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ANALYSIS  
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

GOR'KIY REFINERIES 26 BAKINSKIKH  
KOMMISAROV AND NEFTEGAZ 2, USSR  
DECLASS REVIEW by NIMA/DOD

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GOR'KIY REFINERIES 26 BAKINSKIKH  
KOMMISAROV AND NEFTEGAZ 2, USSR

1. The 26 Bakinskikh Kommisarov and Neftegaz 2 refineries are located in the northwest quadrant of Gor'kiy, USSR, Figures 1 and 2. The installations are approximately 0.25 nm apart and are apparently connected by rail as well as being adjacent to a common rail line. Both are secured by perimeter walls. The geographic coordinates of the approximate centers of the two refineries are: (1) 26 Bakinskikh Kommisarov - 56 20 03N - 43 53 40E; (2) Neftegaz 2 56 20 40N - 43 52 30E. The Bakinskikh Refinery occupies an area of approximately 75 acres; the Neftegaz 2 Refinery occupies an area of about 25 acres. Neither the areas nor the plant layouts have changed greatly since [REDACTED] see Figures 3 and 8.

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It is probable that the two installations are functionally related. Practically all the apparent conventional refining equipment is situated in the Bakinskikh Refinery whereas the Neftegaz 2 Plant has only heat-treating facilities plus a clutter of tanks and buildings. These facts suggest that the feed stocks for the Neftegaz 2 Plant are the residues from the conventional refining processes employed at the Bakinskikh Refinery and that petroleum coke and asphalt would be among the principal products of the Neftegaz 2 Refinery.

2. The numerical designators in the following descriptions of the two refineries are keyed to the overlay of Figure 7.

a. 26 Bakinskikh Kommisarov Refinery

- (1) The western end of the refinery area contains approximately 20 buildings, six of which are of considerable size. This section probably includes warehouses, shops, packing and shipping facilities and possibly the administrative headquarters of the refinery.
- (2) This area contains considerable refining equipment which probably contains at least two pipe stills and an indeterminate number of fractionating columns. The presence of 20-30 small tanks arranged in symmetrical groups, along the north edge of the area suggests the production of lube oils and waxes in this part of the refinery.
- (3)&(4) The primary refinery facilities are located in this area. Pipe stills and fractionating towers are probably present and 1 or 2 small thermal cracking units are possible. A stack count on the best available photography suggests that there are 7 to 10 furnaces in the area, with the majority being quite small.

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- (5) This area is a tank farm containing 9 large probable crude storage tanks.
  - (6) This tank farm contains 6 medium and 18 small POL tanks and probably constitutes the main product storage facility of the refinery.
  - (7) This area contains approximately 7 medium sized and 9 small tanks. It is the type of tank farm often associated with lube oil production. The facilities in this area have been built since [REDACTED] and represent one of the two major construction projects since that time that can be directly associated with petroleum refining. This group of equipment may be associated with the large unidentified unit, (8).
  - (8) The large probable processing unit at this location has either been built since World War II or the pre-existing facility has been greatly modified. The unit consists of a large diameter cylindrical section estimated to be about 100' tall, surmounted by a relatively slender possibly rectangular section of some 40' in height. An apparent outside elevator shaft extends to the top of the cylindrical section on the NE side of the structure. Jets of steam can be seen emerging from two points near the bottom of the structure on photography from at least two missions.
  - (9) Two water treatment ponds and a new possible gasholder are located just north of the refinery area.

b. Neftegaz 2 Refinery

A number of buildings including a large warehouse or shipping facility and probably some processing equipment have been added to the refinery area since World War II but the boundaries of the refinery area have changed little, if at all. The entire area is occupied by a clutter of tanks of various sizes, many randomly oriented buildings and several heat processing facilities, (1), (2) and (3) which are probably distillation units. A small settling pond is located within the confines of the refinery and a much larger one is situated immediately to the east.

3. All measurements have been made by the CIA/IAD/IB project analyst. They should be considered as approximate and must not be taken as official NPIC mensuration data compiled by the Technical Intelligence Division, NPIC.

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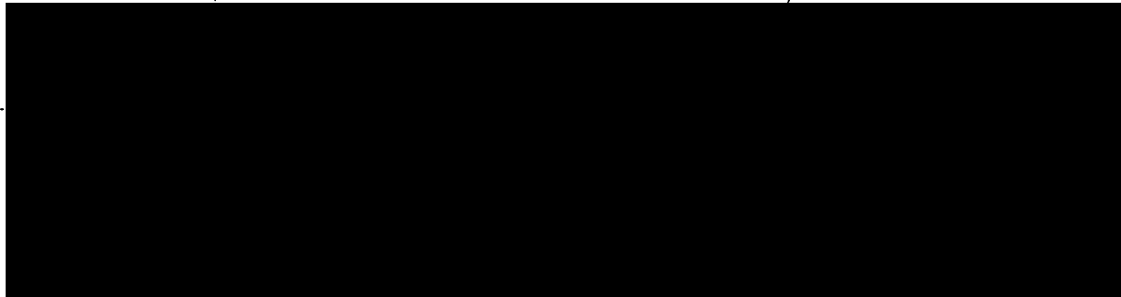
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REFERENCES

25X1D



MAPS OR CHARTS

General Locator Map, USSR - 29656 1-61 (UNCLASSIFIED)  
ACIC, US Air Target Chart, Series 200, Sheet 0154-25HL, 3rd Ed.  
May 1963, Scale 1:200,000 (SECRET)

REQUIREMENT

CIA. C-RR5-82,516 and C-RR5-82,517

CIA/IAD PROJECT

30591-5  
30592-5.

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FIGURE 3

GOR'KIY PETROLEUM PRODUCTS  
PLANT NEFTEGAZ 2

GOR'KIY PETROLEUM REFINERY  
26 BAKINSKIKH KOMMISAROV

26 BAKINSKIKH KOMMISAROV REFINERY  
GOR'KIY, USSR. 56 20 03N - 43 53 40E  
AND  
NEFTEGAZ 2 REFINERY  
GOR'KIY, USSR. 56 20 40N - 43 52 30E  
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FIGURE 4

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26 BAKIISKIKH KOMMISSAROV REFINERY  
GOR'KIY, USSR. 56 20 03N - 43 53 40E  
AND  
NEFTEGAZ 2 REFINERY  
GOR'KIY, USSR. 56 20 40N - 43 52 30E  
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FIGURE 5

26 BAKIISKIKH KOMMISSAROV REFINERY  
GOR'KIY, USSR. 56 20 03N - 43 53 40E  
AND  
NEFTEGAZ 2 REFINERY  
GOR'KIY, USSR. 56 20 40N - 43 52 30E  
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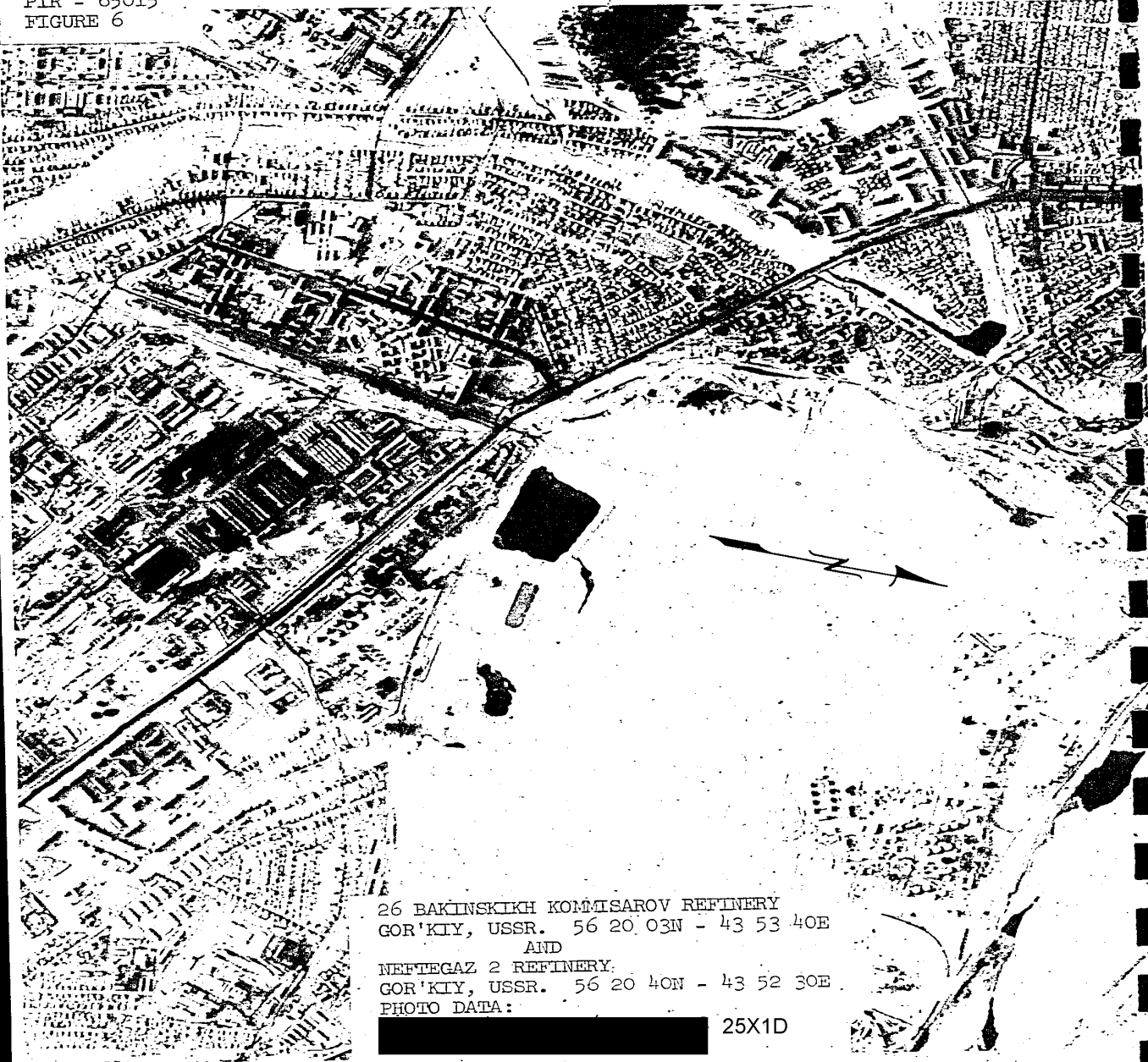
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FIGURE 6

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Mapa na Tsvet'noykh Gorn'nykh Sistemakh



26 BAKIISKIKH KOMMISSAROV REFINERY  
GOR'KIY, USSR. 56 20 03N - 43 53 40E  
AND  
NEFTEGAZ 2 REFINERY  
GOR'KIY, USSR. 56 20 40N - 43 52 30E  
PHOTO DATA:

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Mapa na Tsvet'noykh Gorn'nykh Sistemakh

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FIGURE 8

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26 BAKINSKIY KOMMISAROV REFINERY  
GOR'KIY, USSR. 56 20 03N - 43 53 40E  
AND  
NEFTEGAZ 2 REFINERY  
GOR'KIY, USSR. 56 20 40N - 43 52 30E  
PHOTO DATA:

[REDACTED] 25X1D

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Maple & Co. Remote Reference Control System Corp.