

871103mg **DUPLICATE**

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

RECEIVED

NOV 3 - 1987

Federal Communications Commission
Office of the Secretary

In re Application of:)
)
SOUTHWEST EDUCATIONAL)
MEDIA FOUNDATION OF TEXAS, INC.)
)
)
For Construction Permit for)
A New Non Commercial)
FM Broadcast Station)
STANTON, TEXAS)

File No. BPED-870918NF

To: Chief, Mass Media Bureau

PETITION AS OF RIGHT TO AMEND

Comes now , SOUTHWEST EDUCATIONAL MEDIA FOUNDATION OF TEXAS, INC., and hereby request the Chief of the FM branch to accept the following Amendment:

1. The application is hereby amended to include an amended page 10, 11, 12, 13, 17, and 18; and Applicants Exhibits E-1, E-2, E-3, and E-4.

2. The purpose of this amendment is to amend certain engineering data relating to a new tower site, and supply additional information which was previously made a part of the original application referred to by number above. The Applicant's changes do not constitute a major change and is only made to benefit the public interest and insure the continuing accuracy and completeness of the information previously furnished the Commission.

3. Due diligence was used in research and preparation of this amendment which is directed toward the adduction of

information which is relevant to the instant application.

4. Please note that no other application was made during window W-21, therefore no comparative advantage to Petitioner nor prejudice to any party to this proceeding would result, good cause is shown for its acceptance.

WHEREFORE, premises considered, and good cause having been shown, it is respectfully requested that the this Amendment be accepted and made a part of the application of Southwest Educational Media Foundation of Texas, Inc. for the above referenced file number and location.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "T. Kent Atkins", is written over the typed name.

T. Kent Atkins,

SOUTHWEST EDUCATIONAL
MEDIA FOUNDATION OF
TEXAS, INC.

Date: October 28, 1987

CERTIFICATION

I hereby certify that all of the statements made in the attached amendment are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Dated, October 28, 1987

Signed



T. Kent Atkins,
Southwest Educational
Media Foundation
of Texas, Inc.

**APPLICATION FOR CONSTRUCTION PERMIT FOR
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION**
(Carefully read instructions before filling out Form—RETURN ONLY FORM TO FCC)

For Commission Use Only
File No. _____

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NOV 3 - 1987

Section I

General Information

1. Name of Applicant
Southwest Educational Media Foundation
of Texas, Inc.

Street Address
Federal Communications Commission
Office of the Secretary

2100 Hwy 360 Suite 1204

City: Grand Prairie State: TX ZIP Code: 75050 Telephone No.: (Include Area Code)

Send notices and communications to the following named person at the address below:

214- 647-1010

N
James L. Oyster

Street Address

8315 Tobin Road

City: Annandale State: VA ZIP Code: 22003 Telephone No.: (Include Area Code)

2. This application is for: AM FM TV 703-573-6765

(a) Channel No. or Frequency: 290A/105.9 Mhz

(b) Community of license:

City: Stanton State: TX

(c) Check one of the following boxes:

- Application for new station
- Major Change in Existing station; call sign: _____
- Minor Change in Existing station; call sign: _____
- Modification of Construction Permit; File No. of CP: _____
- Amendment to Pending Application; Reference Number (ARN): BPED-870918NF

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application?

YES NO

If Yes, State:

Call letters:

Community of license:

City: State:

_____-_____-_____

8. Transmitter location: State Texas County Midland
 City or Town Street Address (or other identification)
Greenwood County Road 1090S at Hwy 307

9. Overall height of complete structure above ground, including all
 appurtenances and lighting (if any, see Part 17). 109.7 meters

10. Attach as Exhibit No. E-1 map(s) (Sectional Aeronautical charts or equivalent) of the area proposed to be served and shown thereon:

- (a) Proposed transmitter location and the radials along which the profile graphs have been prepared;
- (b) The 1mV/m predicted contour;
- (c) Area (sq. mi.) and population (latest census) within 1 mV/m contour;
- (d) Scale of miles or kilometers (kilometers if available).

11. Attach as Exhibit No. E-2 a map (Sectional Aeronautical charts where obtainable) showing the present and proposed 1 mV/m (60 dbu) contours.

Enter the following from Exhibit above:

Gain Area 707.9 sq. mi.
 Loss Area --- sq. mi.

Note: This a new
 Facility

Percent change (gain area plus loss area as percentage of present area) 100 %.

If 50% or more this constitutes a major change. Indicate in question 2(e), Section I, accordingly.

12. If the main studio will not be within the boundaries of the principal community to be served, attach as Exhibit No. N/A a justification pursuant to Section 73.1125(f) of the Commission's Rules.

13. Attach as Exhibit No. E-3 map(s) (7.5 minute U.S. Geographic Survey topographic quadrangles if available) of the proposed antenna location showing the following information:

- (a) Proposed transmitter location accurately plotted with the latitude, the longitude lines clearly marked and showing a scale of statute kilometers.
- (b) Transmitter location and call letters of all AM broadcast stations within 2 miles of the proposed antenna location.

14. If there are any FM or TV stations within 200 feet of proposed antenna or non-broadcast radio stations (except amateur and citizens band), or established commercial and government receiving stations in the general vicinity which may be adversely affected by the proposed operation, attach as Exhibit No. N/A the expected effect, a description of remedial steps that may be pursued if necessary, and a statement from the applicant accepting full responsibility for the elimination of any objectionable effect on existing stations.

Name of Applicant Southwest Educational Media Foundation of Texas, Inc.

1. Purpose of authorization applied for:

- Construct a new station
- Install Auxiliary system

- Change:
- Effective radiated power
 - Antenna height above average terrain
 - Studio location outside community of license
 - Other (Summarize briefly the nature of the changes proposed.)
 - Frequency
 - Transmitter location
- Change transmitter location of Proposed Application for Construction Permit BPED-870918NF

2. Community of license: State Texas City or Town Stanton

3. Facilities requested: Frequency 105.9 MHz Channel No. 290A Class (Check one below)

A B B1 D
 C C1 C2

4. Geographic coordinates of antenna (to nearest second)

North Latitude 32° 01' 21" West Longitude 101° 55' 17"

5. Effective radiated power:

<u>Polarization</u>	<u>Horizontal Plane</u>	<u>Maximum (Beam tilt only)</u>
Horizontal	<u>3.0</u> kW	_____ kW
Vertical	<u>3.0</u> kW	_____ kW

6. Height in meters of antenna radiation center:

	<u>Above Average terrain (HAAT)</u>	<u>Above Mean Sea Level</u>	<u>Above Ground</u>
Horizontal	<u>328</u> meters	<u>926.6</u> meters	<u>100.9</u> meters
Vertical	<u>328</u> meters	<u>926.6</u> meters	<u>100.9</u> meters

7. Is a directional antenna being proposed? YES NO

If Yes, attach as Exhibit No. N/A an engineering statement with all data specified in Section 73.316(d) of the Commission's Rules.

15. Tabulation of Terrain Data. (Calculated in accordance with the procedure prescribed in Section 73.313 of the Commission's Rules utilizing 7.5 minute topographic maps, if available.)

Radial bearing (degrees true)	Height of antenna, radiation center above average elevation of radial (3-16 kilometers) Meters	Predicted Distance
		To the 1 mV/m contour Kilometers
0°	97.5	23.68
45°	108.3	24.96
90°	113.9	25.6
135°	119.0	26.08
180°	102.4	24.32
225°	95.7	23.52
270°	86.1	22.4
315°	76.7	21.28

Allocation Studies

(See Subpart C of Part 73 of the Commission's Rules and Regulations)

16. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico? Yes No

If Yes, attach as Exhibit No. N/A showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

Filing under window W-21.

17. With regard to stations within 320 kilometers (199 miles) of the common border between the United States and Mexico, attach as Exhibit No. N/A information required in 1/.
Filing under window number W-21.

18. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), then with regard to stations more than 320 kilometers (199 miles) from the common border between the United States and Mexico or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as Exhibit No. _____ a complete allocation study to establish the lack of prohibited overlap of contours involving these stations. The allocation study should include the following:

Filing under window W-21 as a Non-Commercial Educational

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of miles and properly labeled longitude and latitude lines, shown across the entire (Exhibit(s)). Sufficient lines should be shown so that the location of the sites may be verified.
- (h) The name of the map(s) used in the exhibit(s).

1/ A showing that the proposed operation meets the minimum distance separation requirements. If any separations are proposed that are less than the applicable minimum separation requirements plus 15 kilometers, include these stations. Also include existing stations, proposed stations, and cities which appear in the Table of Assignments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

19. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada? Yes No
If Yes, attach as Exhibit No. N/A a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

20. With regard to station separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as Exhibit No. E-5 information required in 1/ (separation requirements involving intermediate frequency [i.f.] interference). Please note Midland Allocation on Exhibit E-5. Separation is within range. Yes No

21. Is the proposed operation on Channel 218, 219 or 220? Yes No
If Yes, attach as Exhibit No. N/A information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222, and 223.

22. Is the proposed station for a channel in the range from Channel 201 to 221 (88.1-91.9 MHz) and the proposed antenna location within the Grade B contour of a channel 6 television station or sufficiently near the Grade B contour that a question of interference to channel 6 may be raised? Yes No
If Yes, attach as Exhibit No. N/A a map showing the Grade B contour of the television station and the proposed antenna location. Also include discussion of the possibility of interference to the Channel 6 station and the steps proposed to remedy any interference which may occur.

23. Is the proposed station for a channel in the range from Channel 221 to 300 (92.1-107.9 MHz)? Yes No
Applicant is filing as a NCE under allocated window W-21.
If Yes, attach as Exhibit No. — information required in 1/ (Except for class D [secondary] proposals.)

24. If the proposed antenna location is in or near a populated area, attach Exhibit No. See Below a discussion of blanketing and the steps proposed to remedy any interference which may occur. Applicant
Antenna system is located in a sparsely populated "oil field" area. will render any assistance necessary to remedy.

25. Environmental Statement, See Part I, Subpart 1 of the Commission's Rules.

Would a Commission grant of this application be a major action as defined by Section 1.1305 of the Commission's Rules? Yes No

If Yes, attach as Exhibit No. N/A narrative statement in accordance with Section 1.1311 of the Commission's Rules.

If No, explain briefly. The antenna will be side mounted on an existing tower.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

October 27, 1987
Date

T. Kent Atkins Name
T. Kent Atkins Signature (check appropriate box below)

2100 Hwy 360, Suite 1204
Address (include ZIP Code)

Grand Prairie, TX 75050

(214) 647-1010
Telephone No. (include Area Code)

- Technical Director
- Registered Professional Engineer
- Chief Operator
- Technical Consultant
- Other (Specify)

Section V-G

Antenna and Site Information

Name of Applicant Call Sign New Station Location
 Southwest Educational Media Foundation of Texas, Inc. -- Stanton, Texas

Purpose of Application (Put "X" in appropriate box) <input type="checkbox"/> New antenna construction <input checked="" type="checkbox"/> Alteration of existing antenna structure <input type="checkbox"/> Change in location	Facilities Requested New FM broadcast station. Antenna to be side-mounted on an existing tower.
---	--

1. Location of Antenna:
 State County City or Town
 Texas Midland Midland/Stanton

Exact antenna location (street address). If outside city limits, give name of nearest town and distance and direction of antenna from town.
 :At the intersection of Hwy 307 and County Road 1090S.

Geographical coordinates (to nearest second). For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

North Latitude ° ' " West Longitude ° ' "
 32 01 21 101 55 17

2. Is the proposed site the same transmitter-antenna site of other stations authorized by the Commission or specified in another application pending before the Commission? YES NO

If Yes, give call sign:

3. Has the FAA been notified of proposed construction? YES NO
 If Yes, give date and office where notice was filed.

4. List all landing areas within 5 miles of antenna site. Give distance and direction to the nearest boundary of each landing area from the antenna site.

Landing Area	Distance	Direction
(a) <u>None</u>	_____	_____
(b) _____	_____	_____
(c) _____	_____	_____

See below

5. Attach as Exhibit No. _____ a description of the antenna system, including whether tower(s) are self-supporting or guyed. If a directional antenna, give spacing and orientation of towers. Antenna will be side mounted on an existing uniform steel sectional guyed tower. The antenna is omni-directional.

Tower	#1	#2	#3	#4	#5	#6
Overall height above ground (include obstruction lighting)	meters	109.7				
	feet	360.0				
Overall height above mean sea level (include obstruction lighting)	meters	1185.7				
	feet	3069.0				

6. Attach as Exhibit No. E-4 a vertical plan sketch for the proposed total structure (including supporting building, if any) giving heights above ground in feet and meters for all significant features. Clearly indicate existing portions, noting lighting, and distinguish between the skeletal or other main supporting structure and the antenna elements.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

T. Kent Atkins

T. Kent Atkins

Name

Signature (Check appropriate box below)

2100 Hwy 360, Suite 1204

Address (include ZIP Code)

Grand Prairie, TX 75050

(214) 647-1010

Telephone No. (Include Area Code)

Technical Director

Registered Professional Engineer

Other (specify)

Technical Consultant

Chief Operator



315°

0°

45°

270°

90°

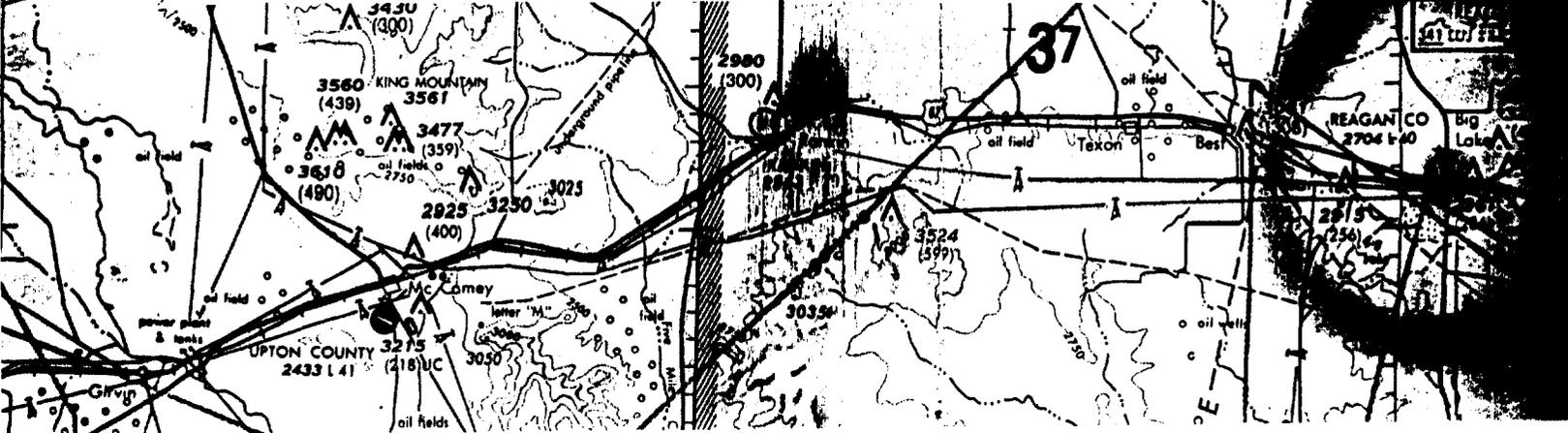
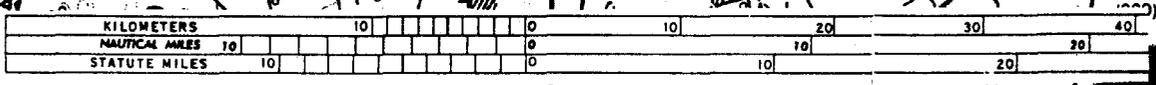
1 mV/m

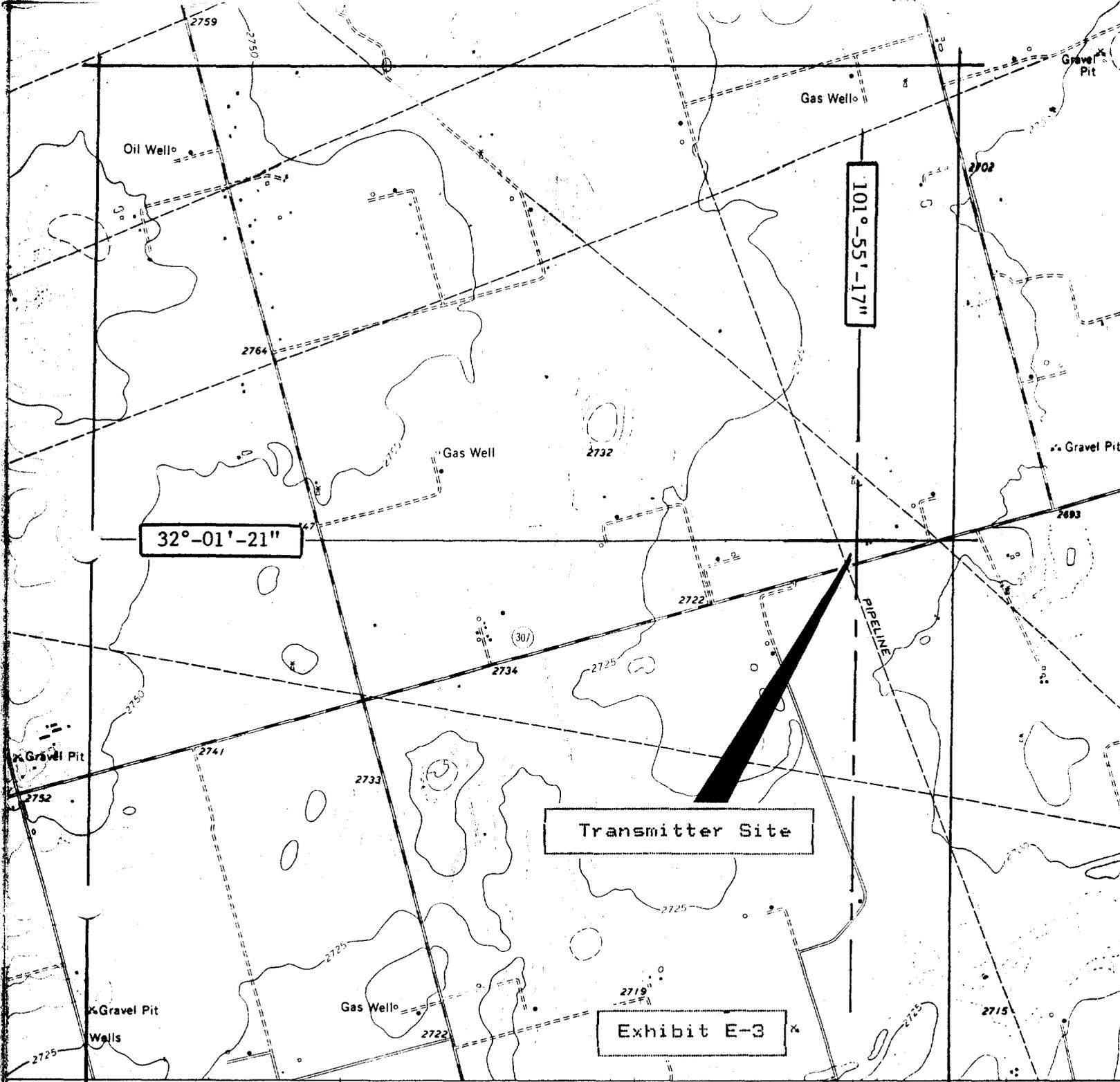
Transmitter Site

Exhibit E-1
 Area in square miles within
 the 1 mV/m contour is 707.92
 miles or 1833.52 Kilometers
 Population within the 1 mV/m
 contour is 83,678

Exhibit E-2

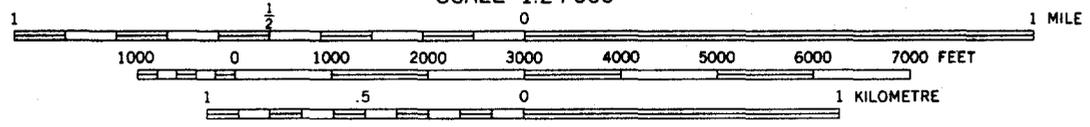
Transmitter is located at the center
 of the innermost circle, with a
 North Latitude of 32° 01' 21"
 West Longitude of 101° 55' 17"





(STEPHENSON LAKE)
5647 IV NW

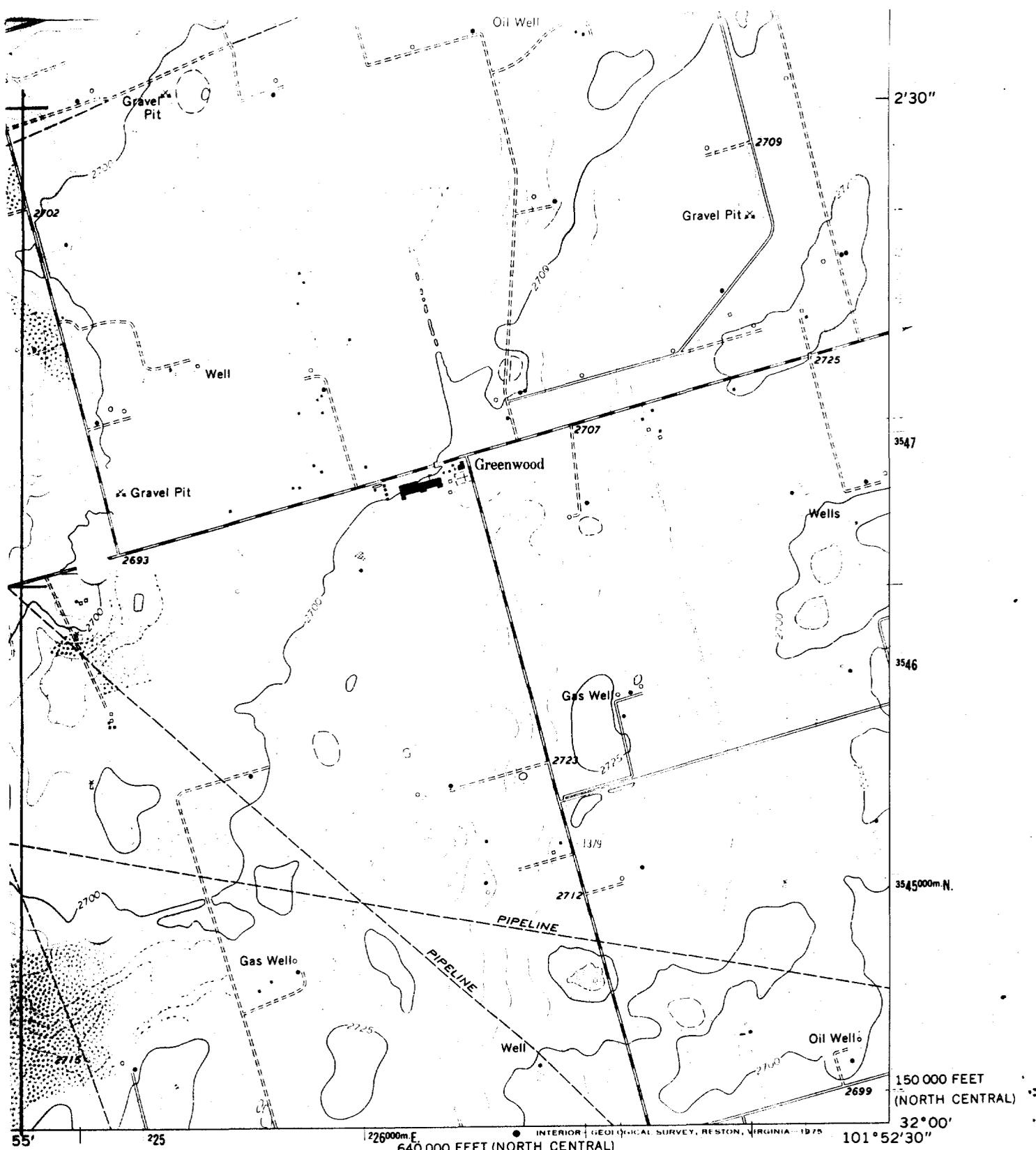
SCALE 1:24 000



CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADI



ROAD CLASSIFICATION

- | | | | |
|------------------------------------|-------|--|-------|
| Primary highway,
hard surface | ————— | Light-duty road, hard or
improved surface | ————— |
| Secondary highway,
hard surface | ————— | Unimproved road | ----- |
| Interstate Route | ————— | U. S. Route | ————— |
| | | State Route | ————— |



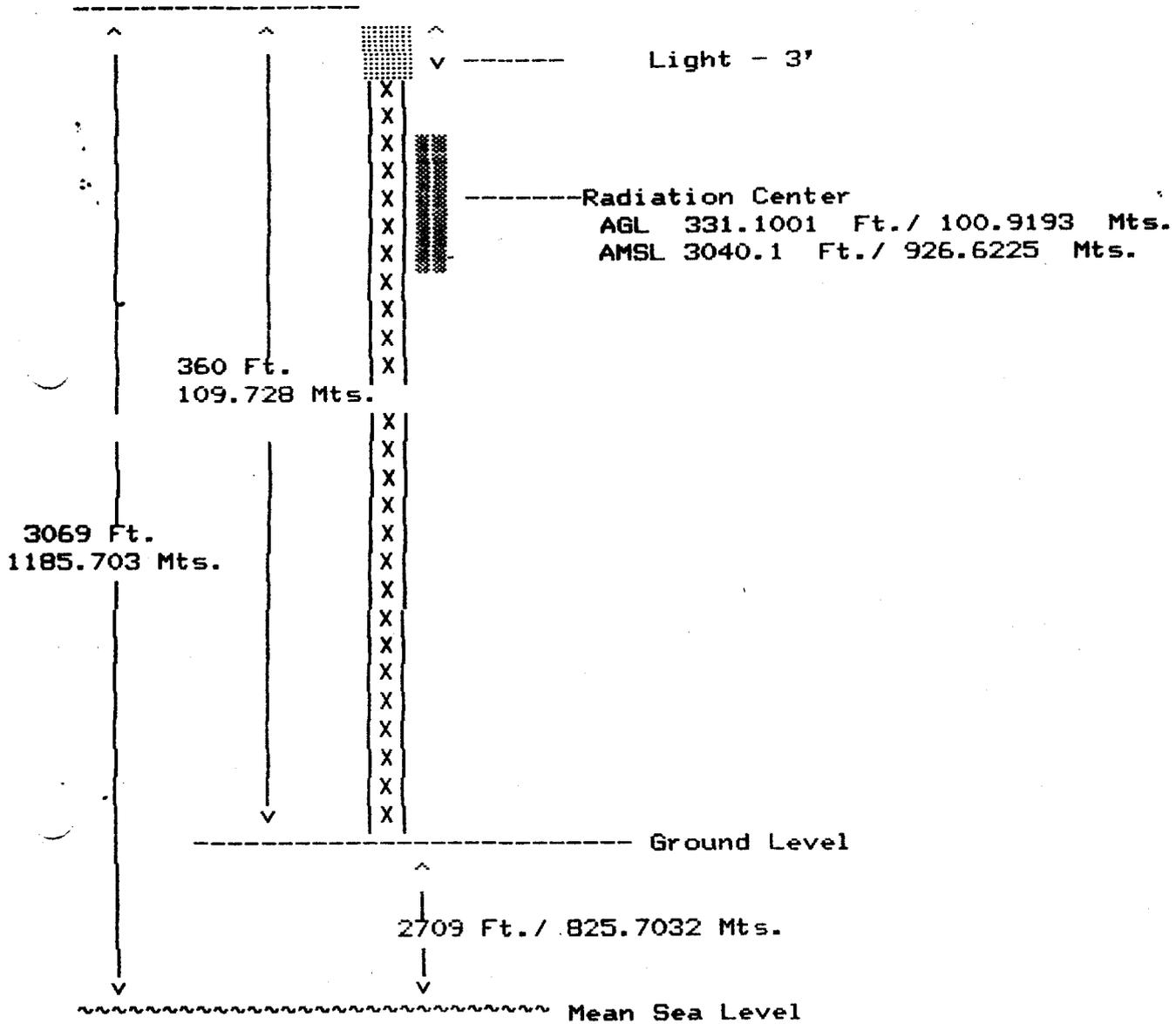
QUADRANGLE LOCATION

GERMANIA, TEX.
N3200—W10152.5/7.5

1966
PHOTOREVISED 1974
AMS 5648 III SW—SERIES V882

(SPRABERRY)
5647 IV NE

Vertical Plan Sketch of Total Structure Channel 290 Class A



NOTE : NOT TO SCALE

Element Depictions are Purely Symbolic

Shively Laboratories FM Antenna Model 6810
 3 Bays - Power Gain 1.55 (1.91 db)
 Vertical Aperture 27 Feet

October 27, 1987

Exhibit # 1

Section V-B, 15 Of FCC Form 340

Southwest Educational Media

Stanton Texas

Channel 290 Class A

Bearing	Average Terrain Radial	Radiation Center A.A.T.	3.15 mV/m Miles/ Kilometers	1 mV/m Miles/ Kilometers
0	2720.3 / 829.1475	319.8001 / 97.47506	8.4 / 13.44	14.8 / 23.68
45	2684.7 / 818.2966	355.4002 / 108.326	8.9 / 14.24	15.6 / 24.96
90	2666.2 / 812.6578	373.9002 / 113.9648	9.1 / 14.56	16 / 25.6
135	2649.5 / 807.5676	390.6001 / 119.0549	9.3 / 14.88	16.3 / 26.08
180	2704.1 / 824.2097	336 / 102.4128	8.6 / 13.76	15.2 / 24.32
225	2726 / 830.8848	314.1001 / 95.73771	8.3 / 13.28	14.7 / 23.52
270	2757.5 / 840.486	282.6001 / 86.13651	7.9 / 12.64	14 / 22.4
315	2788.5 / 849.9348	251.6001 / 76.68771	7.5 / 12	13.3 / 21.28

The Center Of Radiation Above Mean Sea Level is 3040.1 Feet or
926.6225 Meters

The Average Terrain Elevation is 2712.1 Feet or
826.6481 Meters

The Radiation Center Above Average Terrain (HAAT) IS 328 Feet or
99.9744 Meters

The Area Within the 1 mV/m Contour is 707.9244 Square Miles or
1833.51 Square Kilometers

POPULATION COUNT (1980 CENSUS)

JOB TITLE : STANTON2 TEXAS

-----TOTAL POPULATION WITHIN CONTOUR(S)-----
1 CONTOUR
1.000

STATE OF TEXAS

+++++*****

MARTIN COUNTY (TX)

STANTON CITY 2314
REMAINDER OF STANTON DIVISION 711

TOTALS FOR MARTIN COUNTY 3025

MIDLAND COUNTY (TX)

MIDLAND CITY 69844
REMAINDER OF MIDLAND DIVISION 1167
MIDLAND CITY 681
REMAINDER OF MIDLAND RURAL DIVI 8961

TOTALS FOR MIDLAND COUNTY 80653

+++ TX STATE TOTALS +++ 83678

*** TOTAL POPULATION *** 83678

T. KENT ATKINS
DALLAS, TEXAS

Page 1
October 27, 1987

TERRAIN AVERAGING PROGRAM

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solely for the standard business uses of
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in the information hereby provided, and shall not be liable for any
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use of the said information.

JOB TITLE: STANTON2 TEXAS

LATITUDE: 32-01-21
LONGITUDE: 101-55-17

BEARING (DEG-TRUE)	2-10 MILE AVERAGE TERRAIN ELEVATION	
	(FEET)	(METERS)
.0	2720.3	829.1
45.0	2684.7	818.3
90.0	2666.2	812.7
135.0	2649.5	807.6
180.0	2704.1	824.2
225.0	2726.0	830.9
270.0	2757.5	840.5
315.0	2788.5	849.9
AVERAGE:	2712.1	826.7

This program uses the NGDC 30-second database. Average effective antenna heights give good results, but retrieval of spot elevations, such as ground elevations at an individual site, is relatively crude and should be used with caution.