

*Memorandum*Region 7
Dallas, Texas 75202

TO : FILE

Date: May 11, 1966

FROM : Realty Officer - 7UR-3
Real Property Division, UDS

In reply refer to: 7UR-3

SUBJECT: INSPECTION REPORT
ICBM Communication Cable Line
Jones, Shackelford, Nolan, Taylor,
Callahan, and Runnels Counties, Texas
D-Tex-604-P

On March 29, 1966, an inspection was made of the subject property.

Persons contacted were as follows:

R. C. Stevenson and T. G. Wilcox of AFLC, Site Deactivation Task Force, Dyess AFB, Texas, Building 7237, Telephone OW 6-2681 or 2508;

John Harper, Real Property Officer, Dyess AFB, Telephone OW 6-2554;

Tech/Sgt Taylor and Al/C Jim Bupp, Base Civil Engineer Site Surveillance Team;

R. C. Barker, Redistribution and Marketing Center, Telephone OW 6-2578;

Captain Horsewood, Dyess AFB Communication Officer;

Base Civil Engineer, Dyess AFB.

The property consists of 349 right of way easements and 138 licenses 16-1/2 feet in width and a total length of 200.5 miles located in the six counties set forth above.


The entire system consists of 12 lines, each line containing cables of a varying number of pairs from two to 18. The cable interconnects all twelve missile sites to each other and to a command post located on Dyess Air Force Base.

Also included are 33 manholes. Repeaters and repeater housings have been removed from the manholes by the Air Force, the repeaters for use elsewhere and the repeater housings for disposal through the Dyess AFB Redistribution and Marketing Office.



That portion of the cable lying within the boundary fence of the missile sites has been disposed of to Progress Petroleum Corporation, Wichita Falls, Texas, under Defense Logistics Services Center contract.

Enclosed is a copy of a six page inventory of the cable line, a letter dated April 18, 1966, from the Phelps Dodge Copper Products Corporation describing the cable, and a drawing showing the location of the cable.


Paul T. Flynn

Enclosures 3

cc:
Assistant Commissioner for Real Property, UR
Washington, D. C.
Relocation Center

7UR:PTFlynn:ls 6/11/66

<u>OUTSIDE PLANT CABLE</u>	<u>Unit of Measure</u>	<u>Quantity Shipped</u>	<u>Quantity Received</u>
<u>LINE #1</u>			
Sec. 1 A, 1B, 1 F 2 P 18 x 19 PTA (.083) (Phelps Dodge)	Ft.	100,408	100,408
Sec. 1 C, 1 E, 1 H 2 P 15 x 16 PTA (.083) (Phelps Dodge) 2 x 19 (.083)	Ft.	157,280	157,280
Sec. 1 D 2 P 15 x 16 PTA (.066) (Phelps Dodge) 2 x 19 (.083)	Ft.	66,762	66,762
Sec. 1 G 2 P 15 x 19 PTA (.066) (Phelps Dodge) 2 x 19 (.083)	Ft.	46,560	46,560
Sec. 1 J 2 P 3 x 16 PTA (.066) (Phelps Dodge) 3 x 19 (.083)	Ft.	65,352	65,352
Stranded Cable, 7 Pr. 16 ga (.066) (Phelps Ddg.)	Ft.	220	220
Man Holes, small CGER 4562	Ea.	2	2
Man Holes, large CGER 8533	Ea.	6	6
Repeater Housings (Raleigh) K 7241	Ea.	30	30
Repeaters, Reg. Type (Raleigh) K-2442-1	Ea.	15	15
Repeaters, Non-reg. (Raleigh) KC-2413-3	Ea.	87	87
Terminal Box (Electro-kinetics) 161206-1	Ea.	16	16
Repeater Housing Support (Unistrut) K1A05-110 G-1	Ea.	4	4
Repeater Housing Support (Unistrut) K1A05-110 G-3	Ea.	4	4

<u>OUTSIDE PLANT CABLE</u>	<u>Unit of Measure</u>	<u>Quantity Shipped</u>	<u>Quantity Received</u>
<u>LINE #2</u>			
Sec. 2 A			
2 P 15 x 19 PTA (.066) (Phelps Dodge)	Ft.	40,762	40,762
2 x 19 (.083)			
Sec. 2 B, 2 C			
2 P 15 x 16 PTA (.083) (Phelps Dodge)	Ft.	106,782	106,782
2 x 19 (.083)			
Sec. 2 D			
2 P 3 x 16 PTA (.083) (Phelps Dodge)	Ft.	59,508	59,508
3 x 19 (.083)			
Stranded Cable, 18 pr., 16 ga. (.066) (Phelps Dodge)	Ft.	220	220
Man Hole, large CGER 8533	Ea.	2	2
Man Hole, small CGER 4562	Ea.	1	1
Repeater Housings (Raleigh) K 7241	Ea.	11	11
Repeater, Reg. (Raleigh) K 2442-1	Ea.	12	12
Repeater, Non-reg. (Raleigh) KC-2413-3	Ea.	29	29
Terminal Box(Electro-Kinetics) 161206-1	Ea.	6	6
Repeater Housing Support (Unistrut) KIA05-110 G-1	Ea.	2	2
Repeater Housing Support (Unistrut) KIA05-110 G-3	Ea.	3	3
<u>LINE #3</u>			
Sec. 3 A			
2 P 3 x 16 PTA (.083) (Phelps Dodge)	Ft.	54,862	54,862
3 x 19 (.083)			
Stranded Cable, 7 pr., 16 ga., (.066) (Phelps Dodge)	Ft.	220	220

<u>OUTSIDE PLANT CABLE</u>	<u>Unit of Measure</u>	<u>Quantity Shipped</u>	<u>Quantity Received</u>
<u>LINE #7</u>			
Sec. 7 A, 7 B and 7 C			
2 P 3 x 19 PTA (.066) (Phelps Dodge)	Ft.	143,588	143,588
3 x 19 (.083)			
Sec. 7 B			
2 P 3 x 19 PTA (.066) (Phelps Dodge)	Ft.	406	406
3 x 19 (.083)			
Stranded Cable, 7 pr., 19 Ga. (.066) (Phelps Dodge)	Ft.	220	220
Man Hole, small CGER 4562	Ea.	2	2
Repeater Housings (Raleigh) K 7241	Ea.	2	2
Repeater, Non-reg. (Raleigh) K-2413-3	Ea.	4	4
Terminal Box (Electro-kinetics) 161206-2	Ea.	2	2
Repeater Housings Support KIA05-110 G-1 (Unistrut)	Ea.	1	1
<u>LINE #8</u>			
Sec. 8 A and 8 B			
2 P 3 x 19 (.066) (Phelps Dodge)	Ft.	97,160	97,160
3 x 19 (.083)			
Sec. 8 C and 8 D			
2 P 5 x 19 PTA (.083) (Phelps Dodge)	Ft.	63,976	63,976
Stranded Cable, 7 pr., 19 Ga. (.066) (Phelps Dodge)	Ft.	220	220
Man Hole, small CGER 4562	Ea.	3	3
Repeater Housing (Raleigh) K 7241	Ea.	3	3
Repeater, Reg. (Raleigh) K 2442-1	Ea.	2	2
Repeater, Non-reg. (Raleigh) K 2413-3	Ea.	4	4
Terminal Box (Electro-kinetics) 161206-2	Ea.	3	3
Repeater Housing Support KIA05-110 G-1 (Unistrut)	Ea.	1	1

<u>OUTSIDE PLANT CABLE</u>	<u>Unit of Measure</u>	<u>Quantity Shipped</u>	<u>Quantity Received</u>
<u>LINE #9</u>			
<u>Sec. 9 A, 9 B, 9 C and 9 D</u>			
2 P 10 x 19 PTA (.066) (Phelps Dodge)	Ft.	140,234	140,234
2 x 19 (.083)			
<u>Sec. 9 D</u>			
2 P 8 x 19 PTA (.066) (Phelps Dodge)	Ft.	40,866	40,866
3 x 19 (.083)			
<u>Sec. 9 E and 9 F</u>			
2 P 11 x 19 PTA (.083) (Phelps Dodge)	Ft.	67,204	67,204
<u>Sec. 9 H</u>			
2 P 18 x 19 PTA (.083) (Phelps Dodge)	Ft.	1,242	1,242
<u>Sec. 9 G, 9 H, 9 J and 9 K</u>			
2 P 3 x 19 PTA (.066) (Phelps Dodge)	Ft.	173,780	173,780
2 x 19 (.083)			
Man Hole, small CGER 4562	Ea.	9	9
Repeater Housings (Raleigh) K 7241	Ea.	15	15
Regulated Repeaters (Raleigh) K 2442-1	Ea.	14	14
Non-reg Repeaters (Raleigh) K 2413-3	Ea.	34	34
Repeater Housing Support KIA05-110 G-1 (Unistrut)	Ea.	1	1
Terminal Box (Electro-kinetics) 161206-1	Ea.	4	4
Terminal Box (Electro-kinetics) 161206-2	Ea.	7	7
7 pr 19 Ga (.066) Stranded (Phelps Dodge)	Ft.	220	220
<u>LINE #10</u>			
<u>Sec. 10 A</u>			
2 P 3 x 16 PTA (.066) (Phelps Dodge)	Ft.	60,200	60,200
4 x 19 (.083)			
Stranded Cable, 7 pr. 16 Ga. (Phelps Dodge)	Ft.	220	220

<u>OUTSIDE PLANT CABLE</u>	<u>Unit of Measure</u>	<u>Quantity Shipped</u>	<u>Quantity Received</u>
<u>LINE #11</u>			
<u>Sec. 11 A</u>			
2 P 5 x 19 PTA (.066) (Phelps Dodge)	Ft.	44,988	44,988
2 x 19 (.083)			
2 P 15 x 19 PTA (.066) (Phelps Dodge)	Ft.	1,604	1,604
2 x 19 (.083)			
2 P 5 x 19 PTA (.066) (Phelps Dodge)	Ft.	448	448
2 x 19 (.083)			
<u>Sec. 11 B</u>			
2 P 5 x 19 PTA (.066) (Phelps Dodge)	Ft.	46,780	46,780
2 x 19 (.083)			
<u>Sec. 11 C</u>			
2 P 5 x 16 PTA (.083) (Phelps Dodge)	Ft.	51,780	51,780
2 x 19 (.083)			
2 P 15 x 16 PTA (.083) (Phelps Dodge)	Ft.	4,000	4,000
2 x 19 (.083)			
<u>Sec. 11 D</u>			
2 P 3 x 16 PTA (.066) (Phelps Dodge)	Ft.	61,262	61,262
3 x 19 (.083)			
Man Hole, small CGER 4562	Ea.	3	3
Repeater, Housing (Raleigh) K 7241	Ea.	3	3
Terminal Box (Electro-Kinetics) 161206-2	Ea.	3	3
Non-reg. Repeaters (Raleigh) K 2413-3	Ea.	8	8
Regulated Repeaters (Raleigh) K 2442-1	Ea.	4	4
7 pr. 16 Ga. (.066) Stranded (Phelps Dodge)	Ft.	220	220
<u>LINE #12</u>			
<u>Sec. 12A and 12B</u>			
2 P 3 x 16 PTA (.083) (Phelps Dodge)	Ft.	114,258	114,258
2 x 19 (.083)			
Stranded Cable 7 pr. 16 Ga (Phelps Dodge)	Ft.	220	220
Man Hole, small CGER 4562	Ea.	1	1
Repeater Housing (Raleigh) K 7241	Ea.	1	1
Terminal Box (Electro-kinetics) 161206-2	Ea.	1	1
Non-reg. Repeaters (Raleigh) K 2413-3	Ea.	2	2
<u>Sec. 12 B</u>			
2 P 5 x 16 PTA (.083) (Phelps Dodge)	Ft.	4,416	4,416
2 x 19 (.083)			

PHELPS DODGE COPPER PRODUCTS CORPORATION

300 PARK AVENUE



NEW YORK, N. Y. 10022

April 18, 1966

Mr. James K. Winsor
Chief, Real Property Division
General Services Administration
Utilization and Disposal Service
1114 Commerce Street
Dallas, Texas 75202

Subject: 7 UR
D-Twx-604-P
D-Okla-431-M

Dear Mr. Winsor:

The following is in reply to your letter of April 7, 1966 and will supplement ours of April 13, 1966.

The cables in question were purchased from Phelps Dodge by ITT Kellogg, 5959 South Harlem Avenue, Chicago 38, Illinois. Our customer's order numbers were as follows:

Buried Cable for Dyess	-	Order 16-4569-9
Submarine Cable for Dyess	-	Order 16-5097-9
Buried Cable for Altus	-	Order 16-4568-9
Submarine Cable for Altus	-	Order 16-4957-9 16-5096A-9

Shipment of all orders was made in the summer and fall of 1961.

As indicated above, there were basically two types of cable - Buried and Submarine.

Buried Cables

These cables were manufactured in accordance with Kellogg's Specification MK-CS 495, Issue 3, dated October 19, 1960. This specification covers multi-pair color coded polyethylene insulated copper conductors of AWG sizes 16 and 19. These insulated conductors are enclosed in two polyethylene jackets with an aluminum shield between the core and inner jacket and a single .010" galvanized steel tape between the inner and outer jacket.

Submarine Cables

These cables were manufactured in accordance with Kellogg's Specification MK-CS 495-S, Issue 3, dated October 19, 1960.

Detailed description of the item designated as 7 Pair 16 Gauge on the listing attached to your April 7th letter is as follows:-

7 Pair No. 16 AWG (19/.0117" concentric strand) bare copper; .047" fully color coded Polyethylene; twisted pairs assembled with uni-directional lays; .005" mylar tape; 32 AWG tinned copper shielding braid; .001" mylar tape; .070" Polyethylene jacket.

In further regard to the listing attached to your April 7th letter, we point out that the buried cables were composite cables consisting of 19 AWG pairs having .083 mutual capacitance, 19 AWG pairs having .066 mutual capacitance, 16 AWG pairs having .083 mutual capacitance and 16 AWG pairs having .066 mutual capacitance. Section 1A, 1B, 1F on your list then would be 18 pair cable having 19 gauge with .083 mutual capacitance and Section 1C, 1E, 1H would be a 17 pair cable - 15 pairs 16 AWG .083 mutual capacitance and 2 pair 19 AWG .083 mutual capacitance.

We assume that the "PTA" designation appearing next to the first five items of your listing designates polyethylene tape armored or buried cable.

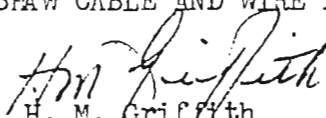
We do not understand the significance of the section numbers which you have set forth. You may be able to clarify this matter with our customer, ITT Kellogg.

We have completely described the stranded cable set forth in your listing, Attachment 1¹, and point out further that the .066 would refer to the mutual capacitance. The other stranded cables are similar to the one described having only different pair counts and gauges.

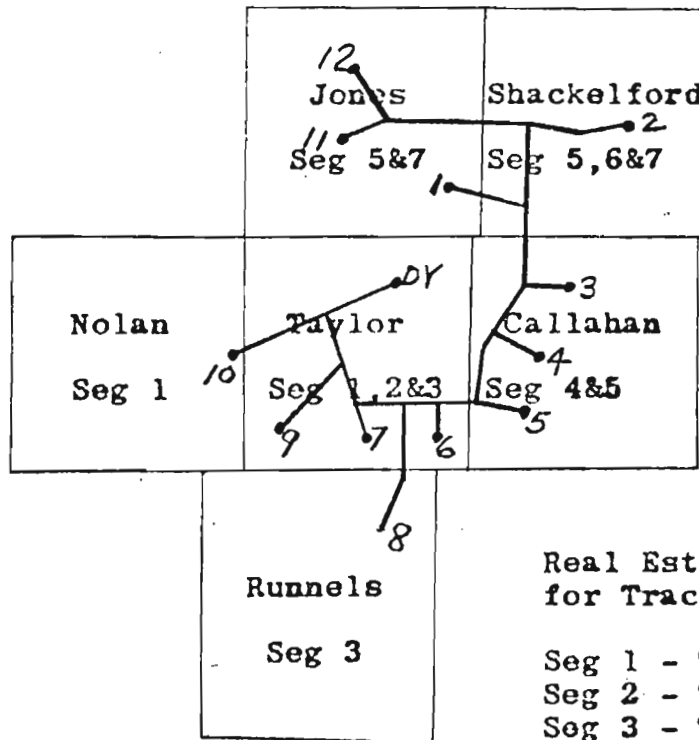
We believe that we have furnished you all of the information in our possession in regard to the construction of the cable items forwarded to us with your letter. If, however, you will require further information, please do not hesitate to contact us.

Very truly yours,

PHELPS DODGE COPPER PRODUCTS CORPORATION
HABIRSFARAW CABLE AND WIRE DIVISION


H. M. Griffith
Sales Service Manager
Telephone Cable

MISSILE FACILITY
 CABLE LINES



Real Estate Maps
 for Tracts as follows:

- Seg 1 - Tracts 100-167
- Seg 2 - Tracts 200-283
- Seg 3 - Tracts 300-398
- Seg 4 - Tracts 400-462
- Seg 5 - Tracts 500-558
- Seg 6 - Tracts 600-609
- Seg 7 - Tracts 700-785

Real Estate Maps
 for Counties as follows:

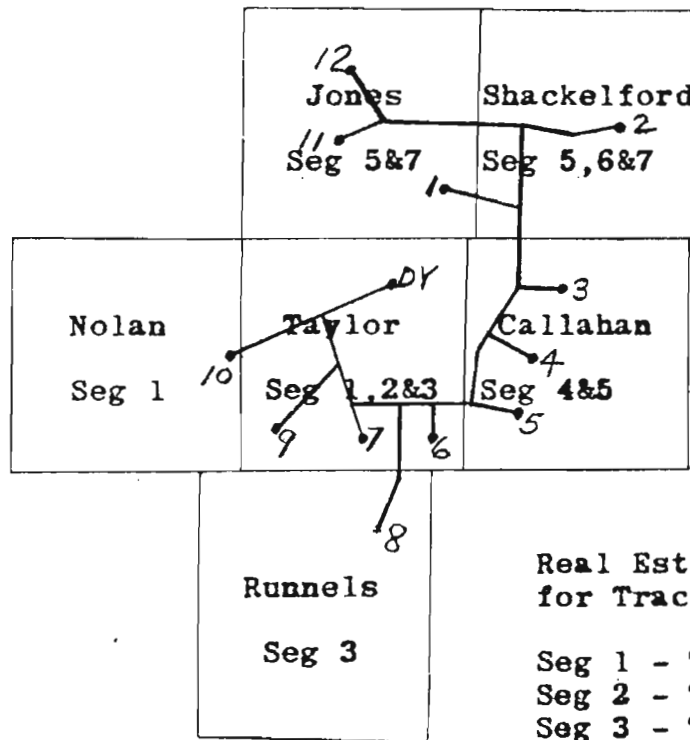
- Seg 1 - Nolan & Taylor
- Seg 2 - Taylor
- Seg 3 - Taylor & Runnels
- Seg 4 - Callahan
- Seg 5 - Callahan, Jones,
Shackelford
- Seg 6 - Shackelford
- Seg 7 - Jones

ICBM CABLES

Line No.	Site	DAFB	CofE
1	Oplin	5	11
2	Baird	3	2
3	Denton	4	3
4	Bradshaw	7	5
5	Winters	8	12
6	Lawn	6	4
7	Shep	9	6
8	Nolan	10	7
9	Albany	2	10
10	Phantom	1	1
11	Anson	11	8
12	Corinth	12	9

BDCEIR
 DAFB, Tex
 1 Oct 63

MISSILE FACILITY
 CABLE LINES



Real Estate Maps
 for Tracts as follows:

- Seg 1 - Tracts 100-167
- Seg 2 - Tracts 200-283
- Seg 3 - Tracts 300-398
- Seg 4 - Tracts 400-462
- Seg 5 - Tracts 500-558
- Seg 6 - Tracts 600-609
- Seg 7 - Tracts 700-785

Real Estate Maps
 for Counties as follows:

- Seg 1 - Nolan & Taylor
- Seg 2 - Taylor
- Seg 3 - Taylor & Runnels
- Seg 4 - Callahan
- Seg 5 - Callahan, Jones,
Shackelford
- Seg 6 - Shackelford
- Seg 7 - Jones

ICBM CABLES

Line No.	Site	DAFB	CofE
1	Oplin	5	11
2	Baird	3	2
3	Denton	4	3
4	Bradshaw	7	5
5	Winters	8	12
6	Lawn	6	4
7	Shep	9	6
8	Nolan	10	7
9	Albany	2	10
10	Phantom	1	1
11	Anson	11	8
12	Corinth	12	9

RG 291

ABILENE, TEXAS

DYESS AFB ICBM
COMMUNICATIONS CABLE LINE

HM 1994

Box TX 13

NARA SW