

Chapter CF

ABBREVIATIONS AND ACRONYMS USED IN THIS REPORT

Abbreviations

bbbl	Barrels
BB	Billion barrels
BBL	Billion barrels of total petroleum liquids; includes crude oil, condensate, and natural gas liquids
BBNGL	Billion barrels of natural gas liquids
BBO	Billion barrels of crude oil
BBOE	Billion barrels of oil equivalent
BCF	Billion cubic feet
BCFG	Billion cubic feet of natural gas
BL	Barrels of total petroleum liquids; includes crude oil, condensate, and natural gas liquids
BNGL	Barrels of natural gas liquids
BO	Barrels of crude oil
BOE	Barrels of oil equivalent
°C	Degree Celsius
CF	Cubic feet
CFG	Cubic feet of natural gas
Cond.	Condensate
Cum.	Cumulative
D	Darcy, darcies
EUR	Estimated ultimate recovery
°F	Degree Fahrenheit
ft	Feet or foot
HI	Hydrogen index
km	Kilometer
LNG	Liquified natural gas

m	Meters or meter
Ma	Million years ago
mD	Millidarcy, millidarcies
mi	Mile
MMB	Million barrels
MMBL	Million barrels of total petroleum liquids; includes crude oil, condensate, and natural gas liquids
MMBNGL	Million barrels of natural gas liquids
MMBO	Million barrels of crude oil
MMBOE	Million barrels of oil equivalent
MMCF	Million cubic feet
MMCFG	Million cubic feet of natural gas
M.Y.	Million years
No.	Number
OI	Oxygen index
Ro	Reflectance of vitrinite in oil
sq.	Square
TAI	Thermal alteration index
TCF	Trillion cubic feet
TCFG	Trillion cubic feet of natural gas
TOC	Total organic carbon
TWT	Two-way travel time
wt.	Weight

Acronyms

AAPG	American Association of Petroleum Geologists
API	American Petroleum Institute
AU	Assessment unit
EIA	Energy Information Administration
EUR	Estimated ultimate recovery
FSU	Former Soviet Union
GIS	Geographic information system
GOR	Gas to oil ratio
IEA	International Energy Agency
LGR	Liquids to gas ratio
MMS	Minerals Management Service
NGL	Natural gas liquids
OECD	Organization for Economic Cooperation and Development
OGIFF	Oil and gas integrated field file
OPEC	Organization of Petroleum Exporting Countries; includes Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates (UAE), and Venezuela
SEG	Society of Exploration Geophysicists
TPS	Total petroleum system
UAE	United Arab Emirates; includes Abu Dhabi, Ajman, Dubai, Fujairah, Ras al Khaimah, Sharjah, and Umm al Qaiwain
US or USA	United States of America
USGS	United States Geological Survey

CONVERSION FACTORS (Approximate)

[For this assessment, 6,000 cubic feet of gas equals 1 barrel of oil equivalent (BOE)]

To convert from	To	Multiply by
Length		
foot (ft)	kilometer (km)	0.000305
foot (ft)	meter (m)	0.305
foot (ft)	mile (mi)	0.000189
kilometer (km)	foot (ft)	3280
kilometer (km)	mile (mi)	0.621
meter (m)	foot (ft)	3.28
mile (mi)	foot (ft)	5280
mile (mi)	kilometer (km)	1.61
Area		
sq. kilometer (km ²)	sq. mile (mi ²)	0.386
sq. mile (mi ²)	sq. kilometer (km ²)	2.59
Weight		
metric ton	ton, short (2,000 lb)	1.10
ton, short (2,000 lb)	metric ton	0.907
Crude Oil (based on average gravity at standard temperature and pressure)		
barrel (bbl)	metric ton	0.136
barrel (bbl)	ton, short (2,000 lb)	0.150
metric ton	barrel (bbl)	7.33
ton, short (2,000 lb)	barrel (bbl)	6.65

Liquid Fuels

barrel (bbl)	cubic meter (m ³)	0.159
barrel (bbl)	gallon (gal)	42.0
barrel (bbl)	liter (L)	159
cubic meter (m ³)	barrel (bbl)	6.29
gallon (gal)	barrel (bbl)	0.0238
liter (L)	barrel (bbl)	0.00629

Gaseous Fuels

cubic foot (ft ³)	cubic meter (m ³)	0.0283
cubic meter (m ³)	cubic foot (ft ³)	35.3

Coproduct Ratios

cubic feet per barrel (ft ³ /bbl or CFG/BO)	cubic meters per cubic meters (m ³ /m ³)	0.178
barrel per million cubic feet (bbl/ft ³ or BL/MMCFG)	cubic centimeters per cubic meter (cm ³ /m ³)	5.61
cubic meters per cubic meters (m ³ /m ³)	cubic feet per barrel (ft ³ /bbl or CFG/BO)	5.61
cubic centimeters per cubic meters (cm ³ /m ³)	barrel per million cubic feet (bbl/ft ³ or BL/MMCFG)	0.178

Geothermal Gradients

degree Celsius per 100 meters (°C/100 m)	degree Fahrenheit per 100 feet (°F/100 ft)	0.549
degree Fahrenheit per 100 feet (°F/100 ft)	degree Celsius per 100 meters (°C/100 m)	1.82
