0	0	0	0
63	64,000	0	2	0	0	0	0
19	7,000	0	0	0	0	0	0
34	112,000	0	0	0	0	2	0
10	8,000	1	7	64	82	36	7
29	116,000	0	0	0	0	0	0
13	21,000	4	0	0	0	0	0
3	7,000	0	0	0	0	0	0
<u>1,540</u>	<u>1,055,000</u>	<u>18</u>	<u>324</u>	<u>3,476</u>	<u>1,842</u>	<u>449</u>	<u>104</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 2.4: Colorado

<u>Resource area</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
Little Snake	2,104,000	2,743,000	2,267,000	329,000	147,000
White River	1,845,000	2,209,000	2,130,000	79,000	0
Kremmling	2,047,000	2,312,000	2,123,000	92,000	97,000
Uncompahgre	2,003,000	2,260,000	2,086,000	174,000	0
Gunnison Basin	2,328,000	2,503,000	2,402,000	101,000	0
San Juan	2,308,000	2,608,000	2,263,000	345,000	0
San Luis	2,180,000	2,276,000	1,841,000	435,000	0
Royal Gorge	2,930,000	5,337,000	4,863,000	473,000	1,000
Northeast	1,001,000	1,442,000	1,327,000	113,000	2,000
Grand Junction	1,725,000	1,906,000	1,458,000	448,000	0
Glenwood Springs	<u>1,900,000</u>	<u>2,112,000</u>	<u>1,240,000</u>	<u>861,000</u>	<u>11,000</u>
Total	<u>22,371,000</u>	<u>27,708,000</u>	<u>24,000,000</u>	<u>3,450,000</u>	<u>258,000</u>

Note: Oil and gas leasing and drilling activity includes Forest Service lands.

Number of leases	Acres leased	Number of Wells ^C					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
1,849	1,729,161	54	10	388	372	41	92
1,591	1,355,897	42	7	783	387	393	94
137	189,599	3	4	47	34	39	4
277	465,512	3	0	9	2	2	1
16	86,348	0	0	0	0	0	293
795	830,154	24	25	152	66	24	8
182	909,931	2	0	0	0	0	3
6,922	714,077	3	7	53	23	32	80
804	374,796	20	46	313	66	93	263
1,074	931,510	1	4	139	305	14	11
<u>487</u>	<u>601,836</u>	<u>2</u>	<u>10</u>	<u>28</u>	<u>47</u>	<u>9</u>	<u>3</u>
<u>14,134</u>	<u>8,188,821</u>	<u>154</u>	<u>113</u>	<u>1,912</u>	<u>1,302</u>	<u>647</u>	<u>852</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 2.5: Idaho

<u>Resource area</u>	<u>Acreeage^a</u>		<u>Acreeage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
Cascade	488,000	488,000	457,000	31,000	0
Owyhee	1,352,000	1,352,000	1,352,000	0	0
Bruneau	2,054,000	2,054,000	2,054,000	0	0
Jarbidge	1,686,000	1,474,000	1,258,000	216,000	0
Deep Creek	385,000	385,000	385,000	0	0
Snake River (Cassia)	1,026,000	1,129,000	1,129,000	0	0
Emerald Empire	115,000	324,000	297,000	27,000	0
Cottonwood (Chief Joseph)	134,000	184,000	173,000	12,000	0
Pocatello	264,000	393,000	355,000	28,000	11,000
Big Butte	1,420,000	1,640,000	933,000	707,000	0
Medicine Lodge	789,000	931,000	777,000	148,000	7,000
Lenhi	460,000	460,000	445,000	0	15,000
Challis	833,000	843,000	843,000	0	0
Monument	1,179,000	1,180,000	854,000	325,000	1,000
Bennett Hills	649,000	649,000	588,000	61,000	d
Total	<u>12,834,000</u>	<u>13,486,000</u>	<u>11,900,000</u>	<u>1,555,000</u>	<u>34,000</u>

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
17	96,903	0	0	0	0	0	0
6	21,486	0	0	0	0	0	0
20	31,445	0	0	0	0	0	0
17	10,460	0	0	0	0	0	0
3	838	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
91	257,966	0	0	0	0	0	0
19	71,802	0	0	0	0	0	0
120	271,057	0	0	0	0	0	0
1	9,781	0	0	0	0	0	0
19	114,605	0	0	0	0	0	0
6	35,253	0	0	0	0	0	0
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>319</u>	<u>921,596</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

^dLess than 500 acres.

Table 2.6: Montana, South Dakota, and North Dakota

<u>Resource area</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>Montana</u>					
Headwaters	311,000	655,000	606,000	39,000	10,000
Dillon	985,000	1,457,000	1,326,000	129,000	2,000
Garnet	147,000	205,000	175,000	28,000	2,000
Judith	750,000	1,032,000	968,000	50,000	14,000
Phillips	1,090,000	1,541,000	1,472,000	37,000	32,000
Valley	1,022,000	1,237,000	1,171,000	66,000	0
Havre	542,000	1,112,000	1,033,000	72,000	7,000
Great Falls	37,000	179,000	179,000	0	0
Powder River	1,081,000	2,502,000	2,488,000	14,000	0
Billings	425,000	651,000	619,000	32,000	0
Big Dry	1,624,000	2,258,000	2,176,000	82,000	0
<u>South Dakota</u>					
South Dakota	281,000	3,410,000	3,410,000	0	0
<u>North Dakota</u>					
Dickinson	<u>67,000</u>	<u>460,000</u>	<u>460,000</u>	<u>0</u>	<u>0</u>
Total	<u>8,362,000</u>	<u>16,699,000</u>	<u>16,083,000</u>	<u>549,000</u>	<u>67,000</u>

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
41	61,965	1	0	0	0	0	1
69	128,609	0	0	0	0	0	3
14	9,394	0	0	0	0	0	0
405	339,737	0	4	27	9	38	5
699	677,568	1	3	484	55	0	39
338	294,390	1	0	25	6	0	16
509	513,268	12	15	75	42	0	135
868	381,525	4	32	285	118	167	50
967	1,180,065	23	7	34	94	65	63
526	309,813	13	2	12	21	12	25
1,324	926,397	3	62	280	89	247	88
515	669,583	11	4	35	10	15	50
<u>764</u>	<u>252,630</u>	<u>12</u>	<u>75</u>	<u>463</u>	<u>177</u>	<u>73</u>	<u>446</u>
<u>7,039</u>	<u>5,744,944</u>	<u>81</u>	<u>204</u>	<u>1,720</u>	<u>621</u>	<u>617</u>	<u>921</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 2.7: Nevada

<u>Resource area</u>	<u>Acreeage^a</u>		<u>Acreeage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
Shoshone-Eureka	4,366,000	4,366,000	4,201,000	0	165,000
Tonopah	6,306,000	6,306,000	5,582,000	0	724,000
Lahontan	2,455,000	2,455,000	2,021,000	81,000	434,000
Walker	1,925,000	1,925,000	1,799,000	125,000	126,000
Elko	3,134,000	3,134,000	3,079,000	0	55,000
Wells	4,275,000	4,275,000	4,129,000	0	145,000
Egan	3,842,000	3,842,000	3,588,000	0	255,000
Schell	4,239,000	4,239,000	3,814,000	0	425,000
Stateline	4,346,000	4,346,000	4,321,000	0	26,000
Caliente	6,380,000	6,380,000	3,272,000	3,035,000	73,000
Paradise-Denio	3,729,000	3,729,000	3,186,000	0	543,000
Sonoma-Gerlach	4,260,000	4,260,000	3,706,000	0	554,000
Total	<u>49,257,000</u>	<u>49,257,000</u>	<u>42,698,000</u>	<u>3,241,000</u>	<u>3,525,000</u>

Number of Wells^c

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
412	1,552,672	0	0	0	0	0	0
580	922,076	28	0	33	11	0	21
21	41,160	0	0	0	0	0	0
0	0	0	0	0	0	0	0
403	915,458	7	0	4	0	1	6
120	307,331	0	0	0	0	0	0
1,038	2,592,245	9	0	0	0	0	8
376	1,063,976	3	0	0	0	0	3
108	144,967	10	0	0	0	0	6
117	347,665	2	0	0	0	0	0
1	678	0	0	0	0	0	0
19	29,509	0	0	0	0	0	0
<u>3,195</u>	<u>7,917,737</u>	<u>59</u>	<u>0</u>	<u>37</u>	<u>11</u>	<u>1</u>	<u>44</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 2.8: New Mexico

<u>Resource area</u>	<u>Acreage^a</u>		<u>Acreage Open/Closed to Leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
Rio Puerco	978,000	4,600,000	3,718,000	880,000	2,000
Farmington	1,508,000	5,700,000	5,615,000	40,000	45,000
Taos	564,000	4,500,000	4,242,000	240,000	18,000
Mimbres	3,045,000	4,700,000	3,420,000	1,280,000	0
White Sands	1,800,000	7,500,000	5,360,000	2,140,000	0
Socorro	1,520,000	7,600,000	4,450,000	3,150,000	0
Oklahoma City ^d	3,000	6,464,000	5,114,000	1,350,000	0
Roswell	1,367,000	1,900,000	1,300,000	599,000	1,000
Carlsbad	2,171,000	2,700,000	2,600,000	100,000	0
Total	<u>12,956,000</u>	<u>45,664,000</u>	<u>35,819,000</u>	<u>9,779,000</u>	<u>66,000</u>

Note: Oil and gas leasing and drilling activity includes Forest Service data.

Number of Wells^c

Number of leases	Acres leased	Exploratory	Developmental	Producing	Capable of producing	Other	Pending and approved abandonments
496	463,000	9	6	23	42	24	65
3,411	2,000,000	48	638	6,095	1,444	674	680
369	500,000	0	0	6	5	0	1
158	286,486	6	0	0	0	0	72
191	392,365	3	0	0	0	0	25
320	927,541	3	0	0	0	0	15
1,987	987,846	0	356	4,373	1,008	692	495
2,363	1,789,153	161	67	1,462	655	316	214
5,003	2,128,262	196	444	7,112	1,203	1,350	678
<u>14,298</u>	<u>9,474,653</u>	<u>426</u>	<u>1,511</u>	<u>19,071</u>	<u>4,357</u>	<u>3,056</u>	<u>2,245</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

^dOklahoma City includes BLM lands in Oklahoma, Kansas, and Texas.

Table 2.9: Oregon and Washington

<u>Resource area</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>Oregon</u>					
Three Rivers	1,709,000	2,216,000	2,114,000	102,000	0
Andrews	1,652,000	1,847,000	526,000	1,321,000	0
Tioga	101,000	103,000	103,000	0	0
Umpqua	122,000	123,000	123,000	0	0
Myrtlewood	106,000	110,000	110,000	0	0
South Valley	109,000	110,000	110,000	0	0
McKenzie	94,000	94,000	94,000	0	0
Coast Range	115,000	115,000	115,000	0	0
Klamath Falls	201,000	229,000	229,000	0	0
Lakeview	3,133,000	3,215,000	2,792,000	423,000	0
Butte Falls	209,000	210,000	210,000	0	0
Ashland	204,000	206,000	200,000	6,000	0
Grants Pass	247,000	247,000	241,000	6,000	0
Glendale	168,000	168,000	159,000	9,000	0
Central Oregon	752,000	1,215,000	1,215,000	0	0
Deschutes	852,000	1,066,000	1,062,000	4,000	0
North Umpqua	94,000	94,000	94,000	0	0
South Umpqua	111,000	111,000	111,000	0	0
Dillard	92,000	92,000	92,000	0	0
Drain	128,000	129,000	129,000	0	0
Santiam	88,000	132,000	132,000	0	0
Alsea	80,000	119,000	119,000	0	0
Tillamook	67,000	101,000	101,000	0	0
Yamhill	87,000	131,000	131,000	0	0
Clackamas	75,000	113,000	107,000	6,000	0
Baker	430,000	1,369,000	1,347,000	22,000	0
Malheur	1,722,000	1,922,000	1,620,000	269,000	33,000
Jordan	<u>2,753,000</u>	<u>3,053,000</u>	<u>1,965,000</u>	<u>1,018,000</u>	<u>70,000</u>
<u>Washington</u>					
Wenatchee	3,000	347,000	347,000	0	0
Border	<u>308,000</u>	<u>478,000</u>	<u>464,000</u>	<u>7,000</u>	<u>8,000</u>
Total	<u>15,812,000</u>	<u>19,465,000</u>	<u>16,162,000</u>	<u>3,193,000</u>	<u>111,000</u>

Number of Wells^c

<u>Number of leases</u>	<u>Acres leased</u>	<u>Exploratory</u>	<u>Developmental</u>	<u>Producing</u>	<u>Capable of production</u>	<u>Other</u>	<u>Pending and approved abandonments</u>
3	2,239	0	0	0	0	0	0
0	0	0	0	0	0	0	0
4	4,610	0	0	0	0	0	0
6	14,887	0	0	0	0	0	0
2	5,544	0	0	0	0	0	0
16	27,193	0	0	0	0	0	0
13	20,653	0	0	0	0	0	0
4	6,826	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
5	14,564	0	0	0	0	0	0
1	1,121	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
87	181,286	0	0	0	0	0	0
37	77,694	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	2,880	0	0	0	0	0	0
13	13,229	0	0	0	0	0	0
12	25,139	0	0	0	0	0	0
3	2,284	0	0	0	0	0	0
18	24,000	0	0	0	0	0	0
24	29,985	0	0	0	0	0	0
3	9,590	0	0	0	0	0	0
63	137,280	0	0	0	0	0	0
1	480	0	0	0	0	0	0
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
475	648,600	1	0	0	0	1	0
<u>43</u>	<u>56,400</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>835</u>	<u>1,306,484</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 2.10: Utah

<u>Resource area</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
Bear River	997,000	1,449,000	1,449,000	0	0
Pony Express	1,991,000	2,074,000	2,036,000	38,000	0
Dixie	639,000	696,000	663,000	30,000	3,000
Kanab	1,794,000	1,955,000	1,390,000	565,000	0
Escalante	1,067,000	1,163,000	775,000	385,000	0
Beaver River	2,210,000	2,409,000	2,395,000	15,000	0
Warm Springs	2,227,000	2,427,000	2,204,000	223,000	0
House Range	2,245,000	2,447,000	2,274,000	151,000	22,000
Henry Mt.	1,938,000	2,112,000	1,626,000	427,000	59,000
Sevier River	720,000	785,000	785,000	0	0
San Juan	1,779,000	2,166,000	1,624,000	387,000	155,000
Grand	1,853,000	2,176,000	1,791,000	357,000	29,000
Price River	943,000	1,221,000	940,000	278,000	3,000
San Rafael	1,622,000	1,876,000	1,578,000	254,000	44,000
Diamond Mt.	667,000	667,000	667,000	0	0
Book Cliffs	1,080,000	1,314,000	1,262,000	52,000	0
Total	<u>23,772,000</u>	<u>26,937,000</u>	<u>23,459,000</u>	<u>3,162,000</u>	<u>315,000</u>

Number of Wells^c

Number of leases	Acres leased	<u>Exploratory</u>	<u>Developmental</u>	<u>Producing</u>	<u>Capable of production</u>	<u>Other</u>	<u>Pending and approved abandonments</u>
12	17,198	7	0	1	1	8	28
359	559,551	2	0	0	0	0	13
20	15,949	1	0	0	0	0	6
102	146,544	1	0	0	0	0	0
167	325,515	0	0	5	0	1	1
57	90,135	0	0	0	0	0	1
56	183,839	0	0	0	0	0	3
161	369,925	0	0	0	0	0	4
269	521,193	4	0	0	0	0	10
260	448,940	0	0	0	0	0	1
920	879,109	65	95	94	39	20	129
1,137	954,253	6	53	253	157	65	246
949	1,025,273	2	0	13	17	4	52
355	498,156	2	3	0	20	1	9
671	590,015	0	21	168	58	53	12
1,137	879,788	4	105	638	265	158	59
<u>6,632</u>	<u>7,505,383</u>	<u>94</u>	<u>277</u>	<u>1,172</u>	<u>557</u>	<u>310</u>	<u>574</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 2.11: Wyoming

<u>Resource area</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
Platte River	1,399,000	4,662,000	4,661,000	1,000	0
Buffalo	799,000	3,001,000	2,971,000	30,000	0
Newcastle	302,000	1,616,000	1,615,000	0	1,000
Great Divide	4,000,000	5,000,000	4,880,000	120,000	0
Lander	2,198,000	2,770,000	2,689,000	59,000	22,000
Green River	3,264,000	3,369,000	3,093,000	258,000	18,000
Kemmerer	1,633,000	1,837,000	1,804,000	0	33,000
Pinedale	925,000	1,193,000	1,185,000	8,000	0
Grass Creek	1,500,000	1,200,000	1,147,000	52,000	1,000
Washakie	1,230,000	1,603,000	1,520,000	72,000	11,000
Cody	<u>1,094,000</u>	<u>1,508,000</u>	<u>1,494,000</u>	<u>14,000</u>	0
Total	<u>18,344,000</u>	<u>27,759,000</u>	<u>27,059,000</u>	<u>614,000</u>	<u>86,000</u>

Number of Leases	Acres leased	Number of Wells ^C					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
3,797	2,209,526	71	311	2,037	921	1,481	190
5,718	2,826,215	131	466	1,770	829	1,217	1,056
3,813	1,502,000	41	274	1,062	324	700	260
2,913	2,310,000	21	70	482	259	275	209
2,108	1,672,000	19	9	740	262	328	169
3,255	2,986,000	38	99	682	94	350	219
1,539	1,518,000	17	18	251	107	117	78
923	871,426	20	24	684	157	524	112
1,274	1,095,000	51	4	789	121	648	61
1,319	693,000	58	3	424	134	145	113
1,342	883,158	69	5	1,068	241	633	133
<u>28,001</u>	<u>18,566,325</u>	<u>536</u>	<u>1,283</u>	<u>9,989</u>	<u>3,449</u>	<u>6,418</u>	<u>2,600</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 2.12: Eastern States

State	District Office	Acreage ^a		Acreage open/closed to leasing ^{ab}		
		Surface	Subsurface	Open to leasing	Nondiscretionary closures	Discretionary closures
Ala.	Jackson	3,000	142,000	142,000	0	0
Ark.	Jackson	2,000	96,000	96,000	0	0
Conn.	Milwaukee	0	12,000	0	0	0
Del.	Milwaukee	0	5,000	0	0	0
Fla.	Jackson	2,000	575,000	575,000	0	0
Ga.	Jackson	0	82,000	0	0	0
Ill.	Milwaukee	0	4,000	4,000	0	0
Ind.	Milwaukee	0	18,000	0	0	0
Ia.	Milwaukee	0	3,000	0	0	0
Ky.	Jackson	0	24,000	0	0	0
La.	Jackson	2,000	38,000	38,000	0	0
Me.	Milwaukee	0	17,000	0	0	0
Md.	Milwaukee	0	15,000	0	0	0
Mass.	Milwaukee	0	0	0	0	0
Mich.	Milwaukee	1,000	137,000	137,000	0	0
Minn.	Milwaukee	44,000	241,000	241,000	0	0
Miss.	Jackson	2,000	87,000	87,000	0	0
Mo.	Milwaukee	^d	14,000	14,000	0	0
N.H.	Milwaukee	0	1,000	0	0	0
N.J.	Milwaukee	0	0	0	0	0
N.Y.	Milwaukee	0	73,000	0	0	0
N.C.	Jackson	0	38,000	0	0	0
Ohio	Milwaukee	^d	80,000	0	0	0
Penn.	Milwaukee	0	31,000	0	0	0
R.I.	Milwaukee	0	10,000	0	0	0
S.C.	Jackson	0	56,000	0	0	0
Tenn.	Jackson	0	66,000	66,000	0	0
Vt.	Milwaukee	0	0	0	0	0
Va.	Jackson	0	39,000	0	0	0
W.Va.	Milwaukee	0	15,000	0	0	0
Wis.	Milwaukee	4,000	53,000	53,000	0	0
Total		<u>60,000</u>	<u>1,972,000</u>	<u>1,453,000</u>	<u>0</u>	<u>0</u>

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
129	15,451	0	0	1	3	0	0
46	8,866	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
29	3,364	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
187	18,820	0	13	33	13	5	1
0	0	0	0	0	0	0	0
2	3,570	0	0	1	1	82	1
0	0	0	0	0	0	0	0
62	5,257	6	1	74	6	701	5
0	0	0	0	0	0	0	0
102	9,886	0	0	3	0	1	0
1	1,325	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	937	2	0	0	0	0	2
0	0	0	0	0	0	0	0
1	60	0	0	3	0	33	0
0	0	0	0	0	0	19	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
4	1,024	0	0	0	0	0	0
<u>565</u>	<u>68,560</u>	<u>8</u>	<u>14</u>	<u>115</u>	<u>23</u>	<u>841</u>	<u>9</u>

^aAll acreage figures except for the "acres leased" column are rounded to the nearest thousand. The subsurface mineral estate acreage is generally greater than the surface acreage because the federal government owns the mineral rights to some privately owned lands.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" result from decisions made as part of the agency's land use planning process. Some eastern states have no planning documents, and no determination has been made regarding areas open or closed to leasing. This is indicated in these columns with a zero.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

^dLess than 500 acres.

SECTION 3

STATUS OF FOREST SERVICE OIL AND GAS LEASING/DRILLING ACTIVITY
BY REGION AND STATE THROUGH FISCAL YEAR 1988

Table 3.1: Region 1--Idaho and Montana

<u>National forests</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>Idaho</u>					
Clearwater	1,759,000	1,759,000	1,741,000	18,000	0
Coeur d'Alene	725,000	725,000	2,827,000	385,000	0
Kaniksu	1,622,000	1,622,000	see Coeur	see Coeur	0
St. Joe	865,000	865,000	see Coeur	see Coeur	0
Nezperce	2,223,000	2,223,000	1,334,000	889,000	0
<u>Montana</u>					
Beaverhead	2,129,000	2,129,000	1,788,000	341,000	0
Bitterroot	1,578,000	1,578,000	757,000	821,000	0
Custer	1,186,000	1,186,000	961,000	225,000	0
Deerlodge	1,194,000	1,194,000	1,134,000	60,000	0
Flathead	2,353,000	2,353,000	1,106,000	1,177,000	71,000
Gallatin	1,738,000	1,738,000	991,000	747,000	0
Helena	977,000	977,000	879,000	98,000	0
Kootenai	1,822,000	1,822,000	1,640,000	182,000	0
Lewis and Clark	1,844,000	1,844,000	1,438,000	406,000	0
Lolo	2,112,000	2,112,000	1,753,000	359,000	0
Total	<u>24,127,000</u>	<u>24,127,000</u>	<u>18,349,000</u>	<u>5,708,000</u>	<u>71,000</u>

<u>Number of leases</u>	<u>Acres leased</u>	<u>Number of Wells^C</u>					<u>Pending and approved abandonments</u>
		<u>Exploratory</u>	<u>Developmental</u>	<u>Producing</u>	<u>Capable of production</u>	<u>Other</u>	
0	0	0	0	0	0	0	0
2	9,898	0	0	0	0	0	0
see Coeur	see Coeur	0	0	0	0	0	0
see Coeur	see Coeur	0	0	0	0	0	0
0	0	0	0	0	0	0	0
56	93,015	2	0	0	0	0	2
0	0	0	0	0	0	0	0
976	974,114	48	23	625	169	300	293
7	3,890	0	0	0	0	0	0
605	1,149,079	0	0	0	0	0	0
78	113,162	0	0	0	0	0	2
90	186,415	0	0	0	0	0	2
147	437,741	0	0	0	0	0	0
120	268,970	1	0	0	1	0	4
74	88,651	0	0	0	0	0	0
<u>2,155</u>	<u>3,324,935</u>	<u>51</u>	<u>23</u>	<u>625</u>	<u>170</u>	<u>300</u>	<u>303</u>

^aAll acreage figures except "acres leased" column rounded to the nearest thousand. The figures provided are the best estimates the Forest Service has available.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" are based on land use plan decisions.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 3.2: Region 2--Colorado, Nebraska, South Dakota, and Wyoming

<u>National forests</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>Colorado</u>					
Arapaho	1,216,000	1,097,000	1,188,000	490,000	207,000
Roosevelt	788,000	788,000	see Arapaho	see Arapaho	see Arapaho
Grand Mesa	346,000	346,000	2,066,000	502,000	384,000
Uncompahgre	944,000	944,000	see GM	see GM	see GM
Gunnison	1,662,000	1,662,000	see GM	see GM	see GM
Pike	1,638,000	1,369,000	2,213,000	249,000	25,000
San Isabel	1,118,000	1,118,000	see Pike	see Pike	see Pike
Rio Grande	1,855,000	1,855,000	1,224,000	278,000	352,000
Routt	1,127,000	1,127,000	924,000	158,000	45,000
San Juan	1,882,000	1,882,000	1,336,000	358,000	188,000
White River	1,963,000	1,963,000	923,000	569,000	471,000
<u>Nebraska</u>					
Nebraska	944,000	241,000	350,000	0	7,000
Samuel R. McKelvie	116,000	116,000	see Nebra.	see Nebra.	see Nebra.
<u>South Dakota</u>					
Black Hills	1,236,000	1,236,000	1,224,000	12,000	0
<u>Wyoming</u>					
Bighorn	1,108,000	1,108,000	720,000	188,000	199,000
Medicine Bow	1,666,000	1,103,000	1,048,000	55,000	0
Shoshone	2,433,000	2,433,000	462,000	1,387,000	584,000
Total	<u>22,042,000</u>	<u>20,388,000</u>	<u>13,678,000</u>	<u>4,246,000</u>	<u>2,462,000</u>

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
206 see Arapaho	148,339 see Arapaho	10 see Arapaho	30 see Arapaho	38 see Arapaho	5 see Arapaho	0 see Arapaho	20 see Arapaho
261 see GM	491,410 see GM	15 see GM	10 see GM	14 see GM	14 see GM	0 see GM	5 see GM
424 see Pike	340,133 see Pike	15 see Pike	50 see Pike	347 see Pike	0 see Pike	206 see Pike	45 see Pike
160	817,523	0	0	0	0	0	2
178	273,651	3	1	3	0	0	3
299	541,157	3	25	17	13	4	8
259	342,876	20	50	115	18	18	7
171 see Nebr.	204,987 see Nebr.	10 see Nebr.	5 see Nebr.	7 see Nebr.	0 see Nebr.	2 see Nebr.	6 see Nebr.
37	58,786	0	0	0	0	0	0
17	59,785	1	0	0	0	0	0
1,391	579,474	30	70	412	0	6	40
<u>281</u>	<u>401,842</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>3</u>
<u>3,684</u>	<u>4,259,963</u>	<u>110</u>	<u>241</u>	<u>953</u>	<u>50</u>	<u>236</u>	<u>139</u>

^aAll acreage figures except "acres leased" column rounded to the nearest thousand. The figures provided are the best estimates the Forest Service has available.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" are based on land use plan decisions.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 3.3: Region 3--Arizona and New Mexico

<u>National forests</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>Arizona</u>					
Apache	1,803,000	1,803,000	2,240,000	49,000	172,000
Sitgreaves	817,000	659,000	see Apache	see Apache	see Apache
Coconino	1,841,000	1,841,000	1,638,000	147,000	55,000
Coronado	1,779,000	1,779,000	1,352,000	427,000	0
Kaibab	1,556,000	1,556,000	1,447,000	109,000	0
Prescott	1,238,000	1,238,000	1,127,000	111,000	0
Tonto	2,873,000	2,873,000	2,270,000	603,000	0
<u>New Mexico</u>					
Carson	1,391,000	1,209,000	1,076,000	133,000	0
Cibola	1,897,000	1,488,000	1,354,000	134,000	0
Gila	2,705,000	2,705,000	1,894,000	784,000	27,000
Lincoln	1,103,000	1,037,000	933,000	104,000	0
Santa Fe	1,569,000	1,430,000	1,144,000	286,000	0
Total	<u>20,572,000</u>	<u>19,618,000</u>	<u>16,475,000</u>	<u>2,887,000</u>	<u>254,000</u>

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
192	945,650	0	0	0	0	0	0
see Apache	see Apache	0	0	0	0	0	0
2	2,580	0	0	0	0	0	1
48	85,007	0	0	0	0	0	0
32	82,837	0	0	0	0	0	1
0	0	0	0	0	0	0	0
1	1,280	0	0	0	0	0	0
160	366,199	1	79	393	10	2	15
157	227,649	0	0	22	0	0	0
114	512,563	0	0	0	0	0	1
129	202,248	0	0	0	0	0	1
123	148,467	0	0	100	0	0	0
<u>958</u>	<u>2,574,480</u>	<u>1</u>	<u>79</u>	<u>515</u>	<u>10</u>	<u>2</u>	<u>19</u>

^aAll acreage figures except "acres leased" column rounded to the nearest thousand. The figures provided are the best estimates the Forest Service has available.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" are based on land use plan decisions.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 3.4: Region 4—Idaho, Nevada, Utah, and Wyoming

<u>National forests</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>Idaho</u>					
Boise	2,649,000	2,649,000	2,490,000	79,000	79,000
Caribou	987,000	987,000	948,000	39,000	0
Challis	2,464,000	2,464,000	1,700,000	764,000	0
Payette	2,324,000	2,324,000	1,511,000	813,000	0
Salmon	1,771,000	1,771,000	1,346,000	425,000	0
Sawtooth	1,805,000	1,805,000	1,625,000	181,000	0
Targhee	1,643,000	1,643,000	1,528,000	115,000	0
<u>Nevada</u>					
Humboldt	2,469,000	2,469,000	2,395,000	74,000	0
Toiyabe	3,208,000	3,208,000	3,048,000	160,000	0
<u>Utah</u>					
Ashley	1,384,000	1,384,000	1,107,000	277,000	0
Dixie	1,884,000	1,884,000	1,790,000	94,000	0
Fishlake	1,425,000	1,425,000	1,425,000	0	0
Manti-LaSal	1,265,000	1,265,000	1,214,000	51,000	0
Uinta	813,000	813,000	764,000	49,000	0
Wasatch	885,000	885,000	1,076,000	437,000	47,000
Cache	675,000	675,000	see Wasatch	see Wasatch	see Wasatch
<u>Wyoming</u>					
Bridger	1,734,000	1,734,000	2,040,000	1,326,000	34,000
Teton	1,666,000	1,666,000	see Bridger	see Bridger	see Bridger
Total	<u>31,051,000</u>	<u>31,051,000</u>	<u>26,007,000</u>	<u>4,884,000</u>	<u>160,000</u>

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
0	0	0	0	0	0	0	0
63	156,402	0	0	0	0	0	2
20	118,961	0	0	0	0	0	0
5	36,011	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
127	263,813	0	0	0	0	0	3
24	48,246	0	0	0	0	0	0
4	9,041	0	0	0	0	0	0
97	249,194	0	0	0	0	0	0
94	231,046	0	0	13	9	11	0
29	139,868	0	0	0	0	1	2
187	446,392	0	0	6	0	0	17
21	36,225	0	0	0	0	0	0
89	144,197	8	14	24	0	1	6
see Wasatch	see Wasatch	see Wasatch	see Wasatch	see Wasatch	see Wasatch	see Wasatch	see Wasatch
326	375,577	1	0	11	5	0	138
see Bridger	see Bridger	see Bridger	see Bridger	see Bridger	see Bridger	see Bridger	see Bridger
<u>1,086</u>	<u>2,254,973</u>	<u>9</u>	<u>14</u>	<u>54</u>	<u>14</u>	<u>13</u>	<u>168</u>

^aAll acreage figures except "acres leased" column rounded to the nearest thousand. The figures provided are the best estimates the Forest Service has available.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, Secretarial decision, or Executive order. "Discretionary closures" are based on land use plan decisions.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 3.5: Region 5--California

<u>National forests</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>California</u>					
Angeles	654,000	654,000	177,000	477,000	0
Cleveland	421,000	421,000	354,000	67,000	0
Eldorado	675,000	675,000	533,000	122,000	20,000
Inyo	1,897,000	1,897,000	949,000	740,000	209,000
Klamath	1,707,000	1,707,000	1,127,000	393,000	188,000
Lassen	1,056,000	1,056,000	866,000	74,000	116,000
Los Padres	1,753,000	1,753,000	719,000	1,034,000	0
Mendicino	884,000	884,000	725,000	141,000	18,000
Modoc	1,664,000	1,664,000	1,564,000	83,000	17,000
Plumas	1,163,000	1,163,000	1,047,000	35,000	81,000
San Bernardino	659,000	659,000	501,000	112,000	46,000
Sequoia	1,124,000	1,124,000	832,000	292,000	0
Shasta	1,143,000	1,143,000	1,682,000	502,000	0
Trinity	1,041,000	1,041,000	see Shasta	see Shasta	see Shasta
Sierra	1,303,000	1,303,000	691,000	586,000	26,000
Six Rivers	988,000	988,000	850,000	138,000	0
Stanislaus	899,000	899,000	612,000	216,000	72,000
Calaveras Bigtree	^d	^d	see Stan.	see Stan.	see Stan.
Tahoe	<u>827,000</u>	<u>827,000</u>	<u>777,000</u>	<u>17,000</u>	<u>33,000</u>
Total	<u>19,858,000</u>	<u>19,858,000</u>	<u>14,006,000</u>	<u>5,029,000</u>	<u>826,000</u>

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
33	22,500	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
87	108,000	1	0	157	0	0	150
0	0	0	0	0	0	0	0
1	8,000	0	0	0	0	0	0
0	0	0	0	0	0	0	0
18	31,200	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
<u>139</u>	<u>169,700</u>	<u>1</u>	<u>0</u>	<u>157</u>	<u>0</u>	<u>0</u>	<u>150</u>

^aAll acreage figures except "acres leased" column rounded to the nearest thousand. The figures provided are the best estimates the Forest Service has available.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" are based on land use plan decisions.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

^dLess than 500 acres.

Table 3.6: Region 6--Oregon and Washington

National forests	Acreage ^a		Acreage Open/Closed to Leasing ^{ab}		
	Surface	Subsurface	Open to leasing	Nondiscretionary closures	Discretionary closures
<u>Oregon</u>					
Deschutes	1,605,000	1,605,000	1,268,000	177,000	161,000
Fremont	1,200,000	1,200,000	1,116,000	24,000	60,000
Malheur	1,462,000	1,462,000	1,345,000	88,000	29,000
Mt. Hood	1,061,000	1,061,000	700,000	223,000	138,000
Ochoco	845,000	845,000	710,000	34,000	101,000
Rogue River	629,000	629,000	440,000	88,000	101,000
Siskiyou	1,094,000	1,094,000	788,000	263,000	44,000
Siuslaw	629,000	629,000	528,000	50,000	50,000
Umatilla	1,403,000	1,403,000	1,010,000	337,000	56,000
Umpqua	985,000	985,000	847,000	108,000	30,000
Wallowa	991,000	991,000	1,377,000	835,000	45,000
Whitman	1,266,000	1,266,000	see Wallowa	see Wallowa	see Wallowa
Willamette	1,675,000	1,675,000	1,139,000	385,000	151,000
Winema	1,038,000	1,038,000	747,000	93,000	197,000
<u>Washington</u>					
Colville	947,000	947,000	843,000	28,000	76,000
Gifford Pinochet	1,292,000	1,292,000	698,000	284,000	310,000
Mt. Baker	1,281,000	1,281,000	706,000	1,185,000	631,000
Snoqualmie	1,241,000	1,241,000	see Mt. Bak.	see Mt. Baker	see Mt. Baker
Okanogan	1,500,000	1,500,000	810,000	555,000	135,000
Olympia	643,000	643,000	444,000	90,000	109,000
Wenatchee	1,659,000	1,659,000	680,000	647,000	332,000
Total	<u>24,446,000</u>	<u>24,446,000</u>	<u>16,196,000</u>	<u>5,494,000</u>	<u>2,756,000</u>

<u>Number of leases</u>	<u>Acres leased</u>	<u>Number of Wells^C</u>					<u>Pending and approved abandonments</u>
		<u>Exploratory</u>	<u>Developmental</u>	<u>Producing</u>	<u>Capable of production</u>	<u>Other</u>	
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
11	41,831	0	0	0	0	0	0
0	0	0	0	0	0	0	0
71	158,030	0	0	0	0	0	0
18	34,621	0	0	0	0	0	0
0	0	0	0	0	0	0	0
4	3,068	0	0	0	0	0	0
21	116,891	0	0	0	0	0	0
8	20,312	0	0	0	0	0	0
1	136	0	0	0	0	0	0
0	0	0	0	0	0	0	0
4	8,455	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
31	21,031	0	0	0	0	0	0
3	4,059	0	0	0	0	0	0
see Mt. Bak.	see Mt. Bak.	0	0	0	0	0	0
1	3,200	0	0	0	0	0	0
2	5,555	0	0	0	0	0	0
26	71,836	0	0	0	0	0	0
<u>201</u>	<u>489,025</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

^aAll acreage figures except "acres leased" column rounded to the nearest thousand. The figures provided are the best estimates the Forest Service has available.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" are based on land use plan decisions.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

Table 3.7: Region 8--Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Puerto Rico, South Carolina, Tennessee, Texas, and Virginia

<u>National forests</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface^d</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>Alabama</u>					
William B. Bankhead	181,000	181,000	532,000	117,000	0
Conecuh	83,000	83,000	see Bankhead	see Bankhead	see Bankhead
Talladega	374,000	374,000	see Bankhead	see Bankhead	see Bankhead
Tuskegee	11,000	11,000	see Bankhead	see Bankhead	see Bankhead
<u>Arkansas</u>					
Ouachita	1,592,000	1,592,000	1,481,000	80,000	32,000
Ozark	1,120,000	1,120,000	1,061,000	80,000	0
St. Francis	21,000	21,000	see Ozark	see Ozark	see Ozark
<u>Florida</u>					
Apalachicola	559,000	559,000	503,000	45,000	11,000
Choctawhatchee	1,000	1,000	1,000	^e	0
Ocala	382,000	382,000	344,000	34,000	4,000
Osceola	158,000	158,000	134,000	19,000	5,000
<u>Georgia</u>					
Chattahoochee	748,000	748,000	814,000	0	43,000
Oconee	109,000	109,000	see Chatt.	see Chatt.	see Chatt.
<u>Kentucky</u>					
Daniel Boone	666,000	666,000	393,000	53,000	220,000
<u>Louisiana</u>					
Kisatchie	600,000	600,000	480,000	12,000	108,000
<u>Mississippi</u>					
Bienville	179,000	179,000	1,102,000	11,000	34,000
Delta	60,000	60,000	see Bien.	see Bien.	see Bien.
De Soto	501,000	501,000	see Bien.	see Bien.	see Bien.
Holly Springs	152,000	152,000	see Bien.	see Bien.	see Bien.
Homochitto	189,000	189,000	see Bien.	see Bien.	see Bien.
Tombigbee	67,000	67,000	see Bien.	see Bien.	see Bien.

Number of Wells^C

<u>Number of leases</u>	<u>Acres leased</u>	<u>Exploratory</u>	<u>Developmental</u>	<u>Producing</u>	<u>Capable of production</u>	<u>Other</u>	<u>Pending and approved abandonments</u>
137	167,518	0	0	0	0	0	2
see Bankhead	see Bankhead	0	0	0	0	0	0
see Bankhead	see Bankhead	0	0	0	0	0	0
see Bankhead	see Bankhead	0	0	0	0	0	0
365	396,386	0	0	0	0	0	1
435	369,385	0	0	53	0	0	0
see Ozark	see Ozark	0	0	0	0	0	0
46	129,351	0	0	0	0	0	0
see Apalach.	see Apalach.	0	0	0	0	0	0
see Apalach.	see Apalach.	0	0	0	0	0	0
see Apalach.	see Apalach.	0	0	0	0	0	0
40	80,160	0	0	0	0	0	0
see Chatt.	see Chatt.	0	0	0	0	0	0
93	53,868	0	0	17	0	0	0
231	195,826	0	0	18	0	0	0
1,002	610,093	0	0	202	0	0	0
see Bien.	see Bien.	0	0	0	0	0	0
see Bien.	see Bien.	0	0	0	0	0	0
see Bien.	see Bien.	0	0	0	0	0	0
see Bien.	see Bien.	0	0	0	0	0	0
see Bien.	see Bien.	0	0	0	0	0	0

	<u>Acreage^a</u>		<u>Acreage Open/Closed to Leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface^d</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>National forests</u>					
<u>North Carolina</u>					
Croatan	157,000	157,000	104,000	41,000	59,000
Nantahala	517,000	517,000	578,000	91,000	345,000
Pisgah	497,000	497,000	see Nant.	see Nant.	see Nant.
Uwharrie	47,000	47,000	see Croatan	see Croatan	see Croatan
<u>Puerto Rico</u>					
Caribbean	28,000	28,000	28,000	0	0
<u>South Carolina</u>					
Francis Marion	250,000	250,000	210,000	10,000	30,000
Sumter	355,000	355,000	327,000	11,000	18,000
<u>Tennessee</u>					
Cherokee	626,000	626,000	419,000	38,000	169,000
<u>Texas</u>					
Angelina	153,000	153,000	584,000	51,000	0
Davy Crockett	163,000	163,000	see Angel.	see Angel.	see Angel.
Sabine	158,000	158,000	see Angel.	see Angel.	see Angel.
Sam Houston	161,000	161,000	see Angel.	see Angel.	see Angel.
<u>Virginia</u>					
George Washington	1,057,000	1,057,000	920,000	42,000	95,000
Jefferson	702,000	702,000	625,000	63,000	14,000
Total	<u>12,624,000</u>	<u>12,624,000</u>	<u>10,640,000</u>	<u>798,000</u>	<u>1,187,000</u>

Number of leases	Acres leased	Number of Wells ^c					Pending and approved abandonments
		Exploratory	Developmental	Producing	Capable of production	Other	
19	23,891	0	0	0	0	0	0
see Croatan	see Croatan	0	0	0	0	0	0
see Croatan	see Croatan	0	0	0	0	0	0
see Croatan	see Croatan	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
11	20,642	0	0	0	0	0	0
266	186,555	0	0	0	0	1	0
see Angel.	see Angel.	0	34	27	5	0	0
see Angel.	see Angel.	2	5	6	4	1	0
see Angel.	see Angel.	0	0	1	0	0	0
122	246,399	0	0	0	0	0	0
<u>46</u>	<u>47,883</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>2,813</u>	<u>2,527,957</u>	<u>2</u>	<u>39</u>	<u>324</u>	<u>9</u>	<u>2</u>	<u>3</u>

^aAll acreage figures except "acres leased" column rounded to the nearest thousand. The figures provided are the best estimates the Forest Service has available.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" are based on land use plan decisions.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

^dFigures indicate subsurface mineral estate the Forest Service owns or plans to acquire over the next 5 years. A small percentage of the subsurface mineral estate acreage will remain in private ownership.

^eLess than 500 acres.

Table 3.8: Region 9--Illinois, Ohio, Indiana, Michigan, Minnesota, New Hampshire and Maine, New York, Pennsylvania, Vermont, West Virginia and Wisconsin

<u>National forests</u>	<u>Acreage^a</u>		<u>Acreage Open/Closed to Leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>Illinois</u>					
Shawnee	255,000	74,000	58,000	0	16,000
<u>Ohio</u>					
Wayne	179,000	162,000	162,000	0	0
<u>Indiana</u>					
Hoosier	188,000	14,000	12,000	2,000	0
<u>Michigan</u>					
Hiawatha	881,000	606,000	539,000	24,000	42,000
Huron	432,000	224,000	387,000	4,000	4,000
Manistee	532,000	171,000	see Huron	see Huron	see Huron
Ottawa	953,000	844,000	844,000	0	0
<u>Minnesota</u>					
Chippewa	662,000	299,000	281,000	0	18,000
Superior	2,056,000	1,105,000	530,000	575,000	0
<u>Montana</u>					
Mark Twain	1,457,000	85,000	77,000	3,000	4,000
<u>New Hampshire/Maine</u>					
White Mountain	734,000	13,000	8,000	2,000	3,000
<u>New York</u>					
Finger Lakes	13,000	0	0	0	0
<u>Pennsylvania</u>					
Allegheny	510,000	482,000	323,000	159,000	0
<u>Vermont</u>					
Green Mountain	325,000	36,000	15,000	7,000	14,000

<u>Number of leases</u>	<u>Acres leased</u>	<u>Number of Wells^C</u>					<u>Pending and approved abandonments</u>
		<u>Exploratory</u>	<u>Developmental</u>	<u>Producing</u>	<u>Capable of production</u>	<u>Other</u>	
0	0	0	0	0	0	0	0
101	25,677	0	0	12	12	0	0
0	0	0	0	0	0	0	0
31	94,124	0	0	0	0	0	0
580	477,619	10	5	24	5	1	0
see Huron	see Huron	see Huron	0	0	0	0	0
2	2,146	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	1	0	0	0	5	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
6	2,997	0	0	33	0	0	0
0	0	0	0	0	0	0	0

<u>National forests</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>West Virginia</u>					
Monongahela	878,000	377,000	324,000	53,000	0
<u>Wisconsin</u>					
Chequamegon	850,000	290,000	278,000	6,000	6,000
Nicolet	658,000	268,000	255,000	13,000	0
Total	<u>11,563,000</u>	<u>5,050,000</u>	<u>4,093,000</u>	<u>848,000</u>	<u>107,000</u>

Table 3.9: Region 10--Alaska

<u>National forests</u>	<u>Acreage^a</u>		<u>Acreage open/closed to leasing^{ab}</u>		
	<u>Surface</u>	<u>Subsurface</u>	<u>Open to leasing</u>	<u>Nondiscretionary closures</u>	<u>Discretionary closures</u>
<u>Alaska</u>					
Chugach	5,977,000	5,977,000	4,244,000	1,733,000	0
Tongass	16,773,000	16,773,000	11,406,000	5,367,000	0
Total	<u>22,750,000</u>	<u>22,750,000</u>	<u>15,650,000</u>	<u>7,100,000</u>	<u>0</u>

<u>Number of leases</u>	<u>Acres leased</u>	<u>Number of Wells^C</u>					<u>Pending and approved abandonments</u>
		<u>Exploratory</u>	<u>Developmental</u>	<u>Producing</u>	<u>Capable of production</u>	<u>Other</u>	
296	343,986	2	1	10	7	0	0
19	51,068	0	0	0	0	2	0
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>1,035</u>	<u>997,617</u>	<u>13</u>	<u>6</u>	<u>79</u>	<u>24</u>	<u>8</u>	<u>0</u>

<u>Number of leases</u>	<u>Acres leased</u>	<u>Number of Wells^C</u>					<u>Pending and approved abandonments</u>
		<u>Exploratory</u>	<u>Developmental</u>	<u>Producing</u>	<u>Capable of production</u>	<u>Other</u>	
0	0	0	0	0	0	0	0
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

^aAll acreage figures except "acres leased" column rounded to the nearest thousand. The figures provided are the best estimates the Forest Service has available.

^b"Acreage open/closed to leasing" is estimated. "Nondiscretionary closures" are areas closed to leasing by law, secretarial decision, or executive order. "Discretionary closures" are based on land use plan decisions.

^cColumns for wells "Producing" or "Capable of Production" include oil and gas wells only. Wells capable of production are currently under suspension. The column for "Other" wells include injection, water supply, and oil and gas storage agreement wells. Well data for "Exploratory," "Developmental," and "Pending and Approved Abandonments" are for fiscal years 1986-88.

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