

## An Independent's View of Russia's Oil and Gas

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# JKX Oil & Gas: British Independent with 20 Years of Experience in the Region



### **History**

- 1994: Poltava Petroleum Company created in Ukraine
- 1995: IPO on London Stock Exchange
- 2005: Entry into Eastern Europe
- 2007: Entry into Russia
- 2011: LPG plant launched in Ukraine
- □ **2012**: Russian production and sales begin
- 2013: Planned production plateau achieved in Russia

## Strategy

- Fully realize potential of Ukrainian licenses
- Maximize production from Russian asset
- Establish position in E.Europe
- Leverage experience to expand in area of operational focus



JKX Oil & Gas production 1995-2013



# Russian Gas and Russian Oil: Two Different Stories... With Common Themes



Themes	Gas	Oil
Sector structure	<ul> <li>Gradual decentralization (Novatek, Rosneft and other large oil companies emerge)</li> </ul>	<ul> <li>New wave of consolidation (Rosneft+TNK-BP+?)</li> <li>New JVs with IOCs</li> </ul>
Perception of future production	<ul> <li>Abundance of new gas projects (while demand slows)</li> </ul>	<ul> <li>Risk of decline after 15 years of growth</li> </ul>
Government policy	<ul><li>Increasing tax take</li><li>Evolving pricing policy</li><li>Reviewing export strategy</li></ul>	<ul><li>Some tax breaks for upstream</li><li>while 'squeezing' refining</li></ul>
Common themes	<ul> <li>Budget and GDP depend heavily on oil &amp; gas</li> <li>Challenge of replacing cheap Soviet era 'inheritance' with new much more difficult to extract (and expensive) hydrocarbons</li> <li>Russian government and large Russian companies are the main protagonists with IOCs/NOCs in supporting roles</li> </ul>	

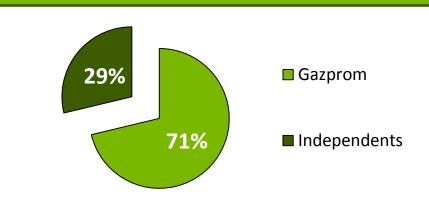
....Is there a role for independent E&P companies in gas and/or oil?

## **Small Gas Independents: A New Bread**

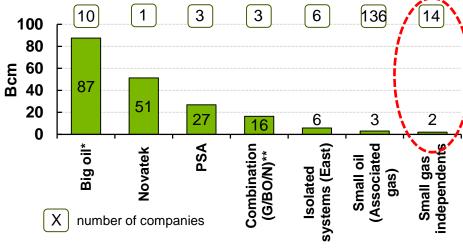


- Independent production close to 30% in 2012
  - 1998: 6%
  - 2003: 13%
- Small gas independents -- a relatively new phenomenon in Russia (0.3% of total production):
  - 14 companies producing nonassociated gas
  - 11 companies in various stages of bringing small gas fields on line

# Share of independent gas production in Russia in 2012



# Distribution of independent gas production by companies in 2012, Bcm



Source: InfoTEK

<sup>\*</sup>Includes Rospan International and Tomskneft VNK

<sup>\*\*</sup>Arcticgaz, Notgaz, Sibneftegaz

### Koshekhablskoye Field



#### **Background**

- Redevelopment project (old Gazprom field)
- ☐ Reserves: 18 bcm (ABC1+2)
- Technically challenging:
  - Main target: Oxfordian (5,200m+)
  - Next target: Callovian (5,400m)
  - H2S+CO2

#### **Highlights 2012-2013**

- Initiation of production and gas sales
- □ Receipt of final Permit to Operate
- Ramp-up of production to plant capacity (420 mmcm/y)

#### **Forward Program**

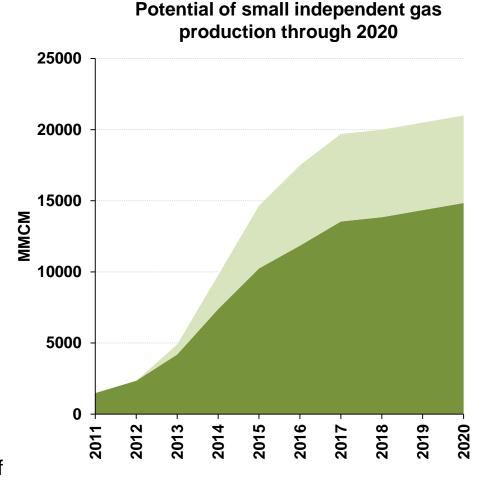
- Engineering of expansion project to increase plant capacity 50% (600 mmcm/y)
- Drilling down to confirm Callovian reserves by 2014
- Exploration at Georgiyevskoye neighbouring license (8 bcm of resources)



# Considerable Potential of Existing and Planned | Projects

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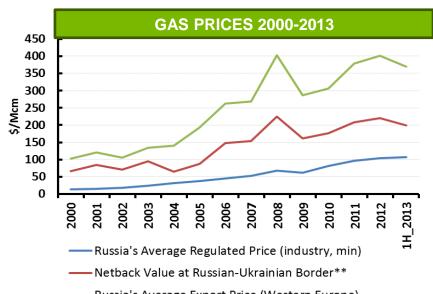
- Producers:
  - 14 companies
  - Total reserves: 470 bcm
  - Production potential 15 bcma
- Projects in active investment phase:
  - 11 companies
  - Reserves 130 bcm
  - Production potential 5 bcma
- Additional potential (1 tcm):
  - Undistributed fund
  - Small gas fields on the balance of big companies

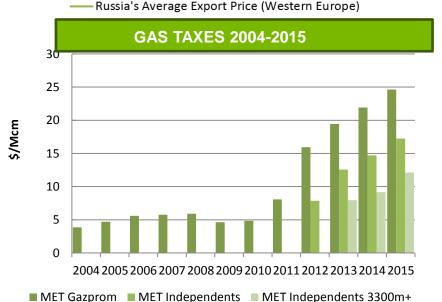


### **Russian Gas Prices and Taxes**



- Growing domestic gas prices and expectations of 'netback parity,' key driver for development of independent gas sector
- But where will gas prices go from here?
  - Government rethinking domestic price policy
  - Increasing competition in the market (discounts offered to regulated prices)
- Gas taxation also increasing as government claims its share
- Good news for (some) independents:
  - Some projects and some regions may have lower than expected taxes due to differentiation (by depth)





# Comparative Economics of Small Gas in Russia JKX

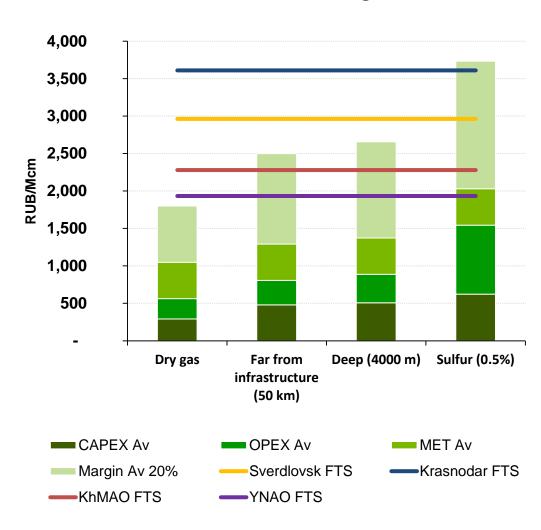
#### **Assumptions:**

- 5 bcma recoverable
- 400 mmcma plateau
- 20-year project life
- 10 wells
- 2000 meters deep
- MET R630/mcm in 2016
- No condensate

#### **Results:**

- Not all small gas projects will work everywhere in Russia
- Realized gas price very important
- Large increases in MET can severely limit potential
- Projects with H2S most at risk

#### **Economics of small gas in Russia**



# Success in Large Part Depends on Organizational Capability



# **REGULATION MANAGEMENT** Permitting Russian and western specialists Project documentation Technical and commercial Pipeline access Integrated team Interrelated Success **Factors** Services industry in Russia Blending domestic and foreign technology **TECHNOLOGY**

## **Conclusion**



Small E&P in Russia offers:		
☐ Easy access to small fields and broad choice of exploration licenses		
<ul> <li>Low reserve/resource valuations</li> </ul>		
□ Commercial advantages in specific projects/regions		
Challenges/Risks of investing in small E&P include:		
<ul> <li>Regulatory uncertainty (price and tax)</li> </ul>		
□ Financing options restricted		
<ul> <li>Operating environment geared toward large companies</li> </ul>		
Benefits for Russia Inc:		
<ul> <li>Additional production (and tax revenue)</li> </ul>		
□ Regional development		
<ul> <li>Source of new ideas and technology</li> </ul>		