

Analyzing Unconventional Gas Production Methods 2016

<https://marketpublishers.com/r/A126D050B5AEN.html>

Date: August 2016

Pages: 150

Price: US\$ 850.00 (Single User License)

ID: A126D050B5AEN

Abstracts

The continued and ever increasing demand for energy resources in developing as well as developed countries is pushing the exploration and production focus of unconventional gas resources. Unconventional gas though had been classified as uneconomic for commercial purposes however these sources have also proved their worth with the development of better techniques to harness them and apply them to commercial usage.

The global natural gas market has seen a retardant growth even though it may be higher in values than the earlier years of production. The US sees a rising impact of household sector gas usage and consumption which has forced the development of unconventional gas in order that gas of higher calorific values may be dedicated to commercial usage whereas more mass usage applications be tried with unconventional gas; thereby taking the production burden off the major producers.

Aruvian Research's report on Analyzing Unconventional Gas Production Methods 2016 outlines the historical perspective of gas usage as an energy source and the increased focus on the production of gas for commercial as well as domestic usage. The report provides an overview of the geographically diverse production of natural gas and categorization of unconventional gas sources.

The report provides a detailed explanation of the market developments and the advancements in gas extraction technologies which are spurred by the strong demand for unconventional gas. Further, the research report explains the constraints to the development of unconventional gas sources and also provides the overall geo-commercial footprint of unconventional gas.

Summing up, the report provides an outlook on the economical perspective of unconventional gas and the major industry contributors of unconventional gas and their relative market positions in this sector.

Contents

A. EXECUTIVE SUMMARY

B. INTRODUCTION TO THE INDUSTRY

- B.1 Natural Gas Usage – Historical Perspective
- B.2 Natural Gas Usage across the Globe
- B.3 Natural Gas Market – Future Perfect
- B.4 Natural Gas Production Geographically
- B.5 Distinguishing Unconventional Gas

C. CATEGORIZATION OF UNCONVENTIONAL GAS SOURCES

- C.1 Associated Gas
- C.2 Coal Bed Methane
- C.3 Gas Shale
- C.4 Methane Hydrates
- C.5 Stranded Reserves
- C.6 Tight Gas Sands
- C.7 Deep Gas
- C.8 Peat Methane
- C.9 Geopressurized Zones

D. MARKET DEVELOPMENTS

E. ADVANCEMENTS IN GAS EXTRACTION TECHNOLOGY

F. UNCONVENTIONAL GAS STRONG DEMAND

G. CONSTRAINTS & DEVELOPMENT OPPORTUNITIES

H. CHARACTERIZATION & MODELING OF UNCONVENTIONAL GAS

- H.1 Introduction
- H.2 Geosciences
- H.3 Modeling
- H.4 Improving the Process
 - H.4.1 Mining of Data, Collection & Sharing

- H.4.2 Play-based Analysis
- H.4.3 Reservoir Characterization
- H.5 Radical Technology Needs or Opportunities
- H.5.1 Gas Hydrate Play-based Analysis
- H.5.2 Identifying Sweet Spot
- H.5.3 Advanced Sub-Surface Monitoring

I. LOOKING AT DRILLING & COMPLETION PROCESSES

- I.1 Introduction
- I.2 Well Site Preparation
- I.3 Drilling Activities
- I.4 Completion Activities
- I.5 Improving the Process
- I.6 Radical Technology Needs or Opportunities
- I.6.1 Micro-Technology
- I.6.2 Real-Time Communications
- I.6.3 New Technologies
- I.6.4 In Situ Production
- I.6.5 Enhanced Recovery
- I.6.6 Geotechnical Hazards at Arctic & Offshore Areas

J. LIFT & SURFACE INFRASTRUCTURE REQUIREMENT FOR UNCONVENTIONAL GAS

- J.1 Introduction
- J.2 Lift Devices, Water & Waste Handling
- J.3 Gathering, Conditioning, & Compression of Borrows
- J.4 Improving the Process
- J.4.1 Production testing
- J.4.2 Lift Mechanisms
- J.4.3 Managing Produced Liquids
- J.4.4 Production Reporting Requirements
- J.4.5 Surface Infrastructure
- J.5 Radical Technology Needs or Opportunities
- J.5.1 New & Improved Lift Mechanisms
- J.5.2 Advanced Water Treatments
- J.5.3 New Downhole Components
- J.5.4 Advanced Wellheads

J.5.5 Integrated Modeling

J.5.6 New Delivery Systems

K. GEO-COMMERCIAL MAP FOR UNCONVENTIONAL GAS

K.1 Australia

K.2 Canada

K.3 China

K.4 Russia

K.5 Ukraine

K.6 United Kingdom

K.7 United States

L. UNCONVENTIONAL GAS – ECONOMICAL PERSPECTIVE

M. INDUSTRY EXPLORATION ACTIVITY

N. MAJOR INDUSTRY CONTRIBUTORS

N.1 ConocoPhillips

N.2 Devon Energy Corporation

N.3 Royal Dutch Shell

N.4 EnCana Corporation

N.5 Nexen/CNOOC

N.6 XTO Energy

O. APPENDIX

P. GLOSSARY OF TERMS

I would like to order

Product name: Analyzing Unconventional Gas Production Methods 2016

Product link: <https://marketpublishers.com/r/A126D050B5AEN.html>

Price: US\$ 850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A126D050B5AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970