

BLOCK 3

SVITANKOVO-LOHIVSKA

LICENSE

LOCATION

Svitankovo-Lohivska block is located in the Chuhuiv, Zmiiv, and Kharkiv districts of Kharkiv region. The total area of the block is 197,49 km².

CONCESSION

TYPE

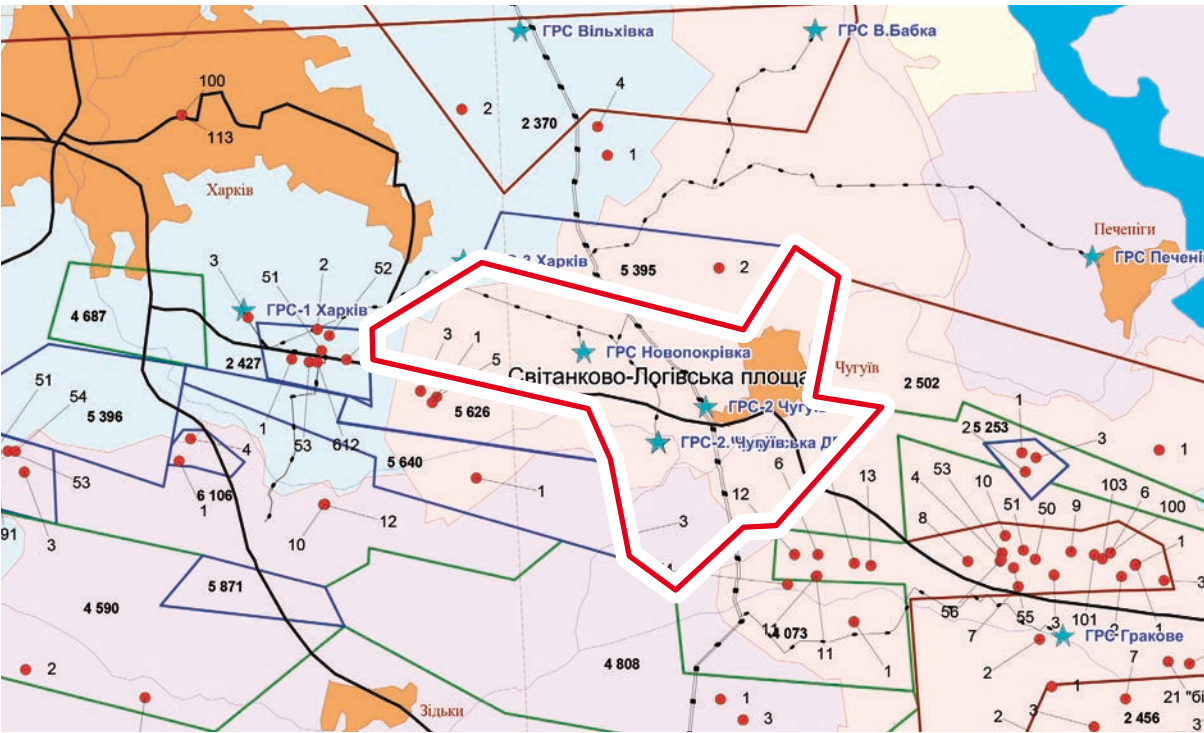
Combined license for geological exploration with pilot and commercial development, and production of hydrocarbons. Duration - 20 years.

DEPOSITS DISCOVERED

IN THE AREA

Yulievske, Karavanivske, Bezlyudivske, Vasyzhivske, Denysivske, and Pivnichno-Korobochkynske hydrocarbons fields.

Map of Svitanovo-Lohivska 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	42	4.42	49	53	29.82	36	42	10.34	49	53	30.06
2	36	43	50.42	49	52	38.82	36	43	56.34	49	52	39.06
3	36	42	36.43	49	49	25.81	36	42	42.34	49	49	26.06
4	36	45	22.43	49	49	2.81	36	45	28.34	49	49	3.06
5	36	40	42.43	49	45	58.81	36	40	48.34	49	45	59.06
6	36	39	20.43	49	45	58.81	36	39	26.34	49	45	59.06
7	36	36	22.44	49	44	21.80	36	36	28.34	49	44	22.06
8	36	34	30.43	49	45	20.80	36	34	36.34	49	45	21.06
9	36	33	54.43	49	47	59.80	36	34	0.34	49	48	0.06
10	36	33	4.42	49	49	23.80	36	33	10.34	49	49	24.06
11	36	24	10.41	49	50	59.80	36	24	16.34	49	51	0.06
12	36	24	11.41	49	51	49.80	36	24	17.34	49	51	50.06
13	36	28	54.41	49	53	29.81	36	29	0.34	49	53	30.06
14	36	39	44.42	49	51	19.81	36	39	50.34	49	51	20.06
15	36	42	4.42	49	53	29.82	36	42	10.34	49	53	30.06

- well
- gas-distribution plant
- gas pipeline
- SVITANKOVO-LOHIVSKA BLOCK

GEOLOGICAL CHARACTERISTICS

The Svitanovo-Lohivska block belongs to the Yulivsko-Bezludivska structural and tectonic zone and it is located within the central part of the northern edge of the Dnipro-Donets basin. There are Khmarivska, Svitanova and Lohivska structures within the block, which have been explored in the past.

SURVEY INFORMATION AVAILABLE

The Khmarivska structure was discovered in 1980 in the Lower Carboniferous deposits on reflecting horizon Vb3-n. Exploration license No. 2826 for the Khmarivsk structure belonged to JSC Plast from 2006 to 2016.

The Svitanova structure was discovered due to carried out seismic in 1981-2006 on Lower Carboniferous deposits. The Visean Stage and the weathering mantle of the crystalline basement are estimated as further exploration targets at the structure.

The Lohivska structure was discovered due to carried out seismic during 1981-2006 on the main reflecting horizon Vb3-n and is a restricted anticlinal fold, which is limited to the west and the north by the tectonic faults of amplitude 25-50 m.

Assessment of hydrocarbon resources (Ukrainian classification)

The prospective hydrocarbons resources at the Lohivska structure account for 42 thousand tons of oil and 950 million m³ of gas. The inferred gas resources of the Khmarivska structure of category D1 are estimated at 850 million m³. The Svitanova structure has prospective resources of the C3 category, estimated at 1.76 billion m³ of gas and 796 thousand tons of crude.

Well data

Exploration well No.7 was drilled in the Khmarivska structure in 2008-2009 and brought pure initial production.

Seismic surveys

Year of surveys	Number of lines	Number of linear km	Fold
1980	6	96,6	12
1987	2	31,3	24
1988	14	224,2	24
1990	1	7,2	24
1992	1	9,0	48
2004	6	71,9	24-48
2005	21	241,3	24-48

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
- SVITANKOVO-LOHIVSKA BLOCK
- survey with no mapping
- 45860

report number
- Рогов А.М.

author of the report
- 1982

year of the report