

BLOCK 26

EAST KOSMATSKA LICENSE

LOCATION

East Kosmatska block is located in Bohorodchany district of Ivano-Frankivsk region. Acreage of the block is 6.91 sq. km.

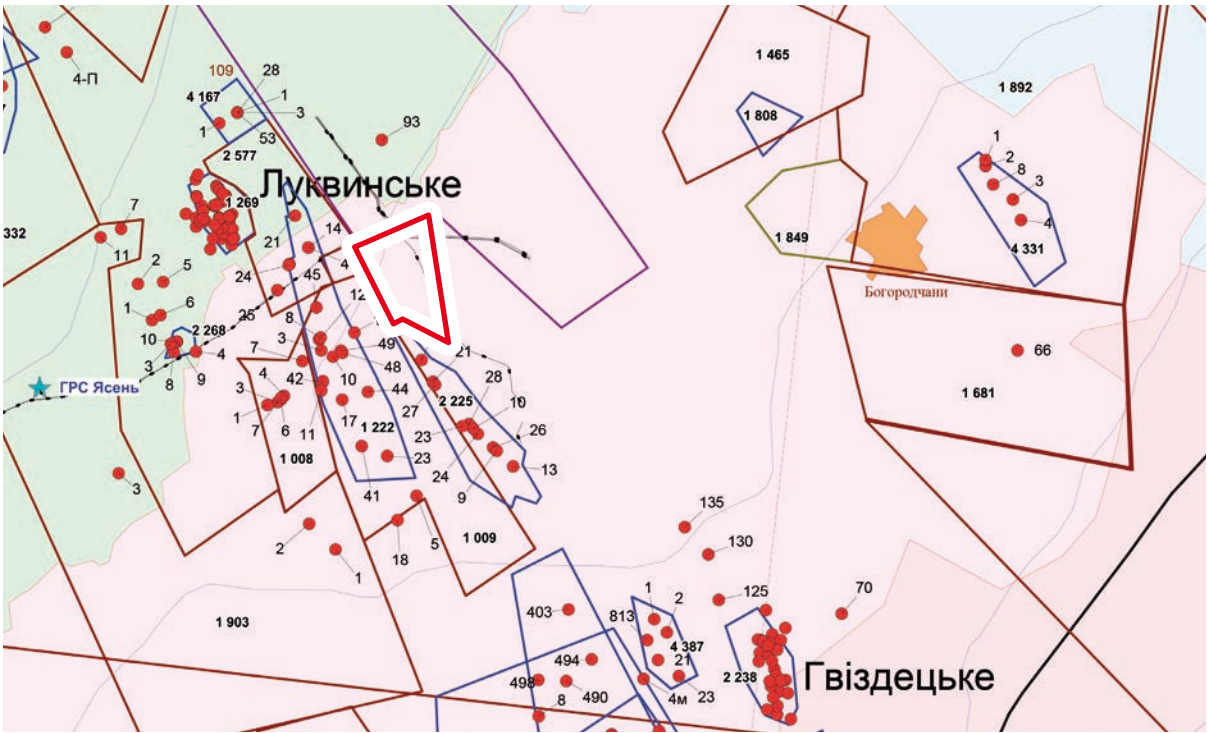
CONCESSION TYPE

Combined license for geological exploration with pilot and commercial development, and production of hydrocarbons. Duration - 20 years.

DEPOSITS DISCOVERED IN THE AREA

Rosilnianske gas condensate deposit and oil-saturated area Kitvan, gas and oil saturated area Dzvynyach.

Map of East Kosmatska block



MAP SYMBOLS

Point Number	USK 2000, E			USK 2000, N			SK-42, E			SK-42, N		
	deg.	min.	sec.	deg.	min.	sec.	deg.	min.	sec.	deg.	min.	sec.
1	24	18	9.11	48	47	27.15	24	18	15.34	48	47	28.19
2	24	18	23.11	48	47	32.15	24	18	29.34	48	47	33.19
3	24	20	0.11	48	48	9.15	24	20	6.34	48	48	10.19
4	24	20	54.12	48	45	59.15	24	21	0.34	48	46	0.19
5	24	19	38.12	48	46	18.14	24	19	44.34	48	46	19.19
6	24	19	24.12	48	46	12.15	24	19	30.34	48	46	13.19

- well
- gas-distribution plant
- gas pipeline
- EAST KOSMATSKA BLOCK

## GEOLOGICAL CHARACTERISTICS

In terms of geotectonics, the block is located within the boundary of the Boryslav-Pokutska zone of the Precarpathian depression. In oil and gas it is in the Nadvirna oil and gas region.

Seismic surveys in East Kosmatska block and in neighboring areas have been carried out in 1957-58, 1968-69, 1973-74, 1976-83. East Kosmatska fold was discovered and mapped during seismic surveys in 1968- in the areas Kitvan-Maydan-Rosilna.

Geological structure of the East Kosmatska block includes Neogene deposits represented by rocks of the Vorotyshchenska and Polyanytska suites, and Paleogene deposits, composed of Oligocene (Menilite suite), Eocene (Bystrytska, Vyhodska and Maniavska suits) and Paleocene (Yamnian suite) deposits. The core of the fold is the sediments of the upper Cretaceous, represented by the Stryan suite.

## SURVEY INFORMATION AVAILABLE

### Assessment of hydrocarbon resources (Ukrainian classification)

Calculated inferred resources of the block, based on the estimated area 5.0 sq.km, and taking into account the density of reserves in neighboring fields - 1061 thousand tons / sq.km are estimated in the amount of 5,305 thousand tons of oil equivalent.

### Well data

Two exploration wells No. 9-Rosilna and No. 4-Rosilna were drilled in 1962-65. Well No. 9- Rosilna demonstrated in Neogene deposits active gas manifestations in the form of discharge of drilling mud up to 4,0 m above the level of the rotor.

### Seismic surveys

Year of surveys	Number of lines	Number of linear km	Fold
1985	2	10,1	6
1988	4	27,1	12
2014	2	8,0	80

## EXPLORATION WORK PROGRAM REQUIREMENTS

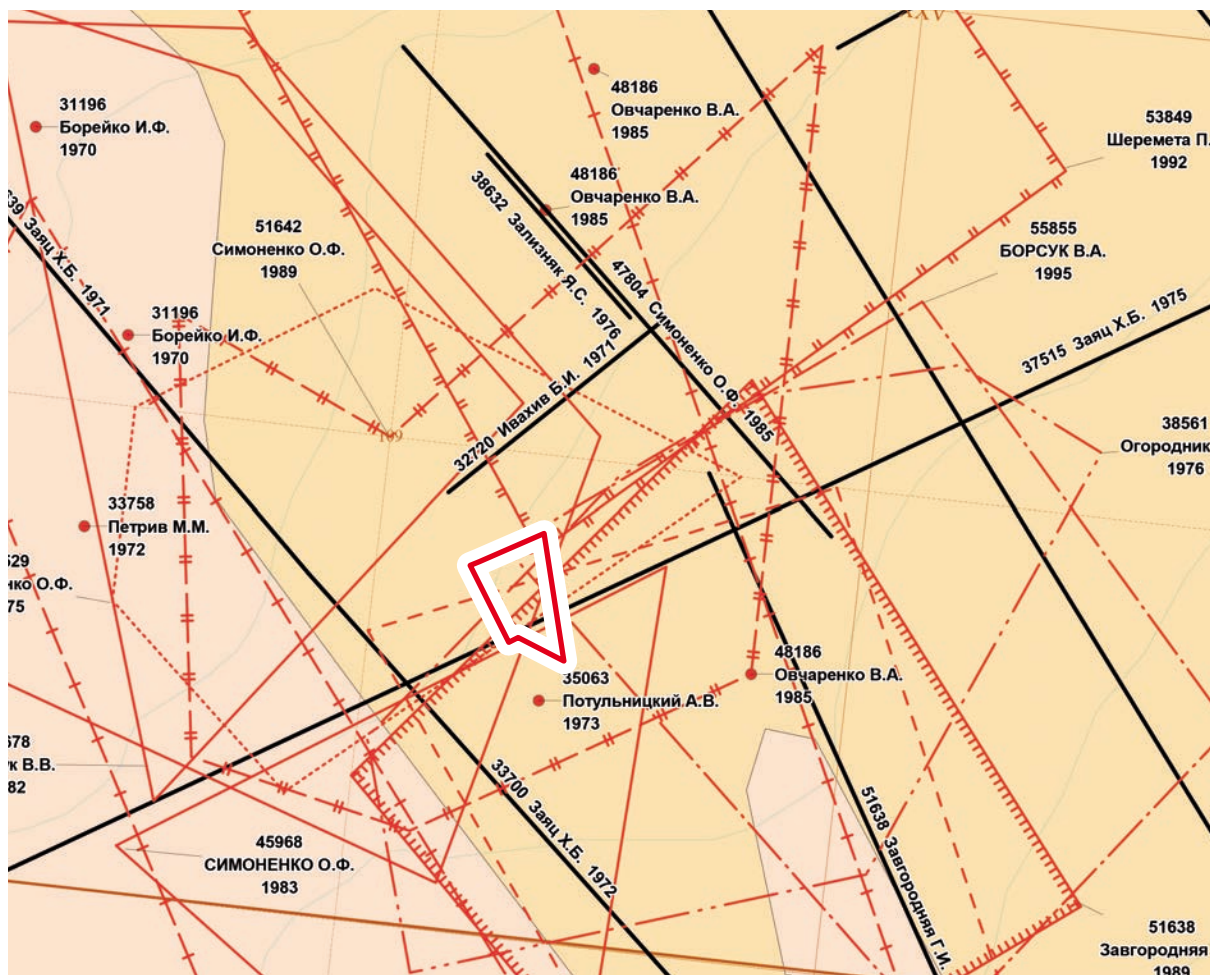
Stage I (12 months) - processing and reinterpretation of 2D seismic data;

Stage II (12 months) – acquisition of 2D or 3D seismic data on ¼ of the block's area;

Stage III (24 months) – one productive well drilling.

## EAST KOSMATSKA LICENSE

### Map of geophysical surveys and seismic lines



## MAP SYMBOLS

- Legend:

  - 1:25 000
  - 1:50 000
  - 1:100 000
  - geophysical survey
  - seismic lines
  - EAST KOSMATSKA BLOCK
  - survey with no mapping
  - 51238 report number
  - Павлюк В.А. author of the report
  - 1988 year of the report