No. Pages : 7

COPY NO.: 47

TOP SECRET

TALENT

PHOTOGRAPHIC INTELLIGENCE MEMORANDUM

HIGH-POWERED RADIO STATION NEAR EL MANSURA, EGYPT

[redacted]

Declass Review by NIMA / DoD

PIC/M-1/59

MARCH 1959

WARNING: HANDLE VIA TALENT CONTROL CHANNELS ONLY

CENTRAL INTELLIGENCE AGENCY

PHOTOGRAPHIC INTELLIGENCE CENTER

Approved For Release 2002/01/10 : CIA-RDP78T04751A000600010022-5

WARNING

This material contains information affecting the National Defense of the United States within the meaning of the espionage laws, Title 18, USC, Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

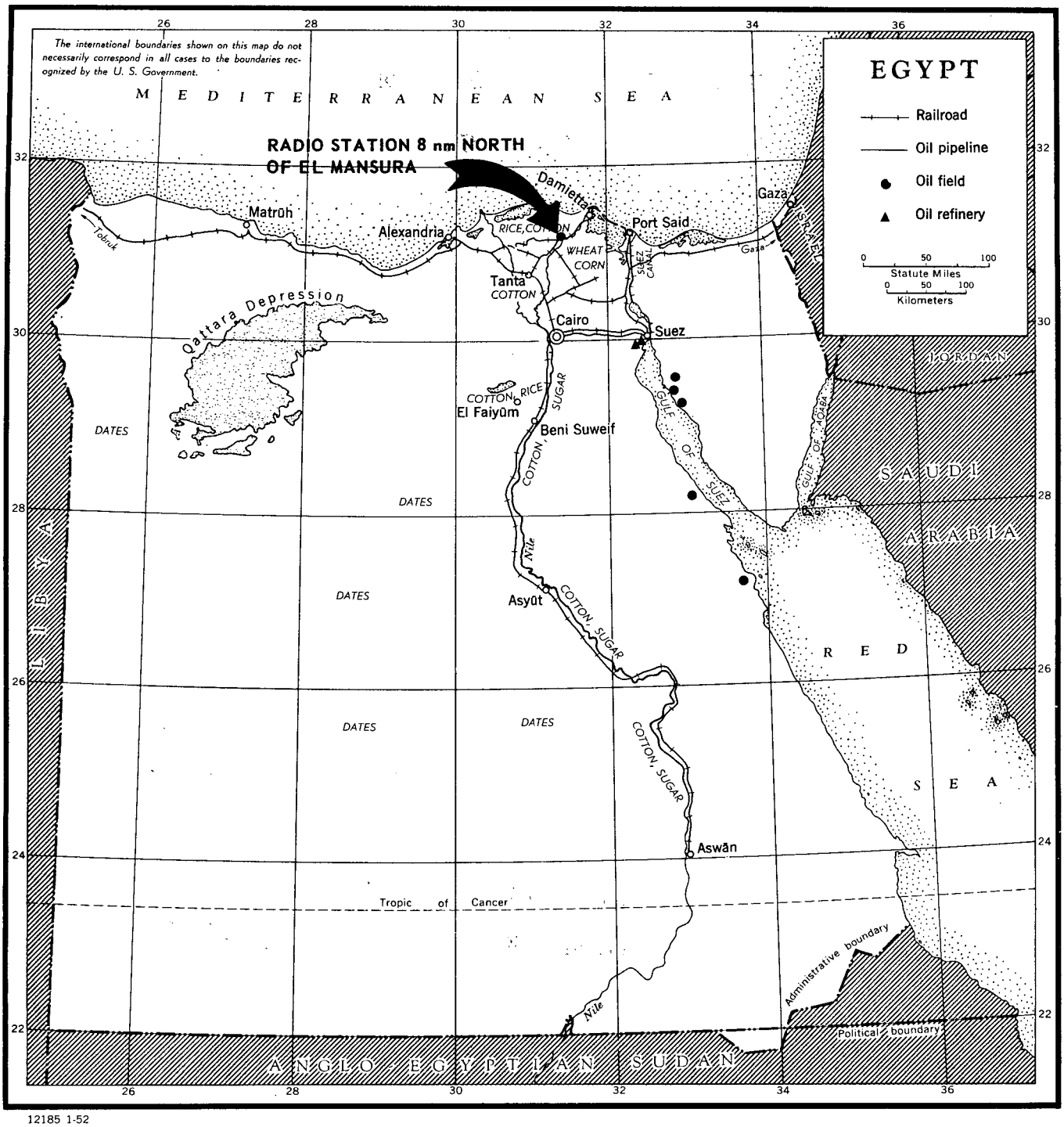
Approved For Release 2002/01/10 : CIA-RDP78T04751A000600010022-5

HIGH-POWERED RADIO STATION

NEAR EL MANSURA, EGYPT

PIC/M-1/59

March 1959



12185 1-52

HIGH-POWERED RADIO STATION NEAR EL MANSURA, EGYPT

A high-powered radio broadcasting station probably operating in the medium-frequency range is located at 31°11'N/31°26'E, eight nautical miles north of El Mansura, Egypt on the northern edge of the village of Busat. The station occupies an irregularly-shaped area of 160 acres of irrigated land with over-all dimensions of 3,000 by 2,700 feet.

25X1D As of [redacted] the station consisted of 21 buildings, in the final stages of construction or completed, two guyed vertical radiators, one self-supporting lattice tower, a transformer yard, and a cooling pond under construction. The area is probably fenced although it is not possible to identify a fence around the entire area. An overhead power line enters from the northeast and leads to the transformer yard.

The following is a tabulation of the various facilities within the installation that can be identified on aerial photography. Numbers used to designate structures in the tabulation correspond to numbers used to identify the same items on the accompanying graphic.

A. Structures

1. Transformer yard containing one irregularly-shaped building with over-all dimensions of 35 [redacted] feet. 25X1D
2. Flat-roofed building, [redacted] 25X1D
3. Two flat-roofed buildings. One is L-shaped and has over-all dimensions of [redacted] with each wing 10 feet wide. The other is 10 feet square. 25X1D
4. Five flat-roofed buildings, each [redacted] 25X1D
5. Irregularly-shaped building, two-story. Over-all dimensions of the ground floor are 70 by 50 feet and of the second floor 25X1D [redacted] 50 feet.
6. Two flat-roofed, two-story buildings, each 45 [redacted] feet. 25X1D

7. Flat-roofed, L-shaped building, two-story, with over-all dimensions of 150 by 90 feet. The width of the longer wing is [redacted] and that of the shorter wing [redacted] 25X1D 25X1D

8. Flat-roofed, L-shaped building, two-story. One wing measures [redacted] 30 feet and the other 160 [redacted] feet. 25X1D 25X1D

9. Transmitter building. One-story, flat-roofed, L-shaped building with over-all dimensions of 250 by 115 feet. Each wing is 70 feet wide. There are two probable ventilators on the roof. Earth embankments have been built against the east and south sides of the building.

10. Cooling pond 145 [redacted] feet, with a [redacted] wide excavation leading from one end of the cooling pond to the transmitter building. 25X1D 25X1D

11. Two flat-roofed buildings, 30 [redacted] feet and 30 [redacted] feet.

12. Curved-roof building 70 feet square, single-story, with projecting shed 40 by 15 feet. 25X1D

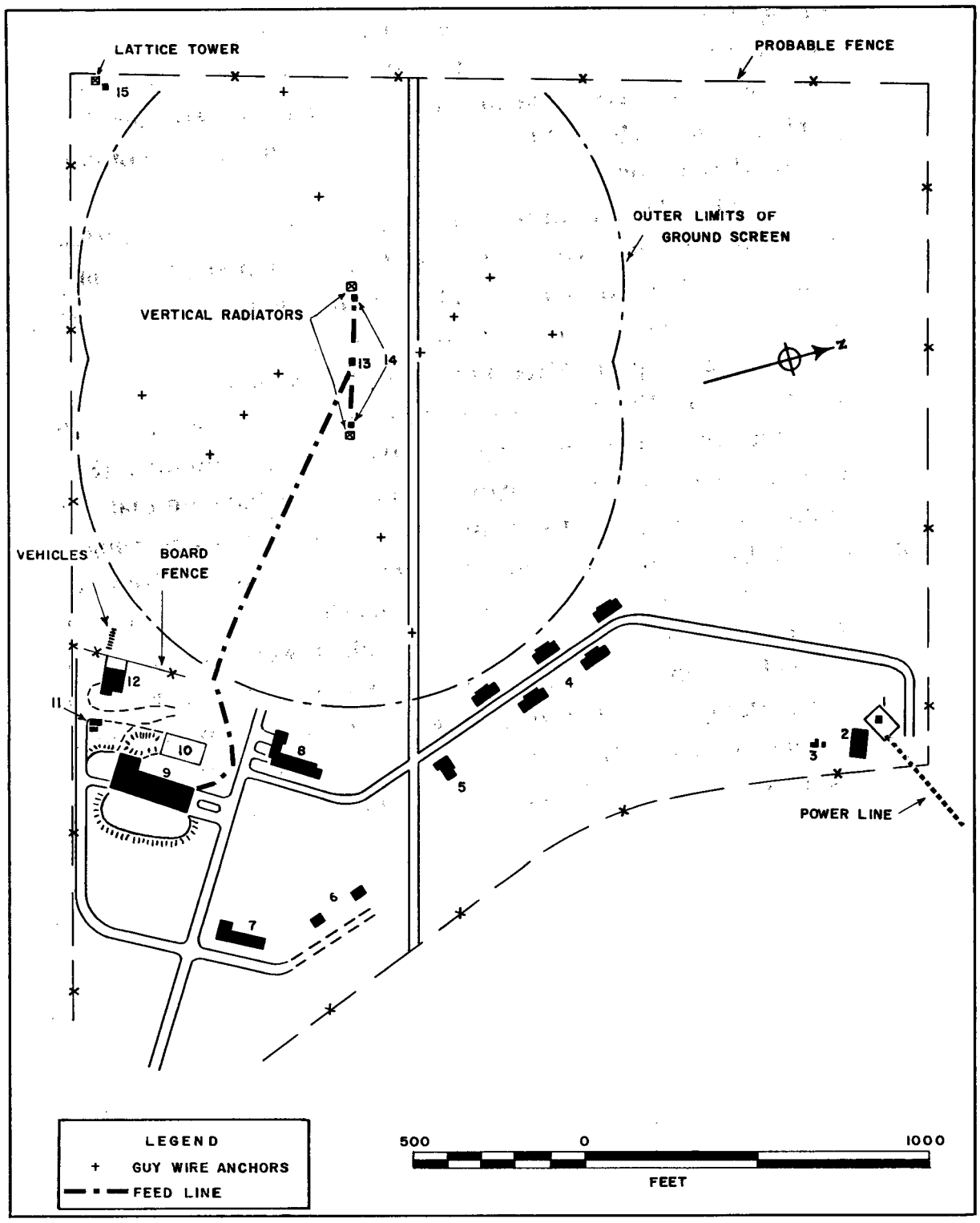
13. Coupling/tuning house 25 feet square. 25X1D

14. Two coupling/tuning houses, each 25 feet square.

15. Flat-roofed building [redacted] 25X1D

B. Antennas

1. Two guyed broadcast vertical radiators, approximately 810 feet high and located 430 feet apart. Two collateral reports 1/ 2/, give the height of these radiators as 840 feet. The photo derived figure could easily be in error as much as [redacted] A line projected between the two vertical radiators would have an azimuth orientation of [redacted] There are three sets of guy-wire anchors supporting each radiator. Each set consists of two anchors placed at distances of 340 feet and 640 feet from the radiator base. An overhead feed line leads from the probable transmitter building (Item 9) to the coupling/ 25X1D 25X1D



Approved For Release 2002/01/10 : CIA-RDP78T04751A000600010022-5
TOP SECRET CHESS

tuning house (Item 13) located in line with and midway between the two vertical radiators . From this building the overhead feed line divides and leads to two coupling/ tuning houses (Item 14), one of which is at the base of each vertical radiator.

25X1B

2. One 210-foot-high self-supporting lattice tower is located in the southwest corner of the radio station. A small building (Item 15) adjacent to the base of this tower may serve as a coupling/tuning house. No feed line can be seen leading to this building or to the tower. However, because of the state of construction activity the lack of an identifiable feed line does not preclude future use of the tower as an antenna.

PIC/M-1/59

REQUIREMENT: Prepared in answer to RR/E/R137/58 requesting description of powerful radio broadcasting station under construction in the vicinity of El Mansura , Egypt.

PHOTO DATA:

[redacted] 25X1D

MAP DATA:

Army Map Service, Series P671, Sheet 92, Scale 1:100,000 (U)

REFERENCES:

25X1C [redacted]

TOP SECRET

TALENT

TOP SECRET

Approved For Release 2002/01/10 : CIA-RDP78T04751A000600010022-5