

# Well Drilling Services



**Oil & Gas & Water & Mining Engineering Co., Ltd of CNNC Geo-Mining Shaanxi**

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## 1. Company introduction

ADS GROUP in partnership with - China National Nuclear Corporation (referred to as "CNNC") is a super large state-owned enterprise in China. CNNC's established Heyuan Drilling Company in 1994 and is predecessor of Oil and Gas Engineering Co., Ltd of CNNC Geo-Mining Shaanxi (CNOG).

CNOG has been actively involved in exploration and development campaign of Tuha oilfield, Changqing Oilfield of CNPC and Jingan oilfield of Shaanxi Yanchang Petroleum.



Heyuan Drilling company established in 1994

## 1. Company introduction

- Successfully finished 110 oil and gas E&P projects, drilled more than 2300 wells.
- Invested and built 2 oil & gas fields and more than 40 development wells.
- Formulated 3 petroleum industry standards and obtained 97 relevant patents.

### Oil exploration & Block E&P



Ansai Oilfield exploration since 1994



Jingbian Oilfield exploration since 1996



# 1. Company introduction

## Qualification Certificate



Grade A for geological exploration  
Qualification



IADC-2018

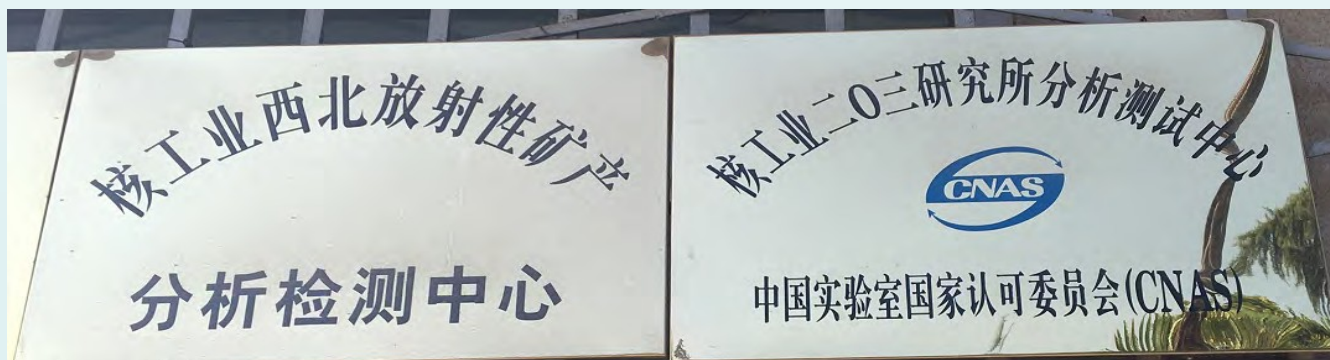
## 1. Company introduction



CMA qualified company

Analysis & test center

Geological lab of China  
Geological Survey Bureau



Analysis & detection center

CNAS Chinese National Lab



## 1. Company introduction

Under leadership of CNNC, CNOG is operating radioactive resources exploration such as uranium, thorium in Saudi Arabia in 2017.



**CNNC& Saudi Arabia geological survey bureau**

## 2. Water Well Drilling Expertise

- Draw on more than a century of combined experience when you are ready to consider water well drilling.
- We understand the geophysical formatting and aquifers in surrounding areas to help you determine the best well design and location.
- We begin with the well services and ongoing customer support.
- Safety always comes first to our company. We have a proven safety record and our employees have ongoing safety training.
- Licensed and Bonded for your protection.



## 2.1 Oilfield - Water – Gas Well Drilling Experts

We want to provide service for you and all your water well needs.

We understand the fast pace of the oilfield and we are here to help you along the way.

- Conductor Pipe
- Drill water wells to depths up to 5000 ft
- Perforation
- Jet
- Geophysical logging
- Chemical Analysis/ Water quality testing
- Test pumps
- Pump Installation
- Manifolds
- Flow lines
- Service Repair 24/7

## 2.2 Municipal and Commercial Wells

We will work with your engineers and/or develop a constructed plan for your complete water well system.

- Municipalities
- Municipal
- Industrial
- Turnkey pricing



# Municipal and Commercial Well Services

- Drill pilot holes
- Ream
- Surface casing
- Case and Screen
- Geophysical Logging
- Perforation
- Water Jet
- Acidize and Chemical treating
- Pour Cement slabs
- Chemical Analysis/ Water Quality Testing
- Pump Tests (To determine gallons per minute and well drawl down for future and permanent pump insulation)
- Pump Selection and Setup
- Pressure Cementing
- Plugging
- Capping



## 2.3 Domestic Water Well Drilling

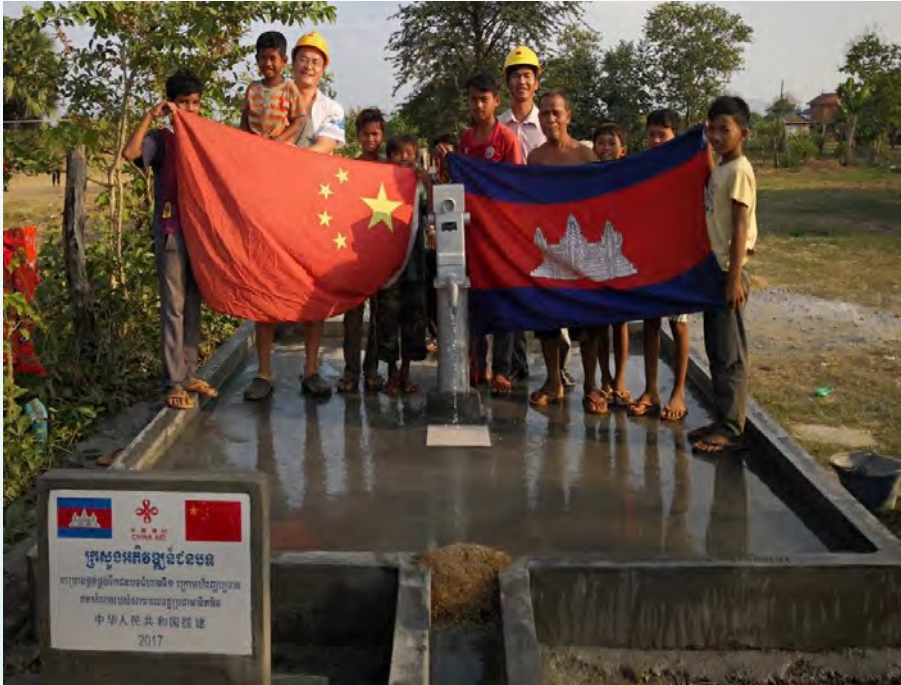
- Trust Experience with your Home Water Well.
- We are here to help you with all your water well needs.
- Domestic wells should provide an average yield of 10-25 gallons per minute.
- Drilled wells must install casing and screen to prevent the inflow of sediment and collapsing of well.
- The space around the casing must be sealed with approved grouting material to prevent contamination of water.

## Previous water well drilling performance

In 2017, CNOG sent drilling rigs to Cambodia for water well drilling project and drilled more than 400 wells. The project included water wells as part of our social responsibility. Second phase of the project will start soon.



Phase I, CNNC/CNOG **China-Aided Cambodia**  
**Rural Water Supply Project**

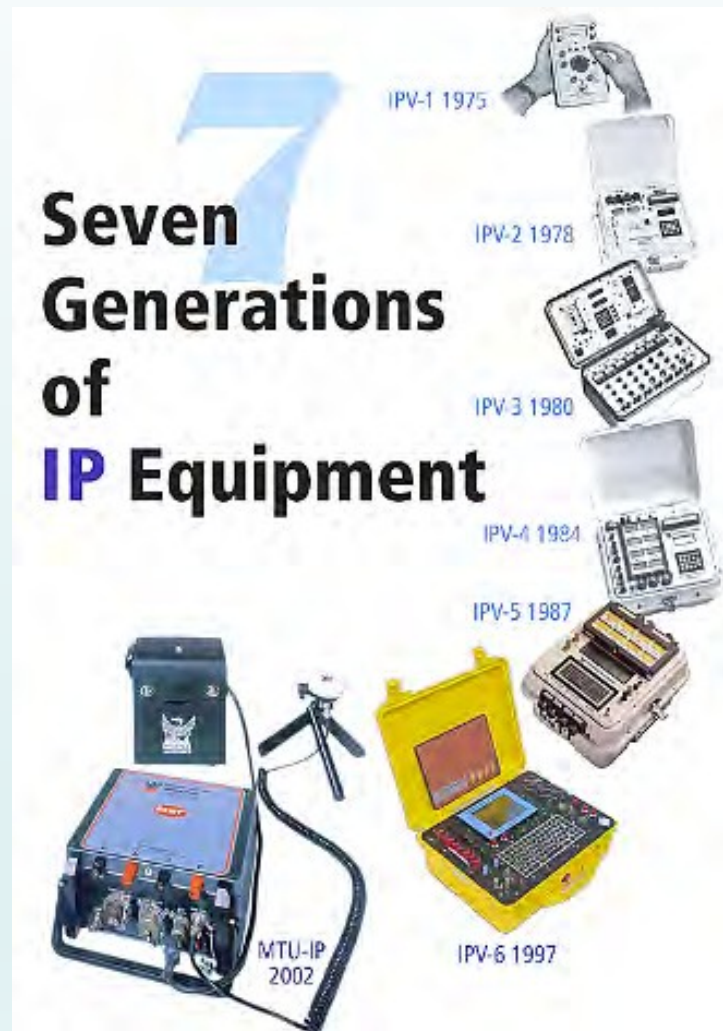


After hundreds water wells drilled by CNOG/CNNC, Cambodia rural areas' water supply has obviously improved.

China-Aided Cambodia Rural Water Supply Project is highly appraised by both Cambodia and Chinese media.

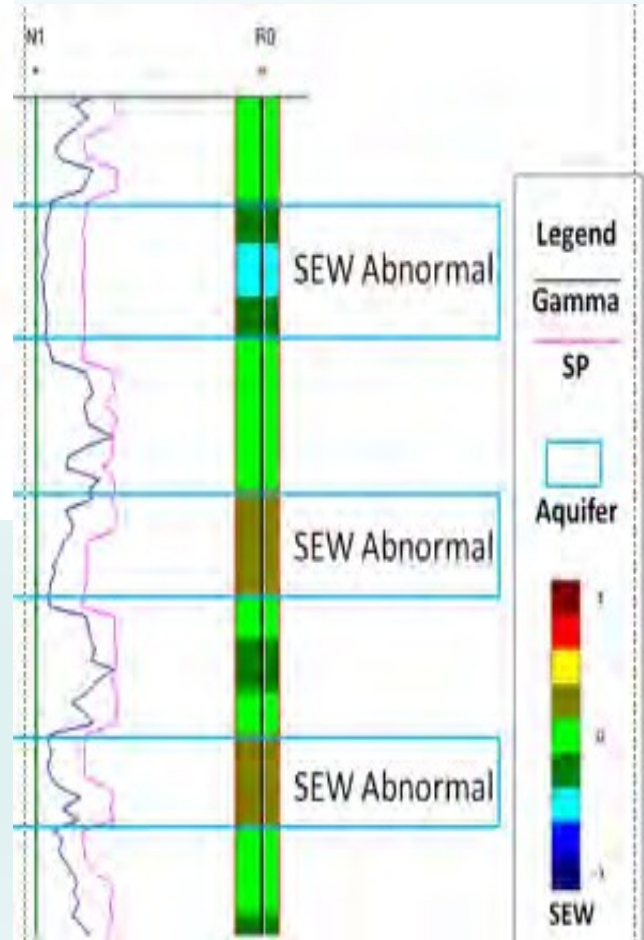
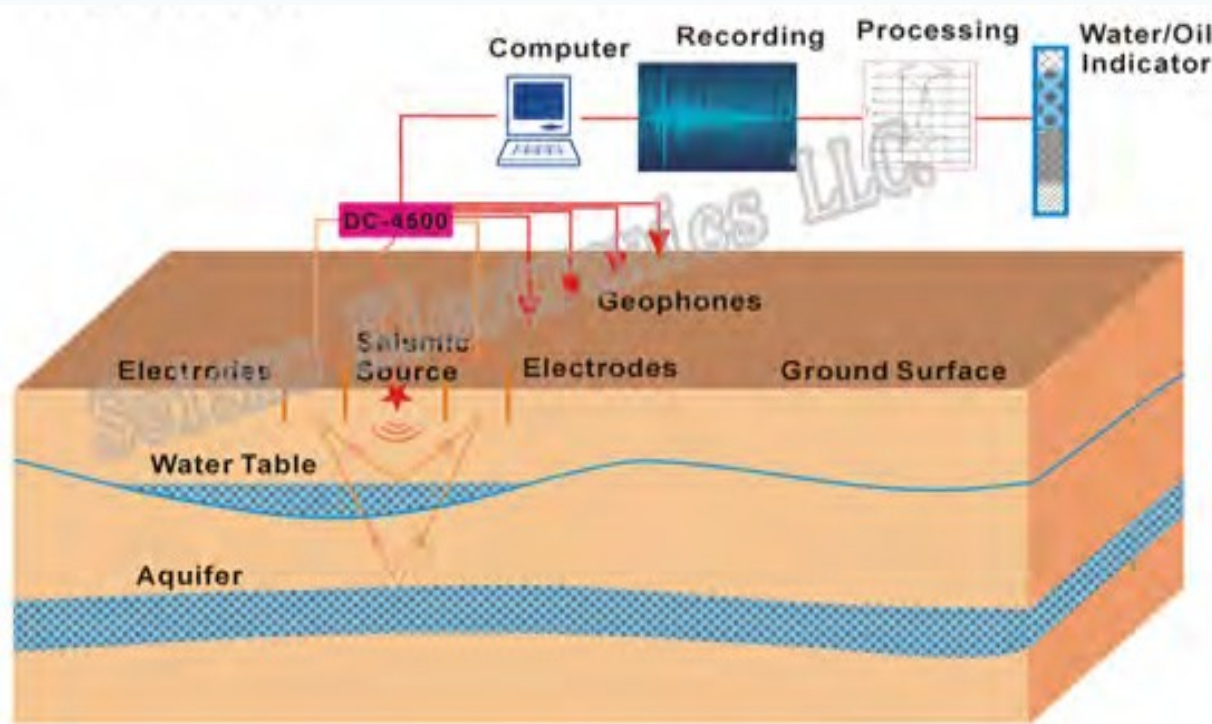


# Advanced Equipment



Transient electromagnetic system and V8 electrical measuring instrument from Canada Geonics.

# Seismoelectric Survey





# Groundwater Detection

Advanced exploration equipment, rich experience in water source hunting, successfully found and built water wells in hush environment such as plateau above 4000 meters, extremely cold, high mountain areas.





We successfully drilled thousands of water wells in northwest areas of China.

Including Xinjiang, Gansu, Inner Mongolia, Shaanxi and so on.

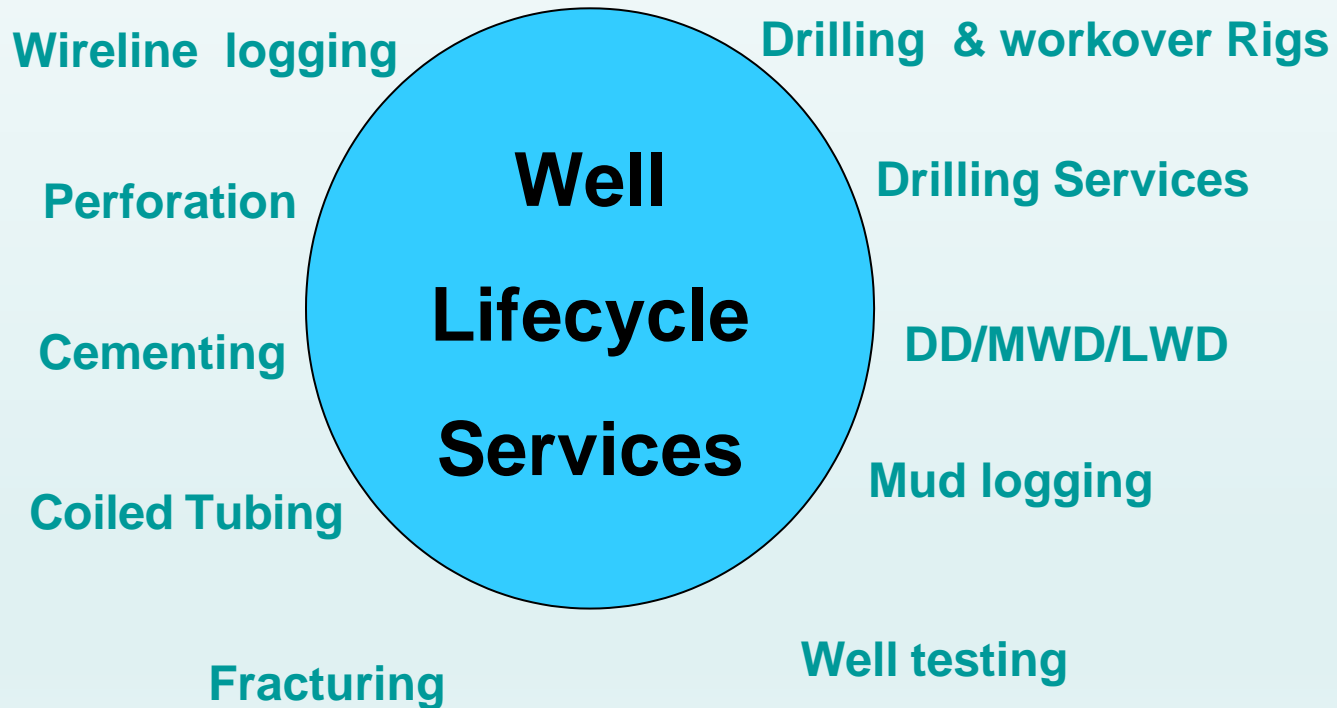


## 2. Water well drilling introduction

- Draw on decades of combined experience in commercial and residential water well drilling. CNOG builds lasting relationships by providing dependable and innovative services. We are a company that prides itself on having a friendly and knowledgeable staff available to answer your calls and address any questions and concerns you have.
- Our experienced technicians can diagnose your issue; service and repair pump components, and provide you with a comparable or more efficient replacement system

### 3. Integrated Oilfield Services

#### Drilling EPC services capability



## 3. Integrated Oilfield Services

### 3.1 Shale gas drilling

CNOG owns 37 drilling rigs of different capacities ranging from 350 to 2000 horse power (HP).

Continuously contract with China Geology Survey Center for **Shale Gas Drilling**.



Shale gas drilling



## 3. Integrated Oilfield Services

### 3.2 Oil & gas well drilling

Horizontal well drilling in variety of Chinese oilfields, drilled more than 500 horizontal wells in Yanchang oilfield, Changqing oilfield CNPC. Gained excellent reputation in China.



## 3. Integrated Oilfield Services

### Geothermal well drilling

Continuously expand geothermal well drilling business since establishment of the company, operated HDR drilling and other geothermal well drilling in Shaanxi, Gansu and so on.



HDR drilling site

## 3. Integrated Oilfield Services

### Geothermal well drilling

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HDR drilling site



## 3. Integrated Oilfield Services

### 3.3 Engineering exploration



Deep drilling for uranium exploration project



Coring



World's deepest uranium ore exploration reported by CCTV; 2818 meters

## 3. Integrated Oilfield Services

### 3.4 Mud logging

Based on advanced technology and equipment, technique & comprehensive capacity, we provide long-term detailed and over-valued mud logging service in Yan Chang and Chang Qing oilfields.



Mud logging operation

## 3. Integrated Oilfield Services

### 3.5 Wireline logging, well testing and oilfield transformation

Wireline logging, perforation, well testing, oilfield transformation, oilfield management system. More than 30 logging vehicles and equipment.



Wireline logging



Well testing



## 3. Integrated Oilfield Services

### 3.6 EOR for oil and gas well

More than 60 sets of different types fracturing units, cementing, workover equipment.

Successfully operated in Changqing, Yanchang, Tuha, Huabei Oilfields.



EOR operation

# Thank you

Website: [www.adsgroup-nsd.com](http://www.adsgroup-nsd.com)