

BLOCK 22

HOSHIVSKA LICENSE

LOCATION

Hoshivska block is located in the territory of Bolekhiv city and Dolyna district of Ivano-Frankivsk region. Acreage of the block is 49.01 sq. km.

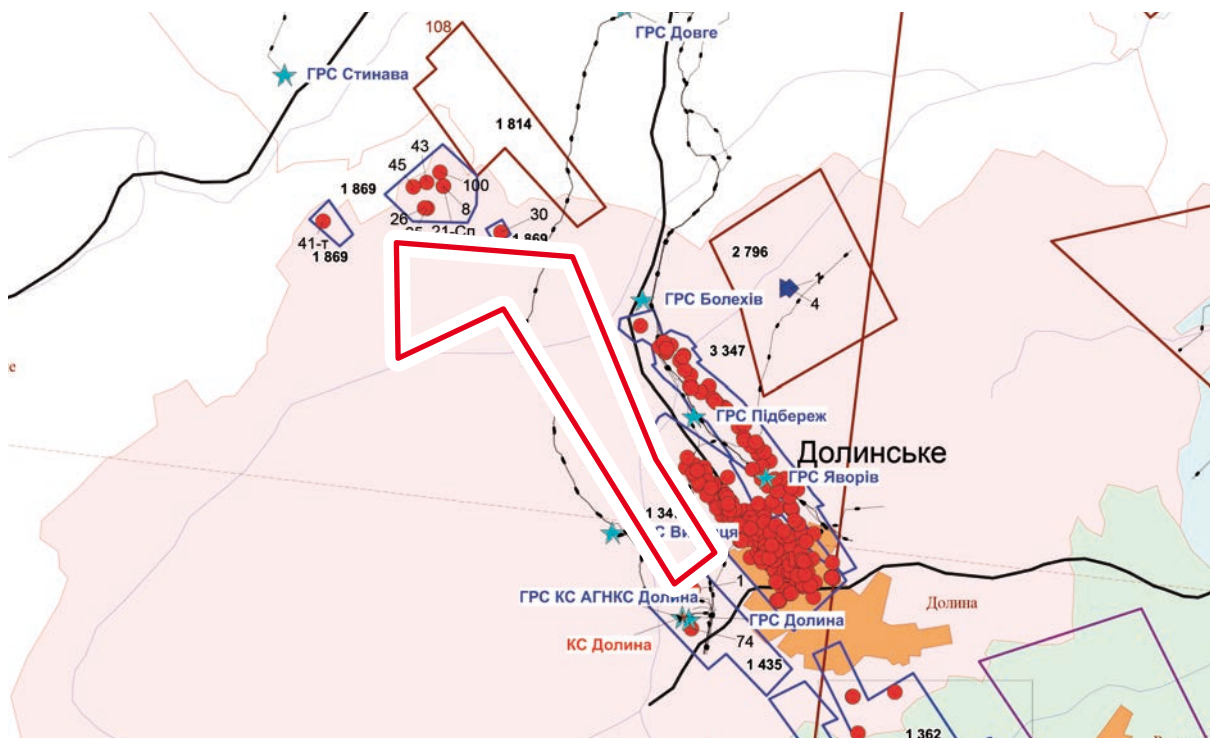
CONCESSION TYPE

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

DEPOSITS DISCOVERED IN THE AREA

North Dolynske, Tanyavske, Vygodo-Vytyvske fields.

Map of Hoshivska 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	23	44	46.07	49	2	52.13	23	44	52.35	49	2	53.20
2	23	44	15.07	49	5	19.13	23	44	21.35	49	5	20.20
3	23	49	56.07	49	5	28.14	23	50	2.35	49	5	29.20
4	23	53	23.08	49	1	23.13	23	53	29.35	49	1	24.20
5	23	55	38.08	48	59	33.14	23	55	44.35	48	59	34.20
6	23	54	28.08	48	58	47.13	23	54	34.34	48	58	48.20
7	23	50	11.07	49	2	20.13	23	50	17.35	49	2	21.20
8	23	47	56.07	49	4	11.13	23	48	2.35	49	4	12.20

- well
- gas-distribution plant
- gas pipeline
- HOSHIVSKA BLOCK

GEOLOGICAL CHARACTERISTICS

Hoshivska license is located on the Dolynske anticline. Within its limits, according to the deep drilling, three blocks are determined (from northwest to southeast): South-Dolynsky, Hoshivsky and Kropyvnytsky. Dimensions of the Hoshivsky fault together with the South-Dolynsky block on the Upper Menilithian sediments are: length - 16.0 km, width - 2.7 km.

Commercial oil and gas content of Hoshivska block is associated with the Menilite and Eocene deposits. In Menilite deposits productive are Middle and Lower Menilite sub-suits, which contain oil. Eocene deposits contain oil reservoirs with a gas cap.

SURVEY INFORMATION AVAILABLE

Assessment of hydrocarbon resources (Ukrainian classification)

Undiscovered inferred resources (category C3+D) are 50-100 thousand tons of oil equivalent per sq.km.

Well data

The block was partially explored in the process of drilling exploration and pioneer wells: No. 6, 68, 70, 76, 81-Vygoda-Vytvitsa.

A non-commercial oil yield was obtained during drilling well No.76-BB in upper Menilite deposits. Exploitation of the well No. 81-VV during 2004-2014, which was drilled at the Hoshivsky block, proved promising (economic and technological) oil production from this block. Therefore, it is possible to expect the same, or better, results in the restoration of other wells that discovered the oil-saturated intervals of the Hoshivsky block.

Seismic surveys

Year of surveys	Number of lines	Number of linear km	Fold
1985	8	51,29	12
1986	1	13,9	12
1988	1	5,5	12
1986	1	3,0	12
1989	4	31,6	12
1991	2	11,65	12
1994	2	12,5	24
2015	3	13	24

EXPLORATION WORK PROGRAM REQUIREMENTS

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

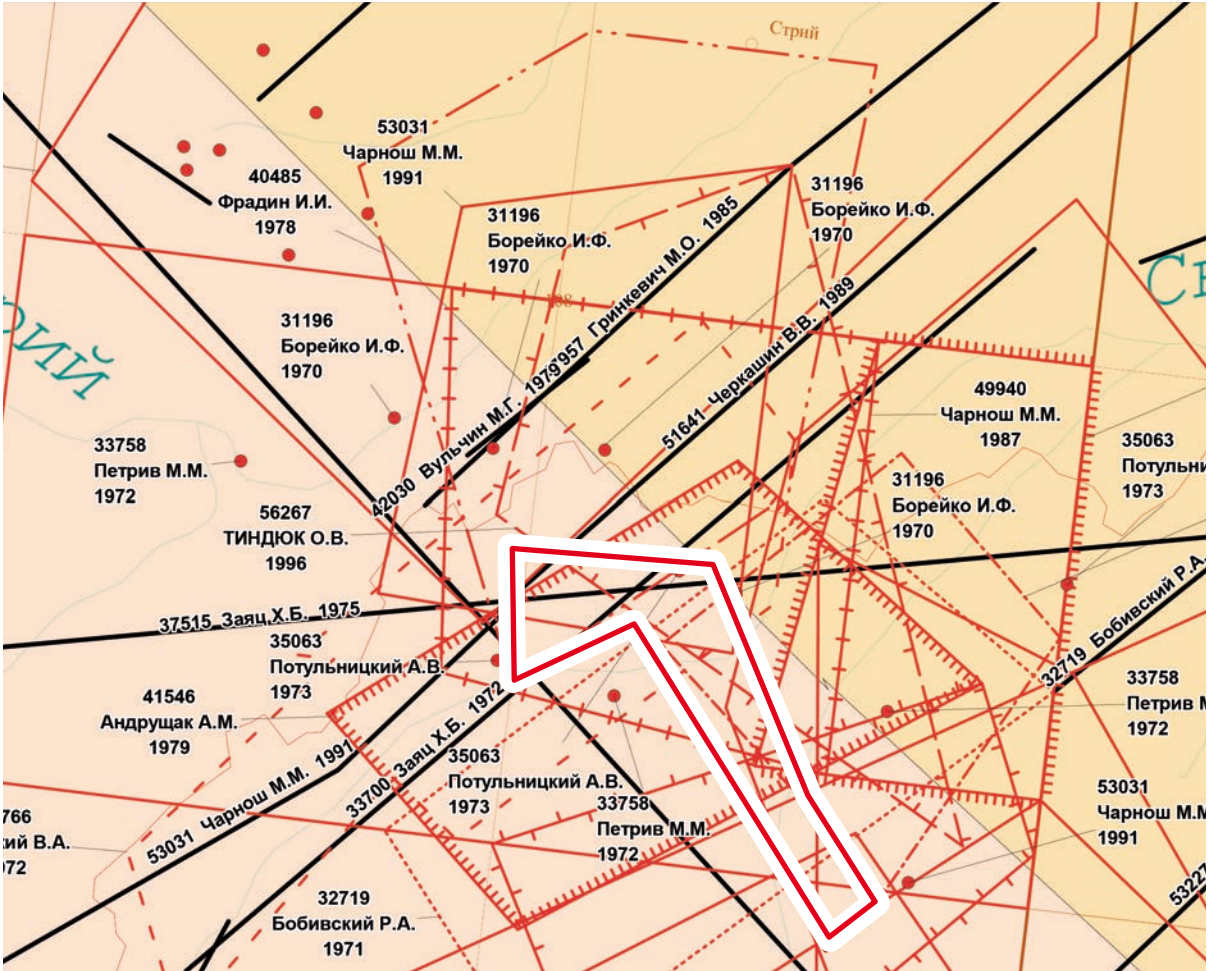
Stage II (12 months) – acquisition of 2D or 3D seismic data on ¼ of the block's area;

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
- HOSHIVSKA BLOCK

survey with no mapping
- 51238

report number

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author of the report

1988

year of the report