

**Table 11: Proved reserves, reserves changes, and production of nonassociated natural gas, wet after lease separation, 2019**

billion cubic feet

State and Subdivision	Changes in Reserves During 2019								Proved Reserves 12/31/19
	Published Proved Reserves 12/31/18	Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions & Discoveries (+)	Estimated Production (-)	
Alaska	1,628	-200	75	115	0	0	60	72	1,376
<b>Lower 48 States</b>	<b>383,227</b>	<b>-6,120</b>	<b>39,215</b>	<b>69,240</b>	<b>12,097</b>	<b>25,059</b>	<b>38,815</b>	<b>27,180</b>	<b>371,679</b>
Alabama	1,204	-21	68	57	313	545	1	111	1,316
Arkansas	6,691	30	78	552	195	262	0	530	5,784
<b>California</b>	<b>129</b>	<b>-3</b>	<b>57</b>	<b>35</b>	<b>1</b>	<b>0</b>	<b>37</b>	<b>19</b>	<b>165</b>
Coastal Region Onshore	0	0	0	0	0	0	0	0	0
Los Angeles Basin Onshore	0	0	0	0	0	0	0	0	0
San Joaquin Basin Onshore	129	-3	57	35	1	0	37	19	165
State Offshore	0	0	0	0	0	0	0	0	0
Colorado	14,551	-588	1,776	2,351	64	143	598	979	13,086
Kansas	2,278	-20	25	89	750	762	1	151	2,056
Kentucky	1,388	-9	81	55	0	20	0	63	1,362
<b>Louisiana</b>	<b>32,985</b>	<b>-2,194</b>	<b>9,746</b>	<b>10,304</b>	<b>1,612</b>	<b>7,188</b>	<b>2,842</b>	<b>3,113</b>	<b>35,538</b>
North	31,525	-2,258	9,703	10,054	1,575	7,083	2,800	2,953	34,271
South Onshore	1,247	-81	40	169	37	105	42	127	1,020
State Offshore	213	145	3	81	0	0	0	33	247
Michigan	1,469	-89	29	94	356	278	0	78	1,159
Mississippi	254	-29	0	23	2	16	0	20	196
Montana	352	11	0	37	1	3	0	24	304
Nebraska	3	-1	0	0	0	0	0	0	2
<b>New Mexico</b>	<b>12,548</b>	<b>-1,196</b>	<b>450</b>	<b>1,502</b>	<b>157</b>	<b>63</b>	<b>1,132</b>	<b>843</b>	<b>10,495</b>
East	2,552	-186	190	799	23	63	331	321	1,807
West	9,996	-1,010	260	703	134	0	801	522	8,688
New York	98	12	11	33	0	0	0	11	77
North Dakota	23	11	2	1	0	0	0	4	31
Ohio	23,942	-839	7,911	4,031	16	8,183	1,681	2,576	34,255
Oklahoma	27,650	-859	8,143	11,048	2,770	2,530	2,389	2,126	23,909
Pennsylvania	104,794	75	4,718	9,018	604	431	13,822	6,950	107,268
<b>Texas</b>	<b>86,077</b>	<b>-454</b>	<b>2,999</b>	<b>18,046</b>	<b>3,377</b>	<b>2,867</b>	<b>7,054</b>	<b>5,640</b>	<b>71,480</b>
RRC District 1	6,141	40	17	1,687	69	247	195	321	4,563
RRC District 2 Onshore	2,989	182	25	397	805	478	325	396	2,401
RRC District 3 Onshore	1,729	19	54	398	323	150	303	221	1,313
RRC District 4 Onshore	18,707	-236	116	2,525	193	119	1,465	1,052	16,401
RRC District 5	9,979	91	68	1,017	289	581	166	797	8,782
RRC District 6	24,333	-840	2,208	7,327	355	1,147	3,134	1,273	21,027
RRC District 7B	1,832	41	15	251	296	0	0	105	1,236
RRC District 7C	1,173	251	36	373	8	1	0	100	980
RRC District 8	5,964	-2	154	1,674	46	66	1,025	707	4,780
RRC District 8A	22	4	0	3	0	0	0	3	20
RRC District 9	6,947	28	137	525	696	75	25	343	5,648
RRC District 10	6,228	-32	169	1,868	295	3	416	319	4,302
State Offshore	33	0	0	1	2	0	0	3	27
Utah	2,536	171	49	689	1,122	1,034	0	198	1,781
Virginia	2,554	30	22	216	2	1	11	102	2,298
West Virginia	38,431	-14	2,276	7,495	380	435	8,979	2,132	40,100
Wyoming	21,023	-191	623	3,365	33	43	133	1,196	17,037
<b>Federal Offshore</b>	<b>2,174</b>	<b>53</b>	<b>148</b>	<b>184</b>	<b>323</b>	<b>252</b>	<b>135</b>	<b>310</b>	<b>1,945</b>
Pacific (California)	0	0	0	0	0	0	0	0	0
Gulf of Mexico (Central & Eastern) <sup>a</sup>	2,011	20	122	166	317	226	135	251	1,780
Gulf of Mexico (Western)	163	33	26	18	6	26	0	59	165
Other states <sup>b</sup>	1,487	-1,420	3	15	19	3	0	4	35
<b>U.S. Total</b>	<b>384,855</b>	<b>-6,320</b>	<b>39,290</b>	<b>69,355</b>	<b>12,097</b>	<b>25,059</b>	<b>38,875</b>	<b>27,252</b>	<b>373,055</b>

<sup>a</sup> Includes Federal offshore Louisiana, Mississippi, Alabama, and Florida.

<sup>b</sup> Other states include Arizona, Florida, Idaho, Illinois, Indiana, Maryland, Missouri, Nevada, Oregon, South Dakota, and Tennessee. Individual state volumes are withheld to avoid disclosure of operator-level reserves data, or because of other statistical precision or data quality reasons.

Note: The production estimates in this table are based on data reported on Form EIA-23L, *Annual Report of Domestic Oil and Gas Reserves*. They may differ slightly from the official U.S. EIA production data for nonassociated natural gas for 2019 contained in the *Natural Gas Annual 2019*, DOE/EIA-0131(19).

[EIA Natural Gas Data](#)

Natural gas is measured at 60 degrees Fahrenheit and at an atmospheric pressure base of 14.73 pounds per square inch (psia).

Source: U.S. Energy Information Administration, Form EIA-23L, *Annual Report of Domestic Oil and Gas Proved Reserves*