

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

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Active rigs															
Appalachia region	51	50	43	40	42	-	-	-	-	-	-	-	46	-	-
Bakken region	41	37	34	33	34	-	-	-	-	-	-	-	36	-	-
Eagle Ford region	78	67	55	55	57	-	-	-	-	-	-	-	64	-	-
Haynesville region	72	63	49	46	43	-	-	-	-	-	-	-	58	-	-
Permian region	352	349	326	311	312	-	-	-	-	-	-	-	334	-	-
Rest of Lower 48 States, excluding GOM	141	127	112	108	104	-	-	-	-	-	-	-	122	-	-
New wells drilled															
Appalachia region	293	286	249	226	241	-	-	-	-	-	-	-	1,054	-	-
Bakken region	240	223	202	200	206	-	-	-	-	-	-	-	865	-	-
Eagle Ford region	353	307	269	273	286	-	-	-	-	-	-	-	1,202	-	-
Haynesville region	221	192	148	133	124	-	-	-	-	-	-	-	694	-	-
Permian region	1,418	1,412	1,356	1,314	1,321	-	-	-	-	-	-	-	5,500	-	-
Rest of Lower 48 States, excluding GOM	816	767	722	662	606	-	-	-	-	-	-	-	2,967	-	-
New wells drilled per rig															
Appalachia region	5.7	5.7	5.7	5.7	5.7	-	-	-	-	-	-	-	22.9	-	-
Bakken region	5.9	6.0	6.0	6.1	6.1	-	-	-	-	-	-	-	23.9	-	-
Eagle Ford region	4.5	4.6	4.9	5.0	5.0	-	-	-	-	-	-	-	19.0	-	-
Haynesville region	3.1	3.0	3.0	2.9	2.9	-	-	-	-	-	-	-	12.0	-	-
Permian region	4.0	4.0	4.2	4.2	4.2	-	-	-	-	-	-	-	16.5	-	-
Rest of Lower 48 States, excluding GOM	5.8	6.1	6.5	6.2	5.8	-	-	-	-	-	-	-	24.4	-	-
New wells completed															
Appalachia region	258	248	277	252	249	-	-	-	-	-	-	-	1,035	-	-
Bakken region	258	312	320	258	200	-	-	-	-	-	-	-	1,148	-	-
Eagle Ford region	454	406	372	307	344	-	-	-	-	-	-	-	1,539	-	-
Haynesville region	168	125	146	147	113	-	-	-	-	-	-	-	586	-	-
Permian region	1,459	1,347	1,381	1,401	1,321	-	-	-	-	-	-	-	5,588	-	-
Rest of Lower 48 States, excluding GOM	694	771	814	758	619	-	-	-	-	-	-	-	3,037	-	-
Cumulative drilled but uncompleted wells															
Appalachia region	830	868	840	814	806	-	-	-	-	-	-	-	814	-	-
Bakken region	584	495	377	319	325	-	-	-	-	-	-	-	319	-	-
Eagle Ford region	638	539	436	402	344	-	-	-	-	-	-	-	402	-	-
Haynesville region	716	783	785	771	782	-	-	-	-	-	-	-	771	-	-
Permian region	927	992	967	880	880	-	-	-	-	-	-	-	880	-	-
Rest of Lower 48 States, excluding GOM	2,573	2,569	2,477	2,381	2,368	-	-	-	-	-	-	-	2,381	-	-
Crude oil production from newly completed wells, one-year trend (thousand barrels per day) (a) (c)															
Appalachia region	14	14	14	13	12	-	-	-	-	-	-	-	14	-	-
Bakken region	51	56	60	60	60	-	-	-	-	-	-	-	57	-	-
Eagle Ford region	83	89	80	65	67	-	-	-	-	-	-	-	79	-	-
Haynesville region	0	0	0	0	0	-	-	-	-	-	-	-	0	-	-
Permian region	437	435	442	438	434	-	-	-	-	-	-	-	438	-	-
Rest of Lower 48 States, excluding GOM	78	81	85	82	79	-	-	-	-	-	-	-	82	-	-
Crude oil production from newly completed wells per rig, one-year trend (thousand barrels per day) (a)															
Appalachia region	0.3	0.3	0.3	0.3	0.3	-	-	-	-	-	-	-	0.3	-	-
Bakken region	1.2	1.4	1.7	1.8	1.8	-	-	-	-	-	-	-	1.5	-	-
Eagle Ford region	1.1	1.2	1.3	1.2	1.2	-	-	-	-	-	-	-	1.2	-	-
Haynesville region	0.0	0.0	0.0	0.0	0.0	-	-	-	-	-	-	-	0.0	-	-
Permian region	1.2	1.2	1.3	1.4	1.4	-	-	-	-	-	-	-	1.3	-	-
Rest of Lower 48 States, excluding GOM	0.5	0.6	0.7	0.8	0.7	-	-	-	-	-	-	-	0.6	-	-
Existing crude oil production change, one-year trend (thousand barrels per day) (a) (c)															
Appalachia region	-9.9	-13.2	-13.3	-13.0	-14.2	-	-	-	-	-	-	-	-12.4	-	-
Bakken region	-41.2	-33.4	-40.8	-52.1	-53.5	-	-	-	-	-	-	-	-41.9	-	-
Eagle Ford region	-74.3	-81.2	-86.6	-83.3	-81.2	-	-	-	-	-	-	-	-81.4	-	-
Haynesville region	-0.7	-0.9	-0.7	-0.5	-0.7	-	-	-	-	-	-	-	-0.7	-	-
Permian region	-410.6	-412.0	-398.2	-389.6	-397.1	-	-	-	-	-	-	-	-402.6	-	-
Rest of Lower 48 States, excluding GOM	-72.7	-67.8	-79.0	-84.1	-84.0	-	-	-	-	-	-	-	-75.9	-	-
Natural gas production from newly completed wells, one-year trend (million cubic feet per day) (a) (d)															
Appalachia region	1,320.0	1,352.7	1,435.4	1,422.1	1,388.1	-	-	-	-	-	-	-	1,383.0	-	-
Bakken region	59.3	63.1	63.8	67.2	73.4	-	-	-	-	-	-	-	63.4	-	-
Eagle Ford region	390.3	338.5	331.0	332.0	328.5	-	-	-	-	-	-	-	347.7	-	-
Haynesville region	994.1	920.4	755.4	600.7	541.1	-	-	-	-	-	-	-	816.4	-	-
Permian region	835.0	828.8	832.8	839.9	846.7	-	-	-	-	-	-	-	834.1	-	-
Rest of Lower 48 States, excluding GOM	385.2	359.6	422.8	466.0	435.9	-	-	-	-	-	-	-	408.7	-	-
Natural gas production from newly completed wells per rig, one-year trend (million cubic feet per day) (a) (d)															
Appalachia region	25.3	26.4	29.5	35.1	34.3	-	-	-	-	-	-	-	29.1	-	-
Bakken region	1.5	1.6	1.8	2.0	2.2	-	-	-	-	-	-	-	1.7	-	-
Eagle Ford region	5.1	4.4	5.4	6.1	5.9	-	-	-	-	-	-	-	5.3	-	-
Haynesville region	13.7	12.8	13.3	12.6	11.8	-	-	-	-	-	-	-	13.1	-	-
Permian region	2.4	2.4	2.4	2.6	2.7	-	-	-	-	-	-	-	2.5	-	-
Rest of Lower 48 States, excluding GOM	2.5	2.7	3.5	4.3	4.1	-	-	-	-	-	-	-	3.2	-	-
Existing natural gas production change, one-year trend (million cubic feet per day) (a) (c) (d)															
Appalachia region	-1,193.7	-1,209.8	-1,275.9	-1,306.8	-1,324.5	-	-	-	-	-	-	-	-1,247.0	-	-
Bakken region	-49.6	-52.7	-82.2	-78.2	-67.2	-	-	-	-	-	-	-	-65.8	-	-
Eagle Ford region	-312.9	-285.7	-308.9	-319.0	-313.0	-	-	-	-	-	-	-	-306.7	-	-
Haynesville region	-912.5	-912.3	-847.2	-772.4	-737.9	-	-	-	-	-	-	-	-860.6	-	-
Permian region	-650.5	-604.3	-607.6	-606.2	-644.1	-	-	-	-	-	-	-	-617.0	-	-
Rest of Lower 48 States, excluding GOM	-517.7	-371.6	-354.0	-451.2	-481.8	-	-	-	-	-	-	-	-423.3	-	-

(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 June 6, 2024.

-- no data available

The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

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

Sources:

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