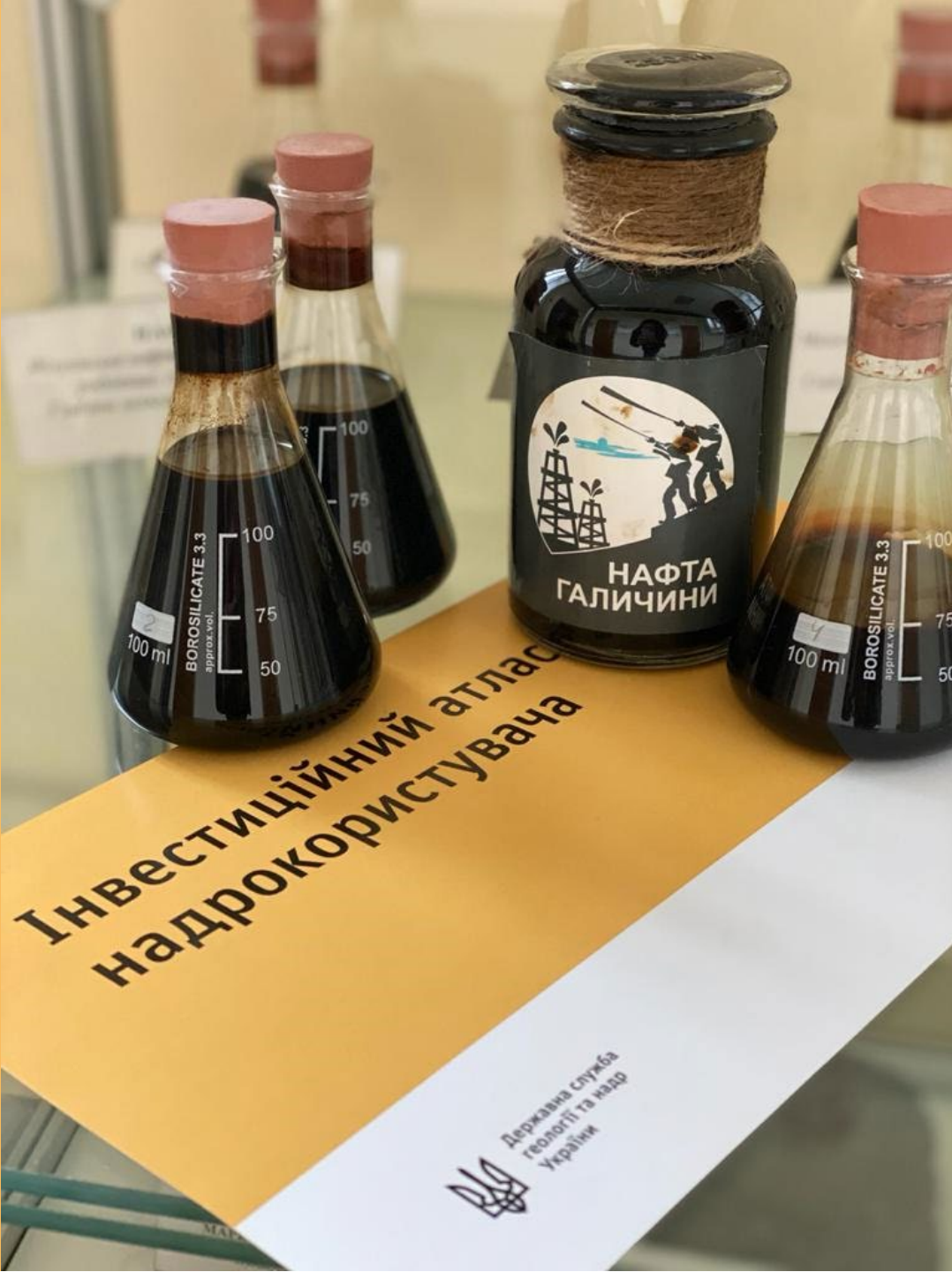




Ukrainian
Geological
Survey



Ministry of Ecology and
Natural Resources of
Ukraine

Oil & Gas opportunities



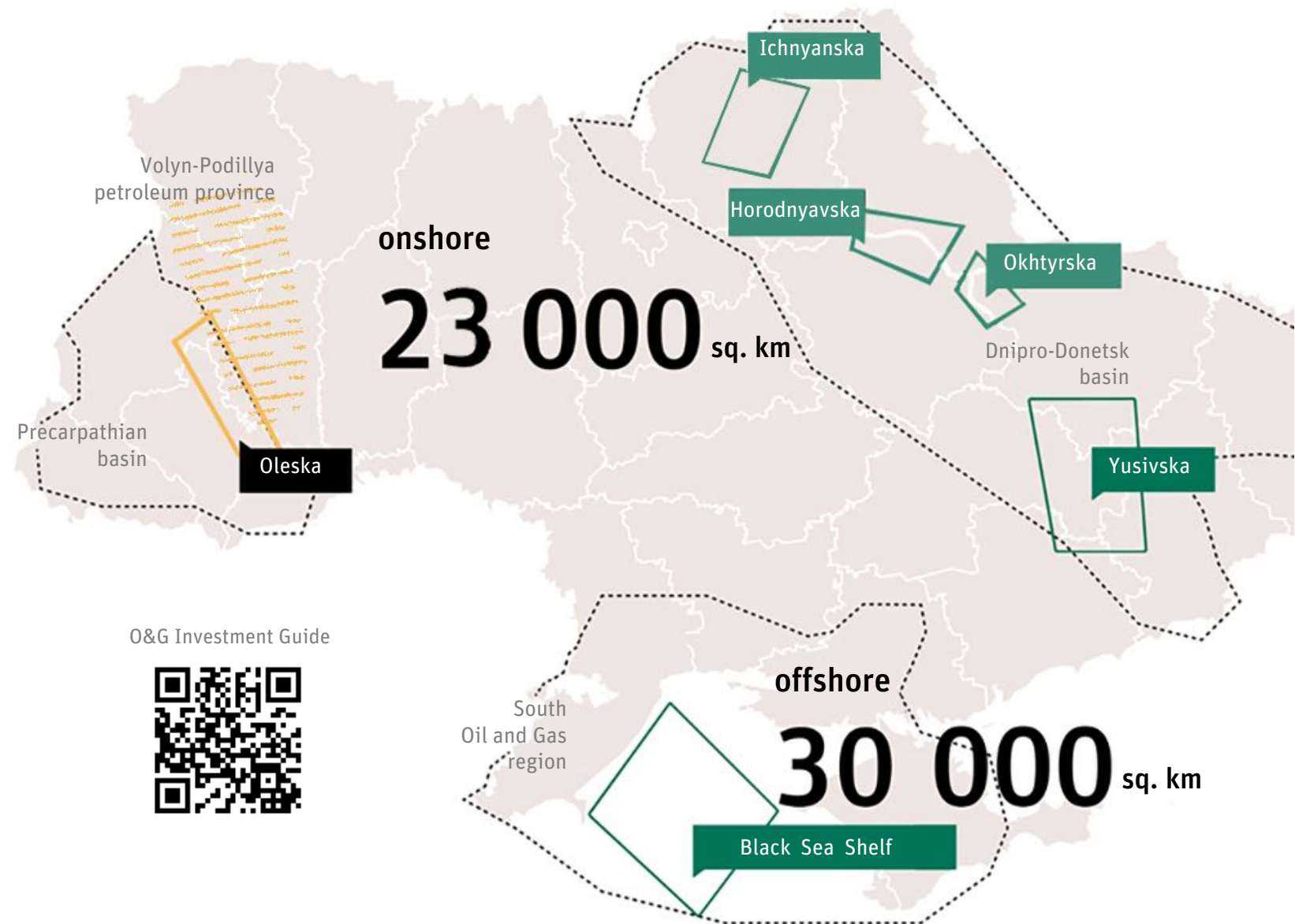
Hydrocarbons

Results

- Nine concession licenses were sold on e-auctions
- Signing of eleven PSAs
- Re-launch of Yuzivska PSA
- Unlock offshore potential in the Black Sea

Plans

- Re-launch of Oleska PSA
- Open new concession licenses for e-auctions
- Exploring Volyn-Podillya petroleum province



MAIORIVSKA block



- natural gas condensate
- production license for 20 years
- Poltava region
- 42 km²
- inferred resources of natural gas – 2755 million m³, of condensate – 172 thousand tons

Sold for \$30 million
November, 2022

BUDYSCHANSKO- CHUTIVSKA block



- hydrocarbons
- production license for 20 years
- Poltava region
- 175 km²
- oil reserves – 2,73 thousand tons, gas – 856 million m³
prospective resources of oil – 2006 thousand tons, gas – 20,587 million m³

Sold for \$23 million
August, 2020

50 HYDROCARBON BLOCKS



- natural gas liquids
- exploration & production license for 20 years
- 10 regions
- 6500 km²
- discovered & undiscovered reserves – 320 million tons BOE

Open for nomination

YULIIVSKA field (ZOLOCHIV block)



- natural gas, condensate
ethane, propane
butanes
- production license for 20 years
- Kharkiv region
- 14 km²
- discovered & undiscovered
reserves: natural gas –
1128 million m³
condensate – 251 thousand tons

Sold for \$4.3 million
April, 2021

SOUTH-RUSANIV license



- oil
natural gas
condensate
- exploration & production
license for 20 years
- Sumy region
- 310 km²
- inferred resources of
natural gas – 3.3 billion m³

Sold for \$11,5 million
October, 2021

PSA

OLESKA license

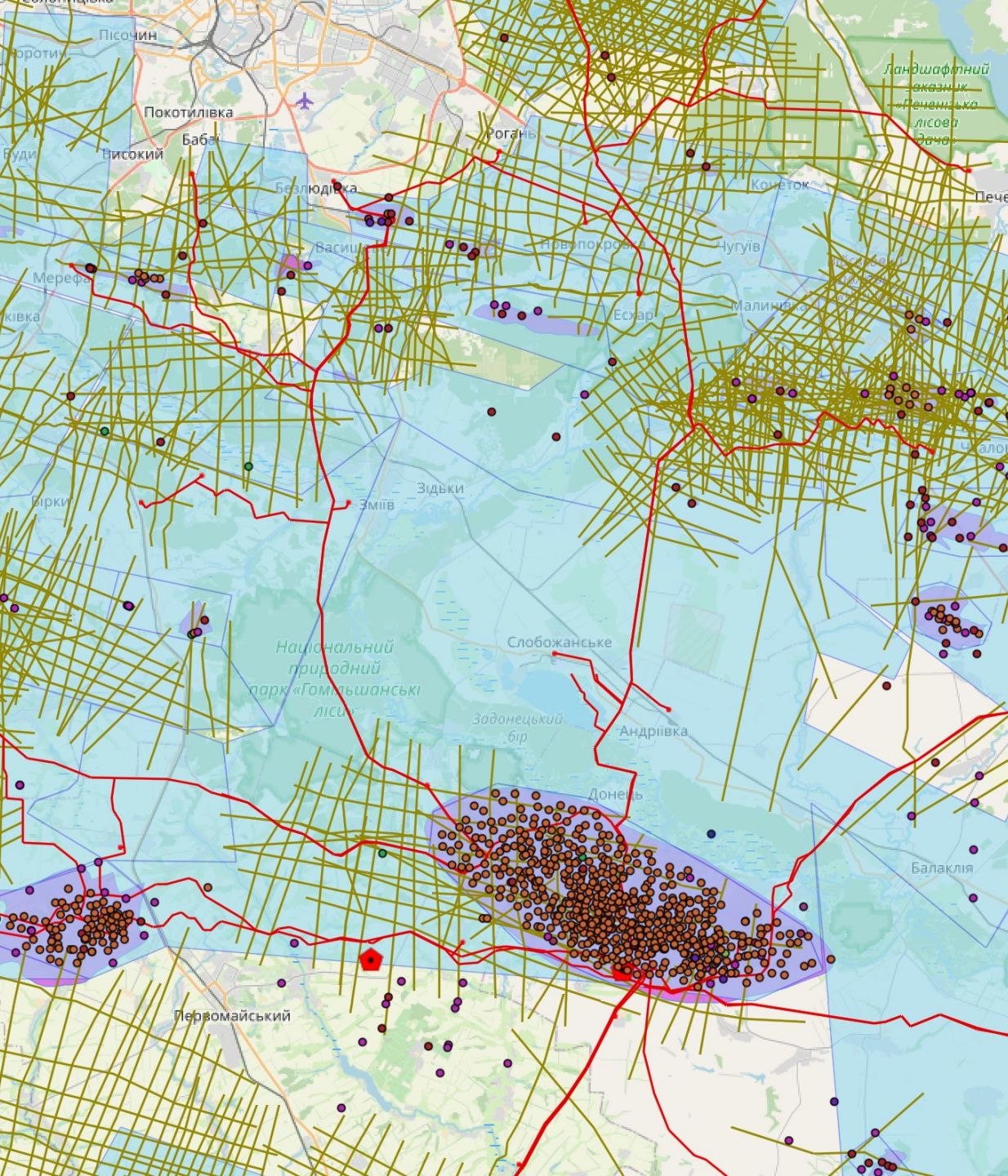


- hydrocarbons
- exploration & production
license, till 2063
- Lviv region,
Ivano-Frankivsk region
- 6300 km²
- contingent resources of
unconventional gas – 3 trillion m³
- «Nadra Oleska» LLC
is a license holder

Open for nomination

Interactive map of hydrocarbons

- Licenses, 569
- Fields, 384
- Wells, 12 thousand
- Seismic profiles, 18 thousand
- Production
- Gas transmission system



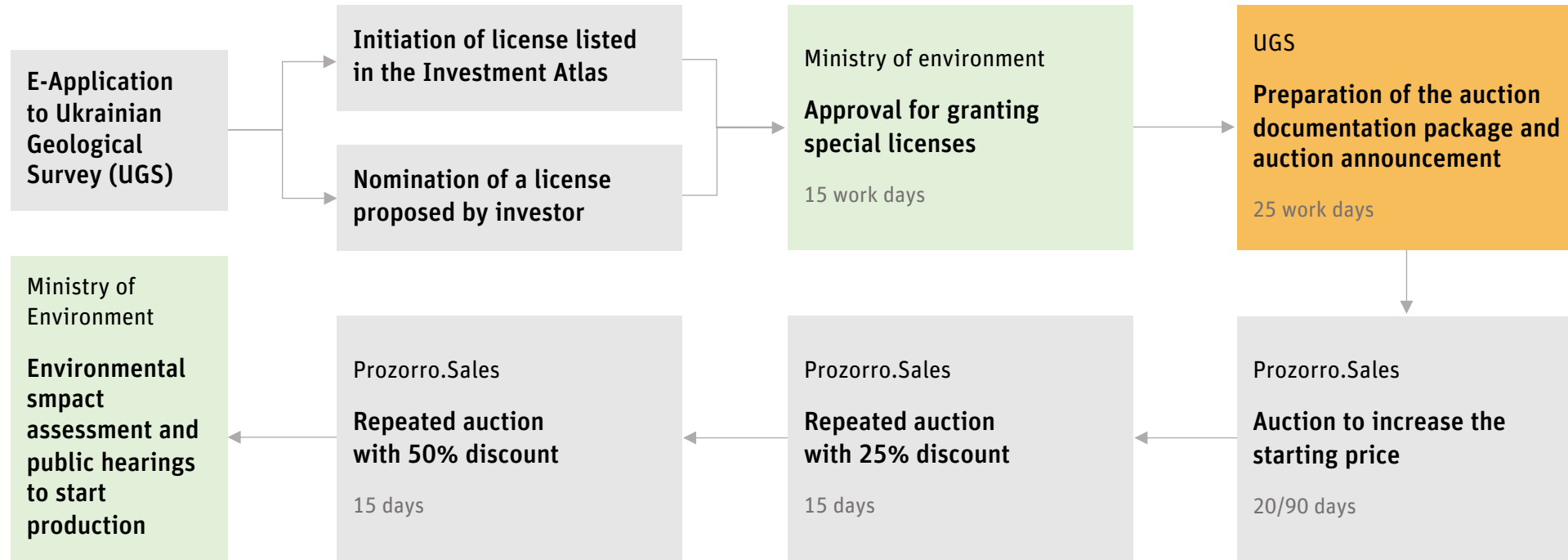
Geologic reports virtual data room

- The database contains descriptions of investment objects, information about land plots within the contours of deposits, as well as geologic reports
- 82 geologic reports consist of 401 books including 3 746 graphic materials



Annexes

Obtaining a Special Permit (License) through E-auction*



Winner:

1. Signs the protocol of auction (up to 6 working days)
2. Pays a fee to the exchange operator
3. An agreement on compensation of state expenses for exploration works is concluded (up to 20 working days)
4. Pays the fee to the state budget, concludes an agreement on terms and conditions of subsoil use, receives a license (up to 30 working days)

* Since March 2023, according to Law No. 4187

Cabinet of Ministers Resolution № 993 dated, September 23, 2020
(amendments as of July 26, 2022, # 836)

Launch of Oil and Gas Large Greenfield Projects

The Government started to boost mid and large-scale projects for the future energy independence of Ukraine

- **Eleven PSAs** for \$440 million signed to explore onshore acreage with over 9000 sq.km
- **Yuzivska PSA** with an acreage of 7800 sq km unlocked, able to provide early production in 2022
- Concession licenses acquired by Naftogaz of Ukraine to explore **offshore blocks** with an area of 30 000 sq km located in the deep and shallow waters of the Black Sea



PSA Projects Implementation

Block	Lisence holder	Location, region	Acreage, km ²	Min. investment commitments, mln	5 years work program	Validity
Balakliyska	 NAFTOGAZ	Kharkiv	1119	\$44,5	750 km ² 3D, 4 wells	2071
Berestyanska	 NAFTOGAZ	Lviv, Kharkiv	286	\$ 20,4	100 km ² 3D, 2 wells	2071
Buzivska	 NAFTOGAZ	Kharkiv, Dnipropetrovsk	670	\$ 24	100 km ² 3D, 2 wells	2071
Varvynska	 ASPECT HOLDINGS, LLC	Chernihiv, Poltava, Sumy	3471	\$41,5	700 km ² 3D, 3 wells	2071
Zinkivska	 DTEK	Poltava, Sumy	571	\$44,56	100 km ² 3D, 3 wells	2071
Ivanivska	 NAFTOGAZ	Kharkiv	842	€44,6	600 km ² 3D, 4 wells	2071
Sofiivska	 GEO ALLIANCE GROUP	Chernihiv, Poltava, Sumy	2716	\$112	750 km ² 3D, 5 wells	2071
Uhnivska	 ZAKHIDNADRA SERVIS	Lviv, Ivano-Frankivsk	967	\$ 56,7	45 km ² 3D, 14 wells	2071
Yuzivska	 NAFTOGAZ	Donetsk, Kharkiv	7886	\$410	500 km ² 3D, 15 wells	2063
Hrunivska	EPH	Poltava, Sumy	1082	\$ 35	300 km ² 3D, 10 wells	2072
Okhtyrska	EPH	Poltava, Sumy, Kharkiv	672	\$ 25	200 km ² 3D, 8 wells	2072
Ichnyanska	 YORK ENERGY HOLDINGS LIMITED	Chernihiv	2086	\$ 38	600 km ² 3D, 4 wells	---
Oleska	 NJSC «Nadra of Ukraine»	Lviv, Ternopil, Ivano-Frankivsk	6324	---	1500 km 2D, 13 wells	2063

**Ukrainian Geological Survey:
Modern Upstream
Regulation**



**Results of oil and gas
exploration works
in Ukraine**

