

BLOCK 18

KOKHIVSKA LICENSE

LOCATION

Kokhivska block is located in Pavlohrad, Yuriivka, Petropavlivka districts of Dnipro region and Blyzniuky district of Kharkiv region. Acreage of the block is 346.18 sq. km.

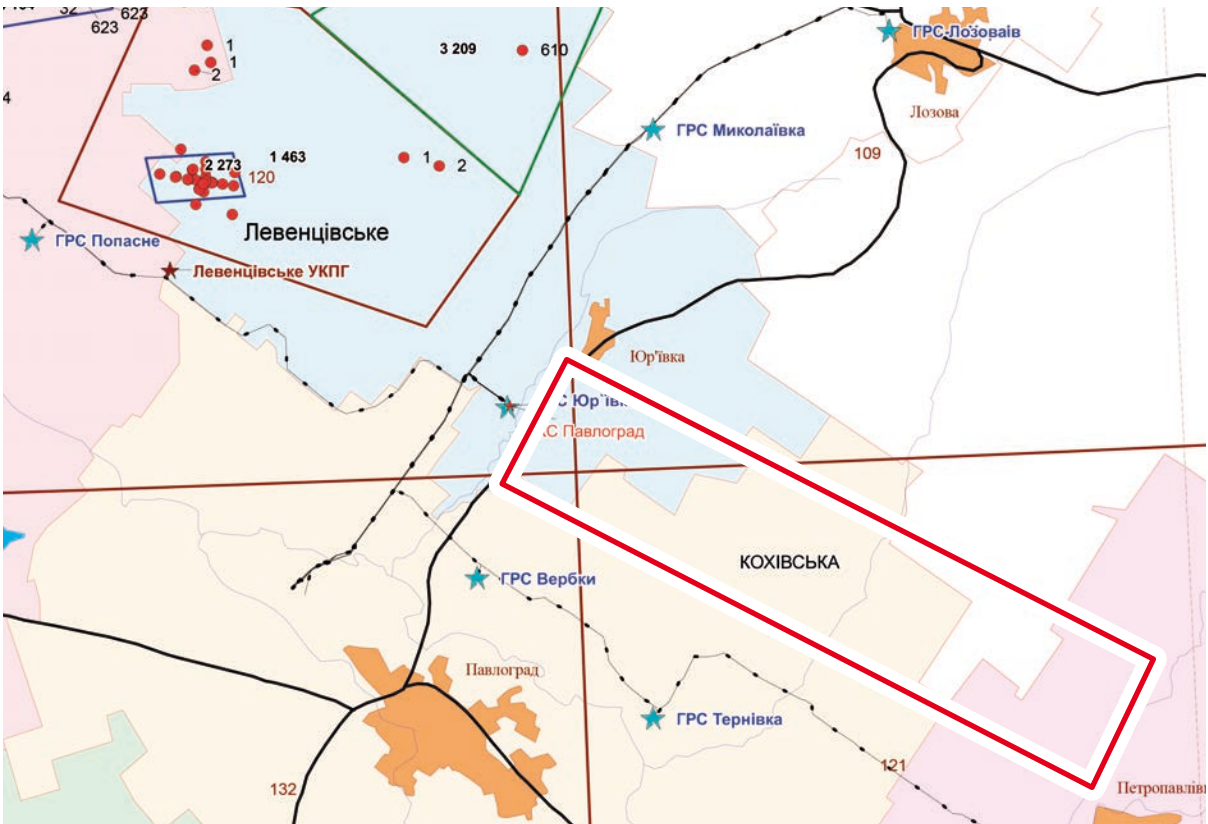
CONCESSION TYPE

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

DEPOSITS DISCOVERED IN THE AREA

Novosilkivske and Holubivske oil and gas fields.

Map of Kokhivska 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	35	59	16.55	48	43	50.90	35	59	22.34	48	43	51.25
2	36	27	32.83	48	33	8.91	36	27	38.58	48	33	9.24
3	36	24	14.03	48	29	0.30	36	24	19.78	48	29	0.64
4	35	55	50.93	48	39	49.73	35	55	56.72	48	39	50.09

- well
- gas-distribution plant
- gas pipeline
- KOKHIVSKA BLOCK

GEOLOGICAL CHARACTERISTICS

In terms of geotectonics, the block in the south-east belongs to the Samarian-Vovchansk nose of the southern flank of the Dnipro Donets Basin.

Within the block, the Kochivska and Novodachynska structures are explored by seismic surveys in Lower Carboniferous deposits. The latter is morphologically similar to Kohhivska and differs from it with less amplitude of discordant fault.

The geotectonic similarity of the Novodachynska structure to the Samarian-Vovchansk nose of the Novomoskovsk-Petropavlivska monocline assumes the probability of developing within it a wide range of trap rocks, which are typical to the Krutoyarivska structural and tectonic zone of the southern flank of the Dnipro Donets Basin.

The geological structure of the block is represented by the rocks of the Precambrian to the Cenozoic ages.

SURVEY INFORMATION AVAILABLE

Assessment of hydrocarbon resources (Ukrainian classification)

The Novodachynska structure includes undiscovered inferred resources (D1 category) of the natural gas in the amount of 430 million m³ in the Lower Visean stage of the Carboniferous.

Well data

There was no drilling at the block..

Seismic surveys

Year of surveys	Number of lines	Number of linear km	Fold
1990	19	234,53	24
1993	6	42,79	24
1994	11	142,38	24
1995	4	49,52	24
1998	1	9,0	24
1999	9	60,35	24
2002	1	7,8	24

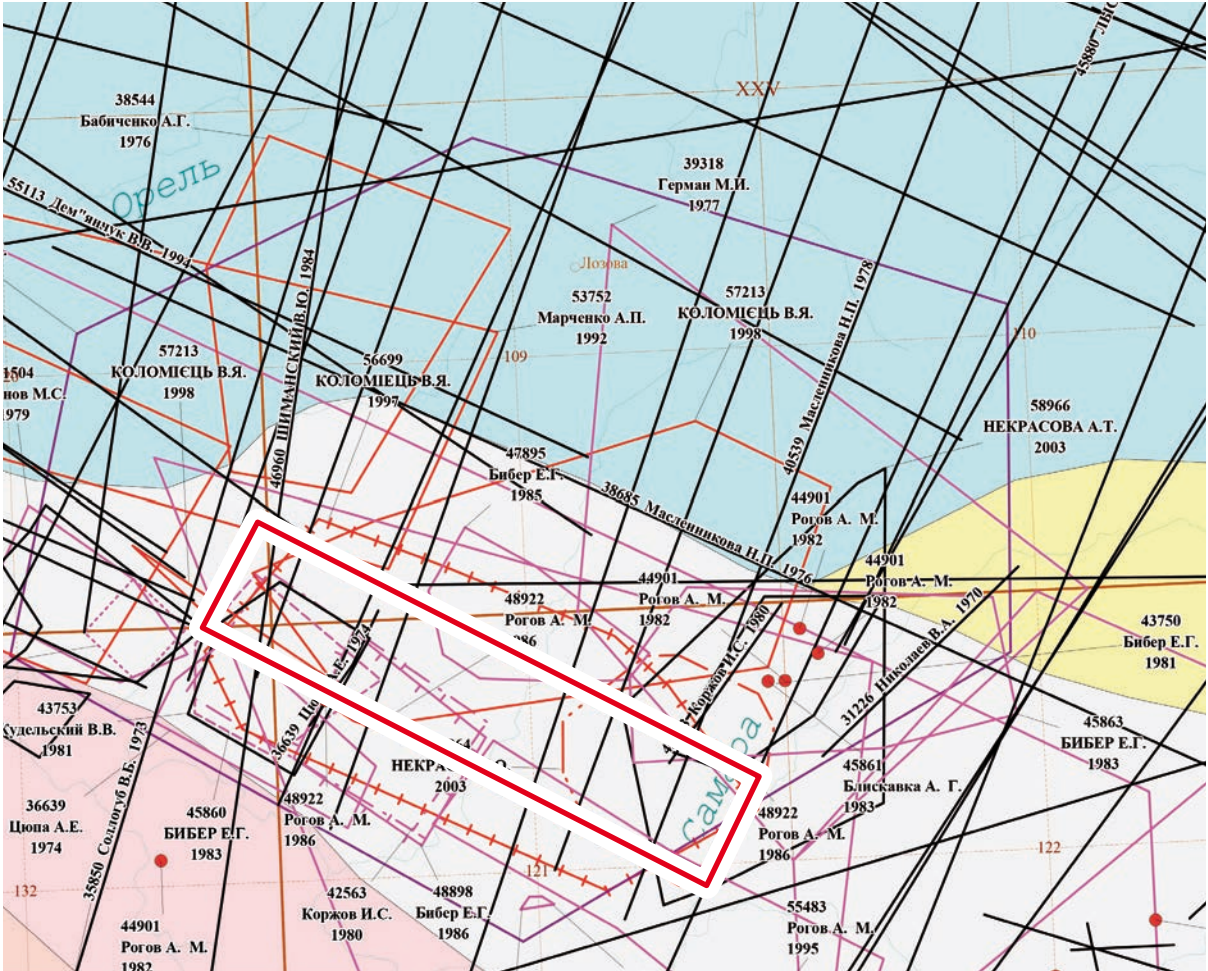
EXPLORATION WORK PROGRAM REQUIREMENTS

- 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.

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Map of geophysical surveys and seismic lines



MAP SYMBOLS

1:25 000

1:50 000

1:100 000

geophysical survey

seismic lines

KOKHIVSKA BLOCK

survey with no mapping

45860 report number

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1982 year of the report