

**Table 14: Shale natural gas proved reserves, reserves changes, and production, 2017**

billion cubic feet

State and subdivision	Published proved reserves 12/31/16	Changes in reserves during 2017							Estimated production (-)	Proved reserves 12/31/17
		Adjustments (+,-)	Revision increases (+)	Revision decreases (-)	Sales (-)	Acquisitions (+)	Extensions & discoveries (+)			
Alaska	0	0	0	0	0	0	0	0	0	
<b>Lower 48 States</b>	<b>209,809</b>	<b>10,494</b>	<b>46,655</b>	<b>18,329</b>	<b>10,947</b>	<b>28,040</b>	<b>60,770</b>	<b>18,589</b>	<b>307,903</b>	
Arkansas	6,262	-8	724	106	0	0	836	618	7,090	
<b>California</b>	<b>41</b>	<b>-25</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>62</b>	
Coastal Region Onshore	0	0	0	0	0	0	0	0	0	
San Joaquin Basin Onshore	41	-25	52	0	0	0	0	6	62	
State Offshore	0	0	0	0	0	0	0	0	0	
Colorado	2,032	-409	190	86	226	221	260	97	1,885	
Indiana	M	M	M	M	M	M	M	M	M	
Kansas	0	0	0	0	0	0	0	0	0	
Kentucky	12	-12	M	M	M	M	M	M	M	
Louisiana	9,637	7,227	5,831	2,040	308	2,931	4,656	1,450	26,484	
North	9,570	7,290	5,634	2,040	308	2,931	4,653	1,414	26,316	
South	67	-63	197	0	0	0	3	36	168	
Michigan	1,128	-158	21	40	0	54	0	63	942	
Mississippi	7	2	4	1	2	0	0	2	8	
Missouri	M	M	M	M	M	M	M	M	M	
Montana	213	3	58	1	0	0	3	18	258	
<b>New Mexico</b>	<b>5,581</b>	<b>211</b>	<b>920</b>	<b>418</b>	<b>225</b>	<b>2,400</b>	<b>1,574</b>	<b>592</b>	<b>9,451</b>	
East	5,510	216	914	417	169	2,301	1,572	588	9,339	
West	71	-5	6	1	56	99	2	4	112	
New York	M	M	M	M	M	M	M	M	M	
North Dakota	8,259	-118	1,638	315	231	1	1,414	664	9,984	
Ohio	15,472	103	7,507	1,898	1,283	2,919	5,395	1,747	26,468	
Oklahoma	20,327	1,215	1,265	2,499	278	1,277	2,658	1,290	22,675	
Pennsylvania	60,979	-196	12,967	2,893	5,488	8,080	21,394	5,365	89,478	
South Dakota	M	M	M	M	M	M	M	M	M	
Tennessee	M	M	M	M	M	M	M	M	M	
<b>Texas</b>	<b>56,577</b>	<b>2,139</b>	<b>13,453</b>	<b>3,573</b>	<b>1,990</b>	<b>8,104</b>	<b>9,127</b>	<b>5,171</b>	<b>78,666</b>	
RRC District 1	7,493	-77	508	530	947	1,855	1,245	652	8,895	
RRC District 2 Onshore	4,126	132	517	172	21	84	818	584	4,900	
RRC District 3 Onshore	125	47	459	1	55	184	8	23	744	
RRC District 4 Onshore	11,001	-40	1,944	121	162	372	544	677	12,861	
RRC District 5	8,321	-245	492	493	309	3,090	510	730	10,636	
RRC District 6	3,249	2,126	2,962	672	49	1,228	398	333	8,909	
RRC District 7B	1,562	-143	283	24	1	169	0	110	1,736	
RRC District 7C	5,661	166	1,063	883	43	268	1,418	494	7,156	
RRC District 8	7,924	361	4,077	471	314	740	4,115	1,115	15,317	
RRC District 8A	8	3	2	0	0	0	38	1	50	
RRC District 9	7,107	-191	1,146	206	89	114	33	452	7,462	
RRC District 10	0	0	0	0	0	0	0	0	0	
Utah	M	M	M	M	M	M	M	M	M	
Virginia	45	8	17	0	0	0	0	4	66	
West Virginia	23,146	479	1,994	4,458	872	2,053	13,440	1,486	34,296	
Wyoming	17	3	1	0	0	0	13	6	28	
Miscellaneous <sup>a</sup>	74	30	13	1	44	0	0	10	62	
<b>U.S. Total</b>	<b>209,809</b>	<b>10,494</b>	<b>46,655</b>	<b>18,329</b>	<b>10,947</b>	<b>28,040</b>	<b>60,770</b>	<b>18,589</b>	<b>307,903</b>	

<sup>a</sup> M - Miscellaneous states include Indiana, Kentucky, Missouri, New York, South Dakota, Tennessee, and Utah.

Note: The above table is based on shale natural gas proved reserves and production volumes reported and imputed from data on Form EIA-23L, *Annual Report of Domestic Oil and Gas Reserves*. For certain reasons (e.g. incorrect or incomplete respondent submissions, respondent mis-identification of shale vs non-shale reservoirs) the actual proved reserves and production of natural gas from shales may be higher or lower. The production estimates are offered only as an observed indicator of production trends and may differ from official U.S. EIA production volumes listed elsewhere on the EIA web page.

Natural gas is measured at 60 degrees Fahrenheit and 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*.