

BLOCK 12

DOBRENSKA LICENSE

LOCATION

Dobrenska block is located in Krasnohrad district of Kharkiv region. Acreage of the block is 122.23 sq.km.

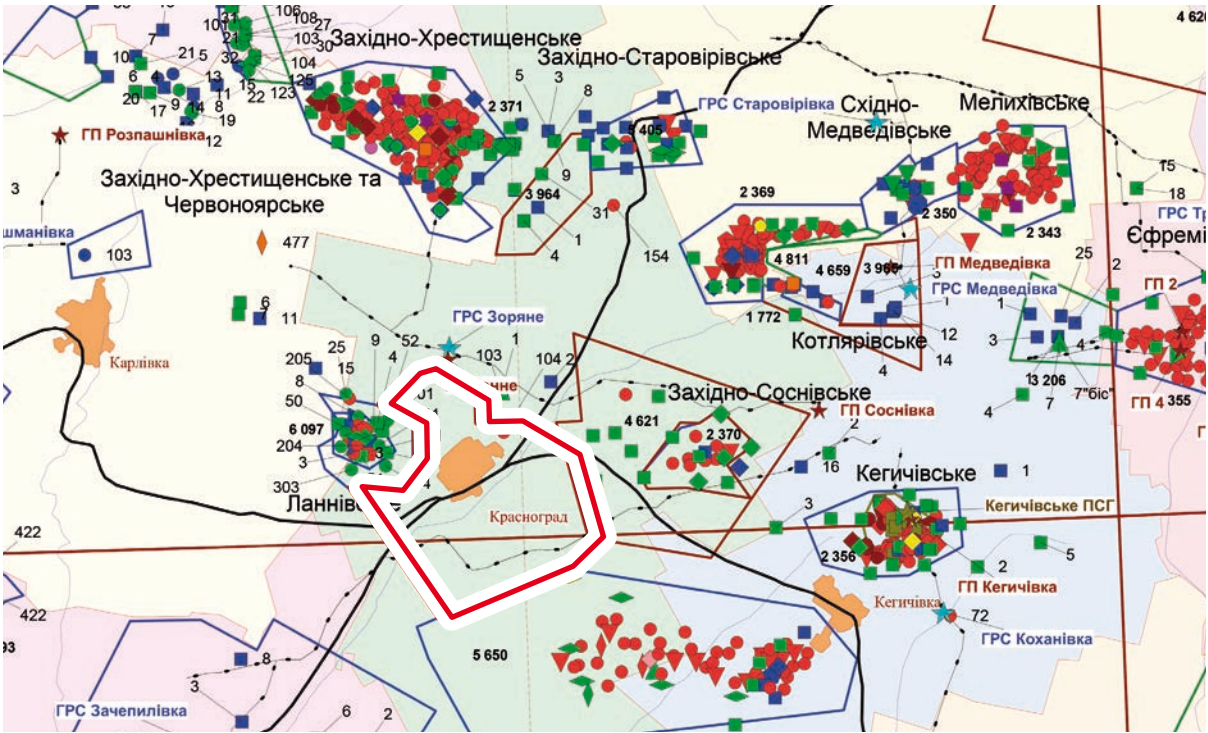
CONCESSION TYPE

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

DEPOSITS DISCOVERED IN THE AREA

Lannivske, Kobzivske West-Sosnivske gas condensate fields.

Map of Dobrenska 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	25	6.28	49	25	37.06	35	25	12.20	49	25	37.40
2	35	27	42.42	49	24	31.62	35	27	48.33	49	24	31.96
3	35	27	42.42	49	23	49.73	35	27	48.33	49	23	50.07
4	35	29	23.61	49	23	48.82	35	29	29.52	49	23	49.16
5	35	32	11.83	49	22	39.32	35	32	17.74	49	22	39.66
6	35	33	14.43	49	19	55.73	35	33	20.34	49	19	56.07
7	35	31	40.43	49	18	59.73	35	31	46.33	49	19	0.07
8	35	25	30.75	49	17	26.99	35	25	36.65	49	17	27.34
9	35	21	12.42	49	21	49.72	35	21	18.34	49	21	50.07
10	35	23	15.42	49	21	39.72	35	23	21.34	49	21	40.07
11	35	24	31.42	49	22	40.73	35	24	37.34	49	22	41.07
12	35	24	33.42	49	23	50.73	35	24	39.33	49	23	51.07
13	35	22	47.42	49	24	31.73	35	22	53.34	49	24	32.07
14	35	24	18.30	49	25	29.12	35	24	24.22	49	25	29.47

- well
- gas-distribution plant
- gas pipeline
- DOBRENSKA BLOCK

GEOLOGICAL CHARACTERISTICS

Dobrenska block is located in the central, the most submerged part of the Dnipro-Donets Basin and belongs to the Mashivka and Shebelynka petroleum regions. The depth of the basement embed within the block is 11.0-13.5 km. Dobrenska structure is located in the south-eastern part of the block.

In the north-western part, Dobrenska block is determined far-off plunge of the Lannivska structure. The Lannivska structure is a brachyanticlinal fold of the south-eastern strike, the western part of which is complicated by the Verhnyolannivsky salt stock.

Dobrenska and Lannivska structures are separated by a deep upfold. In the northern and eastern parts of Dobrenska block are developed South-Verbivsky and South-Sosnivsky downfolds.

SURVEY INFORMATION AVAILABLE

Assessment of hydrocarbon resources (Ukrainian classification)

Not estimated.

Well data

In the eastern part of Dobrenska block, appraisal well No. 632 has been drilled, which was stopped at a depth of 4500 meters in the Cartamishean deposits of Permian (upper Carboniferous).

Seismic surveys

Dobrenska block was not explored deliberately by geological exploration. At the boundary of the block, along its perimeter come the ends of lines, performed in the 1970's and 90's and aimed at studying areas in the vicinity.

Seismic surveys

Year of surveys	Number of lines	Number of linear km	Fold
1977	4	50,3	12-24
1984	2	27,0	12-24

EXPLORATION WORK PROGRAM REQUIREMENTS

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

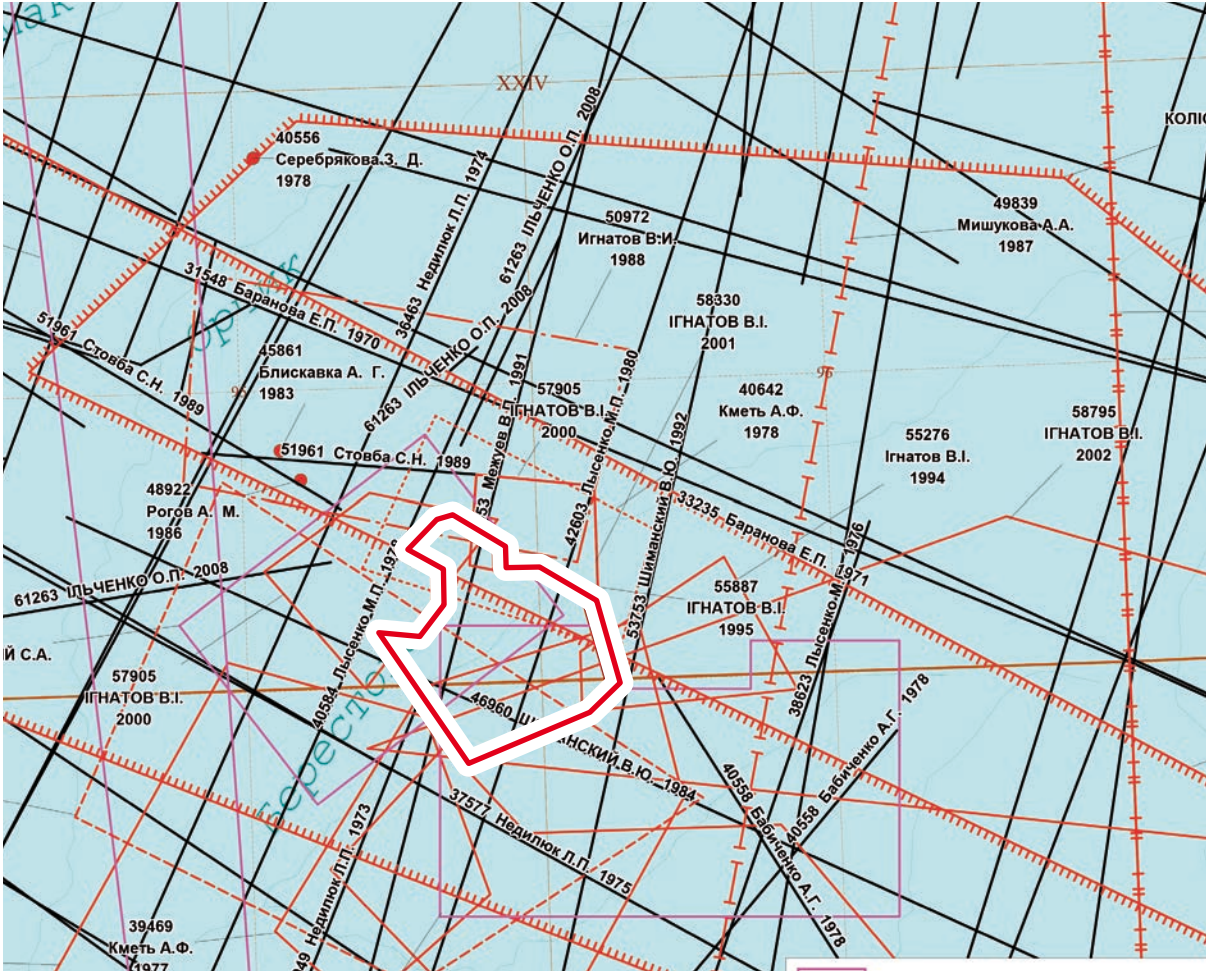
Stage II (12 months) – acquisition of 2D or 3D seismic data on 1/4 of the block's area;

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

DOBRENSKA BLOCK

survey with no mapping

45860

report number

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author of the report

1982

year of the report