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# CBM Development And Utilization in Henan Province

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**河南省煤层气开发利用有限公司**

Henan Provincial Coal Seam Gas Development and Utilization Co.,Ltd.



# Outlines

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- I. Introduction of Henan Province Coalbed Methane Industry**
- II. The Brief of The Development of The Coalbed Methane Industry in Henan Province**
- III. The Questions of the Coalbed Methane Exploitation in Henan Province**
- IV. Suggestions**



# I. Introduction of Henan Province Coalbed Methane Industry

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1. The Coalbed Methane in Henan Province is Very Rich and Has Extensive Long Term Potential.

- The coal gas which above 2000-meter-depth in the whole province has resources about 1 trillion cubic meters, and the average resource degree is  $1.91 \times 10^8$  cubic meters per square kilometer.
- The coal seam has the advantages like better adsorption, high gas content and high gas saturation and so on. It has the condition of scale development.



# I. Introduction of Henan Province Coalbed Methane Industry

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1. The Coalbed Methane in Henan Province is Abound Resources  
And Has Extensive Long Term Potential.

- Henan as the largest population province and large energy consumption province, the gas has a favor of industry and citizen, it provided a broad market for coalbed methane industry.
- There are lots of city pipe-net of natural gas in the major areas of coalbed methane. The gas transmission from the West to the East perforation the whole Henan.



# I. Introduction of Henan Province Coalbed Methane Industry

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## 2. The Significance of The Exploitation And The Utilization of The Coalbed Methane

- Prevent outburst in coal mine, advance the safety insurance .
- Improve the energy structure, and increase the clear energy source.
- Reduce the production of the greenhouse gas, and contain global climate warm up.
- Made the most of resource, improve economic benefit, and promote the development of the area economic.



# I. Introduction of Henan Province Coalbed Methane Industry

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3. The Government And The Related Ministries And Commissions  
Decree A Series of Coalbed Methane Industry Preferential Policy  
in Series



## **II. The Brief of The Development of The Coalbed Methane Industry in Henan Province**

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1. The Government of Henan Organized the Coalbed Methane Exploitation Utilize Corporation of Henan Province

➤ The government of Henan warrant that, the Henan Coal Industry Administration give the financial contribution substitute the Government of Henan. Pingmei group and other 11 major diaphyses coal-enterprises participation. And financial contribution 300 million RMB organized the Coal-bed Methane Exploitation Utilize Corporation of Henan Province.

➤ In charge of the resource exploration, drawing and pluck, exploitation and utilization of coalbed methane in the whole province.



## II. The Brief of The Development of The Coalbed Methane Industry in Henan Province

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### 2.The Development Clue And Program Objective of The Coalbed Methane Industry of Henan Province

#### ➤ The Development Clue

- Insist the principle of ‘The coal cutting after gas recovery, the utilization of the coal cutting and gas recovery’, and the guideline of the silo both upper drawing pluck and downhole gasses harness simultaneous.





## **II. The Brief of The Development of The Coalbed Methane Industry in Henan Province**

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### **2.The Development Clue And Program Objective of The Coalbed Methane Industry of Henan Province**

#### **➤ The Development Clue**

- Promote the safety production ministrant of the colliery and realize the development both of the coal-seam gas and the coal industry harmony.**
- Establish the coal-seam gas industry as the third largest backbone industries in the Henna coal region, afer coal industry, coal chemical engineering.**



## **II. The Brief of The Development of The Coalbed Methane Industry in Henan Province**

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### **2.The Development Clue And Program Objective of The Coalbed Methane Industry of Henan Province**

#### **➤ Program Objective**

- To 2010, Henan form off-take potential of a billion cube per year.**
- According the demand of both safety in production and the market, the province will keep the inrmediate duration stabillize production in 15 hundred million cube per year upwards of the coalbed methane.**
- Establish the mating gas line network and access it to the city pipe network.. And anastomosed with the gas transmission from the West to the East.**



## **II. The Brief of The Development of The Coalbed Methane Industry in Henan Province**

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### **3.The Promptitude Development of The Coalbed Methane in Drawing And Pluck Development Test**

- **On 16th, in January 2007, the company was established;**
- **On 26th, in March 2007, the first CBM parameter well began to be constructed and currently, 27 ground drainage experiment wells have been completed in the six big mining areas in the province;**
- **On 26th, in September 2007, the first well network in Jiaozuo Weicun was successfully fractured; three groups of well networks 22 wells successively enter the fracture and drainage stage;**
- **On 9th, in October 2007, the first CBM well in Henan Province yielded gas and was ignited;**
- **In the early of October, 2007, the construction of the fourth group 13 wells began in Jiaozuo Mining Area.**

# On 8th, January, 2007, Henan Provincial Government approved the establishment of provincial CBM corporation (Yuzhengwen [2007] No. 1)

Nº 0000019

## 河南省人民政府文件

豫政文〔2007〕1号

河南省人民政府

### 关于组建河南省煤层气开发利用公司的批复

省煤炭工业局：

《河南省煤炭工业局关于组建河南省煤层气开发利用公司的请示》（豫煤人〔2006〕1112号）收悉。经研究，现批复如下：

一、为有效促进我省煤层气开发利用，加快我省煤层气产业发展，省人民政府同意组建河南省煤层气开发利用公司。

二、河南省煤层气开发利用公司由省煤炭工业局牵头并代省政府出资，平顶山煤业（集团）有限责任公司、义马煤业（集团）有限责任公司、郑州煤炭工业（集团）有限责任公司、焦作煤业（集团）有限责任公司、鹤壁煤业（集团）有限责任公司、永

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城煤电（集团）有限责任公司、省煤田地质局、河南神火集团有限公司和安阳鑫龙煤业（集团）有限责任公司、大峪沟矿务局、河南豫中地质勘察工程公司等共同出资成立，统一负责全省煤层气资源的勘探、抽采、开发和利用。

三、请你局按照《中华人民共和国公司法》的相关规定办理注册等组建手续。



主题词：经济管理 公司 批复

河南省人民政府办公厅

2007年1月8日印发

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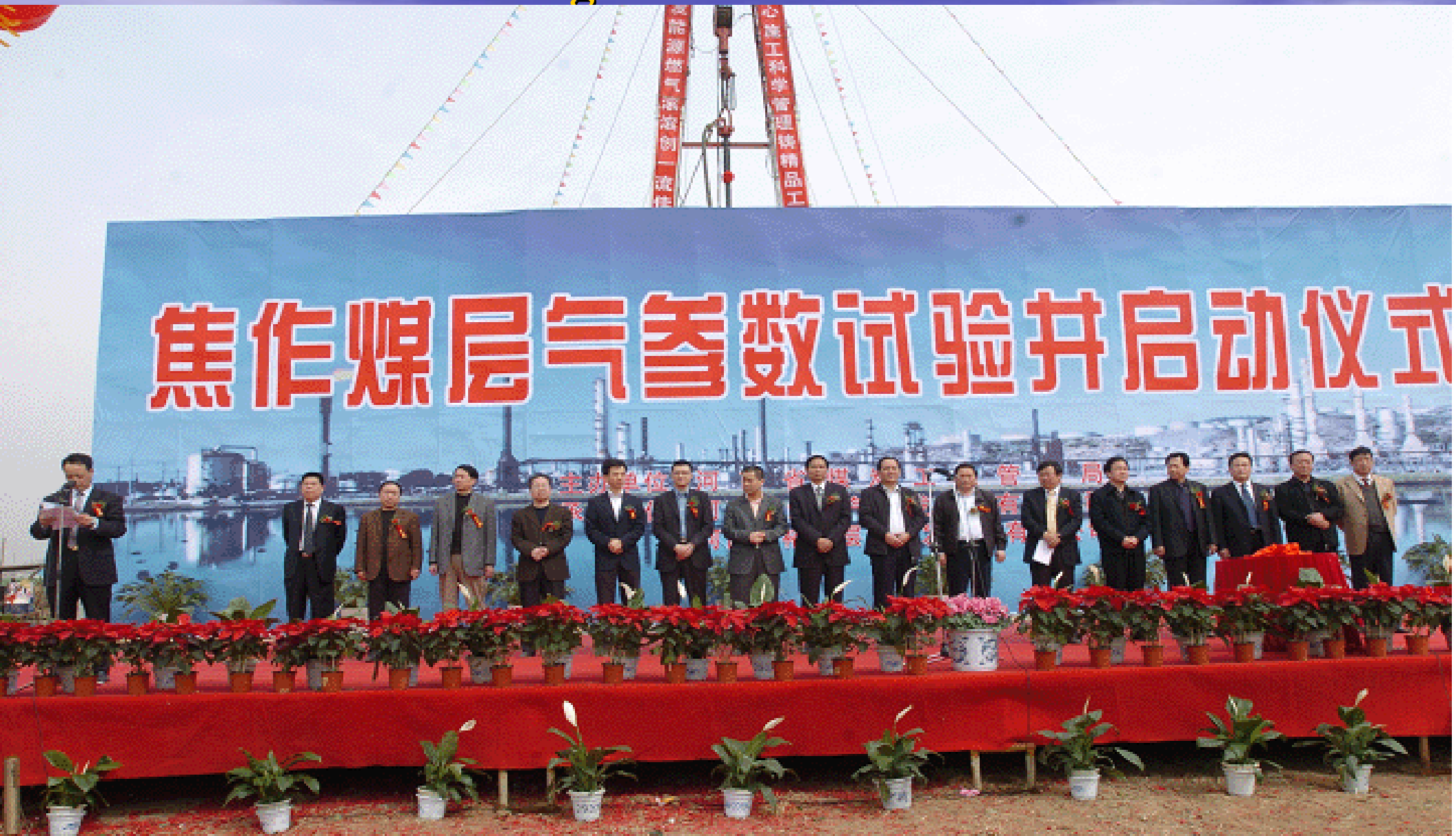
# On 16th, January, 2007, The Unveiling Ceremony of Henan CBM Corporation



# Vice-governor of Henan Province Shi Jichun and Deputy Administrator of State Administration of Mine Work Safety Unveiled for the Company



On 26, in March 2007, Jiaozuo CBM Parameter Well  
Began to construct



# On 26, in September 2007, CBM Well Network Fracture Began to Construct in Weicun Jiaozuo





**On 9, in October 2007, Ignition Ceremony for CBM Production  
Well in Weicun, Jiaozuo**

井网排采点火仪式





## **III. The Questions about The Coalbed Methane Exploitation in Henan Province**

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### **1. The Resource of Coalbed Methane Exploitation Needs To Solve Key Technology Problems**

➤ **The ground exploitation of hypotonic enriching section coalbed methane has no experience to use for reference, and the coalbed methane drawing pluck craft needs foci-combine solve the problems.**

### **2. Not Gain The Mining right of The Coalbed Methane Exploitation**

➤ **The exploratory development test limited in the mine section, the stuff problem condition the coalbed methane corporation development in Henan.**

### **3. Coalbed Methane Industry Development Be Confined to External Cooperation Franchise**

➤ **The develop of the coalbed methane industry was contained with no external cooperation, abroad fund and advanced technology.**



## IV. Suggestions

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### 1. Strengthen The Coalbed Methane Solve Technology Problems

- **Government should increase the fund plunge into, foci solve the bottleneck of the critical technology, strengthen the basic science of coalbed methane prospect and the research of the exploitation geological. Established the exploitation systematized techniques that suit our country.**
- **The talent establish.**
- **Treasure the social benefit, and compromise the economic benefit.**



## IV. Suggestions

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### 2. Expedite The Site of Coalbed Methane Properties

➤ **The planning, exploitation and the utilization should be unified. To realize the 'two combine'- the combine of the resource of coalbed methane exploration and the resource of coal exploration; the combine of the coalbed methane industry exploitation and the camp safety in production.**



## IV. Suggestions

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3 .Warrant the Coalbed Methane Corporation of Henan Province Attendance The Experimental Unit of The External Cooperative Exploitation

➤ **Obtestation the related ministries and commissions warrnat the coalbed methane corporation of Henan province as the pilot enterprises of the coalbed methane external cooperative exploitation. Fetch the advanced technology and fund in abroad. And increase the hypotonic coal exploitation and expedite the development of the coalbed methane industry in Henan Province.**



# Cooperation Field

- Risk Investment for CBM Development
- Technical Operation for CBM Development and Utilization
- Technical Cooperation for the Manufacture of the Devices for CBM Development and Utilization
- CDM Program Cooperation
- Collaboration on CBM Process Program
- Technical Cooperation Related to Coal Mine Work Safety

*Thank you!*

