October 15, 1959

McPar Geophysics Ltd.,
139 Bond Avenue,
Don Mills, Ontario.

Attention Mr. G. B. Paul:

RECEIVED OCT 19 1959

Gentlemen:

Since the First of September we have been renting from you AFMAG Unit Serial #5913, and using the instrument in Western British Columbia. Out of our office in Albuquerque, New Mexico, we have been renting and using Unit Serial #5912 since mid-July. Both of these units have performed very satisfactorily, and we are seriously considering purchasing one of them.

We have checked rather thoroughly with Canadian and United States Customs officials, and have determined that Unit 5912, upon which U. S. duties have been paid, can now be used on both sides of the border without payment of additional duties. It therefore appears desirable to purchase this unit and to return Unit 5913 to you. We do not anticipate any further work for an AFMAG unit in the United States during the balance of the present season. On the other hand, we would like to continue work with the unit in British Columbia as long as weather permits and the fields remain adequate. Therefore, if satisfactory arrangements can be made with you regarding purchase terms, we plan to ship Unit 5912, presently in Tucson, Arizona, to our Vancouver office, and to return Unit 5913 to you as soon as we receive Unit 5913.

I would appreciate it if at your earliest convenience you would inform us as to portion of the rentals on either or both units which would apply on the purchase of Unit 5912, and what the balance will be in the event we do buy the instrument.

We would like to have this information at your earliest convenience.

Sincerely Yours,
CHAPMAN, WOOD & GRISWOLD LTD.

E. P. Chapman, Jr.

c.c. Chapman, Wood &
Griswold ~~Ltd.~~, Albuquerque.
Heinrichs Geoexploration Co.
Vernon Taylor, Jr.

EPC/JYJ

8 S at B.L.

12 S at 4 E

16 S at B.L.

20 S at 21 W

20 S at 22 E

~~24 S at 19 W~~

~~24 S at 2 W~~

~~24 S at 5-6 E~~

~~24 S at 9 E~~

~~24 S at 24 E~~

~~24 S at 2 E~~

~~24 S at 13 E~~

~~28 S at 12 E~~

~~28 S at 26 E~~

~~28 S at 34 E~~

~~30 S at 1-2 E~~

~~30 S at 6 E~~

~~30 S at 30 E~~

~~32 S at B.L.~~

AFMAG CROSSOVERS

Line 32S Sta. 0 E/W

Ratio = $\frac{3+20}{4+21} = \frac{23}{25} = 0.92$ = good conductivity

Dip to west.

shallow depth.

Line 30S Sta. 0 E/W

Ratio = $\frac{1+3}{3+8} = \frac{4}{11} = 0.36$ = poor conductivity

Dip to east.

Depth: deep.

Line 30S Sta. 6E

Ratio = $\frac{2+3}{2+3} = \frac{5}{5} = 1.0$ = Excellent conductivity

Dip to west

Moderate depth

Line 28S Sta. 12E

Ratio = $\frac{2+7}{3+6} = \frac{9}{9} = 1.0$ = Excellent conductivity

Dip to west

Moderate depth

Line 28S Sta. 14W

Ratio = $\frac{0+14}{0+15} = \frac{14}{15} = 0.93$ = Excellent conductivity

Dip to east

Shallow depth

Line 26S Sta. 2E

Ratio = $\frac{2+12}{3+7} = \frac{14}{10} = 1.4$ = Super conductivity

Dip to east

shallow depth

Line 26S Sta. 13E

Ratio = $\frac{1+8}{1+9} = \frac{9}{10} = 0.90$ = Good conductivity

Dip to east

Moderate depth

Line 24S Sta. 27E

Ratio = $\frac{30+6}{22+9} = \frac{36}{31} = 1.16$ = Excellent conductivity

Dip to east

Moderate depth

Line 24S Sta. 2W

Ratio = $\frac{2+14}{5+14} = \frac{16}{19} = 0.84$ = Good conductivity

Dip to east

Moderate depth.

Line 24S Sta. 19 West

Ratio $= \frac{8+6}{7+6} = \frac{14}{13} = 1.07 =$ Excellent conductivity

Dip to west

Moderate to deep depth.

Line 22S Sta. 9 E

Ratio $\frac{4+36}{(-1)+37} = \frac{40}{36} = 1.11 =$ Excellent conductivity

Dip to west

Shallow depth.

AFMAG DAILY LOG

Date: 7/31/59 - 6AM
Clear, Few Stratus Wind NE

Area: D-1-A (C.G.)

Location: High Lonesome Base 12S-36+00E

1. Battery test: A1 42
   A2 42
   A3 46
   B1 43
   B2 41

2. Balance Check:
   Deviation 1 Divisions

3. A. C. Gain Check

	Level 1	Level 2
(a) High frequency Maximum	40	40
(" " Instrument noise	4	2
(b) Low " Maximum	40	40
" " Instrument "	4	1

4. Signal to noise Ratio

	Low	High
(a) Instrument Noise	4	32
(b) System Noise	36	60+?

Ratio: 9:1 2:1 ±

AFMAG DAILY LOG

Date: 7-30-59

Area: P1A C-G

Location: High Lonesome Base 12 S, 36+00E

1. Battery test: A1 44

A2 44

A3 48

B1 44

B2 42

2. Balance Check:

Deviation 1/4 Divisions

3. A. C. Gain Check

			Level 1	Level 2
(a)	High frequency	Maximum	40	40
(	" "	Instrument noise	0	0
(b)	Low "	Maximum	40	40
	" "	Instrument "	0	0

4. Signal to noise Ratio

	Low	High
(a) Instrument Noise	2	36
(b) System Noise	55	60+

Ratio: 1:27 1:2+

AFMAG DAILY LOG

Date: 7/29/59

Time 9:20

Area: Courtland

Location: Line 28N Sta 30+00E

1. Battery test:

A1	44
A2	44
A3	48
B1	45
B2	43

2. Balance Check:

Deviation 1/2 Divisions

3. A. C. Gain Check

	Lev I	Lev 2
(a) High frequency Maximum	40	40
(" " Instrument noise	8	2
(b) Low " Maximum	40	40
" " Instrument "	2	0

4. Signal to noise Ratio

	Low	High
(a) Instrument Noise	2	36
(b) System Noise	40	60+
Ratio:	1:20	1:2

8:15 A.M.

AFMAG DAILY LOG

Date: 7-29-59

Area: Gleeson Base station

Approx. Location: Line 12 S, Stg. 36+00E - on High Line Rd. 2800' by road south of road west to windmill near line 8 S

1. Battery test:

A1	44
A2	44
A3	48
B1	44
B2	43

2. Balance Check:

Deviation 1/2 Divisions

3. A. C. Gain Check

	Lev. 1	Lev. 2
(a) High frequency Maximum	40	40
(" " Instrument noise	6	0
(b) Low " Maximum	40	40
" " Instrument "	2	0

4. Signal to noise Ratio

	Low	High
(a) Instrument Noise	2	40
(b) System Noise	40	60+

Ratio: 1:20 1:1.5+

AFMAG DAILY LOG

Date: 7-28-59

Area: Middlemarch road

Location: 20,800 ft from Hwy. Flagged on north side w/white flagging. 1/2 way between 2 power lines (about 1 1/2 miles from each). (west line: N65W, East line N30W) (Big wash, same as on Gleeson Road is 23,000 from Hwy).

1. Battery test:

A1	44
A2	44
A3	48
B1	45
B2	43

2. Balance Check:

Deviation 0 Divisions

3. A. C. Gain Check

	Lev 1	Lev 2
(a) High frequency Maximum	40	40
(" " Instrument noise	0	0
(b) Low " Maximum	40	40
" " Instrument "	0	0

4. Signal to noise Ratio

	Low	High
(a) Instrument Noise	2	34
(b) System Noise	60+	60+
Ratio:	1:30+	1:2+

AFMAG DAILY LOG

Date: 7/28/59

Area: Gleason

Location: Line 28 N Sta 30+00

1. Battery test:

A1	41	46
A2	41	46
A3	44	50
B1	44	46
B2	40	45

2. Balance Check:

Deviation ½ , 0 Divisions

3. A. C. Gain Check

	Lev. I	Lev 2
(a) High frequency Maximum	40	40
(" " Instrument noise	8	5
(b) Low " Maximum	40	40
" " Instrument "	6	0

4. Signal to noise Ratio

	Low	High
(a) Instrument Noise	4	35
(b) System Noise	40	60+

	Low	High
Ratio:	1:10	1:2

AFMAG DAILY LOG

Date: 7/27/59

Area: Stenson

Location: Line 28 N Station 30+00E

1. Battery test: A1 41
A2 42
A3 45
B1 44+
B2 41

2. Balance Check:
Deviation 0 Divisions

3. A. C. Gain Check

	Lev 1	Lev 2
(a) High frequency Maximum	40	40
(" " Instrument noise	½	½
(b) Low " Maximum	40	40
" " Instrument "	½	½

4. Signal to noise Ratio

	Low	High
(a) Instrument Noise	5	35+
(b) System Noise	60	60+
Ratio:	1:12	1:2

AFMAG DAILY LOG

8/1/59 5:50 A.M.

P1A, Courtland — clear, no wind, considerable clouds.

Base at 28N, 30+00E

1. Batt. test

A1	42
A2	42
A3	46
A4	44
A5	42

2. Bal. check: Dev. 3/4 Divisions

3. A.C. gain check

	Lev. 1	Lev 2
(a) Hi freq. max.	40	40
" " Inst. noise	4	1
(b) Low " max.	40	40
" " Inst. noise	2	0

4. Signal to noise ratio

	Low	High
(a) Inst. noise	4	36
(b) System "	45	60+ ?
Ratio	11:1	2:1 ±

AFMAG DAILY LOG

Area: West Gate & Sanford Date: 6/4/59

Location: Safford Project Graham County ARIZ
(Bear Creek)

1. Battery Test:

A^1 47
A^2 47
A^3 42
B^1 40
B^2 42

2. Balance Check:

Deviation ok. Divisions

3. A. C. Gain Check: LEV #1 LEV #2

a. High Frequency Maximum.

High Frequency Instrument Noise.

b. Low Frequency Maximum

Low Frequency Instrument Noise.

4. Signal to Noise Ratio

a. Instrument Noise _____

b. System Noise _____

Ratio: _____

Field Pow. (Preclude low freq?)

AFMAG DAILY LOG

Area: Courtland Date: 6/1/59

Location: Astie

1. Battery Test:

A^1 44

A^2 43

A^3 41

B^1 41

B^2 43

2. Balance Check:

Deviation neg. Divisions

3. A. C. Gain Check:

a. High Frequency Maximum. +40

High Frequency Instrument Noise. 01 Div.

b. Low Frequency Maximum +40

Low Frequency Instrument Noise. 01 Div.

4. Signal to Noise Ratio

a. Instrument Noise _____

b. System Noise _____

Ratio: 40:1

AFMAG DAILY LOG

Area: Pima Date: 6-2-59

Location: NW end pit

1. Battery Test:

A^1 44

A^2 43

A^3 40

B^1 40

B^2 42

2. Balance Check:

Deviation ONE (1) Divisions

3. A. C. Gain Check:

a. High Frequency Maximum. 45

High Frequency Instrument Noise. 1

b. Low Frequency Maximum 40

Low Frequency Instrument Noise. 1

4. Signal to Noise Ratio

a. Instrument Noise _____

b. System Noise _____

Ratio: 40:1

AFMAG DAILY LOG

Area: PIMA.

Date: 6-3-59

Location:

NEW BATTERIES

1. Battery Test:

A^1 48

A^2 48

A^3 44

B^1 40+

B^2 43

2. Balance Check:

Deviation 1 Divisions

3. A. C. Gain Check:

a. High Frequency Maximum. 40

High Frequency Instrument Noise. 1/2

b. Low Frequency Maximum 40

Low Frequency Instrument Noise. 1/2

4. Signal to Noise Ratio

a. Instrument Noise _____

b. System Noise _____

Ratio: _____

AFMAG DAILY LOG

Area: Gleeson So. Prelim. Date: 6/3/59

Location: Turquoise Cochise County Ariz

6	5
7	8

Sta 1

20S 25E

1. Battery Test:

A^1 47

A^2 47

A^3 40

B^1 42

B^2 43

2. Balance Check:

Deviation_____Divisions

3. A. C. Gain Check:

a. High Frequency Maximum.

High Frequency Instrument Noise.

b. Low Frequency Maximum

Low Frequency Instrument Noise.

4. Signal to Noise Ratio

a. Instrument Noise _____

b. System Noise _____

Ratio:_____

AFMAG DAILY LOG

Area:_____ Date:_____

Location:_____

1. Battery Test:

A^1 45

A^2 45

A^3 42

B^1 40

B^2 41

2. Balance Check:

Deviation 0 Divisions

3. A. C. Gain Check:

a. High Frequency Maximum. 40

High Frequency Instrument Noise. 2

b. Low Frequency Maximum 10

Low Frequency Instrument Noise. 0

4. Signal to Noise Ratio

a. Instrument Noise _____

Max orient. b. System Noise _____

Ratio:_____

F

AFMAG DAILY LOG

Date: June 18, 1959

Area: BANNER - Twin Buttes

Location: Pima Co. Arizona

1. Battery Test:

A^1	48
A^2	47
A^3	42
B^1	40
B^2	40

2. Balance Check:

Deviation _____ Divisions

3. A. C. Gain Check

	Level 1	Level 2
a. High Frequency Maximum	40	40
High Frequency Instrument Noise.	1/2	0
B. Low Frequency Maximum	30	40
Low Frequency Instrument Noise	0	0

4. Signal to Noise Ratio

a. Instrument Noise _____

b. System Noise _____

Ratio: _____

HEINRICHS GEOEXPLORATION COMPANY

September 10, 1959

McPhar Geophysics Ltd.
139 Bond Avenue
Don Mills, Ontario, Canada

Attn: Mr. D.B. Southerland

Gentlemen:

We enclose our check no. 474 in the amount of $1,145.82 USCy. in payment of your invoice G2111 August 19, 1959 for rental and freight charges on AFMAG unit #5912 for the period May 26 to August 17.

It is our understanding that there is to be some adjustment in charges attributable to the original trial unit #5908 brought down by Dr. Ward for our evaluation purposes, this adjustment apparently being justified by a series of malfunctions which have been documented by Heinrichs Geoexploration Company.

In talking to Walt Heinrichs about this matter recently he advised that upon completion of the current project, he will write a summary outlining the comparative performances of the two units. Upon receipt of this summary I trust that you will go along with a modest adjustment in billing on the original instrument.

Incidentally we have never received a copy of rental-purchase agreement for unit no. 5908 and would appreciate having same at your earliest convenience.

Apparently we are rapidly approaching the end of the operating season for AFMAG in the southwest U.S. and we are wondering what arrangements might be made to keep unit no. 5908 down here during the winter in anticipation of using it again next summer. It is possible that we may decide to purchase this unit, but would prefer to delay a decision until we have completed some exploratory drilling on the anomalous areas detected on the current project. If we return the instrument to you prematurely, we will be taking a heavy penaly on the $1,100 import duties levied against us.

Very truly yours,

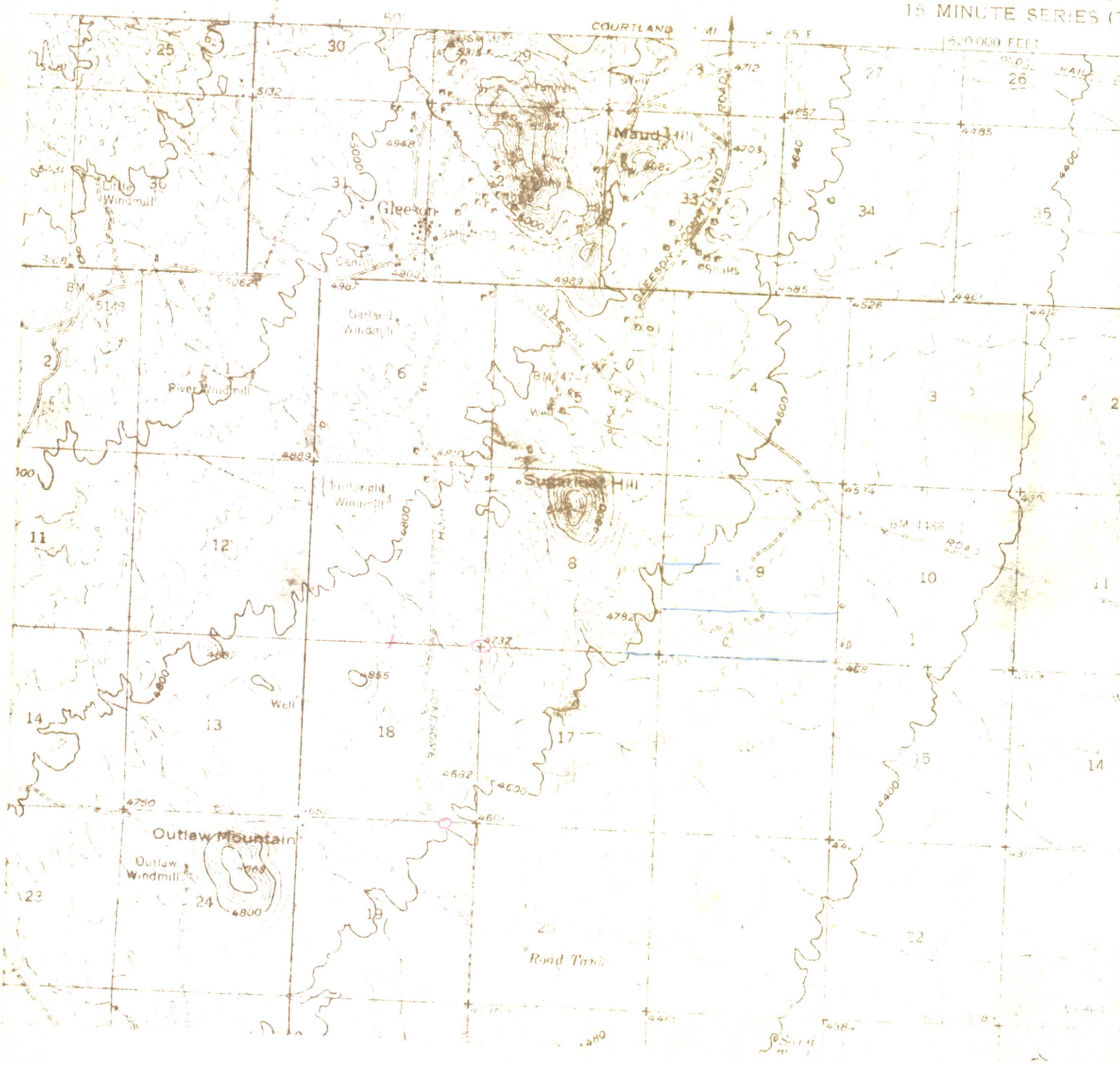
CHAPMAN, WOOD & GRISWOLD

John A. Wood

cc: Heinrichs Ward File

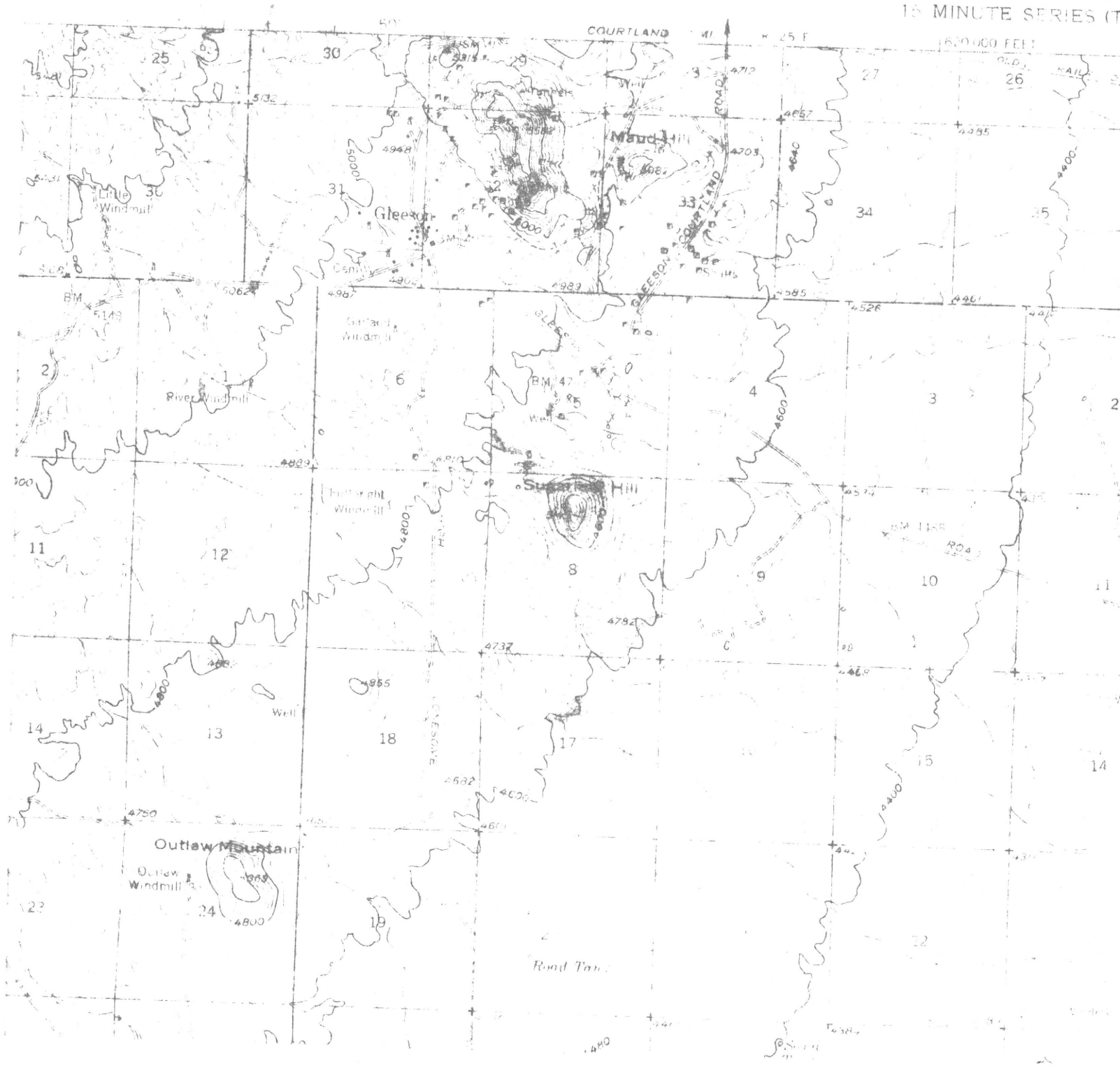
Advance Sheet
Subject To Correction

GLEESON QUA
ARIZONA - COC
15 MINUTE SERIES (



Advance Sheet
Subject To Correction

GLEESON QUAD
ARIZONA COCH
15 MINUTE SERIES (T



No. 162. LOCATION CERTIFICATE—Lode Claim.—Bradford-Robinson Pt. Co., Mfrs. Robinson's Legal Blanks, Denver, Colo.

KNOW ALL MEN BY THESE PRESENTS: That John A. Wood, a citizen of the United States, has located the CHACO 108 lode mining claim, and by this certificate, and by right of discovery and location, claims 1500 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles and variations as allowed by law, 1450 feet on said vein running south from the center of the discovery monument and 50 feet running north from the center of the discovery monument, together with 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits and surface ground within the lines of said claim, situate in Turquoise Mining District, County of Cochise, and State of Arizona and described by meets and bounds as follows, to-wit:

Beginning at Corner No. 1, the northeast corner; thence south 1500 feet to corner no. 2, the southeast corner; thence west 300 feet to the south end center; thence west 300 feet to corner no. 3, the southwest corner; thence north 1500 feet to corner no. 4, the northwest corner; thence east 300 feet to the north end center; thence east 300 feet to point of beginning.

This claim lies in the northeast quarter of Sec. 25., T. 20 S., R. 24 E., G&SRB&M; and is adjoined on the north by CHACO 91 claim.

The discovery monument is 900 feet west of the east line of Sec. 25 and 50 feet south of the north line of Sec. 25

Said lode was discovered on the ..... day of September, A. D. 19 59

and located on the ..... day of September, A. D. 19 59

Dated this ..... day of September, A. D. 19 59

John A. Wood [SEAL]

[SEAL]

[SEAL]

[SEAL]

[SEAL]

[SEAL]

No. 162. LOCATION CERTIFICATE—Lode Claim.—Bradford-Robinson Printing Co., Mfrs. Robinson's Legal Blanks, Denver, Colo.

KNOW ALL MEN BY THESE PRESENTS: That John A. Wood, a citizen of the United States,

have located the CHACO 109 lode mining claim, and by this certificate, and by right of discovery and location, claim 1500 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles and variations as allowed by law 1450 feet on said vein running south from the center of the discovery monument and 50 feet running north from the center of the discovery monument, together with 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits and surface ground within the lines of said claim, situate in Turquoise Mining District, County of Cochise, and State of Arizona and described by metes and bounds as follows, to-wit:

Beginning at Corner No. 1, the northeast corner; thence south 1500 feet to corner no. 2, the southeast corner; thence west 300 feet to the south end center; thence west 300 feet to corner no. 3, the southwest corner; thence north 1500 feet to corner no. 4, the northwest corner; thence east 300 feet to the north end center; thence east 300 feet to point of beginning.

This claim lies in the northeast quarter of Sec. 25, T. 20 S., R. 24 E., G&SRB&M; and is adjoined on the north by CHACO 95 claim.

The discovery monument is 1500 feet west of the east line of Sec. 25 and 50 feet south of the north line of Sec. 25.

Said lode was discovered on the ..... day of September, A. D. 19 59

and located on the ..... day of September, A. D. 19 59

Dated this ..... day of September, A. D. 19 59

John A. Wood [SEAL]

[SEAL]

[SEAL]

[SEAL]

[SEAL]

[SEAL]

No. 162. LOCATION C

's Legal Blanks, Denver, Colo

KNOW ALL M THE

n A. Wood,

n of the United States,

has located the CHACO 110 lode mining clai

this certificate, and by right of di l location, claims

1500 r and horizontal measurement along the vein thereof,

all its dips, angles and variat d by law, 1450

feet on said vein running from the center of

the discovery monument and 50

feet running no from the center of the discovery

monument with 300

feet on each side of the middle said vein at the surface, and all veins, lodes, ledges, deposits and surface ground within the lines of said claim, situate in Turquoise

Mining District, County of Cochise, and State of Arizona

and described by metes and bounds as follows, to-wit:

Beginning at Corner No. 1, the northeast corner; thence south 1500 feet to corner no. 2, the southeast corner; thence west 300 feet to the south end center; thence west 300 feet to corner no. 3, the southwest corner; thence north 1500 feet to corner no. 4, the northwest corner; thence east 300 feet to the north end center; thence east 300 feet to point of beginning.

This claim lies in the northeast quarter of 25, R. 24 E., G&SRB&M; and is adjoined on the north by CHACO 99

The discovery monument is 2100 feet west of the east line of Sec. 25 and 50 feet south of the north line of Sec. 25.

Said lode was discovered on the day of September, A. D. 1959

and located on the day of September, 1959

Dated this day of September, A. D. 1959

John A. Wood [SEAL]

[SEAL]

[SEAL]

[SEAL]

[SEAL]

[SEAL]

KNOW ALL MEN BY THESE PRESENTS: That John A. wood,

a citizen of the United States,

has located the CHACO 107 lode mining claim, and by this certificate, and by right of discovery and location, claims 1500 feet, linear and horizontal measurement along the vein thereof, with all its dips, angles and variations as allowed by law, 1450 feet on said vein running south from the center of the discovery monument and 50 feet running north from the center of the discovery monument, together with 300 feet on each side of the middle of said vein at the surface, and all veins, lodes, ledges, deposits and surface ground within the lines of said claim, situate in Turquoise Mining District, County of Cochise, and State of Arizona and described by metes and bounds as follows, to-wit:

Beginning at Corner No. 1, the northeast corner; thence south 1500 feet to corner no. 2, the southeast corner; thence west 300 feet to the south end center; thence west 300 feet to corner no. 3, the southwest corner; thence north 1500 feet to corner no. 4, the northwest corner; thence east 300 feet to the north end center; thence east 300 feet to point of beginning.

This claim lies in the northeast quarter of Sec. 25, T. 20 S., R. 24 E., G&SRB&M; and is adjoined on the north by CHACO 87 claim.

Corner no. 1 is the northeast corner of Sec. 25, T. 20 S., R. 24 E., G&SRB&M.

Said lode was discovered on the ____ day of September, A. D. 1959
and located on the ____ day of September, A. D. 1959
Dated this ____ day of September, A. D. 1959

John A. Wood [SEAL]

[SEAL]

[SEAL]

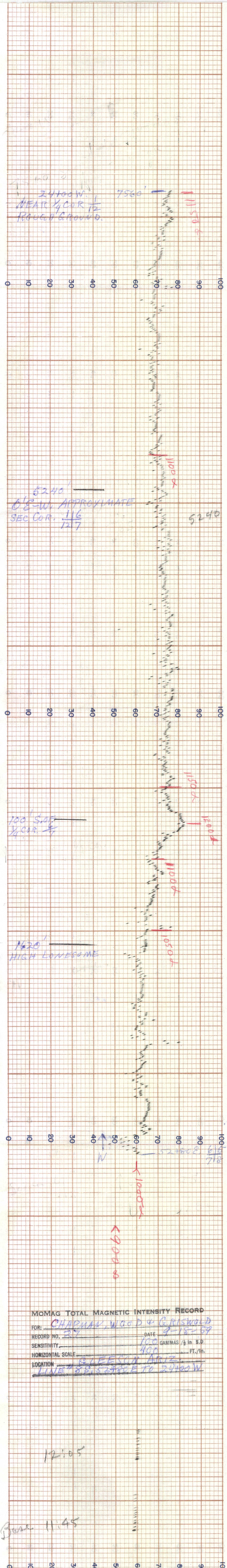
[SEAL]

[SEAL]

[SEAL]

P-1-A MoMag Records.

ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. ES



THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 17491X

MOMAG TOTAL MAGNETIC INTENSITY RECORD

FOR: CHAPMAN, WOOD & GRISWOLD

RECORD NO. 32 DATE 9-18-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION GREESON ARIZ.

LINE 88, 52+80 E TO 24+00 W

12:05

Break 11:45

MoMag Total Magnetic Intensity Record

FOR: Chapman-Wood & Griswold

RECORD NO. 26 DATE 9-18-59

SENSITIVITY 100 GAMMAS /½ in S.D.

HORIZONTAL SCALE 400 FT./in.

LOCATION Gleeson Arizona

From Line 34 S O-E-W to Line 36 S O-E-W, then to 53400E on Line 36 S.

26

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART No. 17491X MADE IN U.S.A.

MoMag Total Magnetic Intensity Record

FOR: CHAPMAN, WOOD & GRISWOLD

RECORD NO. 25 DATE 9-18-59

SENSITIVITY 100 GAMMAS /½ In. S.D

HORIZONTAL SCALE 400 FT./In.

LOCATION GLEASON ARIZ

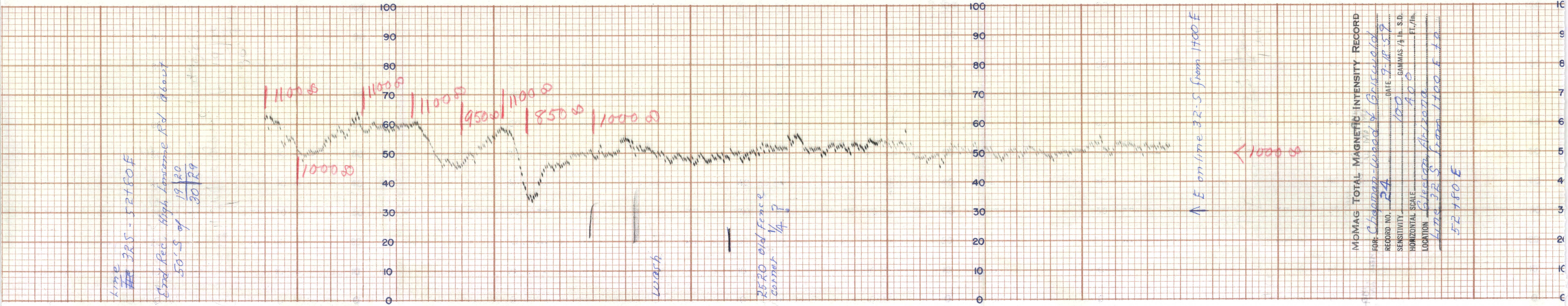
From line 32 S 52+80 E to

Line 34 S 52+80 E to O-E-W.

S, IND., U.S.A. ES
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X
MADE IN U.S.A. THE

ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. ES

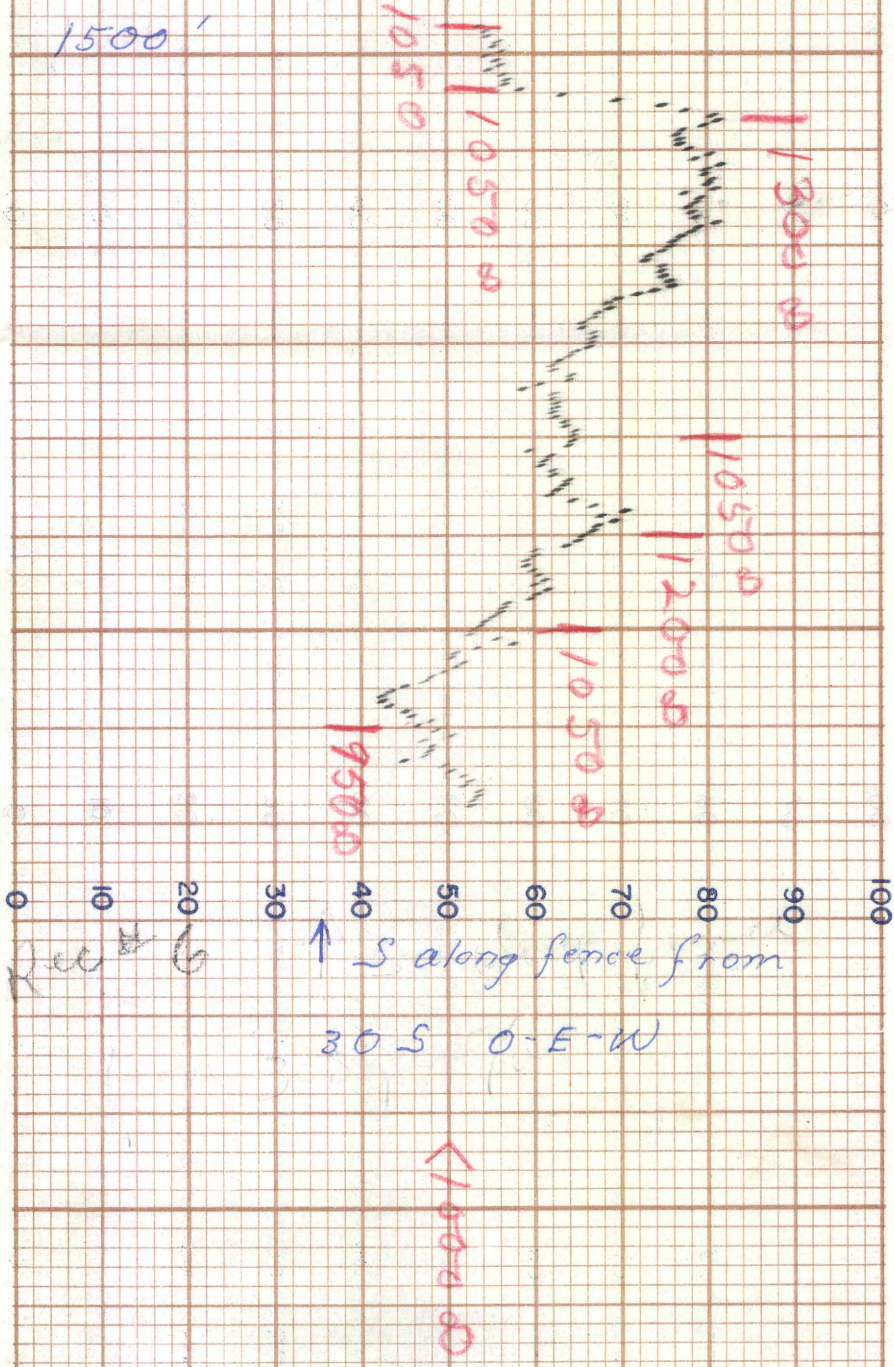
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 17491X



Line 32-S 1+00 E

About 100' E of cor 24|19
25|30

1500'



MOMAG TOTAL MAGNETIC INTENSITY RECORD

FOR: Chapman-Wood & Griswold

RECORD NO. 23 DATE 9-18-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

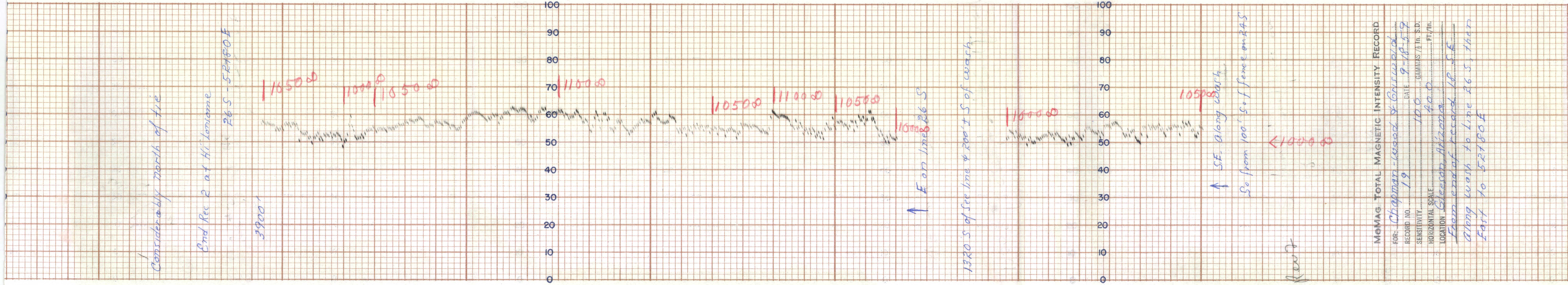
HORIZONTAL SCALE 400 FT./In.

LOCATION Gleeson Arizona

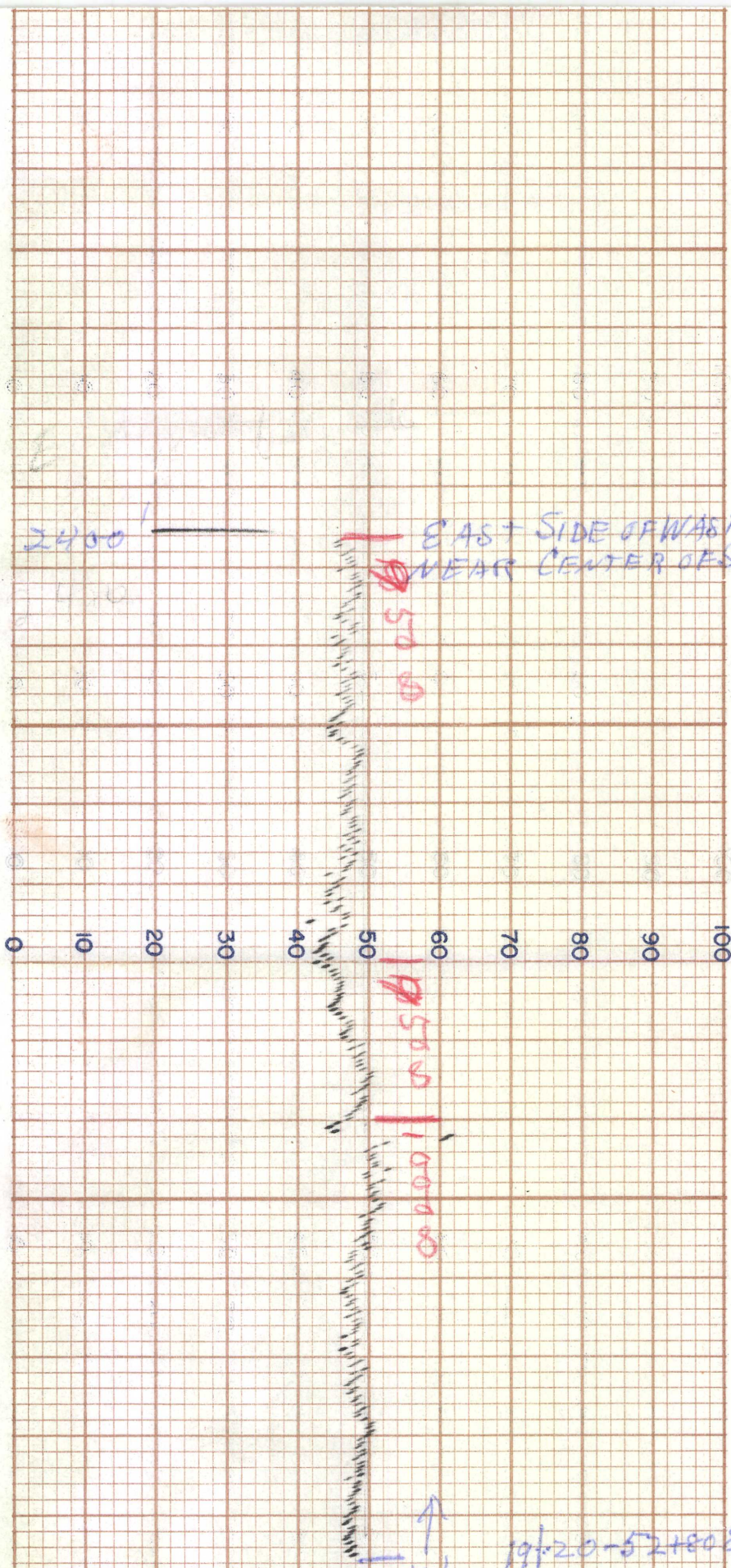
Tie from 30 S to 32.5, 0-E-W

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.



ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. ES



MOMAG TOTAL MAGNETIC INTENSITY RECORD

FOR: CHAPMAN, WOOD & GRISWOLD

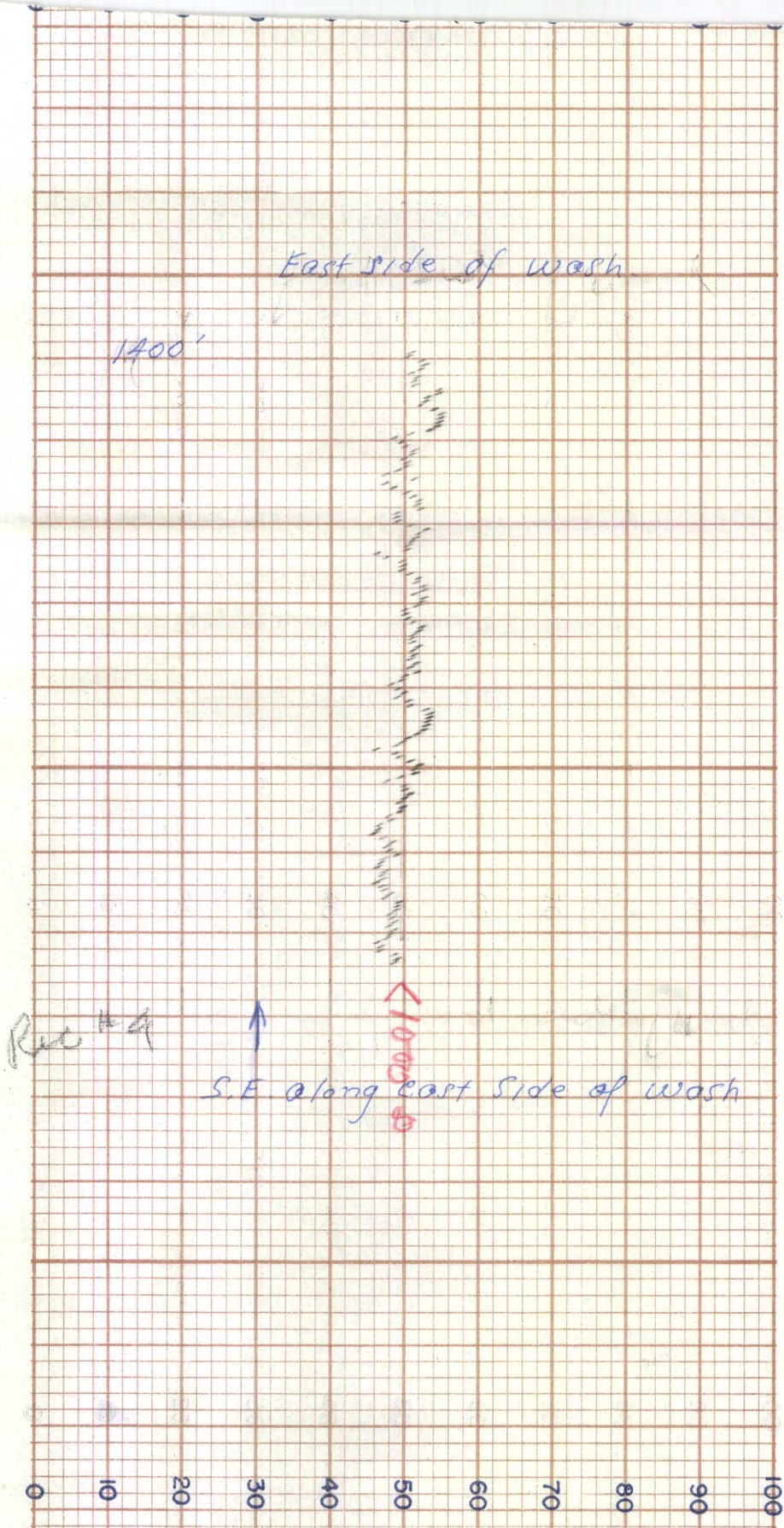
RECORD NO. 20 DATE 9-18-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION GLEESON ARIZ.

Line 28 S. West from 1/4 cor 19/20 to approx center of sec. 20.



MoMag Total Magnetic Intensity Record

FOR: Chapman-Wood & Griswold

RECORD NO. 21 DATE 9-18-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION Gleeson Arizona

From line 28 S center of Sec 19

S.E. along wash to line 30 S.

MADE IN U.S.A. THE

MOMAG TOTAL MAGNETIC INTENSITY RECORD
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART No. 1749X
MADE IN U.S.A.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. ES

MoMag Total Magnetic Intensity Record

FOR: Chapman-Wood & Griswold

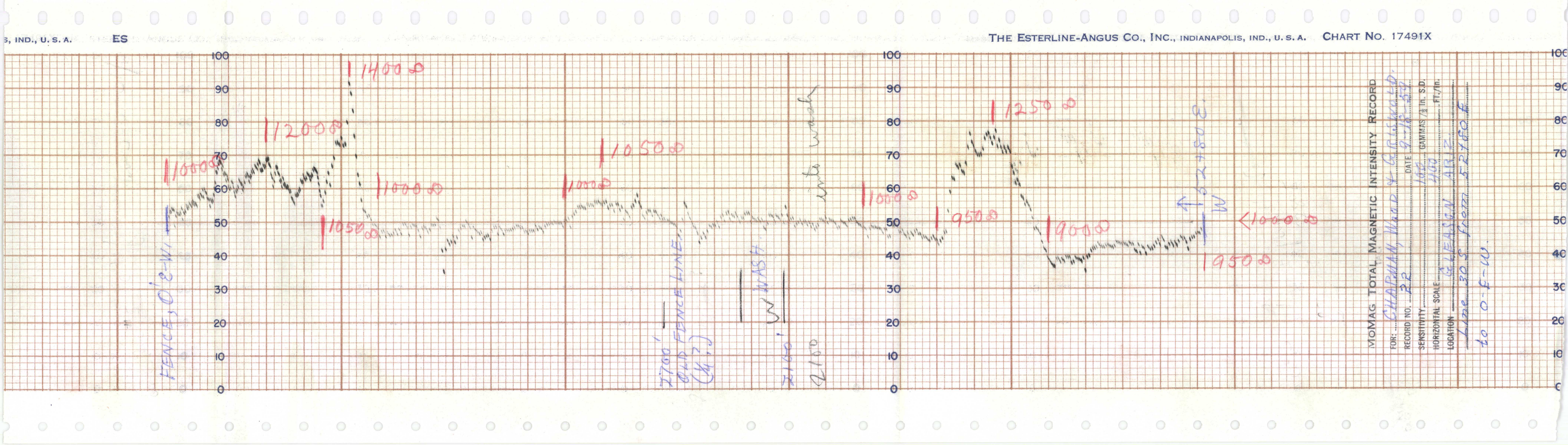
RECORD NO. 13 DATE 9-17-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

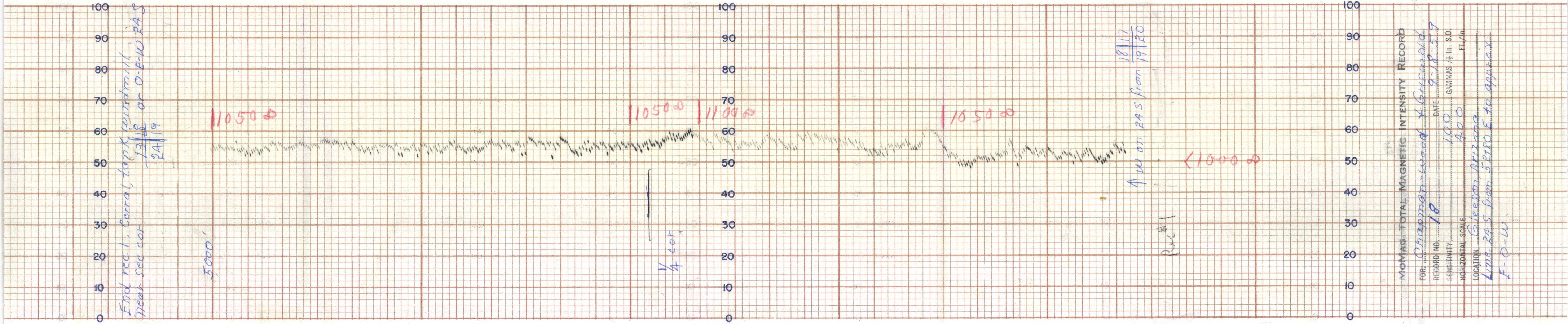
LOCATION Gleeson, Arizona

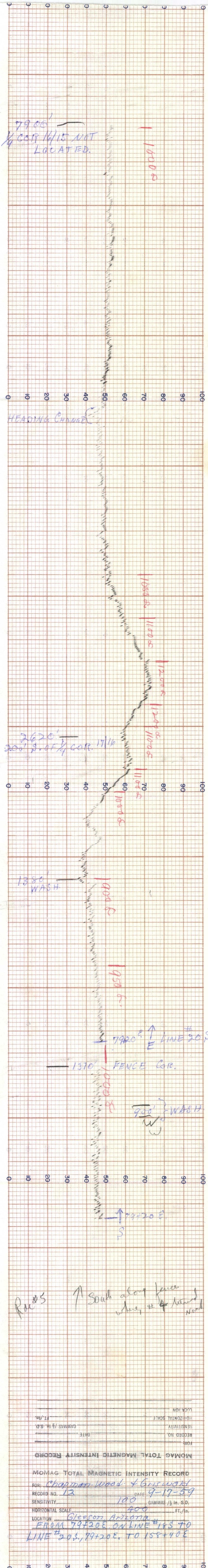
FROM 158+40E ON LINE #20S TO LINE #19S, 158+40E, TO 79+20E.



S, IND., U. S. A.
ES
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.
CHART NO. 17491X
MOMAG TOTAL MAGNETIC INTENSITY RECORD
FOR: CHAPMAN, WARD & GRISWOLD
RECORD NO. 22
DATE 9-18-59
SENSITIVITY 100 GAMMAS/½ in. S.D.
HORIZONTAL SCALE 400 FT./in.
LOCATION GLEASON ARIZ
Line 30S from 52+80 E
to 0-E-W.
FENCE, 0' E-W
1000 ∅
1200 ∅
1400 ∅
1050 ∅
1000 ∅
1050 ∅
1000 ∅
2700' OLD FENCE LINE (4?)
W WASH
2100'
2150
into wash
1000 ∅
950 ∅
1250 ∅
900 ∅
950 ∅
<1000 ∅
52+80 E
W
100
90
80
70
60
50
40
30
20
10
0

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 17491X





MOMAG TOTAL MAGNETIC INTENSITY RECORD

FOR: _____

RECORD NO. _____ DATE _____

SENSITIVITY _____ GAMMAS /½ In. S.D.

HORIZONTAL SCALE _____ FT./In.

LOCATION _____

MOMAG TOTAL MAGNETIC INTENSITY RECORD

FOR: Chapman-Wood & Griswold

RECORD NO. 12 DATE 9-17-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

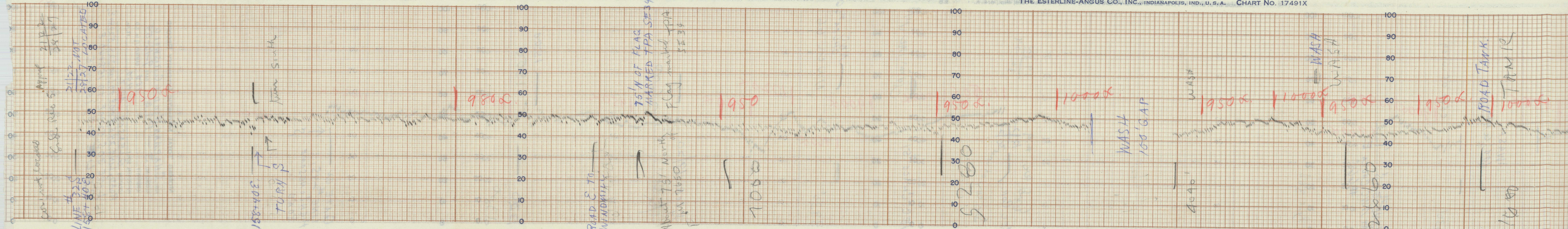
LOCATION Gleeson Arizona

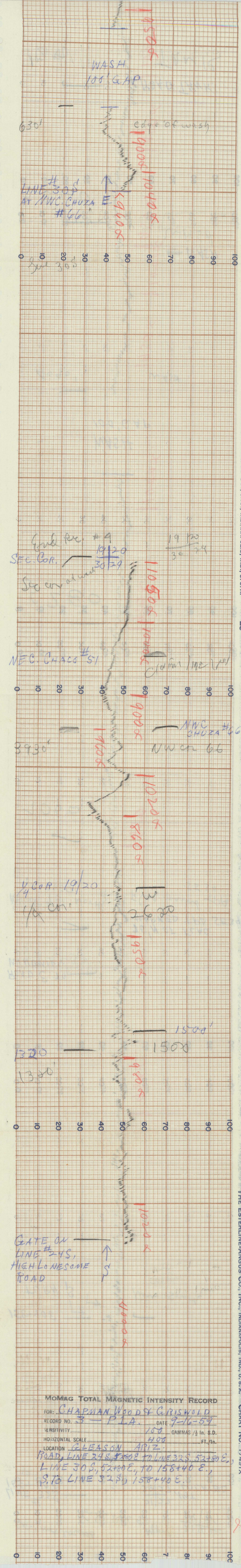
FROM 79+20E. ON LINE #18S TO LINE #20S., 79+20E. TO 158+40E

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X
MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. ES

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. ES

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 17491X





MoMag Total Magnetic Intensity Record

FOR: CHAPMAN WOOD & GRISWOLD

RECORD NO. 3 — P1A. DATE 9-16-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION GLEASON ARIZ.

ROAD, LINE 24 S., 52+80 E TO LINE 32 S. 52+80 E., LINE 30 S., 52+80 E., TO 158+40 E., S. TO LINE 32 S., 158+40 E.

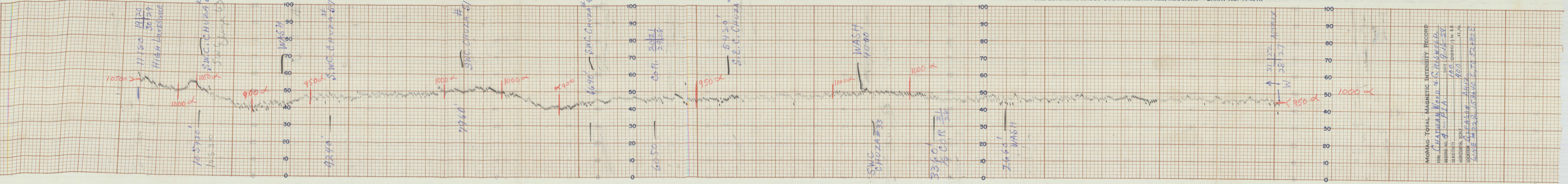
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 17491X
ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. MADE IN U. S. A.

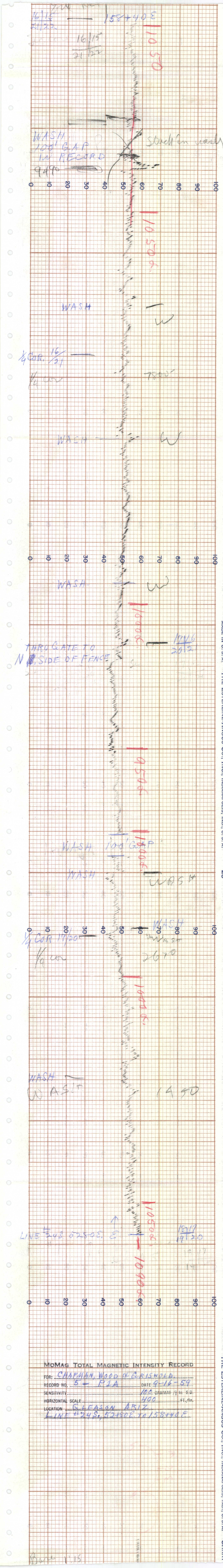
MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. ES

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 17491X

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. ES

THE ESTERLINE-ANGUS


MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A.
ES
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X
MOMAG TOTAL MAGNETIC INTENSITY RECORD
FOR: CHATHAM MAGN. & C.R. RIDGEWOOD
RECORD NO. 4 BY BEA
DATE 7-14-57
SENSITIVITY 100 GAMMAS/in S.D.
HORIZONTAL SCALE 40 IN/HR
LOCATION 1 MI. S.W. OF ARGYLE
SUBSTITUTE FOR CHART NO. 17490C



MoMag Total Magnetic Intensity Record

FOR: CHAPMAN, WOOD & GRISWOLD

RECORD NO. 5 - P1A DATE 9-16-59

SENSITIVITY 100 GAMMAS /½ In S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION GLEASON ARIZ

LINE 4+24 S., 52+80 E TO 158+40 E

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART No. 17491X
MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A.

MoMag Total Magnetic Intensity Record

FOR: Chapman, Wood & Griswold

RECORD NO. 6 - P7A DATE 9-16-59

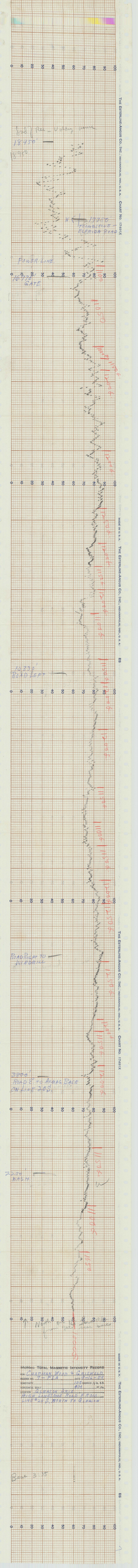
SENSITIVITY 100 GAMMAS /½ In. S.D.

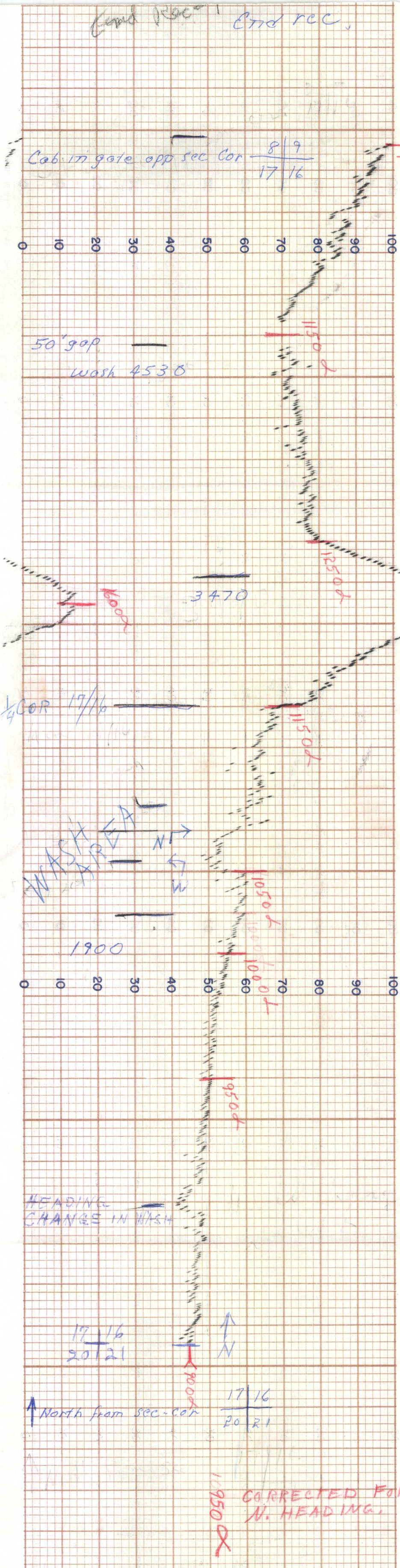
HORIZONTAL SCALE 400 FT./In.

LOCATION Gleason Ariz.

From Line #24 S, 158+40 E, North to Line #22 S, 158+40 E; West to 30+80 E

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X
MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. ES
THE ESTERLINE-ANGUS CO.


THE EDTRON-ANGUS CO. INC. DENVERSUN, WIS. U.S.A. CHART NO. 17241X
MADE IN U.S.A.
18450'
POWER LINE
GATE
12293
ROAD LEFT
ROADLIGHT TO AUTOMOBILE
3300'
AMP & 1/2 ANNS. DAM ON LINE 265
12237
NASH
MOBILE TOTAL MAGNETIC INTENSITY RECORD
CHAPMAN ROAD
N.S.PA
BLOCK
SECTION
DATE
LINE
BOOK 8.5



MoMag TOTAL MAGNETIC INTENSITY RECORD

FOR: Chapman-Wood & Griswold

RECORD NO. 8 DATE 9-17-54

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION Gleeson Arizona

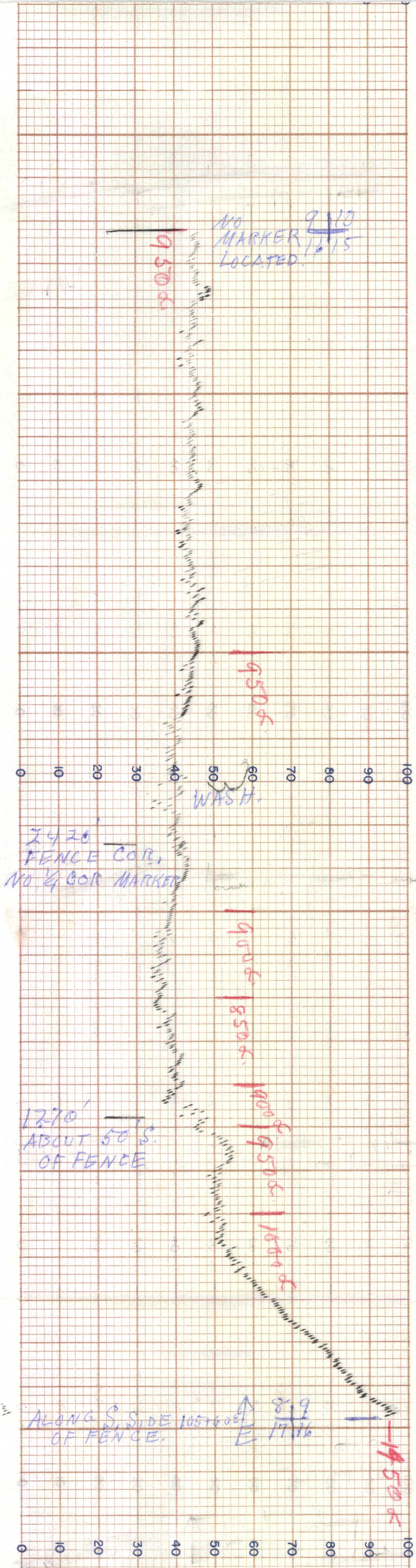
North from 105+60E on Line #24S. to 105+60E on Line #16S.

0 10 20 30 40 50 60 70 80 90 100

#8

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X

MADE IN U.S.A. THE



MoMag Total Magnetic Intensity Record

FOR: CHAPMAN WOOD & GRISWOLD

RECORD NO. 9 DATE 9-17-59

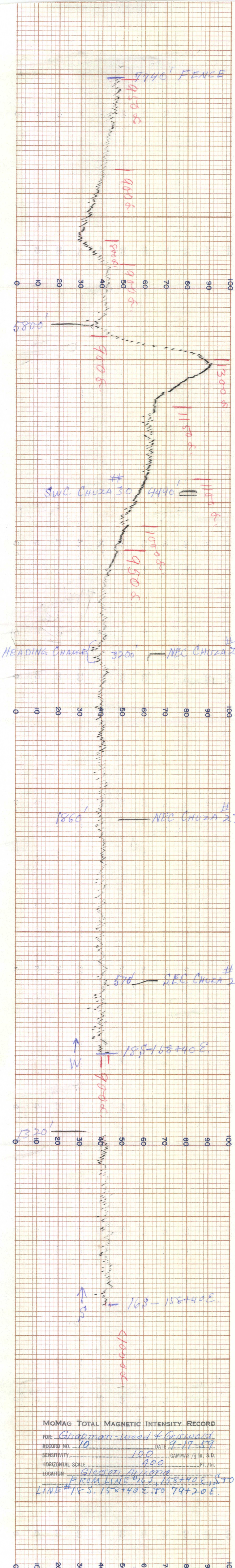
SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION: GLEASON ARIZ.

LINE #16 S., 105+60E TO 158+40E.

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. ES



MoMag Total Magnetic Intensity Record

FOR: Chapman-Wood & Griswold

RECORD NO. 10 DATE 9-17-59

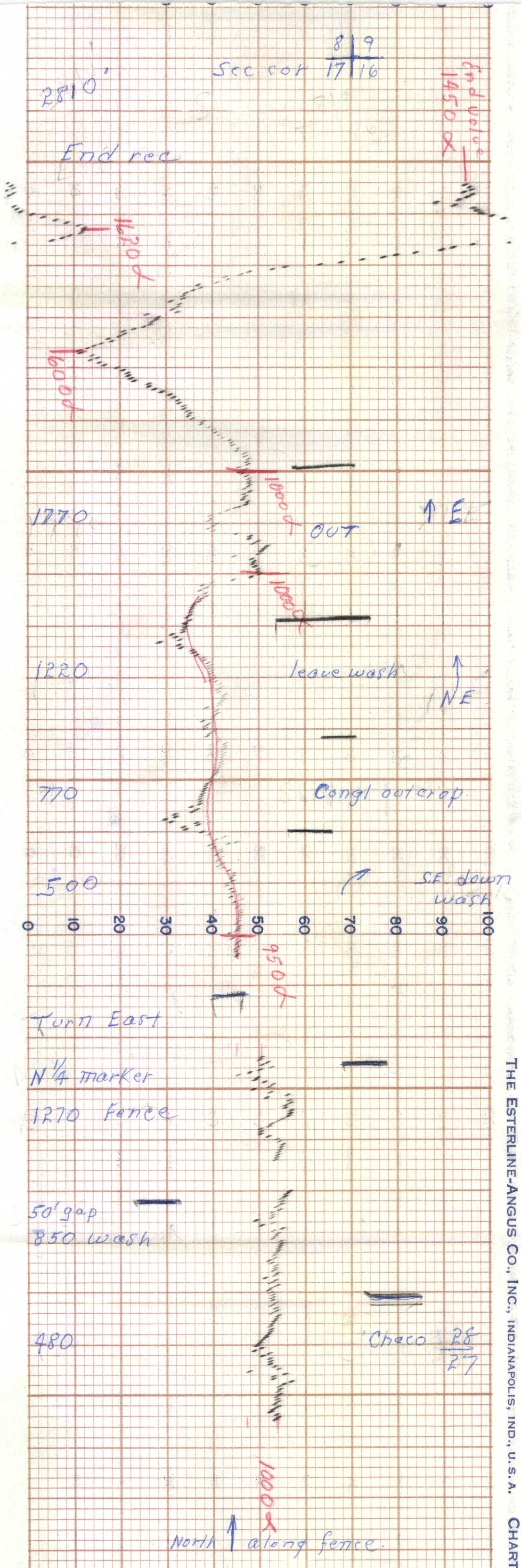
SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 200 FT./In.

LOCATION Globe, Arizona

FROM LINE #16S. 158+40E. S TO LINE #18S. 158+40E. TO 79+20E.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 17491X
MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.



MOMAG TOTAL MAGNETIC INTENSITY RECORD

FOR: Chapman-Wood & Griswold

RECORD NO. 11 DATE 9-17-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION Gleeson Arizona

FROM LINE #18, S. 79+20 E., N. TO

LINE #16, S., 79+20 E. TO 105+60 E.

0 10 20 30 40 50 60 70 80 90 100

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X

Line 18 S 0-E-W.
1330

250' Sec corner

Turn South

5300', 250' N of Sec Corner

0 10 20 30 40 50 60 70 80 90 100

11500

About 300' N of 1/4 cor 7/18

11200 W

0 10 20 30 40 50 60 70 80 90 100

11250

1490 Hi Lonsome

1250

W

11100

W

11050

West on Line 16 S

About 100' W of sec cor 7/18 8/17

11000

0 10 20 30 40 50 60 70 80 90 100

MoMag Total Magnetic Intensity Record

FOR: Chapman-Wood & Griswold

RECORD NO. 14 DATE 9-17-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION Gleeson Arizona

LINE #16 S, 5450 E TO 0-EW.
THEN S TO LINE #18 S, 0-EW.

Line 12 S

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 17491X
MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. ES

MoMag Total Magnetic Intensity Record

FOR: CHAPMAN WOOD & GRISWOLD

RECORD NO. 16 F1A DATE 9-17-59

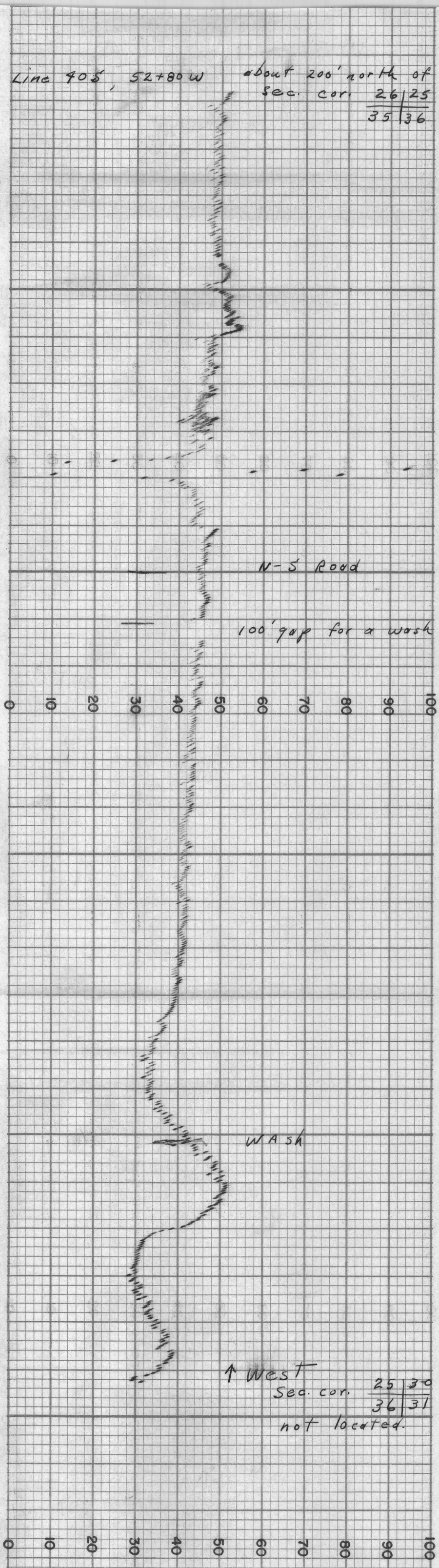
SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION GLEASON ARIZ

LINE #20 S., 79+20 E TO 0-EW

CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X
MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. ES



MoMag Total Magnetic Intensity Record

FOR: Chapman Wood & Griswold

RECORD NO. 41 DATE 9-24-59

SENSITIVITY 100 GAMMAS /½ In S.D.

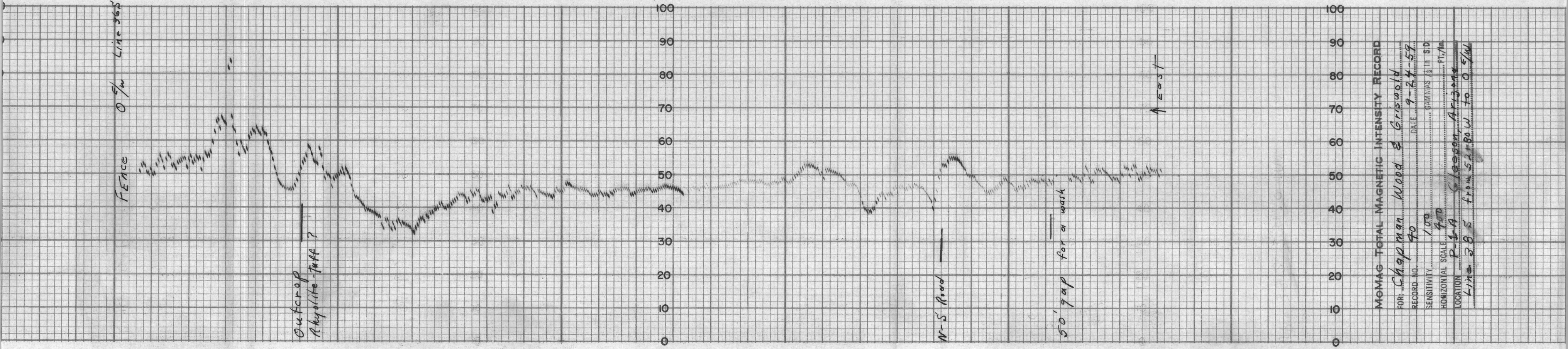
HORIZONTAL SCALE 400 FT./In.

LOCATION P-1-A Gleeson, Arizona

Line 40S from 0 S/W to 52+80W

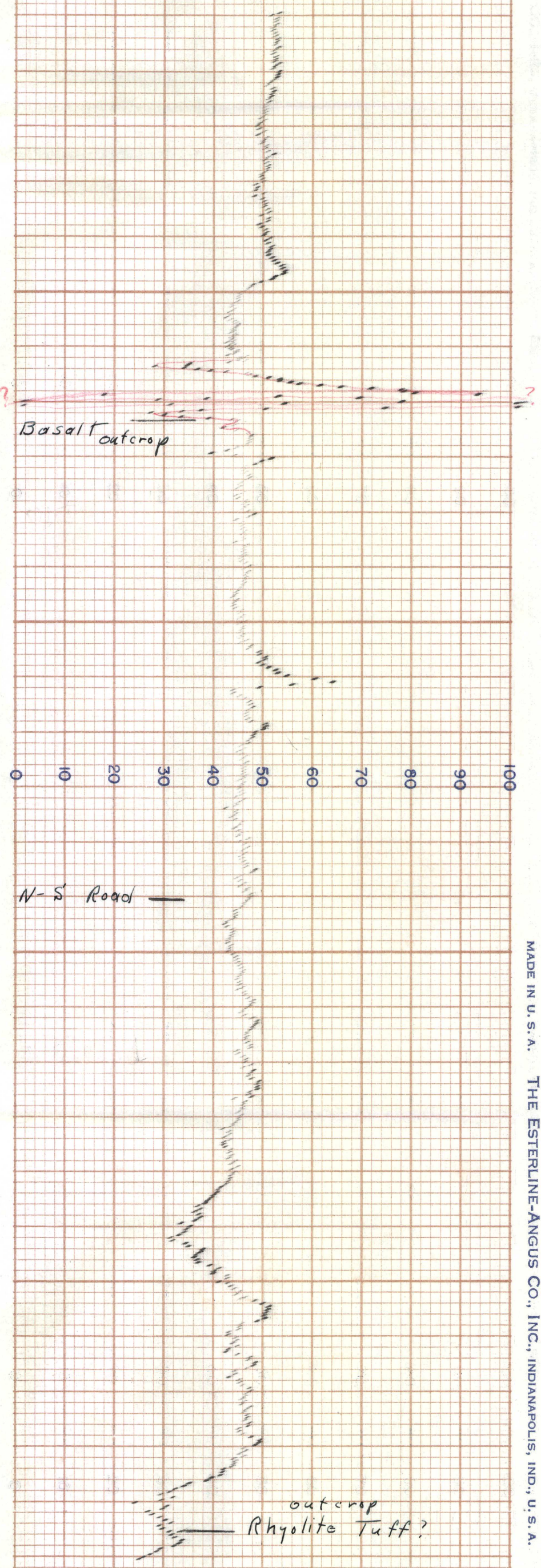
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. ES THE ESTERLINE-ANGUS



1/4 cor. 26/25 not located.

Line 36 S 52+80 W 300'± East of wind mill



↑ west on line 36 S 0 E/W
from gate. 1/4 cor.
not located.

MoMag Total Magnetic Intensity Record

FOR: Chapman Wood & Griswold

RECORD NO. 39 DATE 9-24-59

SENSITIVITY 100 GAMMAS /½ in S.D.

HORIZONTAL SCALE 400 FT./in.

LOCATION P-1-A Gleeson, Arizona

Line 36 S from 0 E/W to 52+80 W

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. ES

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 17491X

MOMAG TOTAL MAGNETIC INTENSITY RECORD

FOR: Chapman Wood & Griswold

RECORD NO. 38 DATE 9-24-59

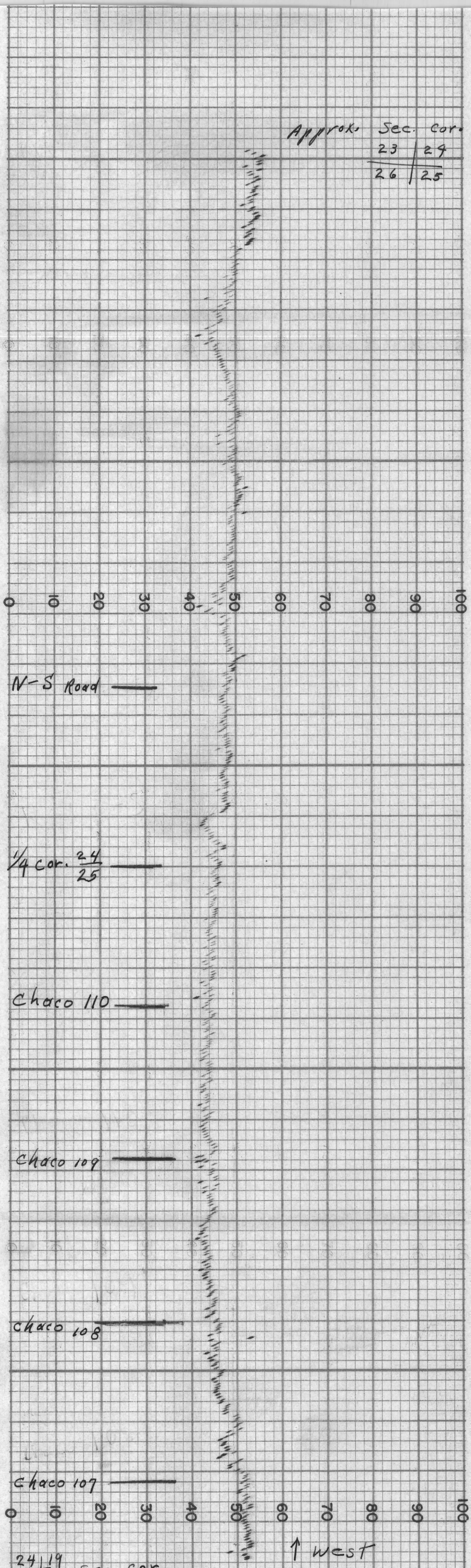
SENSITIVITY 100 GAMMAS /½ In. S.D

HORIZONTAL SCALE 400 FT./In.

LOCATION P-1-A Gleeson, Arizona

Line 34 S from 52+80 W to 0 E/W

ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. ES



MoMag Total Magnetic Intensity Record

FOR: Chapman Wood & Griswold

RECORD NO. 37 DATE 9-24-59

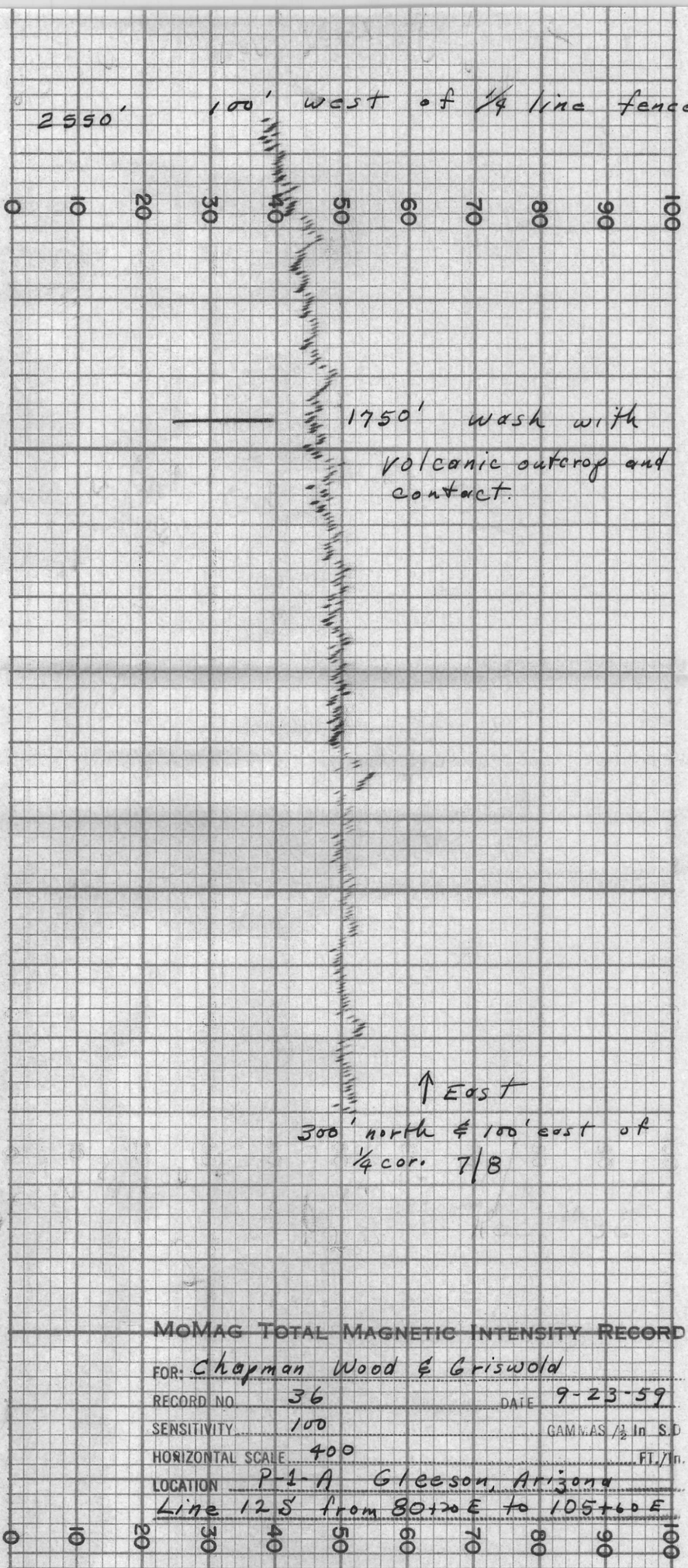
SENSITIVITY 100 GAMMAS / ½ In S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION P-1-A Gleeson, Arizona

Line 32 S 0 E/W to 52+80 W

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHA



MoMag Total Magnetic Intensity Record

FOR: Chapman Wood & Griswold

RECORD NO. 36 DATE 9-23-59

SENSITIVITY 100 GAMMAS /½ In S.D

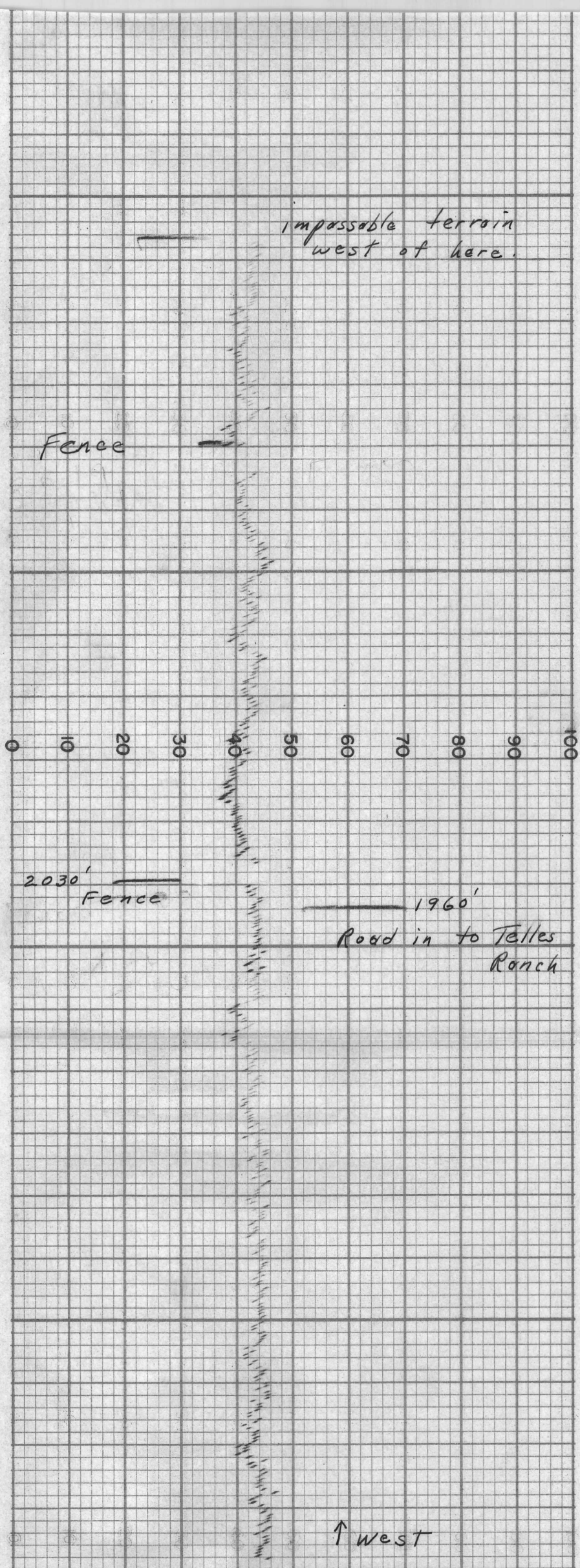
HORIZONTAL SCALE 400 FT./In.

LOCATION P-1-A Gleeson, Arizona

Line 12 S from 80+70 E to 105+60 E

0 10 20 30 40 50 60 70 80 90 100

MADE IN U.S.A. THE



MoMag Total Magnetic Intensity Record

FOR: Chapman Wood & Griswold

RECORD NO. 35 DATE 9-23-59

SENSITIVITY 100 GAMMAS /½ in S.D

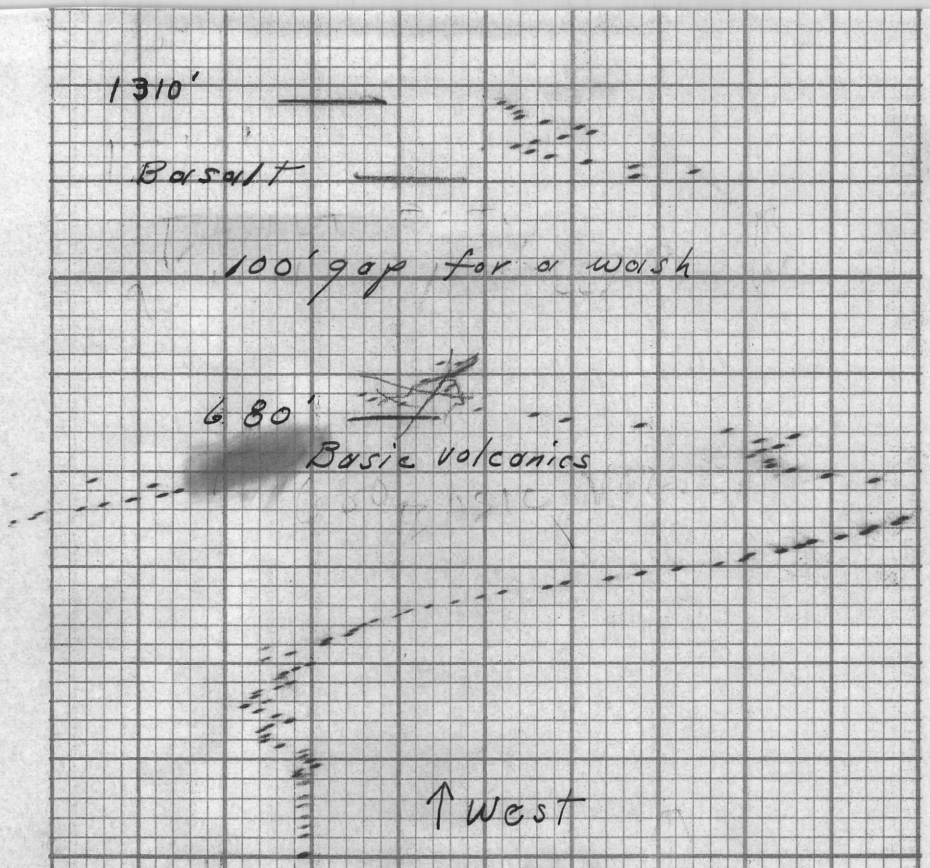
HORIZONTAL SCALE 400 FT./in.

LOCATION P-1-A Gleeson, Arizona

Line 10 S from 158+40E to about 116+00E

0 10 20 30 40 50 60 70 80 90 100

ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. ES



MoMag Total Magnetic Intensity Record

FOR: Chapman Wood & Griswold

RECORD NO. 32 DATE 9-23-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

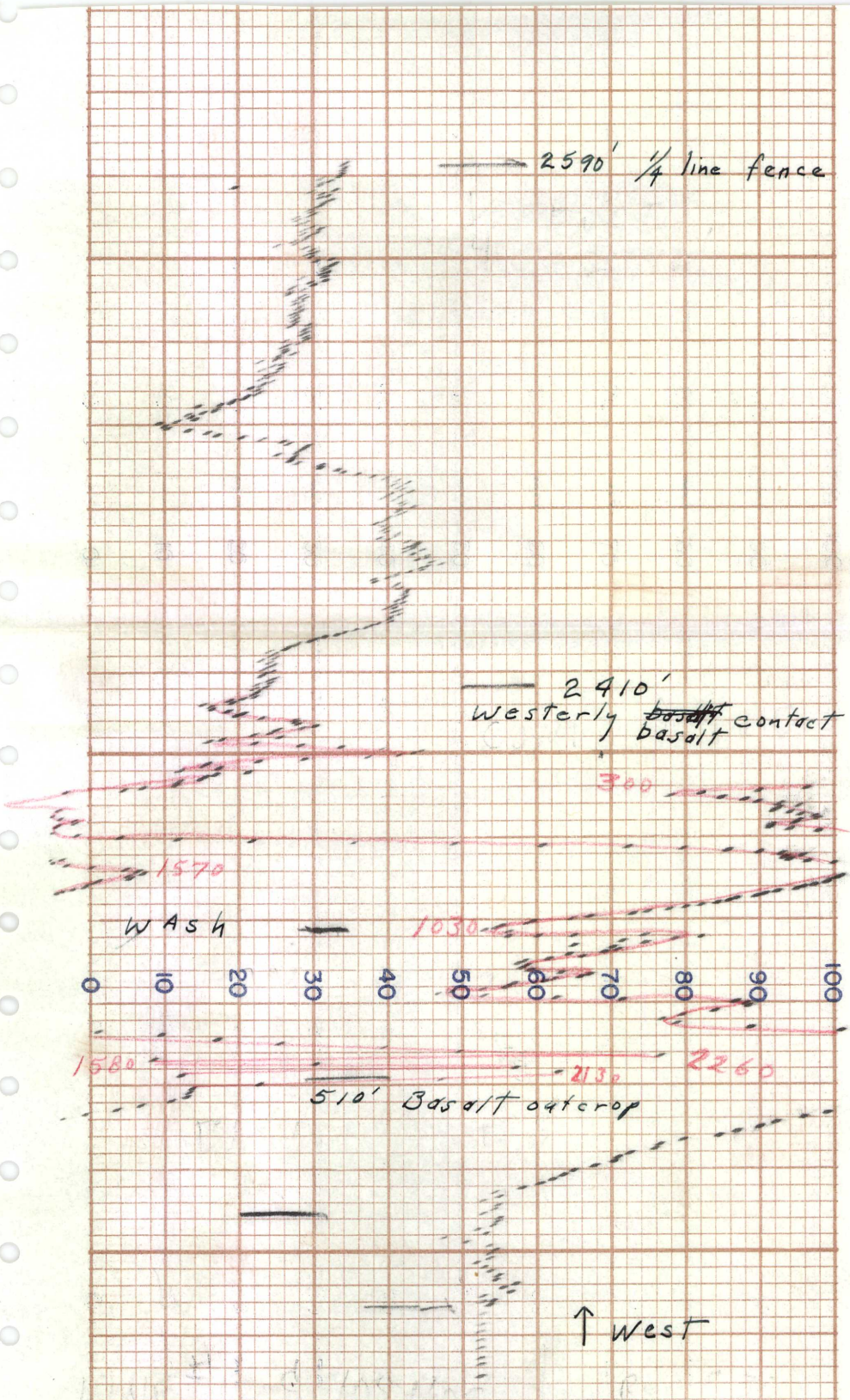
HORIZONTAL SCALE 400 FT./In.

LOCATION P-1-A Gleeson, Arizona

From Line 105, 105+60 E to 92+50 E

0 10 20 30 40 50 60 70 80 90 100

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X



MoMag Total Magnetic Intensity Record

FOR: Chapman Wood & Griswold

RECORD NO. 33 DATE 9-23-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

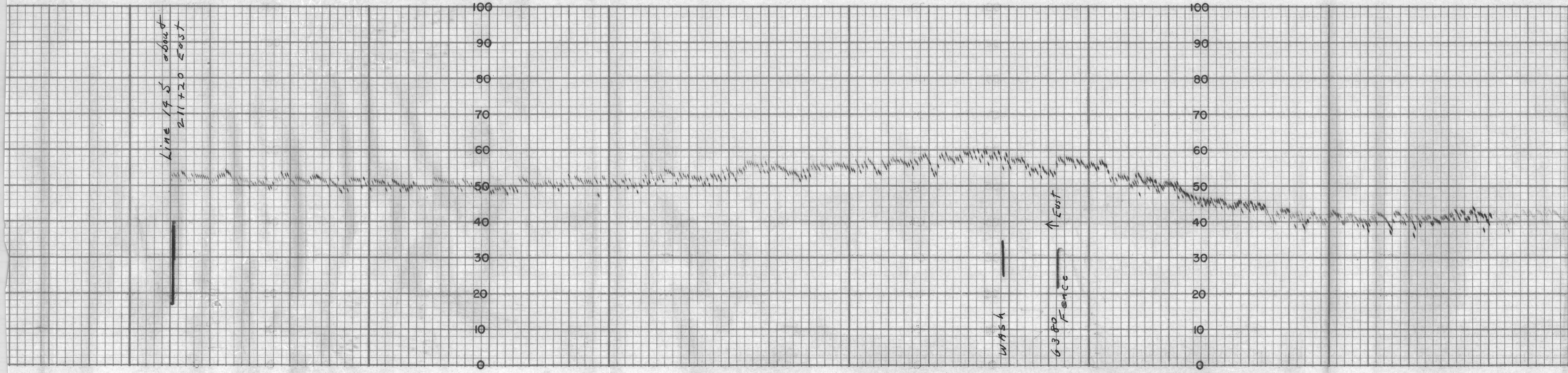
HORIZONTAL SCALE 400 FT./In.

LOCATION P-1-A Gleeson, Arizona

West on Line 12S from 105+60E to 79+70E

ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. ES



MoMag Total Magnetic Intensity Record

FOR: Chapman Wood & Griswold

RECORD NO. 31 DATE 9-23-59

SENSITIVITY 100 GAMMAS /½ In S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION P-1-A Gleeson, Arizona.

From Line 16S, 105+60E to

Line 8S, 105,60 E

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. ES

MoMag Total Magnetic Intensity Record

FOR: Chapman Wood & Griswold

RECORD NO. 34 DATE 9-23-59

SENSITIVITY 100 GAMMAS/½ In S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION P-1-A Gleeson, Arizona

From Line 165 79+20 E northeast to Line 145 at 10,560 E then East to 211+20 E

0 10 20 30 40 50 60 70 80 90 100

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X

MoMag Total Magnetic Intensity Record

FOR: Chapman-Wood & Griswold

RECORD NO. 30 DATE 9-18-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION Gleeson Arizona

From Line 12.5 0-E-W South to Line 14 S

Line 14 S - 0-E-W East to 49400 E

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X
MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. ES

MOMAG TOTAL MAGNETIC INTENSITY RECORD

FOR: CHAPMAN, WOOD & GRISWOLD

RECORD NO. 29 DATE 9-18-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION GLEASON ARIZ.

LINE 12S, 5+80 E TO 0'E-W.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X

MoMag Total Magnetic Intensity Record

FOR: Chapman-Wood & Griswold

RECORD NO. 28 DATE 9-18-59

SENSITIVITY 100 GAMMAS /½ In. S.D.

HORIZONTAL SCALE 400 FT./In.

LOCATION Gleeson, Arizona

Line 8 S, South from about 24+00 W to Line 10 S then East on Line 10 S from about 20+00 W to ~~E~~ 45+00 E

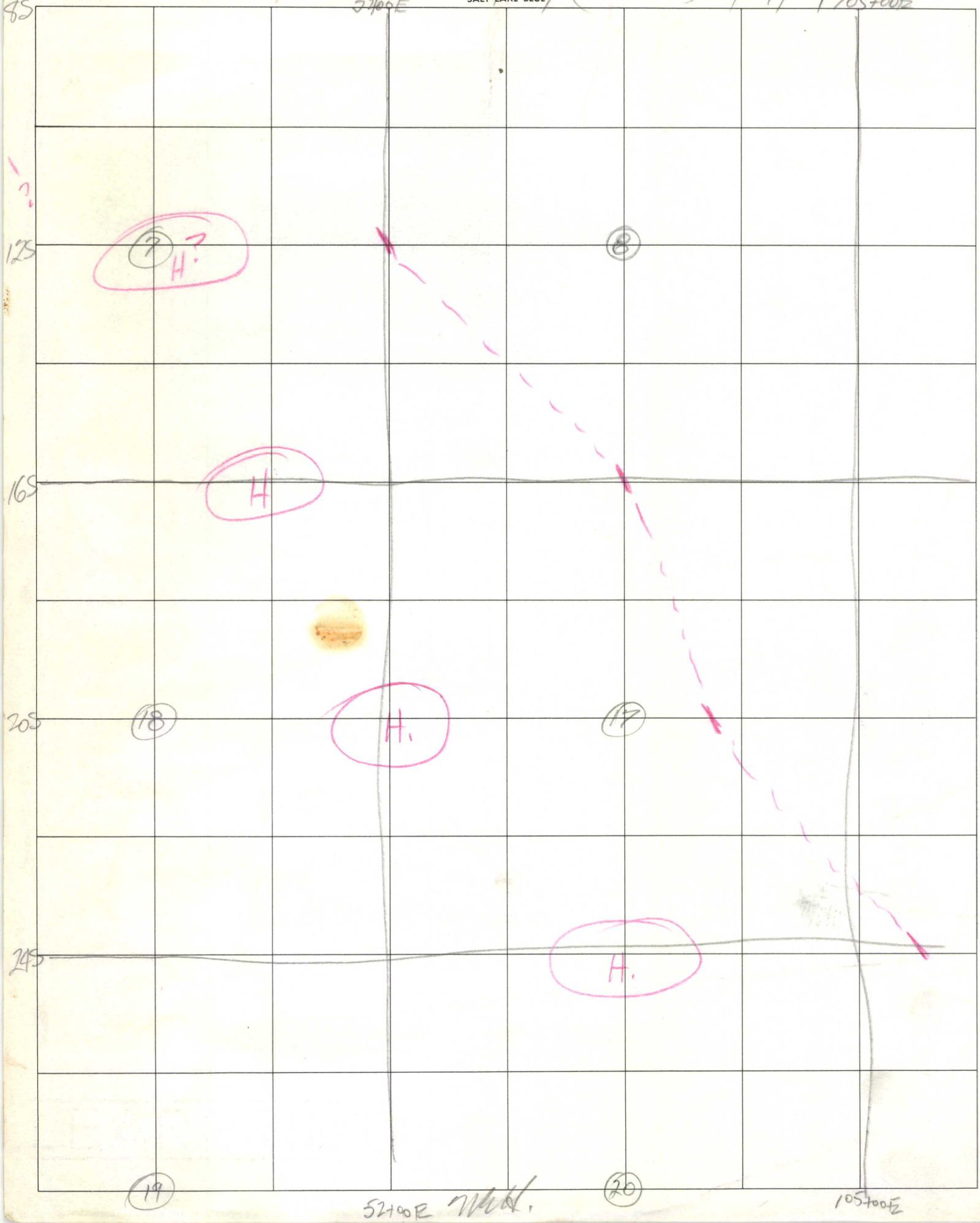
MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. ES
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 17491X
MADE IN U.S.A. THE

4" = 1 Mile

Gleeson - Afmag (P-1-A) 7/21/59

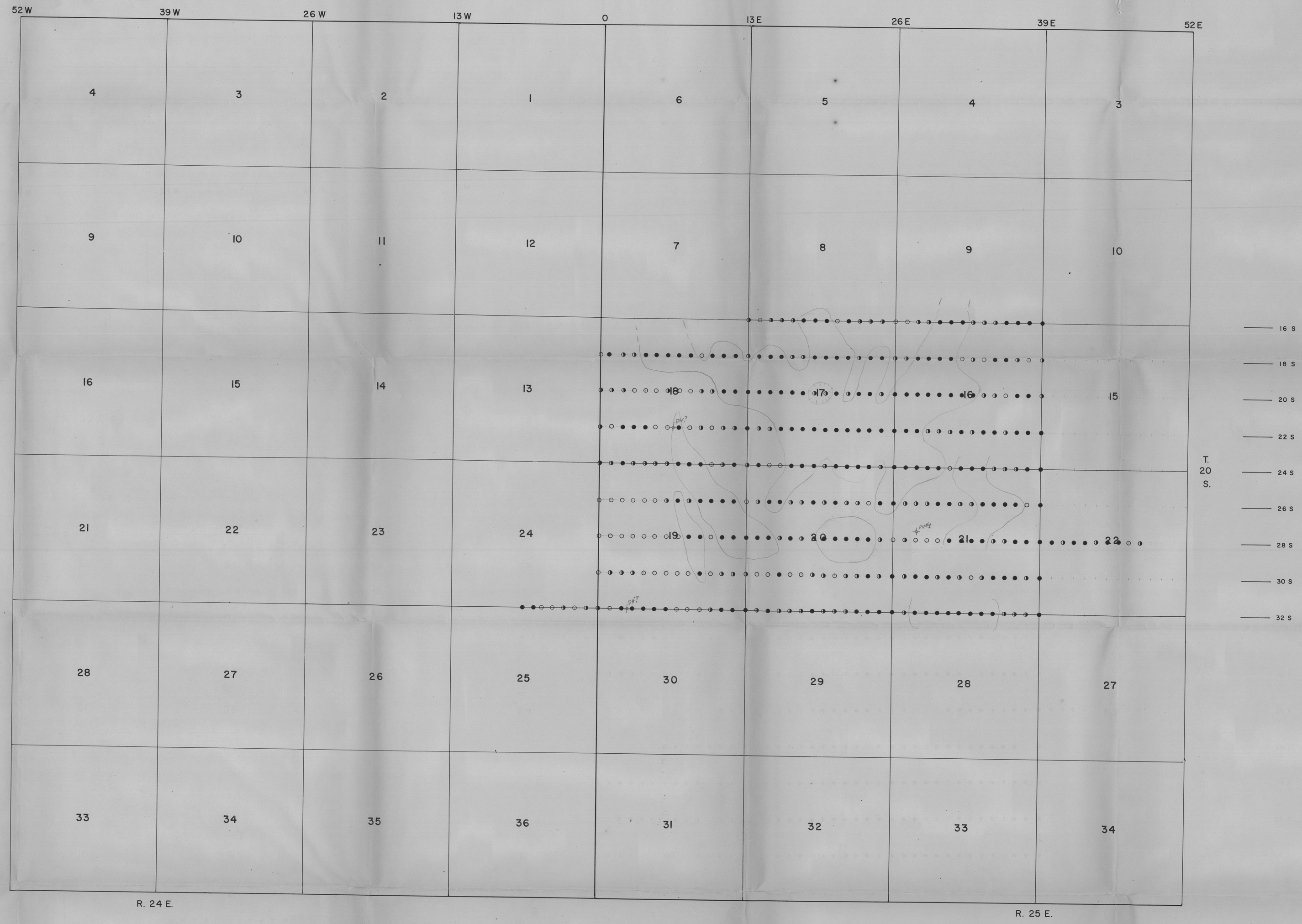
SALT LAKE BLUE

FORM 1006



LF

DOC- 1 **PAGE-** 234



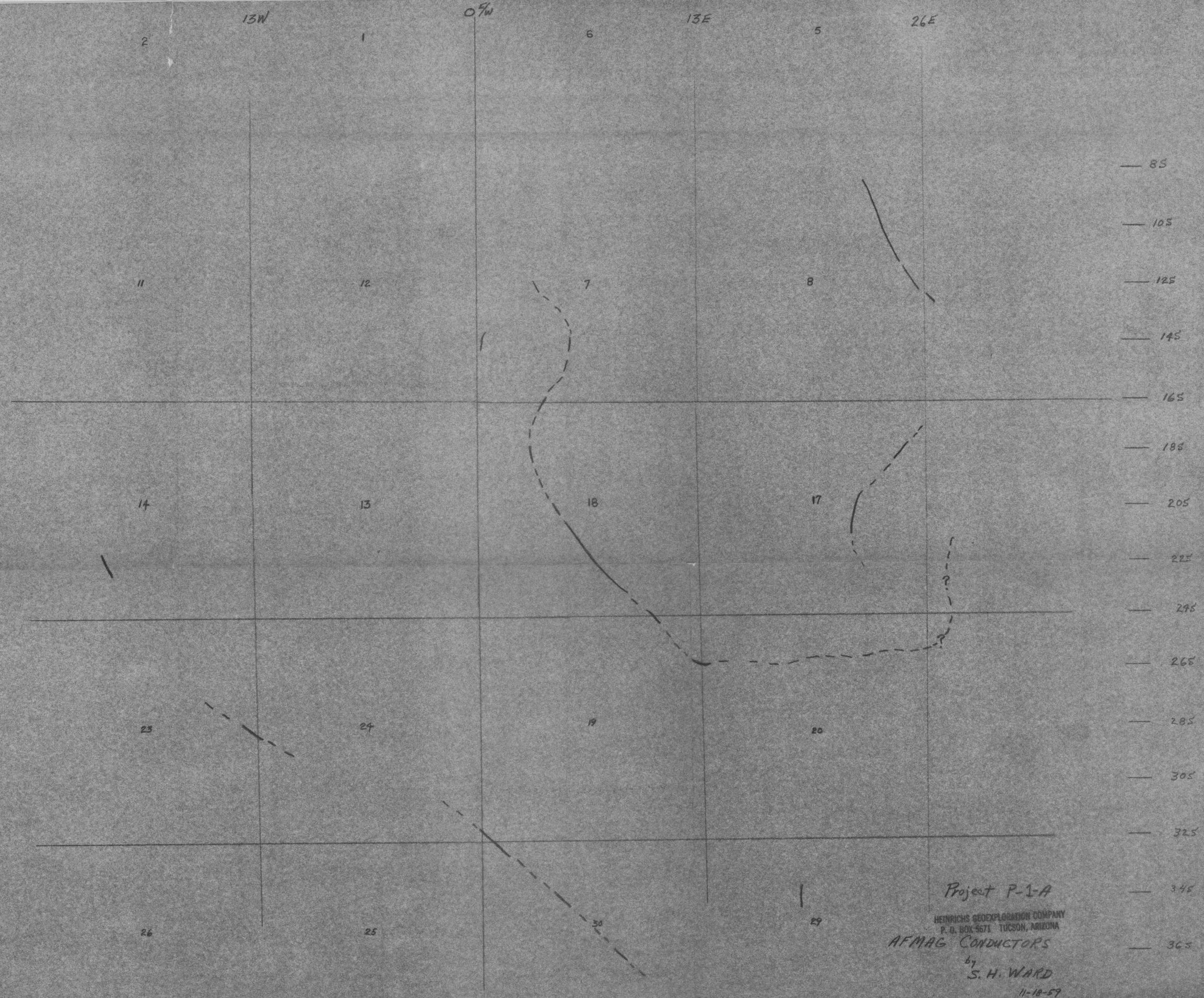
GEOCHEMICAL SURVEY PLAN
SOUTH GLEESON AREA
COCHISE COUNTY, ARIZONA
PROJECT P-I-A

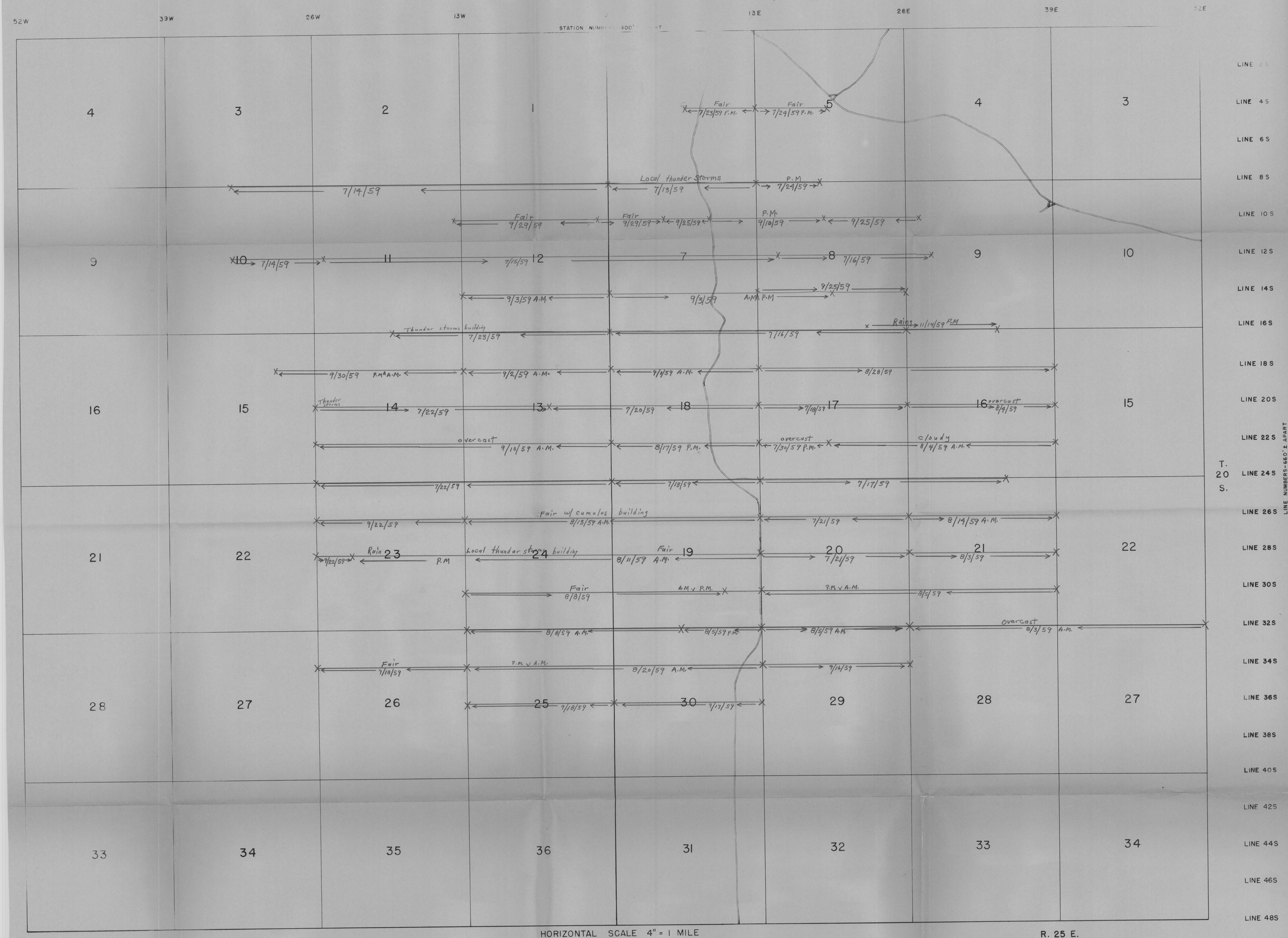
1/4 0 1/2 1 Mile

CHAPMAN, WOOD & GRISWOLD DRAWING NO. 611
NOVEMBER, 1959

SOIL SAMPLING FOR COPPER BY RUBEANIC ACID METHOD

- ○ Poor or barren
- ◑ Fair. Probable threshold values
- ● Good. Probable anomalous values


13W
0 S/W
13E
26E
2
1
6
5
8S
10S
12S
14S
16S
18S
20S
22S
29S
26S
28S
30S
32S
34S
36S
11
12
7
8
14
13
18
17
23
24
19
20
26
25
30
29
Project P-1-A
HEINRICHS GEOEXPLORATION COMPANY
P. O. BOX 5671 TUCSON, ARIZONA
AFMAG CONDUCTORS
by
S. H. WARD
11-18-59



HORIZONTAL SCALE 4" = 1 MILE

COURTLAND — GLEESON AREA
COCHISE COUNTY, ARIZONA

PROJECT P-1-A

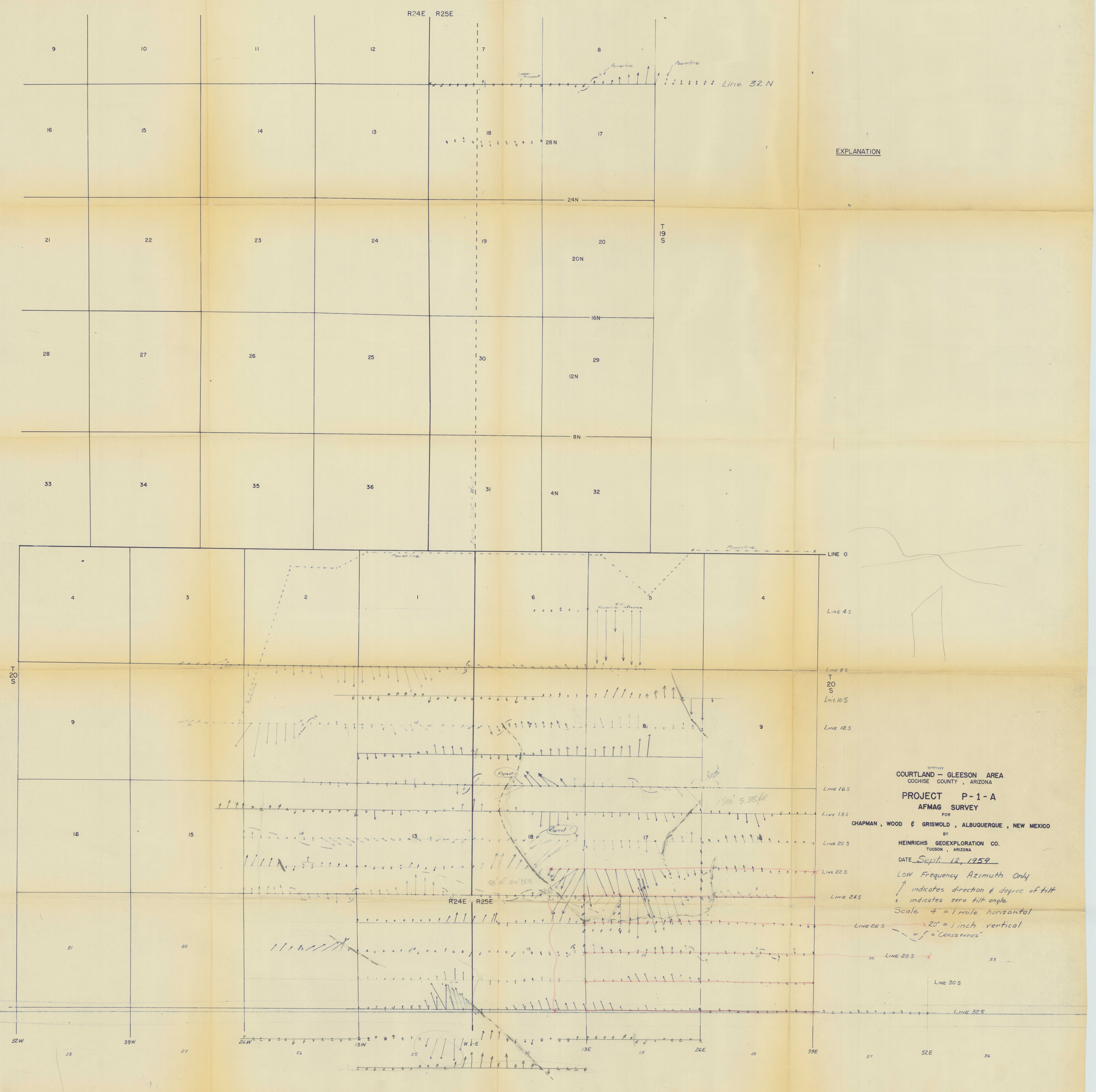
FOR

CHAPMAN, WOOD & GRISWOLD, ALBUQUERQUE, NEW MEXICO

BY

HEINRICHS GEOEXPLORATION CO.
TUCSON, ARIZONA
OCTOBER 1959

Afmag Progress Map
Including Time of day
& weather observations



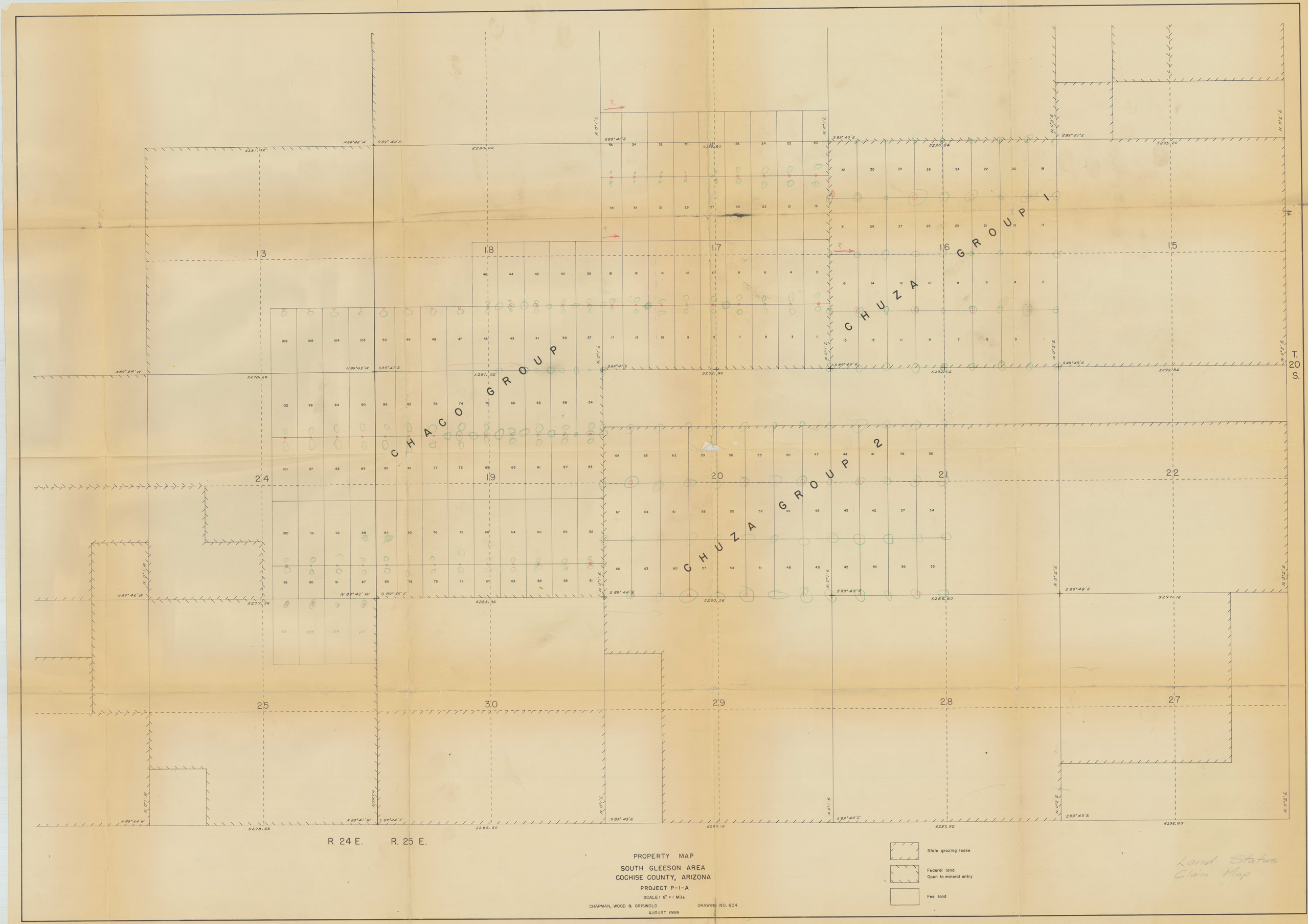
EXPLANATION

COURTLAND – GLEESON AREA
COCHISE COUNTY, ARIZONA

PROJECT P-1-A
AFMAG SURVEY
FOR
CHAPMAN, WOOD & GRISWOLD, ALBUQUERQUE, NEW MEXICO
BY
HEINRICHS GEOEXPLORATION CO.
TUCSON, ARIZONA

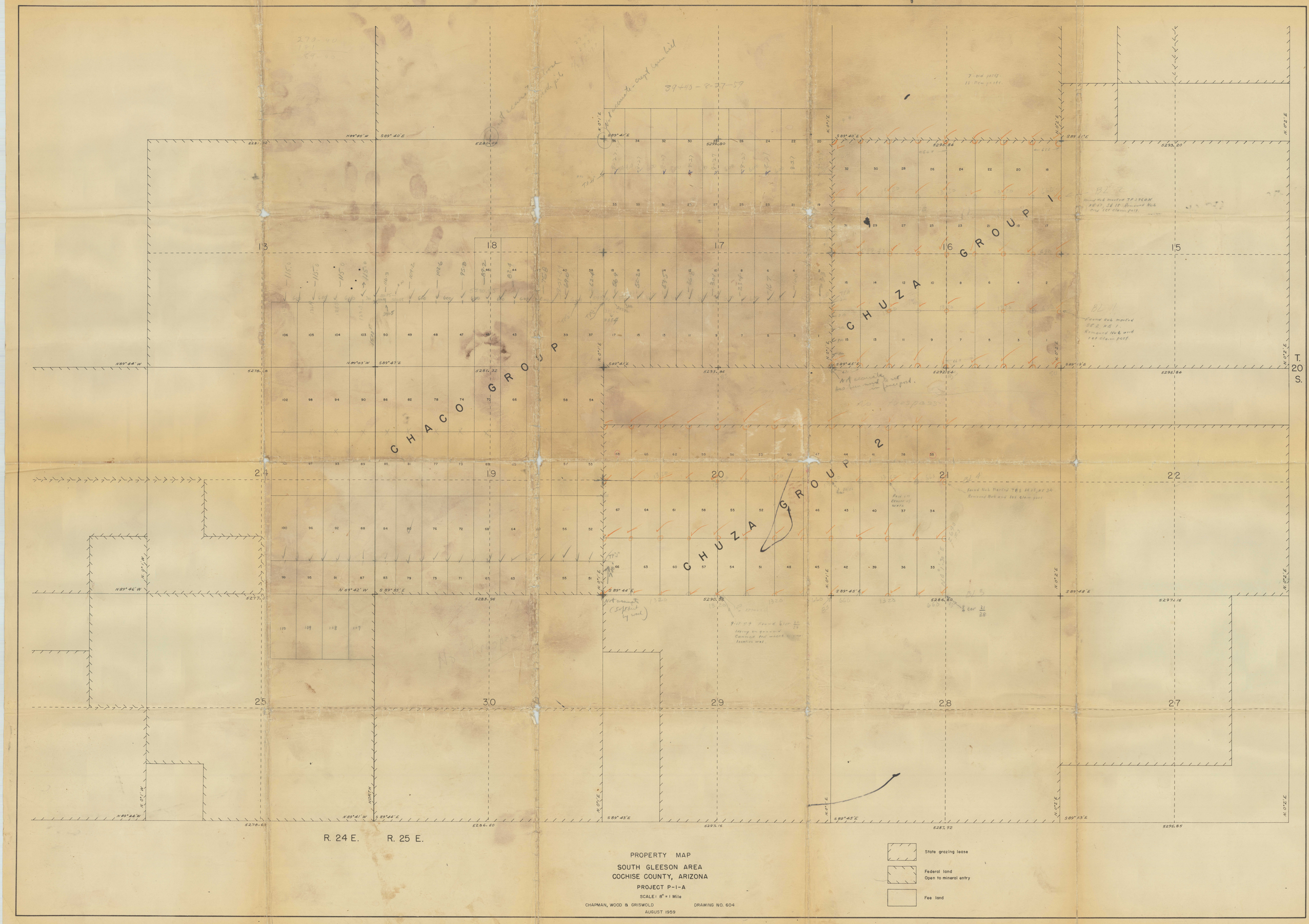
DATE Sept. 12, 1959

Low Frequency Azimuth Only
↗ indicates direction & degree of tilt
: indicates zero tilt angle
Scale 4" = 1 mile horizontal
20° = 1 inch vertical
or ∫ = "Cross overs"



PROPERTY MAP
SOUTH GLEESON AREA
COCHISE COUNTY, ARIZONA
PROJECT P-1-A
SCALE: 8" = 1 Mile
CHAPMAN, WOOD & GRISWOLD
DRAWING NO. 604
AUGUST 1959

Land Status
Claim Map



PROPERTY MAP

SOUTH GLEESON AREA

COCHISE COUNTY, ARIZONA

PROJECT P-1-A

SCALE: 8" = 1 Mile

CHAPMAN, WOOD & GRISWOLD

DRAWING NO. 604

AUGUST 1959

State grazing lease

Federal land
Open to mineral entry

Fee land