

Table 14. Shale natural gas proved reserves, reserves changes, and production, wet after lease separation, 2010

billion cubic feet at 14.73 psia and 60 degrees Fahrenheit

State and Subdivision	Changes in Reserves During 2010										Proved Reserves 12/31/10	
	Published Proved Reserves 12/31/09	Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)		
Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Lower 48 States	60,644	7,579	10,661	9,491	1,685	4,290	29,081	557	1,149	5,336	97,449	
Alabama	0	0	0	0	0	0	0	0	0	0	0	
Arkansas	9,070	63	861	126	336	774	3,014	0	0	794	12,526	
California	0	0	0	0	0	0	0	0	0	0	0	
Colorado	4	-1	1	2	0	0	3	0	0	1	4	
Florida	0	0	0	0	0	0	0	0	0	0	0	
Kansas	0	0	0	0	0	0	0	0	0	0	0	
Kentucky	55	-1	3	43	0	0	0	0	0	4	10	
Louisiana	9,307	2,347	1,856	1,878	11	115	9,346	48	172	1,232	20,070	
North Onshore	9,307	2,347	1,856	1,878	11	115	9,346	48	172	1,232	20,070	
South Onshore	0	0	0	0	0	0	0	0	0	0	0	
State Offshore	0	0	0	0	0	0	0	0	0	0	0	
Michigan	2,499	305	165	325	553	333	0	2	0	120	2,306	
Mississippi	0	0	0	0	0	0	0	0	0	0	0	
Montana	137	40	14	16	1	0	25	0	0	13	186	
New Mexico	36	3	1	11	0	0	100	0	0	6	123	
East	7	3	1	2	0	0	29	0	0	3	35	
West	29	0	0	9	0	0	71	0	0	3	88	
New York	0	0	0	0	0	0	0	0	0	0	0	
North Dakota	368	235	528	343	28	87	393	8	1	64	1,185	
Ohio	0	0	0	0	0	0	0	0	0	0	0	
Oklahoma	6,389	713	1,352	2,117	0	1,302	2,380	54	0	403	9,670	
Pennsylvania	3,790	235	1,994	1,583	163	757	5,154	49	871	396	10,708	
Texas	28,167	2,940	3,580	2,425	580	594	7,558	396	36	2,218	38,048	
RRC District 1	435	8	322	251	409	401	971	114	14	41	1,564	
RRC District 2 Onshore	0	6	6	5	0	2	109	282	2	7	395	
RRC District 3 Onshore	0	0	0	0	0	0	0	0	0	0	0	
RRC District 4 Onshore	78	0	66	12	0	0	459	0	0	26	565	
RRC District 5	13,691	105	643	405	0	6	3,045	0	0	1,053	16,032	
RRC District 6	1,161	1,968	1,206	1,319	88	150	1,520	0	2	219	4,381	
RRC District 7B	2,022	267	273	242	0	0	255	0	0	140	2,435	
RRC District 7C	0	0	0	0	0	3	0	0	10	0	13	
RRC District 8	24	53	20	0	0	0	0	0	0	7	90	
RRC District 8A	0	0	0	0	0	0	0	0	0	0	0	
RRC District 9	10,756	533	1,044	191	83	32	1,199	0	8	725	12,573	
RRC District 10	0	0	0	0	0	0	0	0	0	0	0	
State Offshore	0	0	0	0	0	0	0	0	0	0	0	
Utah	0	0	0	0	0	0	0	0	0	0	0	
Virginia	0	0	0	0	0	0	0	0	0	0	0	
West Virginia	688	701	289	543	2	324	1,045	0	69	80	2,491	
Wyoming	0	-1	0	2	0	4	0	0	0	0	1	
Federal Offshore	0	0	0	0	0	0	0	0	0	0	0	
Miscellaneous ^a	134	0	17	77	11	0	63	0	0	5	121	
U.S. Total	60,644	7,579	10,661	9,491	1,685	4,290	29,081	557	1,149	5,336	97,449	

^a Includes Indiana, Missouri, and Tennessee.

Note: The above table is based on shale natural gas proved reserves and production volumes reported and imputed from data on Form EIA-23 "Annual Survey 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 EIA production volumes listed elsewhere on the EIA web page.

Source: U.S. Energy Information Administration, Form EIA-23