

2 Big data in petroleum industry

10/33

According to the "4Vs" of big data by IBM, petroleum industry has already entered "Big Data" era.

Volume



Data at scale
Terabytes to
petabytes of data

Variety



Data in many forms
Structured, unstructured,
text, multimedia

Velocity



Data in motion
Analysis of streaming data
to enable decisions within
fractions of a second

Veracity



Data uncertainty
Managing the reliability and predictability
of inherently imprecise data types

