

US Lower 48

The US Lower 48 business comprises BP's onshore oil and gas operations in the 'Lower 48' states of the US. The business has significant activities producing natural gas, NGLs and condensate across seven states, including production from unconventional gas, coalbed methane (CBM) and shale gas assets.

Second quarter 2015	First quarter 2016	Second quarter 2016		First half 2016	First half 2015
			Production (net of royalties)		
50	49	50	Liquids ^(a) (mb/d)	50	50
1,336	1,412	1,481	Natural gas (mmcf/d)	1,446	1,340
280	293	305	Total hydrocarbons ^(b) (mboe/d)	299	281
			Average realizations		
25.52	16.64	19.47	Total liquids (\$/bbl)	18.06	26.01
2.12	1.58	1.55	Natural gas (\$/mcf)	1.56	2.24
14.65	10.43	10.68	Total hydrocarbons (\$/boe)	10.56	15.30
			Production Costs^(c) per boe (excluding rationalization costs) (\$/boe)	7.58	9.05
8.79	7.82	7.34			
246	242	221	Capital expenditure (\$ million)	463	435

Estimated net proved reserves at 31 December 2015

	Developed	Undeveloped	Total
Crude oil (million barrels)	44	11	55
Natural gas liquids (million barrels)	182	39	221
Natural gas (billion cubic feet)	4,818	1,810	6,628
Total net proved reserves on an oil equivalent basis (million barrels oil equivalent)	1,057	363	1,419

(a) Liquids comprise crude oil, condensate and natural gas liquids.

(b) Hydrocarbons comprise liquids and natural gas. Natural gas is converted to oil equivalent at 5.8 billion cubic feet = 1 million barrels.

(c) Production costs do not include depreciation, depletion and amortisation, ad valorem and severance taxes and certain other costs.