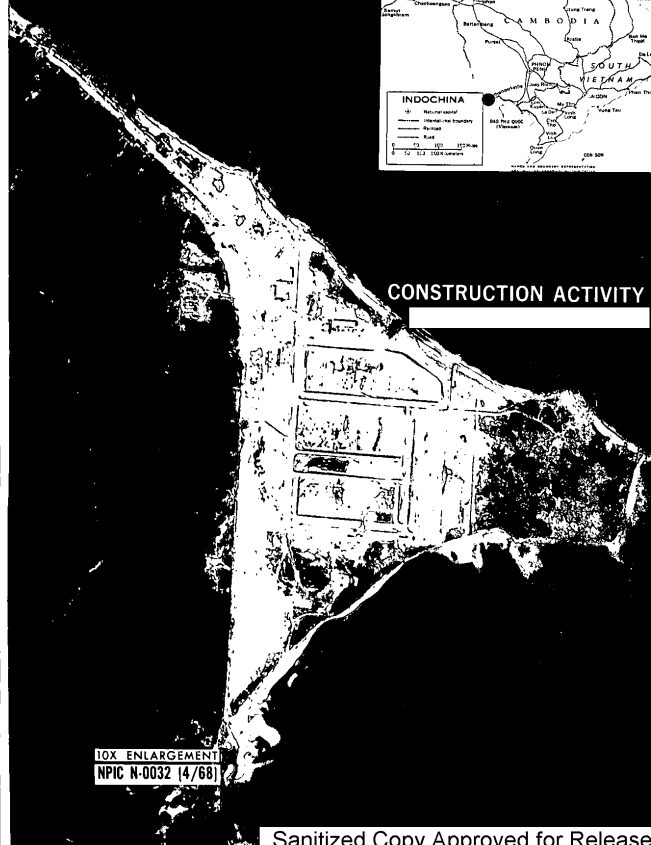


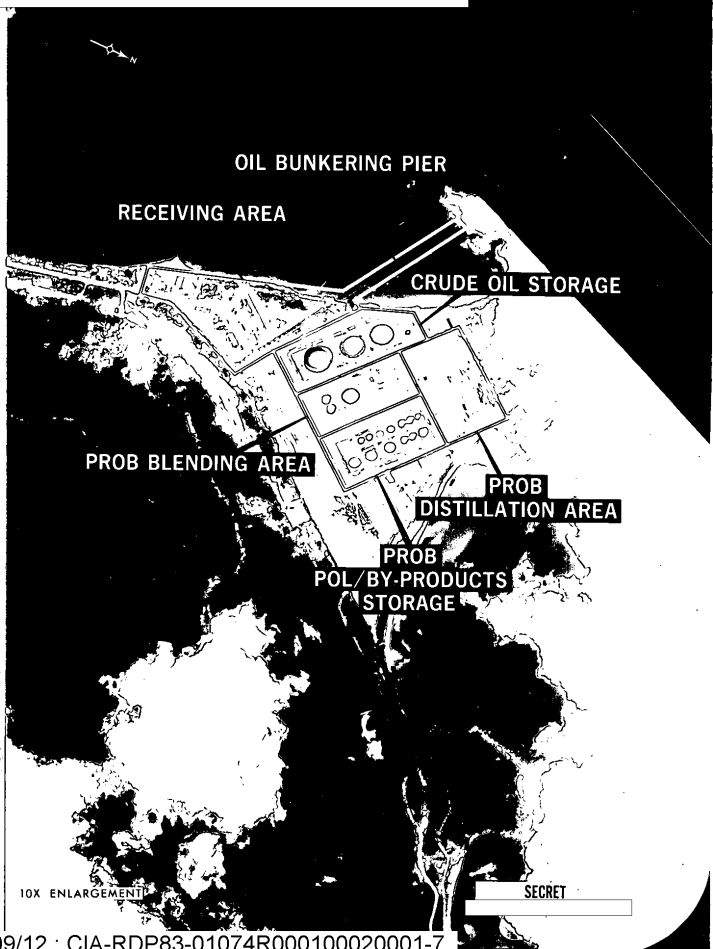
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PETROLEUM REFINERY UNDER CONSTRUCTION SIHANOUKVILLE, CAMBODIA 10-42N 103-33E



10X ENLARGEMENT
NPIC N-0032 (4/68)



10X ENLARGEMENT

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NO FOREIGN DISSEM [REDACTED]

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PETROLEUM REFINERY UNDER CONSTRUCTION
SIHANOUKVILLE, CAMBODIA
1042N 10333E
[REDACTED]

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1. SIGNIFICANCE:

THIS BRIEFING BOARD DEPICTS THE PETROLEUM REFINERY UNDER
CONSTRUCTION NORTH OF SIHANOUKVILLE.

2. LOCATION:

THE REFINERY IS LOCATED ON THE POINTE DU DEPARTE AT 10-42-50N
103-33-07E, SIX NM NORTH-NORTHEAST OF SIHANOUKVILLE.

3. BACKGROUND:

IN 1964 THE CAMBODIAN GOVERNMENT SIGNED A PROTOCOL AGREEMENT
WITH THE FRENCH REGIE AUTONOME DES PETROLES (RAP) FOR THE CONSTRUC-
TION BY 1967 OF AN OIL REFINERY OF 530,000 METRIC TONS CAPACITY AT
SIHANOUKVILLE. THE KOPPERS FRANCE, LTD. WAS AWARDED THE CONSTRUCTION
CONTRACT.

THE PLANT WILL ESSENTIALLY BE A DISTILLATION UNIT CAPABLE OF
PRODUCING MOTOR GASOLINE, KEROSENE, GAS, OIL AND DIESEL OIL.
CAMBODIA'S DEMAND FOR POL IS RISING VERY SLOWLY AND THE REFINERY
WILL, THEREFORE, PROBABLY NOT REACH OPTIMUM PRODUCTION BEFORE 1972.
CRUDE OIL WILL BE IMPORTED FROM IRAN AND FEEDSTOCKS PROBABLY FROM
EAST PAKISTAN.
1

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4. COLLATERAL:

THE REFINERY IS BEING CONSTRUCTED ON THE COAST ON A TRIANGULAR SITE WHICH BORDERS THE PHNOM PENH-SIHANOUKVILLE RAILWAY ON THE SOUTHEAST AND THE SEA ON THE NORTH AND THE WEST.

THE REFINERY BASICALLY CONSISTS OF A DISTILLATION COLUMN AND A CATALYTIC REFORMER AS WELL AS STORAGE TANKS AND THE NECESSARY EQUIPMENT FOR SUPPLYING UTILITIES SUCH AS ELECTRICITY, STEAM AND WATER.

IT WILL BE CAPABLE OF TREATING CRUDE OIL OF DIFFERENT COMPOSITIONS AND ORIGINS, BUT IT WOULD BE MORE ADVANTAGEOUSLY USED TO TREAT CRUDES WITH CHARACTERISTICS THAT WILL RESPOND BEST TO THE NEEDS OF THE LOCAL MARKET.

AS SOON AS THE REFINERY STARTS PRODUCTION, IT WILL BE ABLE TO COVER THE COMPLETE NEEDS OF THE HOME MARKET FOR PRINCIPAL OIL PRODUCTS: GASOLINE, KEROSENE, JET FUEL, GAS-OIL, DIESEL OIL AND FUEL OIL.

IT WILL ALSO BE POSSIBLE TO PRODUCE HIGH-OCTANE GASOLINE AND BY-PRODUCTS WHICH WILL HAVE NO IMMEDIATE COMMERCIAL APPLICATIONS. NEW INDUSTRIES COULD BE ESTABLISHED AT A LATER DATE TO PROFITABLY UTILIZE THESE BY-PRODUCTS. AT A MUCH LATER PERIOD AND AFTER ADDITIONAL INVESTMENTS THE REFINERY SHOULD BE ABLE TO DELIVER BOTTLED LIQUID GAS AND MANUFACTURE ASPHALT.

2

DOD [REDACTED]

02 FEBRUARY 1968 (CONFIDENTIAL).

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5. MISSION READOUT:

[REDACTED] REVEALS THE INSTALLA-
TION TO BE APPROXIMATELY FIVE PERCENT COMPLETE. THE TWO AREAS
OBSERVED ARE A RECEIVING AREA UNDER CONSTRUCTION CONTAINING TEN
STORAGE/SUPPORT BUILDINGS AND EXTENSIVE OPEN STORAGE AND THREE
ASSOCIATED POL STORAGE AREAS ENCLOSED BY RETAINING WALLS.

[REDACTED] REVEALS FIVE AREAS AT THE INSTALLA-
TION: (1) A RECEIVING AREA UNDER CONSTRUCTION CONTAINING 14 WOOD
FRAME BUILDINGS (THREE UNDER CONSTRUCTION) AND ONE OIL BUNKERING
PIER UNDER CONSTRUCTION. (2) A CRUDE OIL STORAGE AREA ENCLOSED BY
A RETAINING WALL CONTAINING THREE PROBABLE STORAGE TANKS UNDER CON-
STRUCTION WITH APPROXIMATELY 160 FT DIAMETER FOUNDATIONS. (3) A
POSSIBLE DISTILLATION AREA CONTAINING FOUR WOOD FRAME BUILDINGS (ONE
UNDER CONSTRUCTION) AND EXTENSIVE OPEN STORAGE. (4) A POSSIBLE
BLENDING AREA ENCLOSED BY A RETAINING WALL CONTAINING ONE LARGE
STORAGE TANK UNDER CONSTRUCTION, TWO MEDIUM STORAGE TANKS IN A LATE
STAGE OF CONSTRUCTION, SIX WOOD FRAME CONSTRUCTION BUILDINGS AND ONE
UNIDENTIFIED BUILDING OUTSIDE THE RETAINING WALL. (5) A POL BY-
PRODUCTS STORAGE AREA UNDER CONSTRUCTION ENCLOSED BY A RETAINING WALL
CONTAINING FOUR LARGE TANK FOUNDATIONS, ONE MEDIUM TANK NEAR COMPLETION,

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AND A WOOD FRAME DOUBLE-BAY WAREHOUSE LOCATED ADJACENT TO POL BY-
PRODUCTS AREA. EXTENSIVE OPEN STORAGE AND APPROXIMATELY SIX TRUCKS
OBSERVED THROUGHOUT THE AREA.

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