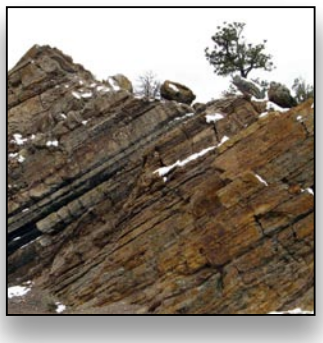
National Assessment of Oil and Gas Project:

Petroleum Systems and Assessment of Undiscovered Oil and Gas in the Denver Basin Province, Colorado, Kansas, Nebraska, South Dakota, and Wyoming—USGS Province 39



Click here to return to
Main Contents

Compiled by Debra K. Higley

* previously published in Energy Resource Studies, Northern Front Range, Colorado. 2005, Fishman, N.S., ed.: U.S. Geological Survey Professional Paper 1698, 162 p., 1 plate.

** previously published as U.S. Geological Survey Open-File Report 88-527

NEXT PAGE ▷

U.S. Geological Survey Digital Data Series 69–P

U.S. Department of the Interior
U.S. Geological Survey

Conversion Factors (Approximate) *

Note: 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)	3,281
kilometer (km)	mile (mi)	0.621
meter (m)	foot (ft)	3.281
mile (mi)	foot (ft)	5,280
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 specific 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

◁ PREVIOUS PAGE NEXT PAGE ▷

* Compiled by T.R. Klett

Conversion Factors (Approximate)—Continued

To convert from	To	Multiply by
	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 CF/B)	cubic meters per cubic meters (m^3/m^3)	0.178
barrel per million cubic feet (bbl/1,000,000 ft^3 or B/MMCF)	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 CF/B)	5.61
cubic centimeters per cubic meters (cm^3/m^3)	barrel per million cubic feet (bbl/1,000,000 ft^3 or B/MMCF)	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

◁ PREVIOUS PAGE ◁FIRST PAGE

Layout by Wayne L. Husband (Contractor, ATA Services)