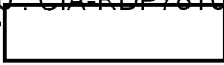




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15 February 1967
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Copy 1

REFERENCE TO:



UNUSUAL CONSTRUCTION TECHNIQUE
ALEYSK ICBM COMPLEX,
USSR

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1. SIGNIFICANCE: LAUNCH SITES 19 AND 20 SHOW A DISTINCT DEVIATION FROM STANDARD TYPE IIIC CONSTRUCTION PROCEDURES.

2. LOCATION: COMPLEX -- 151 NM SOUTH OF NOVOSIBIRSK AND GENERALLY WEST OF THE TOWN OF ALEYSK.

SITE 19 -- APPROXIMATELY 21 NM WEST OF ALEYSK.

SITE 20 -- APPROXIMATELY 22 NM WNW OF ALEYSK.

3. REMARKS: THE ALEYSK ICBM COMPLEX IS ONE OF 6 ICBM COMPLEXES IN THE USSR AT WHICH TYPE IIIC DEPLOYMENT HAS BEEN IDENTIFIED. THE TYPE IIIC LAUNCH SITE IS THE LARGER OF THE 2 TYPES OF DEPLOYED SINGLE-SILO LAUNCH SITES WHICH HAVE BEEN IDENTIFIED IN THE USSR.

NORMALLY, DURING THE EARLY STAGE OF CONSTRUCTION OF A TYPE IIIC SITE, A SILO EXCAVATION 20 TO 30 FT DEEP IS VISIBLE, WITH ONE OR 2 EARTHEN RAMPS PROVIDING ACCESS INTO THE EXCAVATION. THE SPOIL FROM THIS EXCAVATION IS UTILIZED IN FORMING A LARGE RECTANGULAR

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PATTERN AT THE SIDE OF THE EXCAVATION AND A SQUARE PATTERN, IN LINE WITH THE RECTANGULAR PATTERN, ON THE OPPOSITE SIDE OF THE EXCAVATION. ONCE THE DESIRED DEPTH IS REACHED, SILO CORING BEGINS. (GMAIC-"EVALUATIONS OF SOVIET SURFACE MISSILE DEPLOYMENT," 24TH REVISION.)



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5. FIRST IDENTIFICATION:

SITE 19 -

SITE 20 -



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6. NEGATION DATE:

SITE 19 -

SITE 20 -

7. SUBSEQUENT COVERAGE:

NONE

8. DIMENSIONS/
SPECIFICATIONS:

DIAMETER OF CORING AT SITES 19 AND 20 -- 30-35 FT.

DIAMETER OF CORING AT TYPICAL IIIC SITE -- APPROX

30 FT.

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9. MISSION READOUT: LAUNCH SITES 19C AND 20C SHOW A DISTINCT DEVIATION FROM STANDARD TYPE IIIC CONSTRUCTION PROCEDURES. AT BOTH SITES ONLY A 30-35 FT DIAMETER CORING IS OBSERVED, DUG NOT AT THE BOTTOM OF A LARGE EXCAVATION, BUT RATHER RIGHT AT GROUND LEVEL. THIS PROCEDURE WOULD REQUIRE HEADWORKS TO BE CONSTRUCTED ABOVE GROUND LEVEL UNLESS A LARGER EXCAVATION IS COMPLETED AROUND THE HOLE. AT SITE 19 A CRANE IS AT THE EDGE OF THE HOLE, AND AT SITE 20 A POSSIBLE CRANE IS AT THE EDGE. BOTH SITES REMAIN IN AN EARLY STAGE OF CONSTRUCTION.



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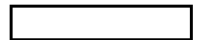
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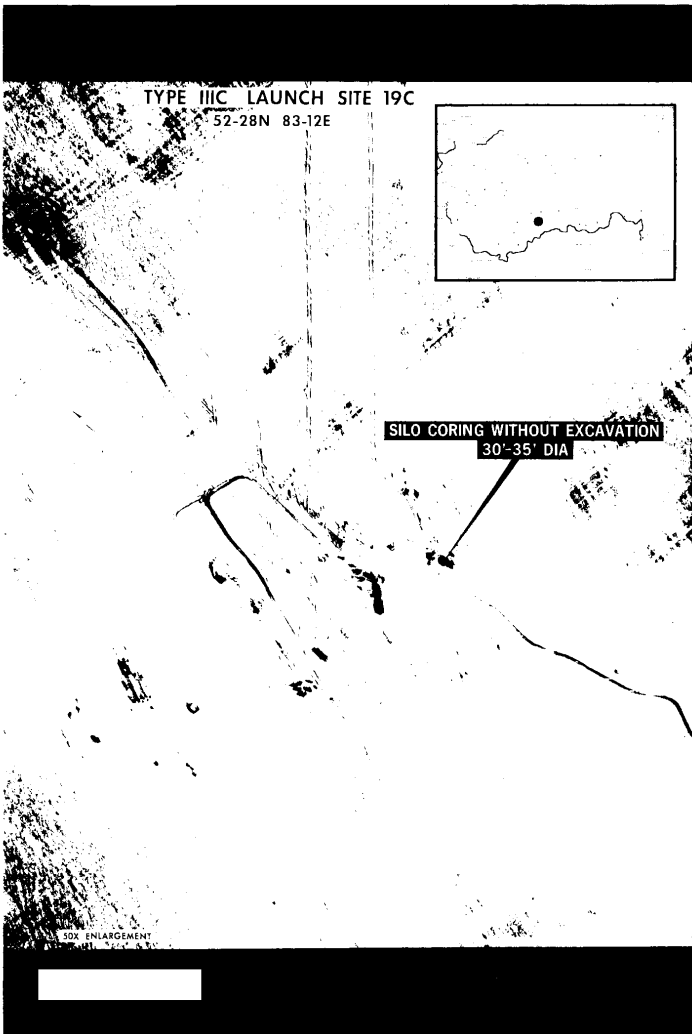
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UNUSUAL CONSTRUCTION TECHNIQUE
ALEYSK ICBM COMPLEX, USSR

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