

BLOCK 11

NORTH EFREMOVSKA LICENSE

LOCATION

North-Efremivska block is located at the intersection of Zmiyiv, Pervomaysk and Nova Vodolaha districts of Kharkiv region. Acreage of the block is 99.51 sq.km.

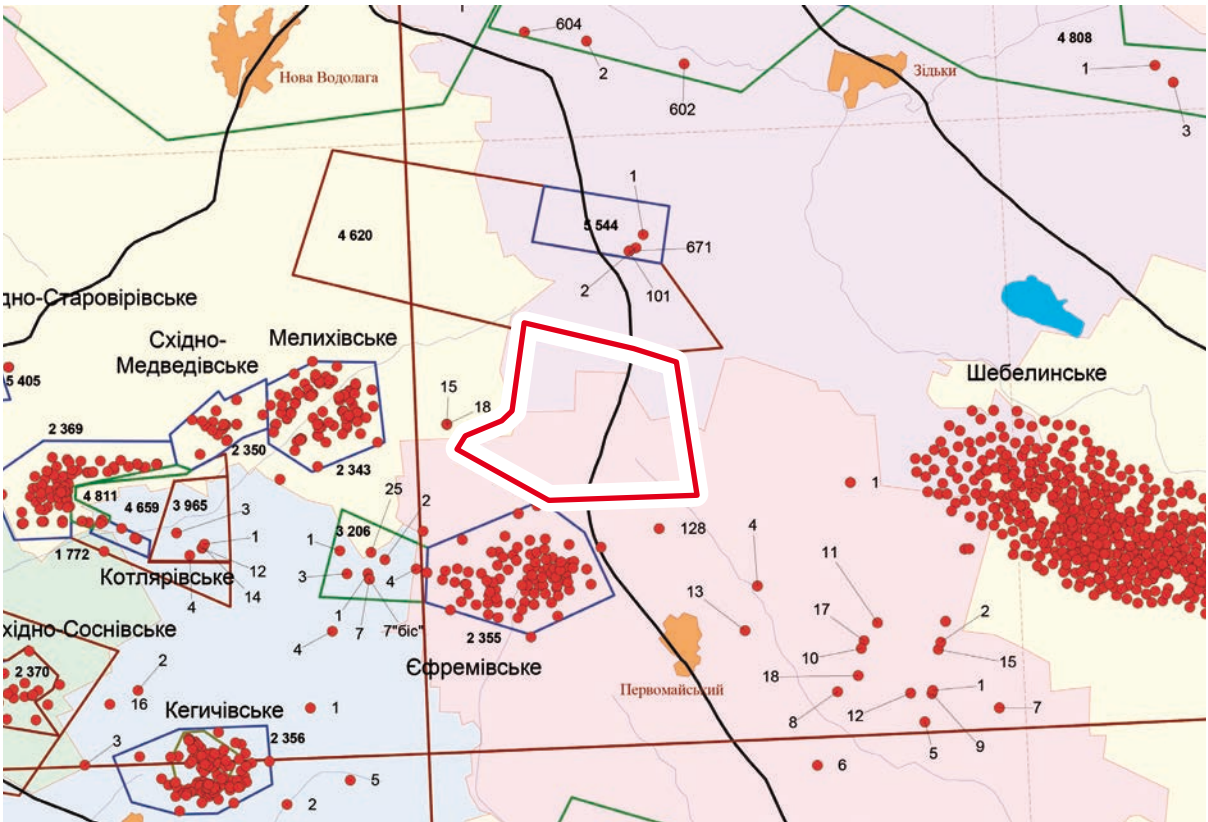
CONCESSION TYPE

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

DEPOSITS DISCOVERED IN THE AREA

Bezpalivske, Shurinske, Shebelynske, Efremivske, Melykhivske fields.

Map of North Efremivska 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	36	5	24.89	49	33	43.55	36	5	30.79	49	33	43.84
2	36	10	42.44	49	32	45.77	36	10	48.34	49	32	46.06
3	36	12	46.03	49	32	16.48	36	12	51.93	49	32	16.77
4	36	13	29.53	49	28	0.47	36	13	35.42	49	28	0.77
5	36	6	15.42	49	28	2.54	36	6	21.32	49	28	2.84
6	36	1	52.82	49	29	46.99	36	1	58.72	49	29	47.30
7	36	2	19.28	49	30	12.05	36	2	25.19	49	30	12.36
8	36	4	7.68	49	30	38.07	36	4	13.58	49	30	38.37
9	36	4	38.93	49	30	56.27	36	4	44.83	49	30	56.57

- well
- gas-distribution plant
- gas pipeline
- NORTH EFREMOVSKA BLOCK

GEOLOGICAL CHARACTERISTICS

In terms of oil and gas, North-Efremivska block belongs to Mashivka and Shebelynka petroleum province. In terms of tectonics, the block is located in the northern cutoff part of the Dnipro-Donets graben. The depth of the bedding of the basement within the block is 15-17 km.

SURVEY INFORMATION AVAILABLE

Assessment of hydrocarbon resources (Ukrainian classification)
not estimated.

Well data
No wells have been drilled at the area of the block.

Seismic surveys
The main seismic surveys of North Efremivska block have been done by common depth point method in 1981-83, by team 37/81. The regional CDP profile Leventsovka-Bezlyudivka crosses the block from the southwest to the northeast.

Seismic surveys

Year of surveys	Number of lines	Number of linear km	Fold
1981	11	221,2	12-24
1983	1	9,0	12

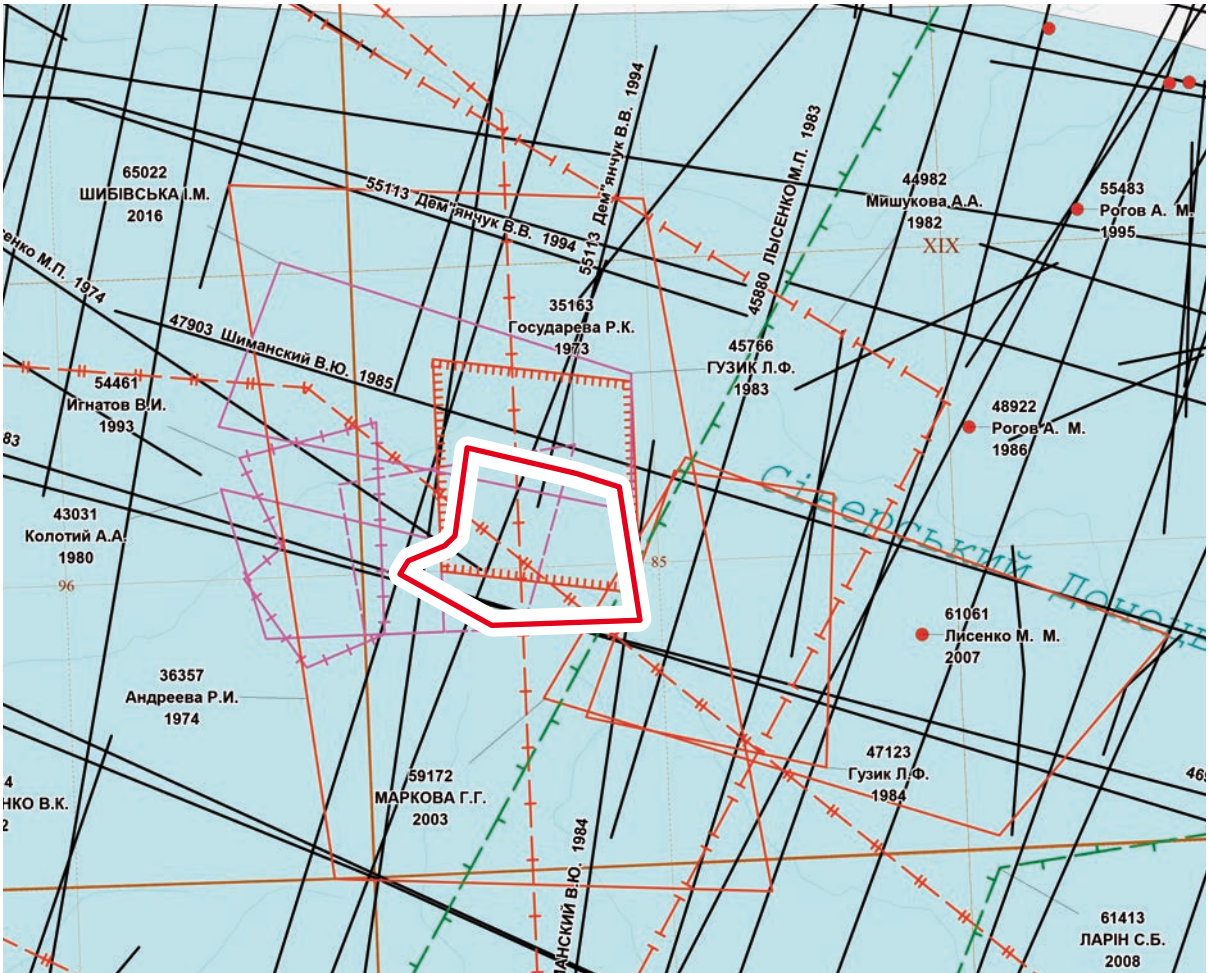
EXPLORATION WORK PROGRAM
REQUIREMENTS

- 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
- NORTH EFREMIIVSKA BLOCK
- survey with no mapping
- 45860

report number
- Рогов А.М.

author of the report
- 1982

year of the report