

KNOC Oil & Gas Business **(Central Asia)**

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KNOC

Korea National Oil Corporation

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Central Asia Oil & Gas Potential

Kazakhstan

✓ Reserves

- Oil : 39.8 Billion bbl
- Gas : 64.4 Tcf

✓ Daily Production

- Oil : 1,554 Mbbl
- Gas : 2.9 Bcf

Azerbaijan

✓ Reserves

- Oil : 7 Billion bbl
- Gas : 42.3 Tcf

✓ Daily Production

- Oil : 914 Mbbl
- Gas : 1.4 Bcf



Uzbekistan

✓ Reserves

- Oil : 0.6 Billion bbl
- Gas : 55.8 Tcf

✓ Daily Production

- Oil : 111 Mbbl
- Gas : 6.0 Bcf

Turkmenistan

✓ Reserves

- Oil : 0.6 Billion bbl
- Gas : 280.6 Tcf

✓ Daily Production

- Oil : 205 Mbbl
- Gas : 6.4 Bcf

Oil & Gas Business of KNOC in Central Asia

❖ Overview

- 1 development block (ADA Block)
- 5 exploration blocks (Zhambyl, S.Karpovsky and Egizkara block)
(Aral Sea, Namangan/Chust Block)



Oil & Gas Business of KNOC in Kazakhstan

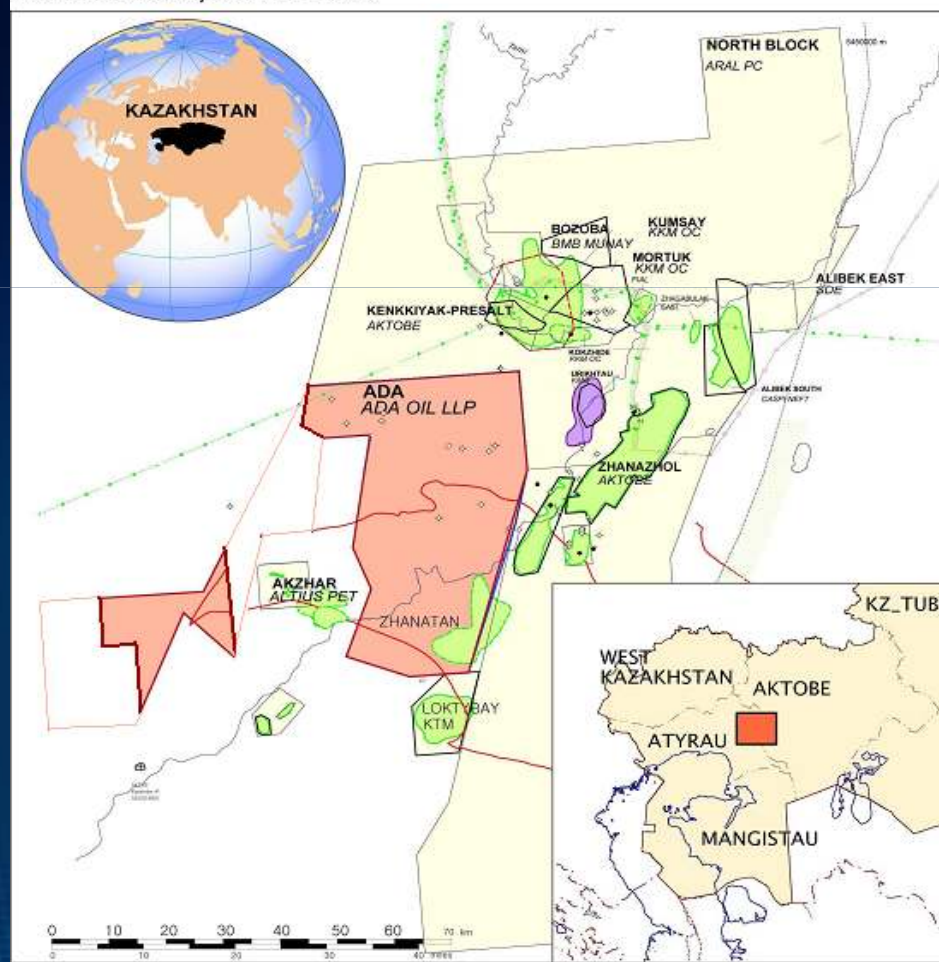
ADA Block

Oil discovery in 2008 and entered development stage

- Participation Year : 2005.11
- Share (%)
 - * Korea Consortium : 75%
(KNOC 40%, LG 35%)
 - * Kazakhstan : 25%
- Prospective resources : 115 million barrel
- Exploration Period : 6 years
- Production Schedule
 - *3,800b/d ('11), 4,400b/d('12)
- Continue evaluation and exploration drilling

Block Map

KAZAKHSTAN, ADA BLOCK



<ADA Block> (from Exploration Drilling to Development)

<Drilling Rig>



<Development Site>



Oil & Gas Business of KNOC in Kazakhstan

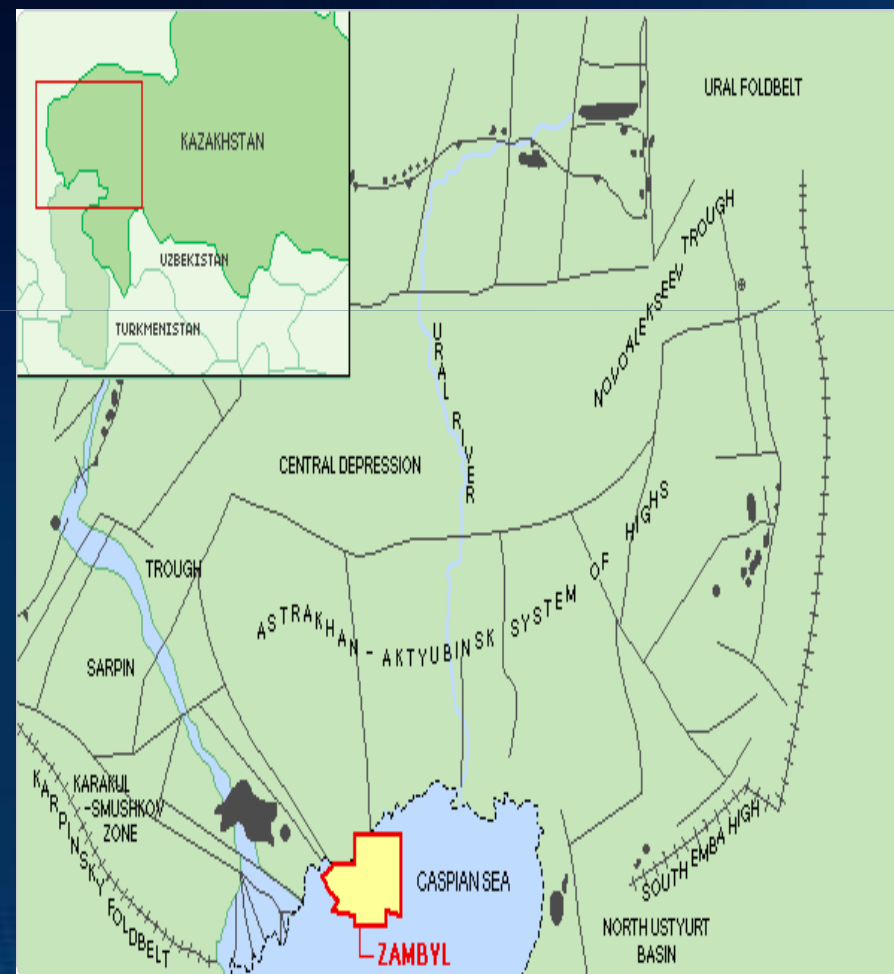
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Zhambyl Block

Operating large exploration block with Kazakhstan's National Oil Company

- Participation Year : 2008.4
- Share (%)
 - * Korea Consortium : 27%
(KNOC 9.45%, SK etc. 17.55%)
 - * KMG (Kazakhstan) : 73%
- Operator : KC Kazakh B.V. & KMG
(Joint Operation)
- Exploration Period : 6 years
- Prospective Resources : 1.6 billion bbl
- 2D Seismic survey 1,250L-km

Block Map



Oil & Gas Business of KNOC in Kazakhstan

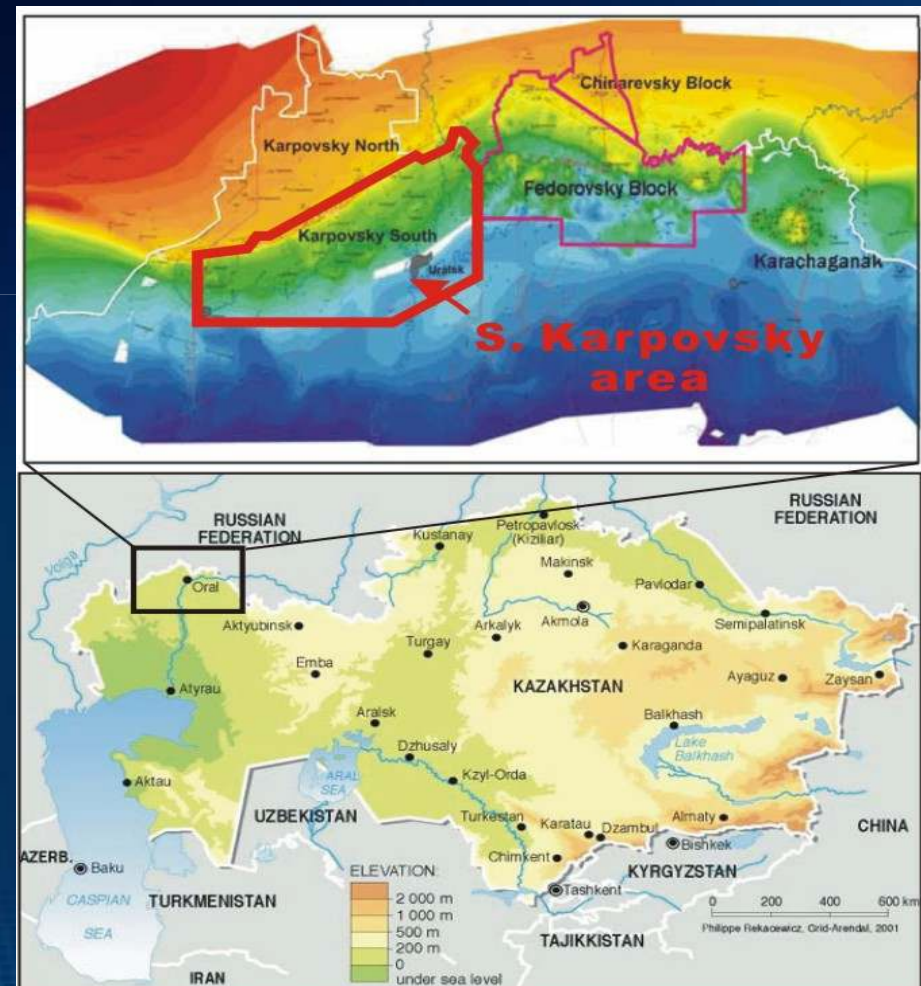
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South Karpovsky Block

Operating exploration block

- Participation Year : 2006.11
- Share (%)
 - * Korea Consortium : 50%
(KNOC 17.5%, SK etc. 32.5%)
 - * Meridian Petroleum(Kazakhstan) : 50%
- Operator : KC Kazakh B.V. & KMG
(Joint Operation)
- Exploration Period : 6 years
- Prospective Resources : 58.2 million bbl
- 2D Seismic Survey 341.7L-km

Block Map



<Seismic Survey (S.Karpovsky Block)>



Oil & Gas Business of KNOC in Kazakhstan

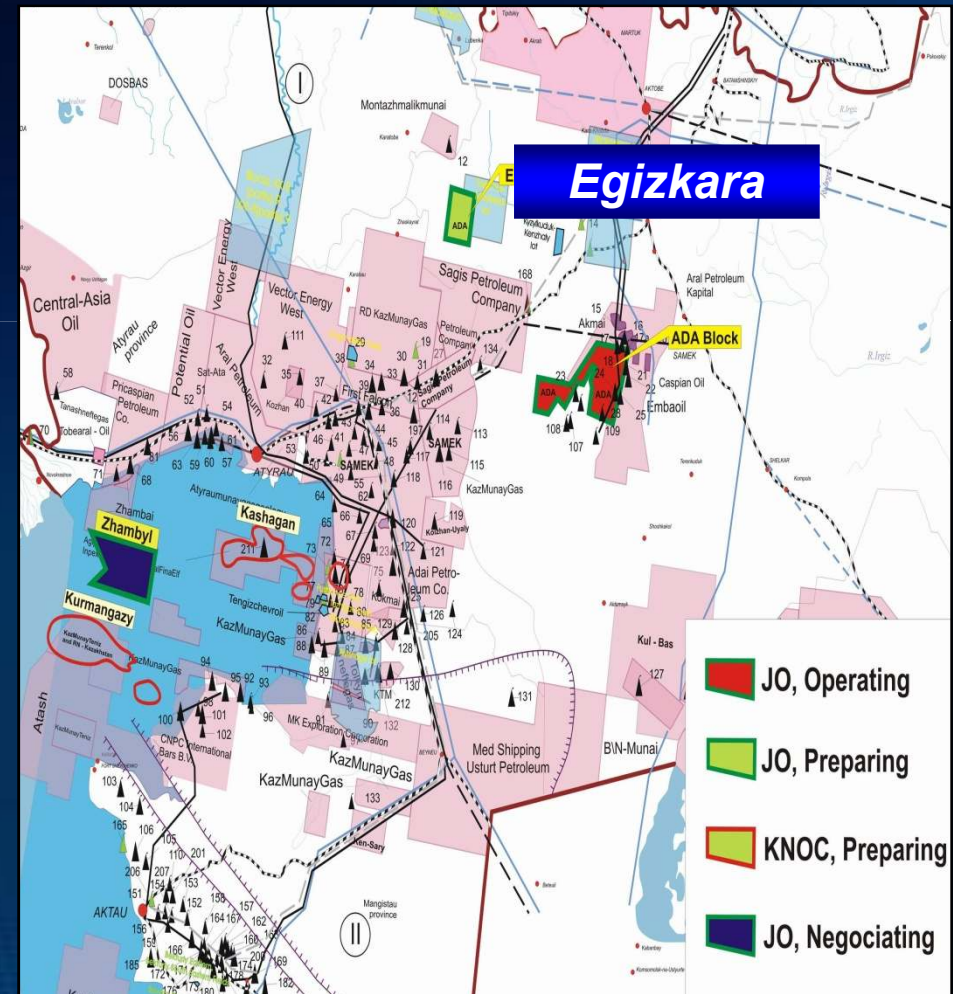
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Egizkara Block

Operating exploration block

- Participation Year : 2004. 12
- Share (%)
 - * KNOC : 25%, LG : 25%
 - * Kazakhstan : 50%
- Operator : LG
- Exploration Period : 6 years
- Prospective Resources : 23.5 Million bbl
- Drilling 2 exploration wells
(including 1 optional well)

Block Map



<Preparation of Drilling (Egizkara Block)>



Oil & Gas Business of KNOC in Uzbekistan

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Aral Sea Block

Exploration Block in Aral Sea

- Participation Year : 2006.8
- Share (%)
 - * Korean Consortium 20%,
(KNOC 10.2%, POSCO 9.8%)
 - * Uzbekneftegaz 20%
 - * Petronas 20%
 - * CNPC 20%
 - * Lukoil 20%
- Operator : Aral Sea Operating Company
- Exploration Period : 5 years
- Prospective resources : Gas 6 Tcf
- Drilling 2 exploration wells(2009-2010)

Block Map



<Road Construction (Aral Sea Block)>



Oil & Gas Business of KNOC in Uzbekistan

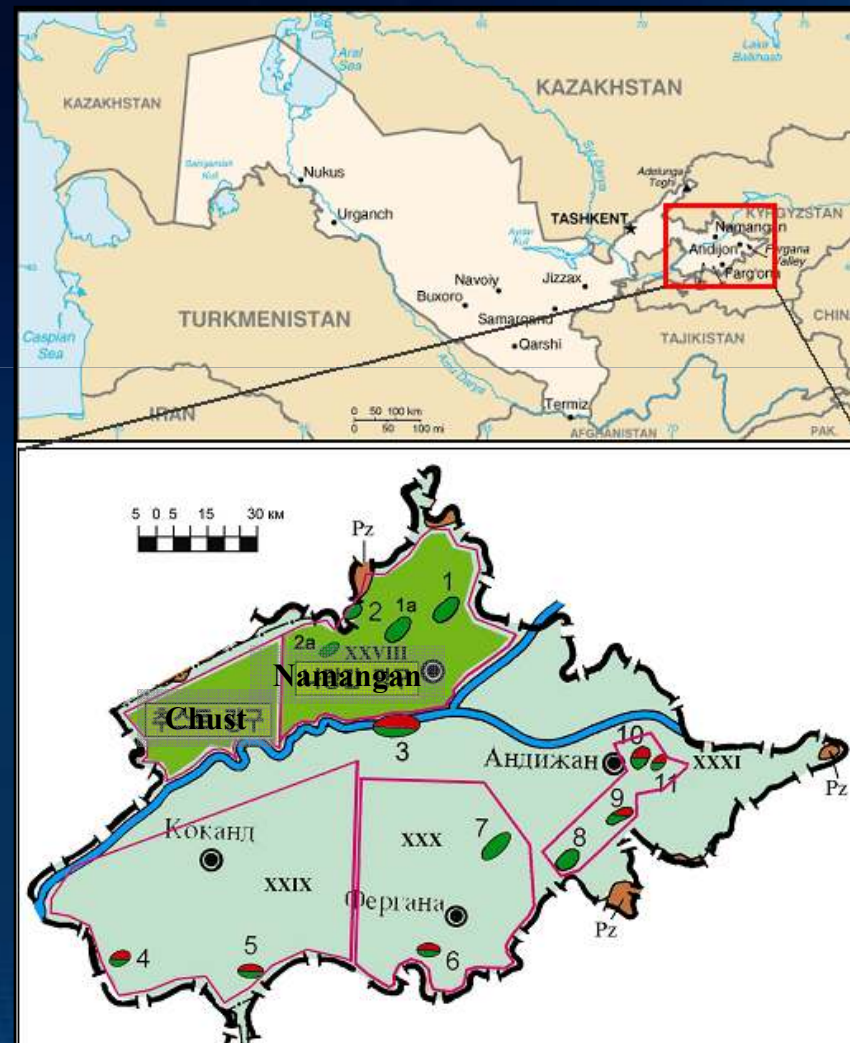
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Namangan-Chust Block

Exploration Block in Ferghana Basin

- Participation Year : 2008.11
- Share (%)
 - * Korea 100% [KNOC, SK Gas, POSCO, Samchully, SK E&S]
- Operator : KNOC (50%)
- Exploration Period : 5 years
- Prospective resources : Gas 467.2Bcf
- 2D Seismic survey 1,000L-km

Block Map



Future Oil & Gas Activities in Central Asia

- ❖ Through successful explorations, continuing and extending business Opportunities to development and production stages (ex, commercial discovery in exploration blocks)

<Drilling Plan in CIS Region>

Block	Exploration Drilling Plan	Remark
Zhambyl Block	Drilling 2 exploration wells (2011)	
S.Karpovsky Block	Drilling 1 exploration well (2010)	
Egizkara Block	Drilling 2 exploration wells ('09) (including 1 optional well)	
Aral Sea Block	Drilling 2 exploration wells ('09-2010)	
Namangan/Chust Block	Drilling 1 exploration well(2011)	

Future Oil & Gas Activities in Central Asia

❖ New Oil & Gas Business

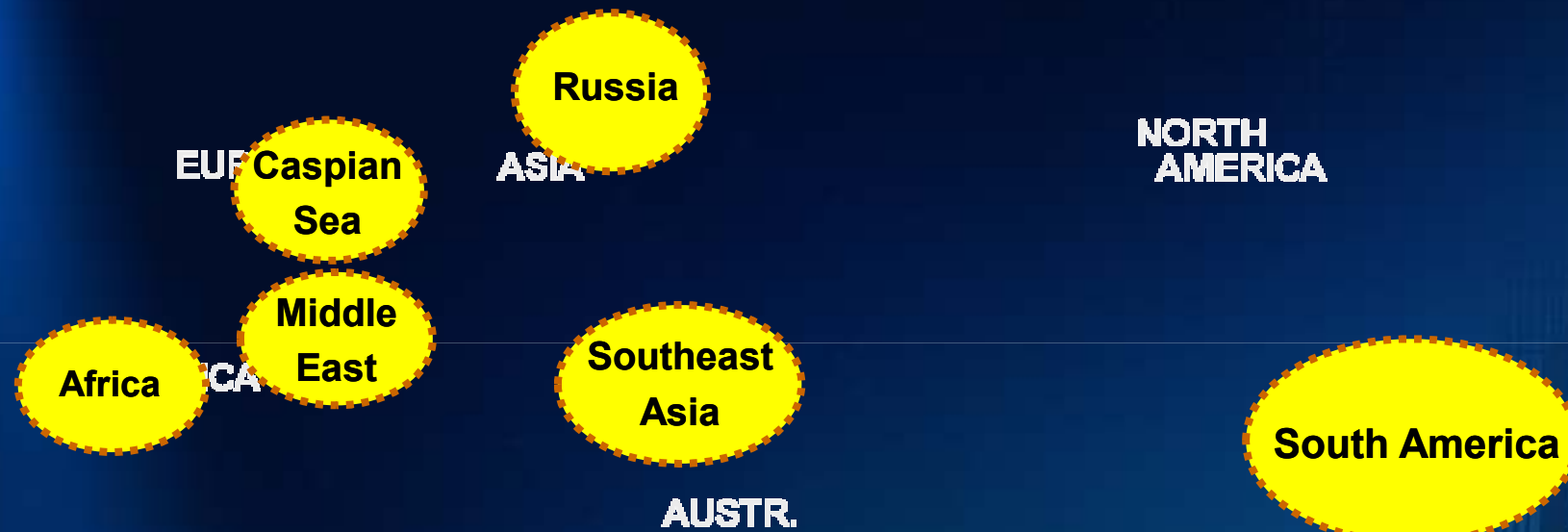
- ✓ Searching for new oil & gas business opportunities together with Central Asian governments and national oil companies (ex, new exploration block)

<Opportunities for 5 New Blocks in Uzbekistan>





6 Strategic Areas of KNOC



High Potential of Central Asia

KNOC Participation & Investment



Creating Mutual Benefits

The background is a complex digital composition. The top left shows a silhouette of a port crane against a warm sunset sky. To the right is a semi-transparent globe. The bottom half is dominated by abstract blue and teal patterns, including a grid of small squares on the left and a series of overlapping circles on the right. Several bright, multi-pointed starburst effects are scattered across the upper left and center. The text "Thank you" is centered in a large, white, sans-serif font.

Thank you