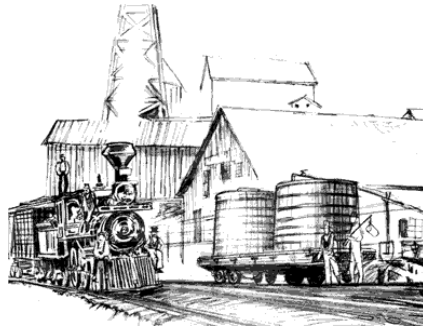


Timeline of Oil Transportation Methods 1860 - 1890

1860
Samuel Duncan Karns
proposes first oil
pipeline in WV

1861
Wooden barges used
to haul crude oil on
Oil Creek and the
Allegheny River

1865
Densmore Tank Car
first used to haul
crude oil by railroad
from PA to NY



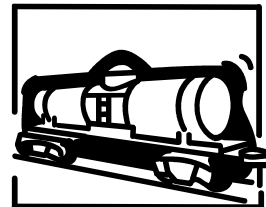
1879
The Tidewater Pipeline Com-
pany completes the first long-
distance pipeline, carrying oil
109 miles from Bradford, PA
to Williamsport, PA



1860

1865
Samuel Van Syckel
creates first oil pipeline

1870



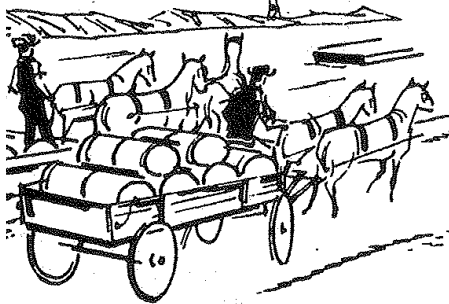
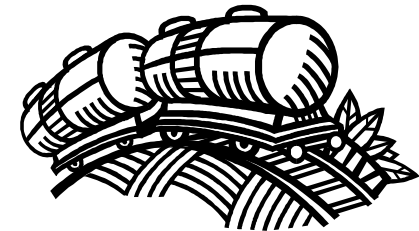
1880

1888
John D. Rockefeller of Standard Oil
Company owns 5,600 of the 6,100
oil tank cars in service on railroads

1860s
Teamsters hauled barrels of
oil from wells to rivers and
railroads in horse-drawn
wagons

1868
Boiler-type tank car used to
haul crude oil by railroad

1878
Ludwig Nobel creates the first
oil tanker ship, the *Zoroaster*,
which carries oil around the
Russian Empire



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