

BLOCK 9

ZAKHIDNOTOKARSKO-KRASNIANSKA
LICENSE

LOCATION

Zakhidnotokarsko-Krasnianska block is located in Svatove district of Luhansk region, 2 km west of Svatove district center. The area of the block is 91,06 km².

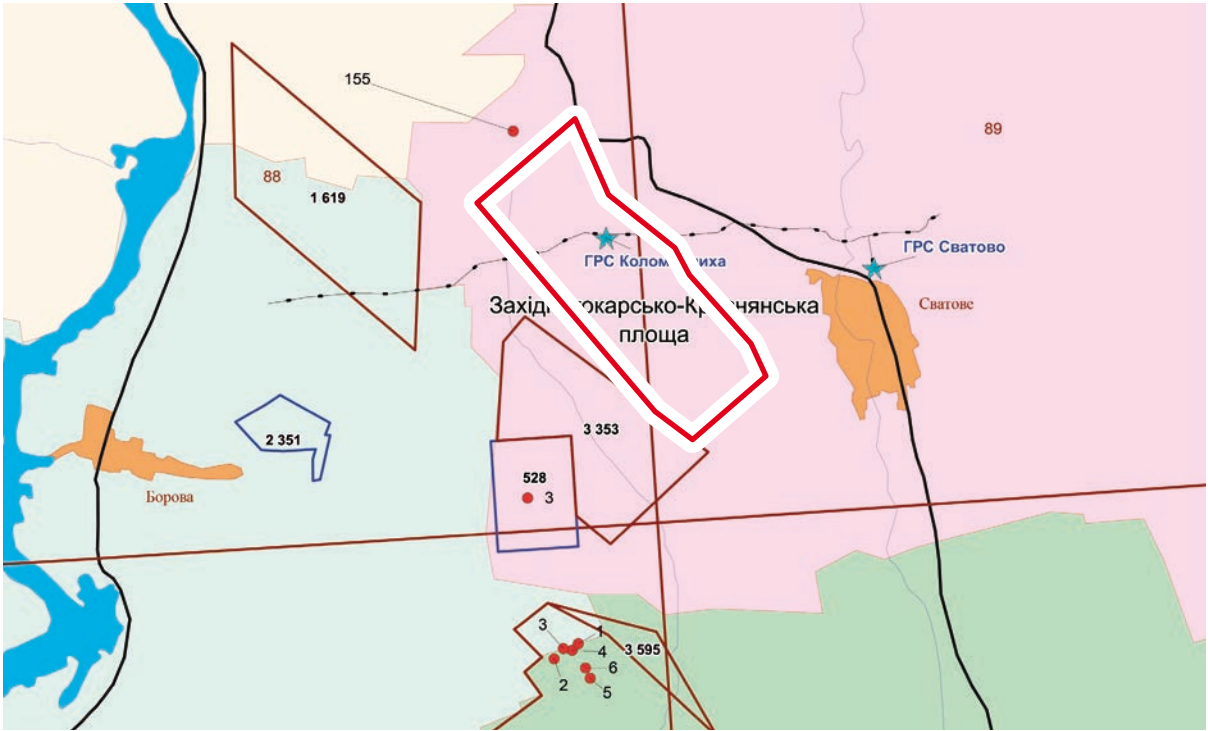
CONCESSION
TYPE

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

DEPOSITS DISCOVERED
IN THE AREA

Druzhelyubivske and Zaytsevske hydrocarbons fields.

Map of Zakhidnotokarsko-Krasnianska 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	37	53	16.52	49	28	54.85	37	53	22.33	49	28	55.04
2	37	57	32.52	49	30	59.86	37	57	38.33	49	31	0.05
3	37	58	42.53	49	28	53.86	37	58	48.33	49	28	54.05
4	38	1	17.53	49	27	21.86	38	1	23.33	49	27	22.04
5	38	1	48.54	49	26	36.86	38	1	54.33	49	26	37.04
6	38	4	9.54	49	24	39.86	38	4	15.32	49	24	40.04
7	38	4	40.54	49	23	45.85	38	4	46.32	49	23	46.04
8	38	1	29.54	49	22	11.85	38	1	35.33	49	22	12.04
9	38	0	1.54	49	23	0.85	38	0	7.32	49	23	1.04
10	37	53	16.52	49	28	54.85	37	53	22.33	49	28	55.04

- well
- gas-distribution plant
- gas pipeline
- ZAKHIDNOTOKARSKO-KRASNIANSKA BLOCK

GEOLOGICAL CHARACTERISTICS

The block covers the area of the northern edge and the cut-off part of the Dnipro-Donets basin. The edge of these structural and tectonic elements is the northern fault. To the south of the edge faulting, the crystalline basement gradually submerges to the centre of the depression in the system of faults of the northwest strike. Depth of the basement bedding is 2.5-3.2 km.

SURVEY INFORMATION AVAILABLE

The number of structures within the Zakhidnotokarsko-Krasnianska block was discovered in the Upper Visean Stage due to the performance of the seismic by the state enterprise Ukrgeofizyka during 1980-1982. The traprocks of oil and gas accumulation in the structure in the Moscovian Stage are observed on the horizons M-2, M-3, M-5, M-6; in the Bashkirian Stage they are discovered on the horizons B-2, B-3, B-4.

Assessment of hydrocarbon resources (Ukrainian classification)

The inferred natural gas resources are estimated at 900 million m³.

Well data

The geological structure of the Zakhidnotokarsko-Krasnianska block includes rocks of the crystalline basement, which are discovered by the extension wells Kolomyychikinska-1, Nezhurinska-1 and Nezhurinska-2, at depths, respectively, 2418 m, 2463 m, 3150 m, and are represented by breccia and cracked granite gneisses.

Seismic surveys

Year of surveys	Number of lines	Number of linear km	Fold
1979	7	72,63	12
1980	16	133,6	12
1981	17	90,94	12
1988	2	20,7	24
1990	3	31,5	24
1991	2	16,4	24
1994	3	30,7	24
1995	2	14,7	24
1996	2	17	24
2000	11	100,77	30-45
2002	2	16,95	24

EXPLORATION WORK PROGRAM REQUIREMENTS

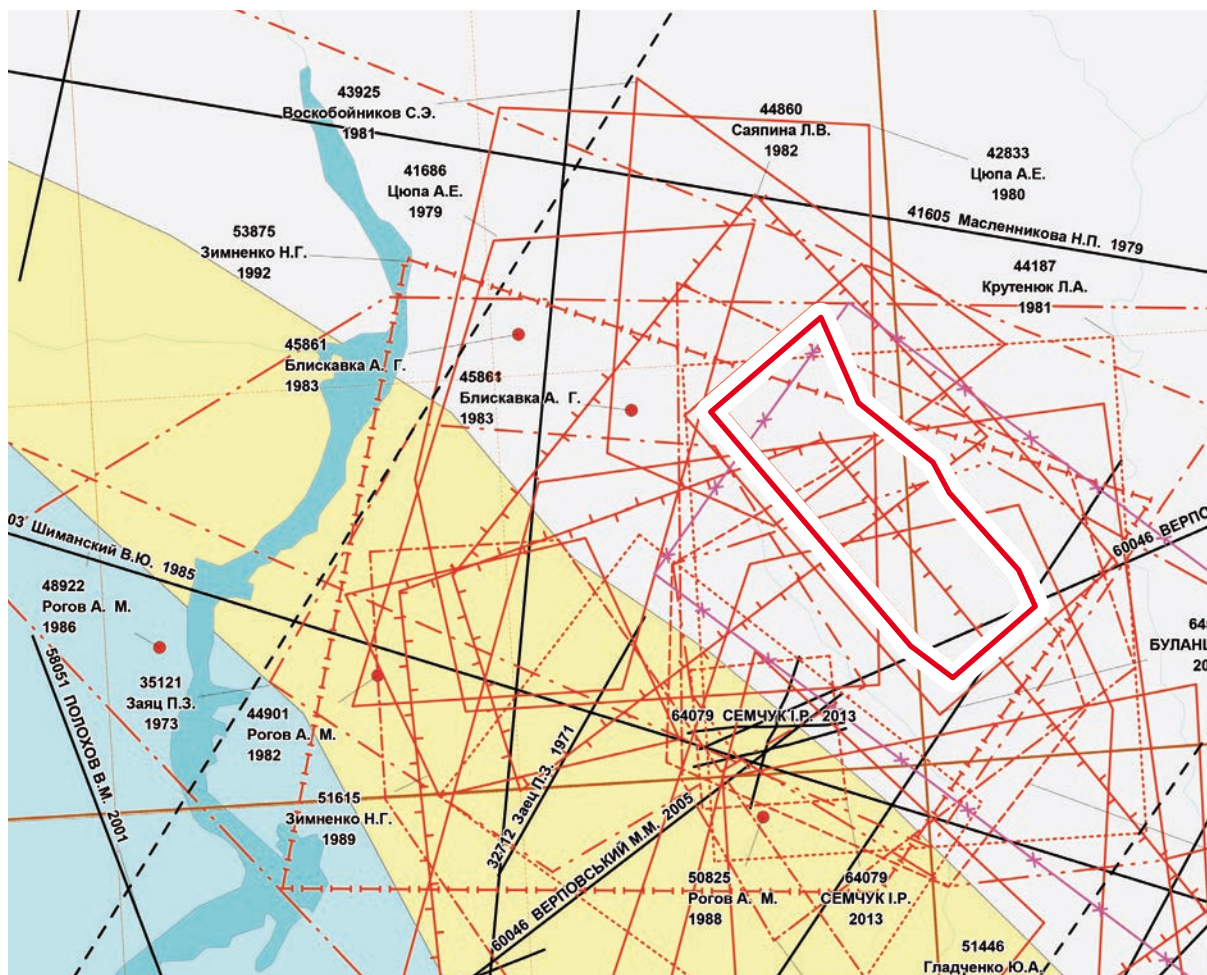
Stage I (12 months) - processing and reinterpretation of 2D seismic data

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

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- ZAKHIDNOTOKARSKO-KRASNIANSKA BLOCK

- survey with no mapping

- 45860 report number

- Рогов А.М.** author of the report

- 1982 year of the report