

Table A14. Oil and gas supply

Production and supply	Reference case							Annual growth 2013-2040 (percent)
	2012	2013	2020	2025	2030	2035	2040	
<b>Crude oil</b>								
<b>Lower 48 average wellhead price<sup>1</sup></b> (2013 dollars per barrel) .....	<b>96</b>	<b>97</b>	<b>75</b>	<b>87</b>	<b>101</b>	<b>117</b>	<b>136</b>	<b>1.3%</b>
<b>Production (million barrels per day)<sup>2</sup></b>								
United States total .....	6.50	7.44	10.60	10.28	10.04	9.38	9.43	0.9%
Lower 48 onshore .....	4.60	5.57	8.03	8.01	7.60	7.07	6.92	0.8%
Tight oil <sup>3</sup> .....	2.19	3.15	5.60	5.31	4.83	4.40	4.29	1.1%
Carbon dioxide enhanced oil recovery .....	0.28	0.28	0.35	0.47	0.58	0.69	0.83	4.1%
Other .....	2.12	2.14	2.08	2.23	2.19	1.98	1.80	-0.6%
Lower 48 offshore .....	1.38	1.36	2.15	1.95	2.21	2.14	2.17	1.7%
State .....	0.07	0.07	0.05	0.04	0.03	0.03	0.02	-3.8%
Federal .....	1.31	1.29	2.10	1.92	2.18	2.11	2.14	1.9%
Alaska .....	0.53	0.52	0.42	0.32	0.24	0.18	0.34	-1.6%
Onshore .....	0.47	0.45	0.30	0.23	0.18	0.14	0.12	-4.9%
State offshore .....	0.06	0.06	0.12	0.09	0.06	0.04	0.02	-3.6%
Federal offshore .....	0.00	0.00	0.00	0.00	0.00	0.00	0.20	15.9%
<b>Lower 48 end of year reserves<sup>2</sup></b> (billion barrels) .....	<b>30.1</b>	<b>29.4</b>	<b>37.4</b>	<b>39.4</b>	<b>42.6</b>	<b>43.4</b>	<b>44.8</b>	<b>1.6%</b>
<b>Natural gas plant liquids production</b> (million barrels per day)								
United States total .....	2.41	2.61	4.04	4.16	4.20	4.13	4.07	1.7%
Lower 48 onshore .....	2.18	2.39	3.82	3.94	3.92	3.87	3.79	1.7%
Lower 48 offshore .....	0.20	0.18	0.19	0.20	0.26	0.25	0.26	1.3%
Alaska .....	0.03	0.03	0.02	0.02	0.01	0.01	0.02	-1.4%
<b>Natural gas</b>								
<b>Natural gas spot price at Henry Hub</b> (2013 dollars per million Btu) .....	<b>2.79</b>	<b>3.73</b>	<b>4.88</b>	<b>5.46</b>	<b>5.69</b>	<b>6.60</b>	<b>7.85</b>	<b>2.8%</b>
<b>Dry production (trillion cubic feet)<sup>4</sup></b>								
United States total .....	24.06	24.40	28.82	30.51	33.01	34.14	35.45	1.4%
Lower 48 onshore .....	22.16	22.63	26.52	28.10	29.05	30.26	31.49	1.2%
Tight gas .....	4.78	4.38	5.21	5.55	5.99	6.40	6.97	1.7%
Shale gas and tight oil plays <sup>3</sup> .....	10.16	11.34	15.44	17.03	17.85	18.85	19.58	2.0%
Coalbed methane .....	1.64	1.29	1.45	1.32	1.24	1.24	1.25	-0.1%
Other .....	5.58	5.61	4.42	4.19	3.97	3.77	3.69	-1.5%
Lower 48 offshore .....	1.57	1.46	2.03	2.16	2.79	2.73	2.81	2.5%
State .....	0.14	0.11	0.06	0.04	0.03	0.02	0.02	-5.9%
Federal .....	1.42	1.35	1.98	2.13	2.76	2.70	2.79	2.7%
Alaska .....	0.33	0.32	0.27	0.25	1.18	1.16	1.15	4.9%
Onshore .....	0.33	0.32	0.27	0.25	1.18	1.16	1.15	4.9%
State offshore .....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
Federal offshore .....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
<b>Lower 48 end of year dry reserves<sup>4</sup></b> (trillion cubic feet) .....	<b>298</b>	<b>293</b>	<b>309</b>	<b>316</b>	<b>329</b>	<b>338</b>	<b>345</b>	<b>0.6%</b>
<b>Supplemental gas supplies (trillion cubic feet)<sup>5</sup></b> .....	<b>0.06</b>	<b>0.05</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.6%</b>
<b>Total lower 48 wells drilled (thousands) .....</b>	<b>44.7</b>	<b>44.5</b>	<b>43.4</b>	<b>47.4</b>	<b>52.1</b>	<b>54.0</b>	<b>56.7</b>	<b>0.9%</b>

<sup>1</sup>Represents lower 48 onshore and offshore supplies.

<sup>2</sup>Includes lease condensate.

<sup>3</sup>Tight oil represents resources in low-permeability reservoirs, including shale and chalk formations. The specific plays included in the tight oil category are Bakken/Three Forks/Sanish, Eagle Ford, Woodford, Austin Chalk, Spraberry, Niobrara, Avalon/Bone Springs, and Monterey.

<sup>4</sup>Marketed production (wet) minus extraction losses.

<sup>5</sup>Synthetic natural gas, propane air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

Note: Totals may not equal sum of components due to independent rounding. Data for 2012 and 2013 are model results and may differ from official EIA data reports.

Sources: 2012 and 2013 crude oil lower 48 average wellhead price: U.S. Energy Information Administration (EIA), *Petroleum Marketing Monthly*, DOE/EIA-0380(2014/08) (Washington, DC, August 2014). 2012 and 2013 lower 48 onshore, lower 48 offshore, and Alaska crude oil production: EIA, *Petroleum Supply Annual 2013*, DOE/EIA-0340(2013)/1 (Washington, DC, September 2014). 2012 U.S. crude oil and natural gas reserves: EIA, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, DOE/EIA-0216(2012) (Washington, DC, April 2014). 2012 Alaska and total natural gas production, and supplemental gas supplies: EIA, *Natural Gas Annual 2013*, DOE/EIA-0131(2013) (Washington, DC, October 2014). 2012 and 2013 natural gas spot price at Henry Hub: Thomson Reuters. 2013 Alaska and total natural gas production, and supplemental gas supplies: EIA, *Natural Gas Monthly*, DOE/EIA-0130(2014/07) (Washington, DC, July 2014). Other 2012 and 2013 values: EIA, Office of Energy Analysis. Projections: EIA, AEO2015 National Energy Modeling System run REF2015.D021915A.