

**Table 10a. Drilling Productivity Metrics**  
 U.S. Energy Information Administration | Short-Term Energy Outlook - August 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
<b>Active rigs</b>															
Appalachia region	51	50	43	40	42	39	-	-	-	-	-	-	46	-	-
Bakken region	41	37	34	33	34	34	-	-	-	-	-	-	36	-	-
Eagle Ford region	78	67	55	55	57	56	-	-	-	-	-	-	64	-	-
Haynesville region	72	63	49	46	43	36	-	-	-	-	-	-	58	-	-
Permian region	352	349	326	311	312	313	-	-	-	-	-	-	334	-	-
Rest of Lower 48 States, excluding GOM	141	127	112	108	104	96	-	-	-	-	-	-	122	-	-
<b>New wells drilled</b>															
Appalachia region	292	284	247	226	239	222	-	-	-	-	-	-	1,049	-	-
Bakken region	240	223	202	200	206	207	-	-	-	-	-	-	865	-	-
Eagle Ford region	353	307	269	273	286	285	-	-	-	-	-	-	1,202	-	-
Haynesville region	221	192	148	133	124	103	-	-	-	-	-	-	694	-	-
Permian region	1,418	1,412	1,356	1,314	1,321	1,324	-	-	-	-	-	-	5,500	-	-
Rest of Lower 48 States, excluding GOM	815	766	719	661	602	551	-	-	-	-	-	-	2,961	-	-
<b>New wells drilled per rig</b>															
Appalachia region	5.7	5.7	5.7	5.7	5.6	5.7	-	-	-	-	-	-	22.8	-	-
Bakken region	5.9	6.0	6.0	6.1	6.1	6.1	-	-	-	-	-	-	23.9	-	-
Eagle Ford region	4.5	4.6	4.9	5.0	5.0	5.1	-	-	-	-	-	-	19.0	-	-
Haynesville region	3.1	3.0	3.0	2.9	2.9	2.9	-	-	-	-	-	-	12.0	-	-
Permian region	4.0	4.0	4.2	4.2	4.2	4.2	-	-	-	-	-	-	16.5	-	-
Rest of Lower 48 States, excluding GOM	5.8	6.1	6.4	6.1	5.8	5.7	-	-	-	-	-	-	24.4	-	-
<b>New wells completed</b>															
Appalachia region	258	241	236	245	263	231	-	-	-	-	-	-	980	-	-
Bakken region	258	310	310	225	191	241	-	-	-	-	-	-	1,103	-	-
Eagle Ford region	454	403	368	301	364	301	-	-	-	-	-	-	1,526	-	-
Haynesville region	168	121	121	139	113	110	-	-	-	-	-	-	549	-	-
Permian region	1,459	1,343	1,352	1,399	1,352	1,339	-	-	-	-	-	-	5,553	-	-
Rest of Lower 48 States, excluding GOM	694	768	735	748	628	596	-	-	-	-	-	-	2,945	-	-
<b>Cumulative drilled but uncompleted wells</b>															
Appalachia region	785	828	839	820	796	787	-	-	-	-	-	-	820	-	-
Bakken region	584	497	389	364	379	345	-	-	-	-	-	-	364	-	-
Eagle Ford region	638	542	443	415	337	321	-	-	-	-	-	-	415	-	-
Haynesville region	715	786	813	807	818	811	-	-	-	-	-	-	807	-	-
Permian region	929	998	1,002	917	899	895	-	-	-	-	-	-	917	-	-
Rest of Lower 48 States, excluding GOM	2,496	2,494	2,478	2,391	2,365	2,320	-	-	-	-	-	-	2,391	-	-
<b>Crude oil production from newly completed wells, one-year trend (thousand barrels per day) (a) (c)</b>															
Appalachia region	14	14	14	14	12	12	-	-	-	-	-	-	14	-	-
Bakken region	51	59	66	62	56	57	-	-	-	-	-	-	60	-	-
Eagle Ford region	82	89	81	63	62	69	-	-	-	-	-	-	79	-	-
Haynesville region	1	0	0	0	0	0	-	-	-	-	-	-	0	-	-
Permian region	436	434	443	438	429	430	-	-	-	-	-	-	438	-	-
Rest of Lower 48 States, excluding GOM	78	82	86	87	87	86	-	-	-	-	-	-	83	-	-
<b>Crude oil production from newly completed wells per rig, one-year trend (thousand barrels per day) (a)</b>															
Appalachia region	0.3	0.3	0.3	0.3	0.3	0.3	-	-	-	-	-	-	0.3	-	-
Bakken region	1.2	1.5	1.8	1.9	1.7	1.7	-	-	-	-	-	-	1.6	-	-
Eagle Ford region	1.1	1.2	1.3	1.2	1.1	1.2	-	-	-	-	-	-	1.2	-	-
Haynesville region	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	0.0	-	-
Permian region	1.2	1.2	1.3	1.4	1.4	1.4	-	-	-	-	-	-	1.3	-	-
Rest of Lower 48 States, excluding GOM	0.5	0.6	0.7	0.8	0.8	0.8	-	-	-	-	-	-	0.7	-	-
<b>Existing crude oil production change, one-year trend (thousand barrels per day) (a) (c)</b>															
Appalachia region	-9.2	-12.0	-14.3	-14.4	-13.2	-12.6	-	-	-	-	-	-	-12.5	-	-
Bakken region	-41.4	-37.2	-48.6	-58.6	-57.1	-49.7	-	-	-	-	-	-	-46.5	-	-
Eagle Ford region	-73.5	-80.6	-87.5	-80.5	-72.5	-73.1	-	-	-	-	-	-	-80.5	-	-
Haynesville region	-0.8	-0.9	-0.7	-0.5	-0.6	-0.7	-	-	-	-	-	-	-0.7	-	-
Permian region	-410.1	-412.7	-404.7	-389.5	-392.0	-394.8	-	-	-	-	-	-	-404.2	-	-
Rest of Lower 48 States, excluding GOM	-71.2	-69.0	-77.3	-82.8	-87.5	-87.5	-	-	-	-	-	-	-75.1	-	-
<b>Natural gas production from newly completed wells, one-year trend (million cubic feet per day) (a) (d)</b>															
Appalachia region	1,278.9	1,274.1	1,323.2	1,320.6	1,255.3	1,217.7	-	-	-	-	-	-	1,299.4	-	-
Bakken region	59.7	68.2	73.9	69.1	62.8	64.1	-	-	-	-	-	-	67.8	-	-
Eagle Ford region	387.8	337.6	327.7	323.0	301.7	294.9	-	-	-	-	-	-	343.8	-	-
Haynesville region	995.5	922.6	761.7	597.2	518.0	540.1	-	-	-	-	-	-	818.0	-	-
Permian region	833.2	829.5	835.3	817.5	781.9	777.5	-	-	-	-	-	-	828.8	-	-
Rest of Lower 48 States, excluding GOM	382.6	357.6	390.2	392.6	346.3	322.8	-	-	-	-	-	-	380.8	-	-
<b>Natural gas production from newly completed wells per rig, one-year trend (million cubic feet per day) (a) (d)</b>															
Appalachia region	24.6	24.8	27.2	32.5	30.9	28.8	-	-	-	-	-	-	27.3	-	-
Bakken region	1.5	1.7	2.1	2.1	1.9	1.9	-	-	-	-	-	-	1.8	-	-
Eagle Ford region	5.1	4.4	5.3	5.9	5.4	5.1	-	-	-	-	-	-	5.2	-	-
Haynesville region	13.7	12.9	13.4	12.6	11.3	13.7	-	-	-	-	-	-	13.1	-	-
Permian region	2.4	2.4	2.4	2.6	2.5	2.5	-	-	-	-	-	-	2.4	-	-
Rest of Lower 48 States, excluding GOM	2.4	2.6	3.2	3.6	3.2	3.2	-	-	-	-	-	-	3.0	-	-
<b>Existing natural gas production change, one-year trend (million cubic feet per day) (a) (c) (d)</b>															
Appalachia region	-1,172.8	-1,156.4	-1,233.9	-1,279.0	-1,222.7	-1,251.8	-	-	-	-	-	-	-1,210.9	-	-
Bakken region	-51.5	-22.8	-44.8	-71.2	-64.4	-45.7	-	-	-	-	-	-	-47.6	-	-
Eagle Ford region	-309.7	-286.7	-310.7	-319.2	-326.5	-319.5	-	-	-	-	-	-	-306.6	-	-
Haynesville region	-912.8	-913.6	-853.3	-786.1	-806.6	-854.7	-	-	-	-	-	-	-861.0	-	-
Permian region	-644.3	-617.1	-629.5	-587.4	-599.3	-611.1	-	-	-	-	-	-	-619.4	-	-
Rest of Lower 48 States, excluding GOM	-537.6	-412.3	-396.4	-369.1	-442.0	-445.0	-	-	-	-	-	-	-413.2	-	-

(a) The Production From Newly Completed Wells and the Existing Production Change data series are reported as smoothed monthly data over a twelve-month period. The smoothing is done using the Locally Weighted Scatterplot Smoothing (LOWESS) function. LOWESS calculates a locally weighted average for each point, giving more weight to nearby monthly data and less weights to distant data. The smoothed data may change each month according to updated data.

(b) The most recent six months of well-level data is incomplete due to known lags in reporting. For these months, the values are imputed based on historical reporting patterns and other relevant factors.

(c) The sum of "Production from Newly Completed Wells" and "Existing Production Change" may not equal the month-over-month crude oil or natural gas production changes reported in tables 4a and 5a, respectively. This discrepancy arises from the statistical smoothing techniques applied to aggregated basin level data, variations in data imputation methodologies, and utilizing different data sources.

(d) Natural gas production in this table is marketed natural gas production.

**Notes:**

EIA completed modeling and analysis for this report on August 1, 2024.

-- no data available

The approximate break between historical and forecast values is shown with historical data with no shading; estimates and forecasts are shaded gray.

Minor discrepancies with published historical data are due to independent rounding.

**Sources:**

Historical data: Latest data available from Baker Hughes, Energen, FracFocus.org.