

FILE FOLDER

DESCRIPTION ON TAB:

6

WELLS - LOCATION AND ELEV.

- Outside/inside of actual folder did not contain hand written information
- Outside/inside of actual folder did contain hand written information
*Scanned as next image

6 Wells

Location & Elevations

RATE OF RAINFALL (INCHES PER HOUR)

5
4
3
2
1
0

PERIOD OF RAINFALL IN MINUTES

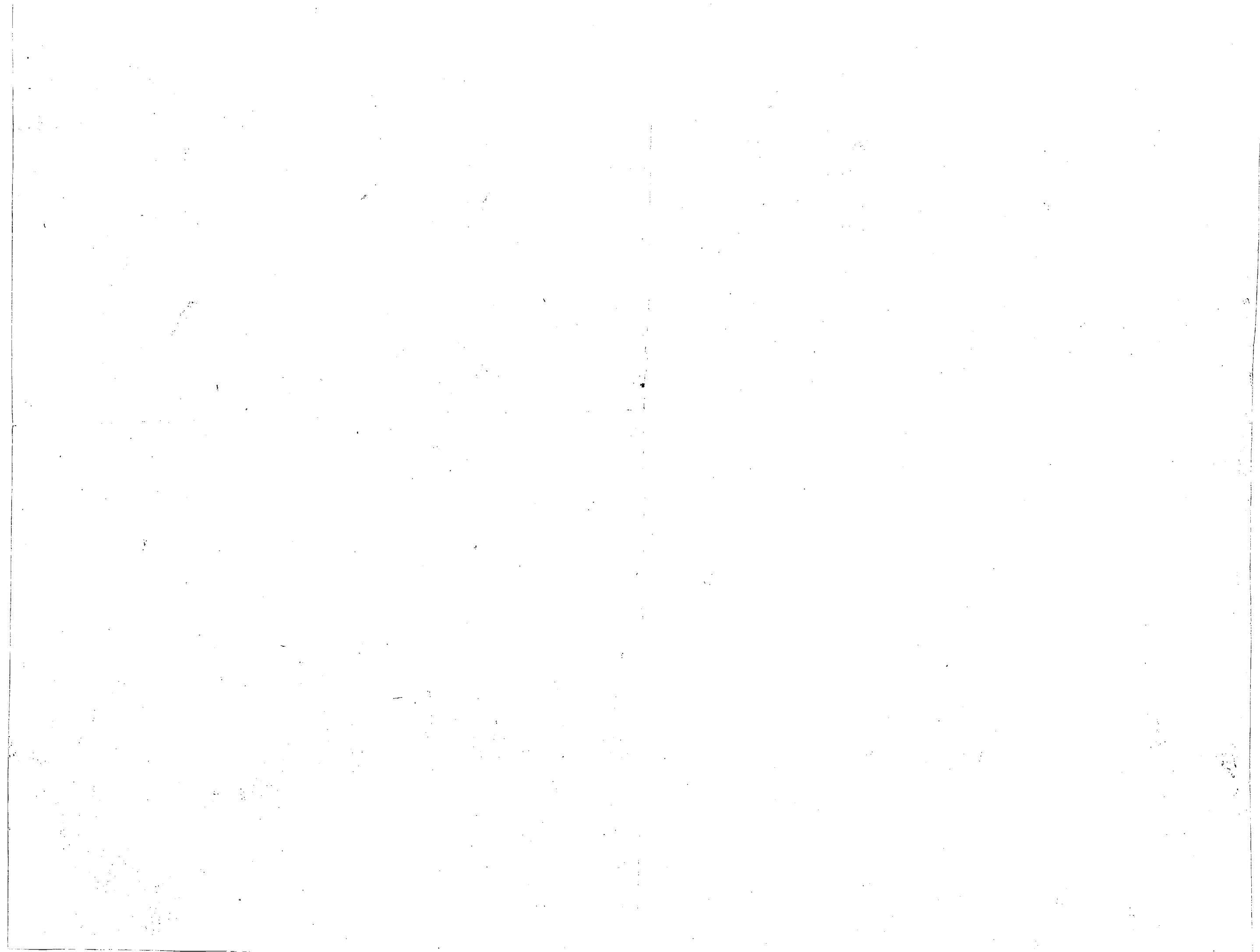
0 10 20 30 40 50 60 70 80 90 100 110 120

CARR AND U. E. GREINER CO.
MARINE BARRACKS NEW RIVER, N.C.
RAINFALL INTENSITY-FREQUENCY CHART
CHART FOR THE VICINITY OF JACKSONVILLE, N.C.

100 YEARS
50 YEARS
25 YEARS
10 YEARS
5 YEARS
2 YEARS

PERFECT PRESS DESIGN
10 X 10 - ONE INCH
EUGENE DIETZGEN CO.

PRINTED IN U.S.A.
ON 100% RAG PAPER MADE IN U.S.A.



VALUABLE

SUBJECT Traverse Location of Wells

17-18-19-20 & 21

RETURN TO
CARR & J. E.
GREINER CO.
JACKSONVILLE,
N. C.

Turned clockwise from B.S.

STATION	DIST.	ANGLE	H. I.	VER. ANG. DIFF.	ELEVATION
	0	' "			

FIELD PARTY

W.G.W. IN CHARGE
 " INSTRUMENT
 " NOTES
Sandlin TAPE READ
Swain TAPE OR ROD
 TAPE OR ROD
 INSTRUMENT NO. 70177
 TAPE NO.

WEATHER

CLEAR
 CLOUDY
 WINDY
 RAIN
 FAIR
 SNOW
 HOT
 MODERATE
 COLD
 FOG
 FIGURED BY
 NOTES CHECKED BY
 PLOTTED BY

FILE No. _____

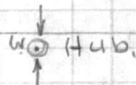
FLDR. No. _____

SHEET 7

DATE 8-12-1942

M. A. Rd

To Gate House



(B)

Use $164^{\circ}04'30''$

$1686.3864^{\circ}04'40''$ $128^{\circ}09'+$

(A)

$700.70160^{\circ}41'32''-22''$

423.17 $134^{\circ}11'20''$ ①
 $268^{\circ}22'30''$ ②
 $42^{\circ}33'30''$ ③
 $176^{\circ}45'$ ④
 } $134^{\circ}11'-15''$

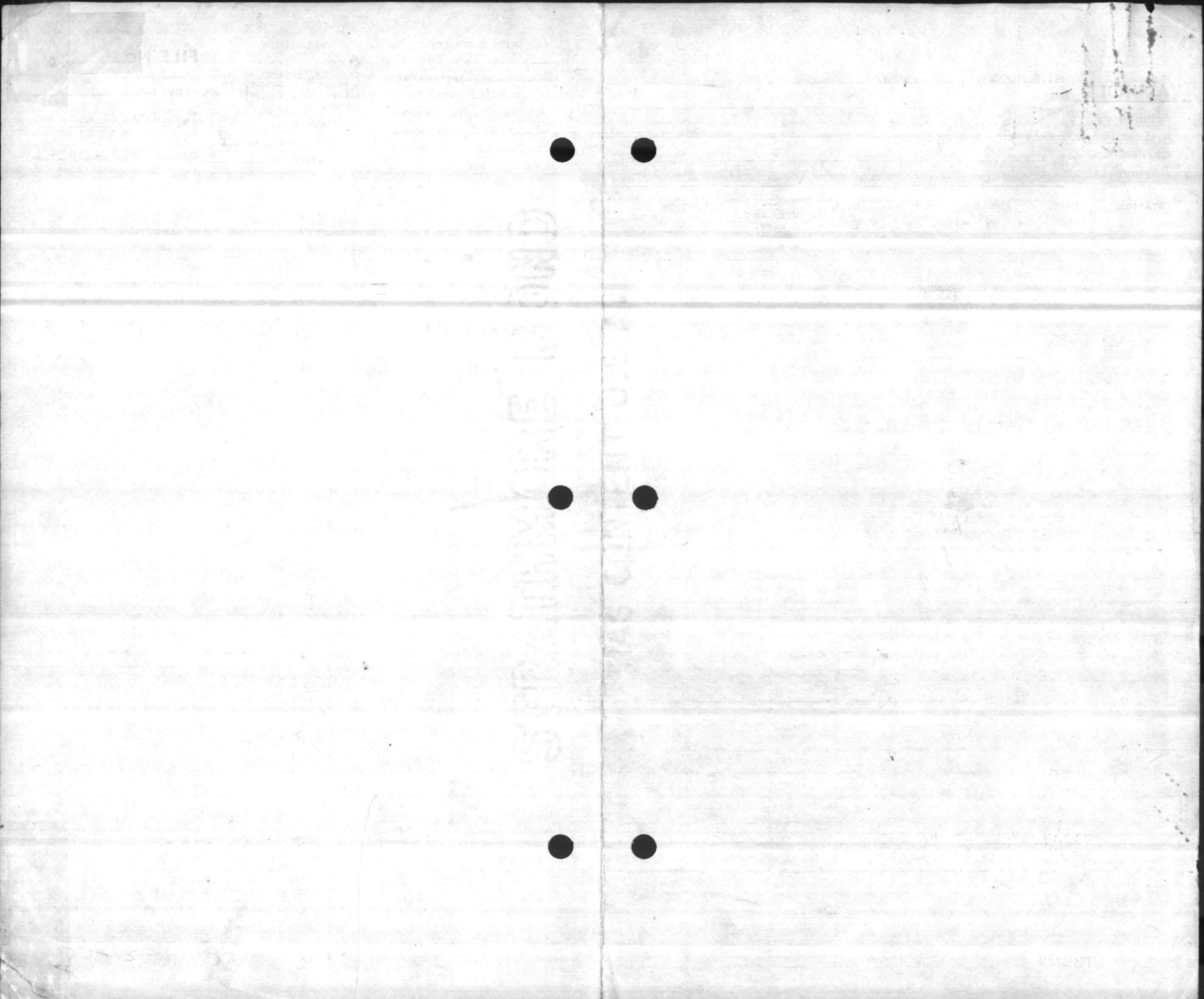
139.36

+++++ E.R. To Jacksonville
+411

old Paradise Point Rd

▽ Truesdale

△ Truesdale #2



VALUABLE

SUBJECT Traverse for Location of Wells
17-18-19-20-E 21.

RETURN TO
 CARR & J. E.
 GREINER CO.
 JACKSONVILLE,
 N. C.

STATION	DIST.	ANGLE	+	H. I.	-	ELEVATION
		° ' "			VER: ANG. DIFF.	

2.

1. $213^{\circ}53'$ $67^{\circ}46'$

(E)

440.19 $98^{\circ}40'30''$ $197^{\circ}21'$

(D)

789.88 $180^{\circ}06'$ $360^{\circ}12'20''$

(C)

1296.64 $179^{\circ}55'40''$ $359^{\circ}51'30''$

FIELD PARTY

IN CHARGE _____
 INSTRUMENT _____
 NOTES _____
 TAPE READ _____
 TAPE OR ROD _____
 TAPE OR ROD _____
 INSTRUMENT NO. _____
 TAPE NO. _____

WEATHER

CLEAR _____ SNOW _____
 CLOUDY _____ HOT _____
 WINDY _____ MODERATE _____
 RAIN _____ COLD _____
 FAIR _____ FOG _____

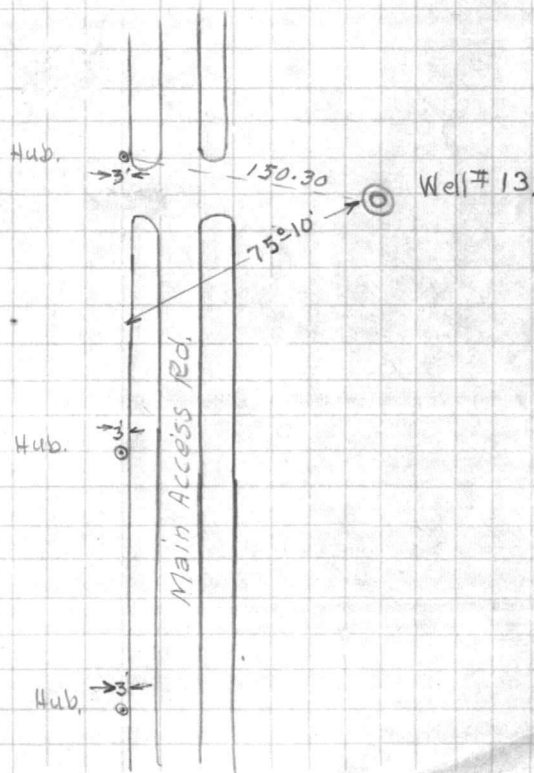
FILE No. _____

FLDR. No. _____

FIGURED BY _____ SHEET 8

NOTES CHECKED BY _____

PLOTTED BY _____ DATE 8-12 1942



FILE NO.



STEVENS UNIVERSITY
BALTIMORE, MARYLAND

VALUABLE

SUBJECT Traverse for Location of
Transmission Lines & Wells

RETURN TO
CARR & J. E.
GREINER Co.
JACKSONVILLE,
N. C.

FIELD PARTY

Wheeler IN CHARGE
Wheeler INSTRUMENT
Wheeler NOTES
Swain TAPE READ
____ TAPE OR ROD
Ward TAPE OR ROD
INSTRUMENT No. 70172
____ TAPE No. _____

WEATHER

CLEAR
CLOUDY
WINDY
RAIN ✓
FAIR
SNOW
HOT ✓
MODERATE
COLD
FOG

FILE No. _____

FLDR. No. _____

SHEET 1

NOTES CHECKED BY _____

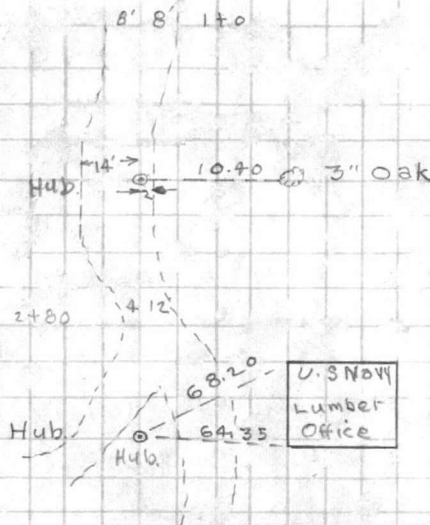
PLOTTED BY _____

DATE 8-5 1947

STATION	DIST.	ANGLE	+	H. I.	VER. ANG. DIFF.	ELEVATION
		° ' "				

2	1063.17	160° 06' + 320° 12' 30"				
---	---------	-------------------------	--	--	--	--

1	348.68					
---	--------	--	--	--	--	--



667

589

78

89

67

12

WASHINGTON BOARD
PAGE CONTENT U.S.A.

VALUABLE

SUBJECT Traverse for Location of
Water Mains & Wells 17-18-19-20 & 21

RETURN TO
CARR & J. E.
GREINER CO.
JACKSONVILLE,
N. C.

FIELD PARTY

IN CHARGE

INSTRUMENT

NOTES

TAPE READ

TAPE OR ROD

TAPE OR ROD

INSTRUMENT No.

TAPE No.

WEATHER

CLEAR
CLOUDY
WINDY
RAIN
FAIR
SNOW
HOT
MODERATE
COLD
FOG
FIGURED BY _____
NOTES CHECKED BY _____
PLOTTED BY _____

FILE No. _____

FLDR. No. _____

SHEET 2

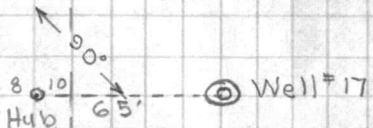
DATE 8-5-1942

STATION	DIST.	ANGLE	+	H. I.	VER. ANG. DIFF.	ELEVATION
---------	-------	-------	---	-------	-----------------	-----------

4	2336.25	179° 51' 20"	+	359	42' 30"	
---	---------	--------------	---	-----	---------	--

3	567.12	175° 41' 15"	-	351	22' 30"	
---	--------	--------------	---	-----	---------	--

----- 48" Corrugated Pipe
17+24



10+8 Hub

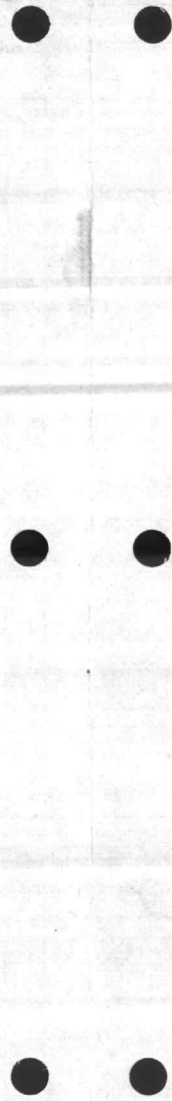
2' 4' 4+0

FILE NO.

SUBJECT

STRAIGHTS-CURTIS FLOWND

INCORPORATED U.S.A.



VALUABLE

SUBJECT Traverse Location of Wells
17-18-19-20 & 21, Also Water Mains

RETURN TO
CARR & J. E.
GREINER CO.
JACKSONVILLE,
N. C.

FIELD PARTY

IN CHARGE
Wheeler
INSTRUMENT
Wheeler
NOTES
Sandlin
TAPE OR ROD
Swain
TAPE OR ROD
INSTRUMENT No.
TAPE No.

WEATHER

CLEAR
CLOUDY
WINDY
RAIN ✓
FAIR
SNOW
HOT
MODERATE
COLD
FOG
FIGURED BY
NOTES CHECKED BY
PLOTTED BY

FILE No. _____

FLDR. No. _____

SHEET 3

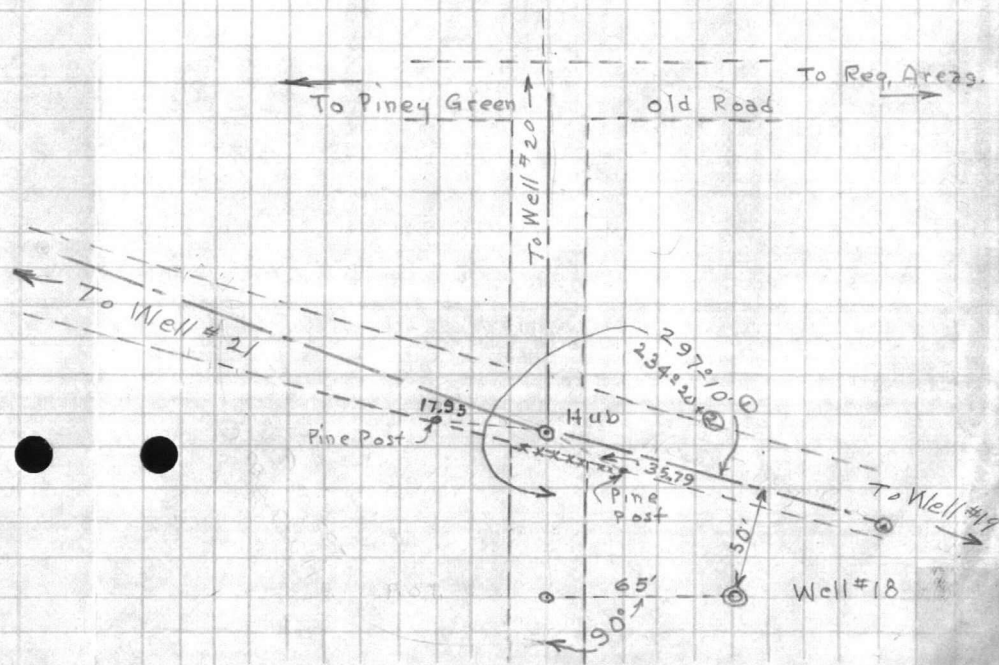
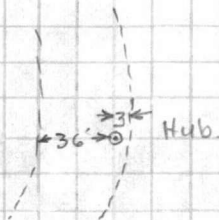
DATE 8-5 1942

STATION	DIST.	ANGLE	+	H. I.	—	ELEVATION
		° ' "			VER: ANG. DIFF.	

7 1431.41155 = 18 + 310° 36' 30"

6 968.59 119° 32' 30" @ 239° 05' @

5 66.25 180° 0' @ 360° 0' @



1019.16
13.60
5.56

1161.35
(47.75)
1013.60

RECEIVED 13/11/11

11/11/11

VALUABLE

SUBJECT Traverse Location of Wells

17-18-21.

RETURN TO

CARR & J. E.

GREINER CO.

JACKSONVILLE,
N. C.

STATION	DIST.	ANGLE	+	H. I.	-	ELEVATION
		° ' "			VER: ANG. DIFF.	

102° 34' 30"

1019.16 102° 34' 30" 205.69'

176.22' 30" 352.45'

468.99 176° 21' 45" ①

FIELD PARTY

Wheeler IN CHARGE

" INSTRUMENT

" NOTES

Sandlin TAPE READ

Swain TAPE OR ROD

TAPE OR ROD

INSTRUMENT NO. 70,177

TAPE NO. _____

WEATHER

CLEAR

CLOUDY

WINDY

RAIN

FAIR

SNOW

HOT

MODERATE

COLD

FOG

FIGURED BY _____

NOTES CHECKED BY _____

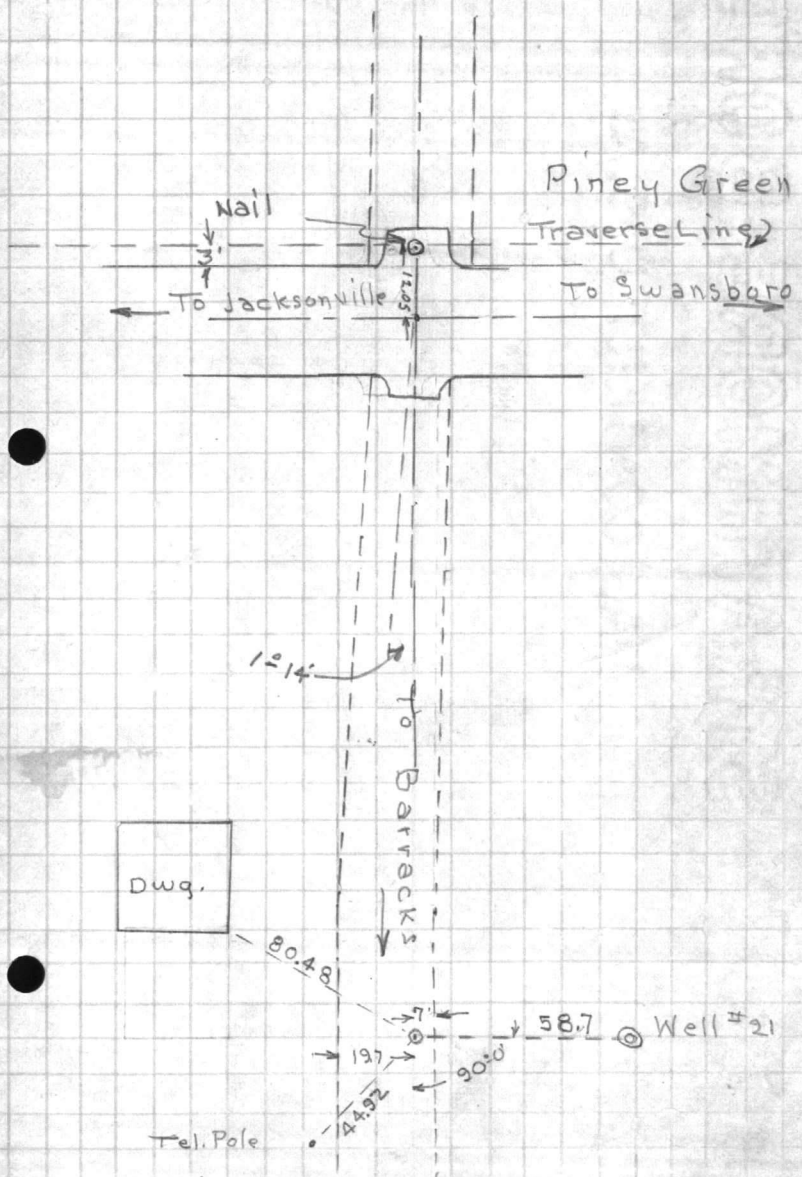
PLOTTED BY _____

FILE No. _____

FLDR. No. _____

SHEET 4

DATE 8-10 1942



STRAVIMORE BOND

STRAVIMORE BOND

PAG CONTENT



VALUABLE
 RETURN TO
 CARR & J. E.
 GREINER CO.
 JACKSONVILLE,
 N. C.

 SUBJECT Traverse Location of
Wells 17-18-19-20-E 21.
↳ Turned clockwise from B.S.

FIELD PARTY

W.G.W. IN CHARGE
 " INSTRUMENT
 " NOTES
Sandlin TAPE READ
Swain TAPE OR ROD
 TAPE OR ROD
 INSTRUMENT NO.
 TAPE NO.

WEATHER

 CLEAR
 CLOUDY
 WINDY
 RAIN
 FAIR
 SNOW
 HOT
 MODERATE
 COLD
 FOG

 FIGURED BY _____
 NOTES CHECKED BY _____
 PLOTTED BY _____

FILE No. _____

FLDR. No. _____

SHEET 5DATE 8-11 1942

STATION	DIST.	ANGLE ° ' "	+	H. I.	— VER: ANG. DIFF.	ELEVATION
---------	-------	----------------	---	-------	-------------------------	-----------

13	186.26	273° 36' 30" 273° 36' 20"				187:13
----	--------	------------------------------	--	--	--	--------

12	569.15	186° 55' ^① 13° 50' ^②				
----	--------	---	--	--	--	--

11	807.46	8° 09' 50" ^① 188° 10' 00" 16° 19' 40" ^②				
----	--------	--	--	--	--	--

10	797.16	4° 28' 15" 184° 28' 30" ^① 8° 56' 30" ^②				
----	--------	---	--	--	--	--

Asphalt Road

→ 3' ←

→ 3' ←

→ 3' ←

→ 3' ← Close to P.C.

REVISION 1
DATE 10/1/78
BY J. H. B. / J. H. B.
10/1/78

REVISION 1
DATE 10/1/78
BY J. H. B. / J. H. B.
10/1/78

FILE NO

VALUABLE
 RETURN TO
 CARR & J. E.
 GREINER Co.
 JACKSONVILLE,
 N. C.

 SUBJECT Traverse Location of
Wells 17-18-19-20 & 21
 * Turned clockwise from B.S.

FIELD PARTY

 IN CHARGE _____
 INSTRUMENT _____
 NOTES _____
 TAPE READ _____
 TAPE OR ROD _____
 TAPE OR ROD _____
 INSTRUMENT No. _____
 TAPE No. _____

WEATHER

 CLEAR _____ SNOW _____
 CLOUDY _____ HOT
 WINDY _____ MODERATE _____
 RAIN _____ COLD _____
 FAIR _____ FOG _____

FILE No. _____

FLDR. No. _____

SHEET 6

NOTES CHECKED BY _____

PLOTTED BY _____ DATE 8-11 1942

STATION	DIST.	ANGLE	+	H. I.	VER. ANG. DIFF.	ELEVATION
		° ' "				

15

Hub

P.C. 73+08.65

See Sheet 1 of 2
 Housing Project
 Aug. 21-1941

 Old Carolina Road
 ↓

14

^{92° 03' 60"}
 540.60 92° 03' 4 184° 06' 20

 Old Carolina Rd
 Hub.

 P.O.C. 78+49.25
 = 2+00 Vance Rd.



STRENGTH OF MATERIALS

APR 10 1947

AVIATION SUBJECT

100

VALUABLE

SUBJECT Traverse for Location of
Well #19

RETURN TO

CARR & J. E.
GREINER CO.

JACKSONVILLE,
N. C.

X turned clockwise from B.S.

STATION	DIST.	ANGLE	+	H. I.	VER. ANG. DIFF.	ELEVATION
		° ' "				

(b)

(a)

1318.00 / 58°26'30" + 316°52'30" +

6 1133.97 / 297°10' + 234°20' +

4

FIELD PARTY

IN CHARGE
Wheeler
INSTRUMENT
Wheeler
NOTES
Sandlin
TAPE READ
Swain
TAPE OR ROD
TAPE OR ROD
INSTRUMENT NO.
TAPE NO.

WEATHER

CLEAR
CLOUDY
WINDY
RAIN
FAIR
SNOW
HOT
MODERATE
COLD
FOG
FIGURED BY
NOTES CHECKED BY
PLOTTED BY

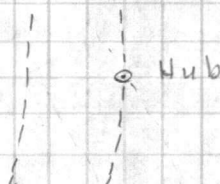
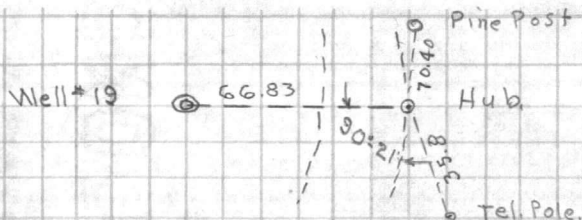
FILE No. _____

FLDR. No. _____

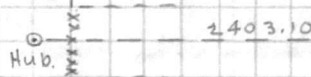
SHEET 1 of 1

DATE 8-6 1942

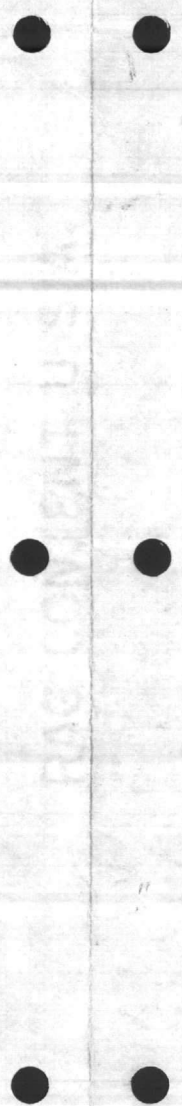
8-



Well #18 See Pg. 3



ADMINISTRATIVE UNIT



FILE NO.

DATE

TIME

REMARKS

1500

VALUABLESUBJECT Traverse for Location of
Well # 20RETURN TO
CARR & J. E.
GREINER Co.
JACKSONVILLE,
N. C.Angles turned Clock-wise from B.S.

STATION	DIST.	ANGLE	+	H. I.	VER: ANG. DIFF.	ELEVATION
		° ' "				

487.32 180°00' 360°00'

483.55 180°0' 360°0'

417.60 180°00' 360°00'

506.0 180°0'

511.53 180°0' 360°0'

22729
27327

FIELD PARTY

Wheeler IN CHARGE
Powers INSTRUMENT
Wheeler NOTES
Maides TAPE READ
Swain TAPE OR ROD
Ward TAPE OR ROD
INSTRUMENT No.
TAPE No.

WEATHER

CLEAR
CLOUDY
WINDY
RAIN
FAIR

SNOW
HOT ✓
MODERATE
COLD
FOG

FILE No. _____

FLDR. No. _____

SHEET 1 of 1DATE 8-7-19428-8-42Hub
90°00'
Well # 20

Hub

Hub

← To Piney Green

Hub.

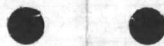
old Road

To Piney Green

Hub. To Trailer Camp

See Traverse
Sheet # 3 - # 17 Well
Location.

VALUABLE



STATIONERY DIVISION
U.S. DEPARTMENT OF JUSTICE

VALUABLE
 RETURN TO
 CARR & J. E.
 GREINER CO.
 JACKSONVILLE,
 N. C.

 SUBJECT Elevations for Blow off
 Valve at Well # 13.
FIELD PARTY
 IN CHARGE
 W.G.W
 INSTRUMENT
 " "
 NOTES
 Ward
 TAPE READ
 TAPE OR ROD
 TAPE OR ROD
 INSTRUMENT NO.
 TAPE NO.
WEATHER
 CLEAR
 CLOUDY
 WINDY
 RAIN
 FAIR
 SNOW
 HOT
 MODERATE
 COLD
 FOG

FILE No. _____

FLDR. No. _____

SHEET 1.

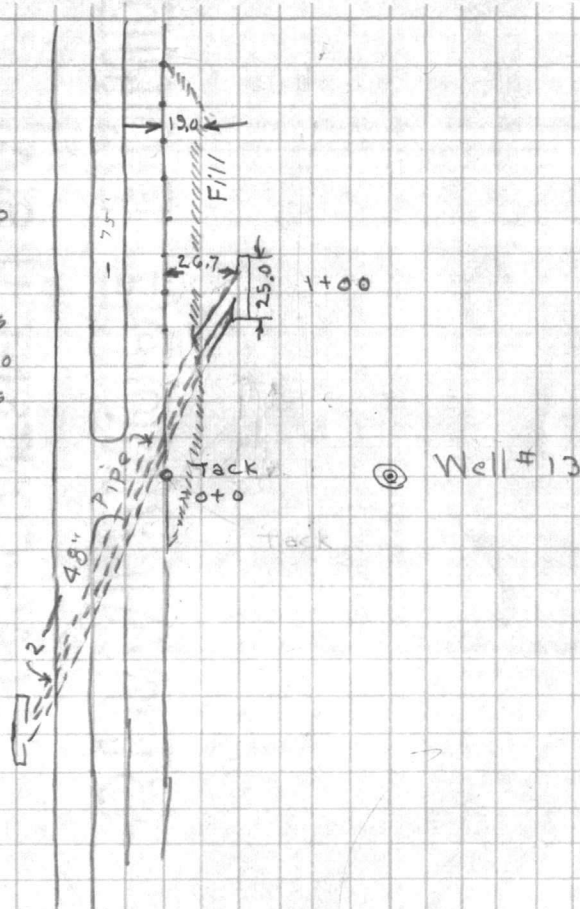
DATE 8-27 19 47

FIGURED BY _____

NOTES CHECKED BY _____

PLOTTED BY _____

STATION	DIST.	ANGLE ° ' "	+	H. I.	VER. ANG. DIFF.	ELEVATION
T.P. See Pg. #1.						20.78
			6.02			
0+0	-75'	off & MARD.			7.3	19.5
0+25	"	"			8.2	18.6
0+50	"	"			10.2	16.6
0+75					10.6	16.2
1+0					9.4	17.4
1+25	"	"	"	in Ditch	13.6	13.2
1+50	"	"	"		13.0	13.8
1+75	"	"	"		13.9	12.9
2+0	"	"	"		11.8	15.0
2+25	"	"	"		10.4	16.4
2+50	"	"	"		5.5	21.3
Top Headwall					9.43	17.37
Top 48" Pipe					10.04	16.76
					6.02	20.78

 2+50
 2+25
 2+0
 1+75
 1+50
 1+25
 1+0
 0+75
 0+50
 0+25


STRATHMORE BOND

MADE IN U.S.A.



VALUABLE

RETURN TO
CARR & J. E.
GREINER CO.
JACKSONVILLE,
N. C.

SUBJECT Levels on Wells 17-18-19-20-21

FIELD PARTY

IN CHARGE
W.G.W
INSTRUMENT
1
NOTES
Ward
TAPE READ
TAPE OR ROD
TAPE OR ROD
INSTRUMENT NO.
TAPE NO.

WEATHER

CLEAR
CLOUDY
WINDY
RAIN
FAIR
SNOW
HOT ✓
MODERATE
COLD
FOG

FILE No. _____

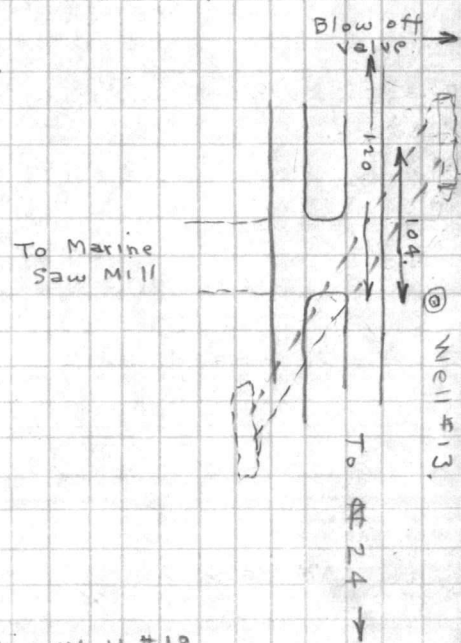
FLDR. No. _____

SHEET 1

FIGURED BY WCA
NOTES CHECKED BY _____
PLOTTED BY _____

DATE 8-27 1942

STATION	DIST.	ANGLE ° ' "	+	H. I.	— VER. ANG. DIFF.	ELEVATION	
						31.785 ✓	B.M. #28 31785 ✓
			5.69	37.475			
T.P.			0.17	31.825 31.83	5.82	31.655	
T.P.			3.69	24.465 24.47	11.05	20.775 20.78	
					11.0	13.5	Ditch below Culvert 104' south of Well #13
					9.4	15.1	Approx. Location for Blow
					3.16	21.31	@ W. Lane M.A. Rd at Blow off
					3.0	21.5	Well #13 - Ground.
T.P.			8.14	32.495	0.11	24.355	
T.P.			4.20	36.585	0.11	32.385	
T.P.			4.66	36.865	4.38	32.205	
T.P.			3.46	36.195	4.13	32.735	
					3.48	32.715	Ground at Well #17
T.P.			4.87	36.315	4.75	31.445	
T.P.			7.91	40.695	3.53	32.785	
T.B.M.					4.39	36.305	Hub. P.I. at Road Int. by Well #18
					5.40	35.295	Ground at Well #18



STIMULANT MONITORING BOARD

HAS CONTINUED SINCE

VALUABLE

RETURN TO
CARR & J. E.
GREINER CO.
JACKSONVILLE,
N. C.

SUBJECT Levels on Wells 17-18-19-20 & 21

FIELD PARTY

IN CHARGE
W.G.W.
INSTRUMENT
"
NOTES
Ward.
TAPE READ
TAPE OR ROD
TAPE OR ROD
INSTRUMENT NO.
TAPE NO.

WEATHER

CLEAR
CLOUDY
WINDY
RAIN
FAIR
SNOW
HOT ✓
MODERATE
COLD
FOG

FILE No. _____

FLDR. No. _____

SHEET 2

FIGURED BY WCA
NOTES CHECKED BY _____
PLOTTED BY _____

DATE 8-27 19 41

STATION	DIST.	ANGLE ° ' "	+	H. I.	— VER: ANG. DIFF.	ELEVATION	
T.P.			0.42	35.835	5.28	35.415	
T.P.			4.14	35.235	4.74	31.095	
					6.53	28.705	Ground at Well #19
T.P.			8.35	40.255	3.33	31.905	
T.BM. - T.P.			4.03	40.335	3.95	36.305	see sheet #1.
T.P.			6.42	45.405	1.35	38.985	45.41 = 4.1.
T.P.			4.03	45.035	4.40	41.005	
					4.26	40.775	Ground at Well # 21
T.P.			2.67	43.825	3.88	41.155	Int. U.S. #24 & Piney Green Rd.
T.P.			1.57	41.495	3.90	39.925	
B.M #346					4.59	36.905	369' 850' West of Piney Green, (36.575) Nail in 14" Pine



VALUABLE

SUBJECT Levels to Well # 20

RETURN TO
CARR & J. E.
GREINER CO.
JACKSONVILLE,
N. C.

FIELD PARTY

IN CHARGE
W.G.W.
INSTRUMENT
" "
NOTES
ward
TAPE READ
TAPE OR ROD
TAPE OR ROD
INSTRUMENT NO.
TAPE NO.

WEATHER

CLEAR
CLOUDY
WINDY
RAIN
FAIR
SNOW
HOT
MODERATE
COLD
FOG

FILE No. _____

FLDR. No. _____

SHEET 3

DATE 8-27 1942

FIGURED BY WCA
NOTES CHECKED BY _____
PLOTTED BY _____

STATION	DIST.	ANGLE ° ' "	+	H. I.	VER: ANG. DIFF.	ELEVATION
---------	-------	----------------	---	-------	--------------------	-----------

T.B.M.						36.305
	2.56			38.865		

See Sheet #1.

T.P.				39.13	41.095	2.90	35.965
------	--	--	--	-------	--------	------	--------

T.P.				4.17	41.405	3.86	37.235
------	--	--	--	------	--------	------	--------

T.P.				6.30	40.965	6.74	34.665
------	--	--	--	------	--------	------	--------

5.9 35.1

Ground at Well #20.

T.P.				5.63	41.295	5.30	35.665
------	--	--	--	------	--------	------	--------

T.P.				3.62	40.425	4.49	36.805
------	--	--	--	------	--------	------	--------

36.335

4.09 ~~36.575~~

See Sheet #1.

T.B.M.

7
STEWART H. MORE BOND
816 CANTON U.S.A.



8/28/12
W.R. COOK

TO MR B E BEAVIN

GROUND ELEV. AT WELLS #17-18-19-20-21

WELL #17 — GROUND ELEV. 32.7

" #18 — " " 35.3

" #19 — " " 28.1

" #20 — " " 35.1

" #21 — " " 40.8

MADE IN U.S.A.

BOND

RAMMERT

MADE IN U.S.A.

BOND

HAMMERSHIRE

Run by Wheeler 8-10-42

CARR AND J. E. GREINER COMPANY

ARCHITECT-ENGINEERS

MARINE BARRACKS, NEW RIVER, N. C.

SUBJECT *Computation for Water Line Traverse*

SHEET 1 OF

COMPUTED BY: *WCA* DATE *8-14-42*

CHECKED BY: DATE

OWEN G. DUNN CO. 3974-5M 12-41

Sta.	Dist	Bearing
Trussd. RM #2	139.37	N20° 36' 30" W
TRUES DALE	423.17	45° 48' 45" LT
(A)	700.70	N66° 25' 15" W
(B)	1636.93	19° 19' LT
(C)	1896.64	N85° 44' 15" W
(D)	789.88	S85° 14' 15" E
(E)	440.19	64° 04' 30" RL
1.	348.68	S21° 39' 45" E
2.	1063.17	0° 04' 15" LT
3.	667.12	S21° 44' 00" E
4.	2336.25	0° 06' 10" RL
5. ROT	66.25	S21° 37' 50" E
6.	968.59	81° 19' 30" LT
7.	1431.41	N77° 02' 40" E
8.	468.99	33° 53' RL
9.	1019.16	S69° 04' 20" E
10.	797.16	19° 53' 45" LT
11.	809.46	S88° 58' 05" E
12.	569.15	4° 18' 45" LT
13.		N86° 43' 10" E
		0° 08' 45" LT
		N86° 34' 25" E
		N86° 34' 25" E
		60° 24' 30" LT
		N26° 06' 55" E
		24° 41' 45" LT
		N1° 25' 10" E
		3° 37' 30" LT
		N2° 12' 20" W
		77° 25' 30" LT
		N79° 37' 50" W
		4° 22' 15" RL
		N75° 09' 35" W
		8° 09' 50" RL
		N66° 59' 45" W
		6° 55' RL
		N60° 04' 45" W

CARR AND J. E. GREINER COMPANY

MARINE BARRACKS, NEW RIVER, N. C.

ARCHITECT-ENGINEERS

OF

SHEET

SUBJECT

DATE

CHECKED BY:

DATE

COMPUTED BY:

OWEN S. GUNN CO. 12-21

Fidelity Union S&A

MADE IN U.S.A.

CARR AND J. E. GREINER COMPANY

ARCHITECT—ENGINEERS

MARINE BARRACKS, NEW RIVER, N. C.

SUBJECT Water Line Traverse Cont'd.

SHEET 2 OF

COMPUTED BY: WCA

DATE 8-14-42

CHECKED BY:

DATE

OWEN G. DUNN CO. 35974—SM 12-41

Sta.	Dist.		Bearing
12	569.15	379 59 60	N 60° 01' 45" W
13	186.20	273 36 30	93° 36' 30" RL
		86 23 30 H	
		179 59 68	N 33° 31' 45" E
		46 28 20	87° 56' 50" H
14	540.41 Ch.	92 03 10	N 54° 25' 05" W
		87 54 50	2° 42' 11" RL
15			N 51° 42' 54" W
FC. 73 + 08.65		N 357, 252.91	E 3,501, 286.89
N 51° 42' 42" W			

DE = 5° 42'

094 3525

5° 24' 30"

2° 42' 11"

BARRACKS

CARR AND J. E. GREINER COMPANY

CARR AND J. E. GREINER COMPANY

MARINE BARRACKS NEW RIVER N. C.

ARCHITECT-ENGINEERS

SUBJECT

SHEET

OF

COMPUTED BY:

DATE

CHECKED BY:

DATE

OWEN & DUNN CO. 2224 - 12-41

Barack
Fidelity Green 2nd

2330 - 17-18

CARR & J. E. GREINER CO.
ARCHITECT - ENGINEERS

Marine Barracks, New River, N. C.
Sheet _____ of _____

Traverse Computation
Description:

Water line & Well Traverse - (Run by Wheeler 8-10-42) WCA 8-14-42

Station	Distance	Bearing	Cosine	Sine	Latitude	Departure	Y Coordinate North	X Coordinate East
True date							356,181.01	2,499,102.26
(A)	423.17	N 66° 25' 15" W	400.0158	916.5082	+ 169.27	- 387.84	356,350.28	2,498,714.42
(B)	700.70	N 85° 44' 15" W	0743261	997.2340	+ 52.08	- 698.76	352,402.36	2,498,015.66
(C)	1686.98	S 21° 39' 45" E	9293743	3691385	- 1567.84	+ 622.73	354,834.52	2,498,637.79
(D)	1296.64	S 21° 44' 00" E	9289173	3702872	- 1204.47	+ 480.73	353,630.05	2,499,117.42
(E)	789.88	S 21° 37' 50" E	9295800	3686203	- 734.26	+ 291.17	352,895.79	2,499,408.59
1.	440.19	N 77° 02' 40" E	2241952	9745443	+ 98.69	+ 428.98	352,994.48	2,499,837.57
2.	348.62	S 69° 04' 20" E	3571909	9340314	- 124.55	+ 325.63	352,869.93	2,500,163.25
3.	1063.17	S 82° 58' 05" E	0180099	9998378	- 19.15	+ 1063.02	352,850.78	2,501,225.85
4.	567.12 607.12	N 86° 43' 10" E	0572252	9983613	+ 38.42	+ 568.73	352,883.23	2,501,792.04
5.	2336.25	N 86° 34' 25" E	0597661	9982124	+ 139.68	+ 2332.07	353,022.91	2,504,123.27
6.	66.25	"	"	"	+ 3.96	+ 66.13	353,026.87	2,504,189.40
7.	968.59	N 26° 06' 55" E	8979103	4401786	+ 869.71	+ 426.35	353,896.58	2,504,615.75
8.	1431.41	N 1° 25' 10" E	9996943	0247714	+ 1430.97	+ 35.46	355,327.55	2,504,651.21
9.	468.99	N 2° 12' 20" W	9992592	0384847	+ 468.64	- 18.05	355,796.19	2,504,633.16
10.	1019.16	N 79° 37' 50" W	1799946	9836676	+ 183.44	- 1002.51	355,979.63	2,503,630.65
11.	797.16	N 75° 09' 35" W	2561253	9666436	+ 204.17	- 770.56	356,183.80	2,502,860.09
12.	807.46	N 66° 59' 45" W	3907281	9204765	+ 315.55	- 743.25	356,499.35	2,502,116.84
13.	569.15	N 60° 04' 45" W	4988029	8667154	+ 283.89	- 493.29	356,783.24	2,501,623.55

$$\begin{array}{r}
 N\ 21^{\circ}\ 47'\ 50''\ W \\
 75^{\circ}\ 10'\ \quad \quad \quad Lt \\
 \hline
 96^{\circ}\ 47'\ 50'' \\
 179\ 59\ 60 \\
 \hline
 583^{\circ}\ 12'\ 10''\ W
 \end{array}$$

CARR & J. E. GREINER CO.
ARCHITECT - ENGINEERS

Marine Barracks, New River, N. C.
Sheet _____ of _____

Traverse Computation
Description:

Coords of Well #19

WCA - 8-20-42

Station	Distance	Bearing	Cosine	Sine	Latitude	Departure	Y Coordinate North	X Coordinate East
6		N 86° 34' 25" E					353,026.87	2,504,189.40
(a)	1133.97	S 23° 44' 25" W	915.3798	402.5914	- 1038.01	- 456.53	351,988.86	2,503,732.87
(b)	1318.00	S 2° 10' 40" W	999.2777	038.0002	- 1317.05	- 50.08	350,671.81	2,503,682.79
Well 19	66.83	S 87° 28' 20" E	0441037	9990270	- 2.95	+ 66.76	350,668.86	2,503,742.55
(E)		(S 21° 37' 50" E)					352,895.79	2,499,408.59
Well-13	150.30	S 83° 12' 10" W	1183558	9929712	- 17.79	- 149.24	352,878.00	2,499,259.35
4							352,883.23	2,501,792.04
WELL 17	65.0	S 3° 25' 35" E	9982124	0597661	64.88	3.88	352,818.35	2,501,795.92
5							353,022.91	2,504,123.27
WELL 18	65.0	S 3° 25' 35" E	9982124	0597661	64.88	3.88	352,958.03	2,504,127.15
6							353,026.87	2,504,189.40
WELL 20	2400.00	N 86° 34' 25" E	0597661	9982124	143.44	2395.71	353,170.31	2,506,585.11
WELL 20	(7) 65.00	S 3° 25' 35" E	9982124	0597661	64.88	3.88	353,105.43	2,506,588.99
8							355,327.55	2,504,651.21
WELL 21	58.7	S 88° 34' 50" E	0247714	9996931	1.45	58.68	355,326.10	2,504,709.89

559 60
297 10

62 50

N 66° 30' 25" E
W
62° 50' Lt
S 23° 44' 25" W
21° 33' 45" Lt
S 2° 10' 40" W
89° 39' Lt

S 87° 28' 20" E

179 59 60
158 26 15

21 33' 45" Lt

797.16

1167.35

147.75
1013.60

VALUABLE

RETURN TO
CARR & J. E.
GREINER CO.
JACKSONVILLE,
N. C.

SUBJECT Profile on water line
from T near well #18
to well #20
Elev. to top of pipe

FIELD PARTY

IN CHARGE _____
INSTRUMENT G.S.
NOTES _____
TAPE READ _____
TAPE OR ROD _____
TAPE OR ROD _____
INSTRUMENT NO. _____
TAPE NO. _____

WEATHER

CLEAR _____ SNOW _____
CLOUDY _____ HOT _____
WINDY _____ MODERATE _____
RAIN _____ COLD _____
FAIR _____ FOG _____
FIGURED BY _____
NOTES CHECKED BY _____
PLOTTED BY JFW

FILE No. _____

FLDR. No. _____

SHEET _____

DATE 3/31/1943

STATION	DIST.	ANGLE ° ' "	+	H. I.	— VER. ANG. DIFF.	ELEVATION	
B.M.						37.27	
0+00		1.74		39.03	6.9	32.1	T on main transition line = 0+00 East edge of Road near Well #18
2+00					7.5	31.5	
4+00					9.2	29.8	Small drain
6+00					7.0	32.0	
8+00					7.4	31.6	
T.P.					2.85	34.18	
	4.82			41.00			
10+00					8.4	32.4	
12+00					8.8	32.2	
14+00					8.6	32.4	
16+00					8.4	32.6	
T.P.					2.23	38.77	
	1.44			40.21			
18+00					7.6	32.6	
19+30					7.4	32.8	Edge of pond
20+30					10.0	30.2	Center " "
21+00					9.2	31.0	Edge " "
23+00					7.9	32.3	
					1.95	38.26	
	2.34			40.40			
23+67					9.0	31.6	Line Turns 90° to the Right 23+72 = Valve
24+23					8.0	32.6	
24+24					5.05	35.55	Well #20 Fl. Elev. of Well #20

YACUBAIE

EDUBSON

FILE NO.

WEATHER
WIND
TEMP
HUMIDITY
PRESSURE
SEA STATE

WIND DIRECTION
WIND FORCE
WAVE PERIOD
WAVE HEIGHT
WAVE DIRECTION

DATE

TIME

WALTHAMPTON BOARD

VALUABLE

RETURN TO
CARR & J. E.
GREINER CO.
JACKSONVILLE,
N. C.

SUBJECT Profile on water line
from T near well # 19 to
Well # 19
Elev. to top of pipe

FIELD PARTY

IN CHARGE
INSTRUMENT
NOTES
TAPE READ
TAPE OR ROD
TAPE OR ROD
INSTRUMENT NO.
TAPE NO.

WEATHER

CLEAR
CLOUDY
WINDY
RAIN
FAIR
SNOW
HOT
MODERATE
COLD
FOG
FIGURED BY
NOTES CHECKED BY
PLOTTED BY

FILE No. _____

FLDR. No. _____

SHEET 1

DATE 3/31/1943

STATION	DIST.	ANGLE		H. I.	VER. ANG. DIFF.	ELEVATION
		°	' "			
		2.40		39.87		37.27
0+00					7.7	32.1
0+30					7.7	32.1
2+00					8.2	31.6
4+00					8.7	31.1
6+00					8.8	31.0
T.P.					4.80	35.07
		1.33		36.40		
8+00					5.9	30.5
10+00					8.1	28.3
T.P.					1.46	34.94
		0.40		35.34		
12+00					8.5	26.9
14+00					10.4	24.7
16+00					9.1	26.2
18+00					9.3	26.0
T.P.					2.75	32.59
20+00		2.71		35.30		
22+00					8.4	26.7
24+00					9.1	26.2
25+00					9.6	25.7
25+22					9.9	25.4
25+38					5.32	29.98

T on main transmission line = 0+00 15' from & Rd.
East edge of Road near Well # 18
PIPE turns 45° 19' from & Rd.

Pipe 19' from & Rd. pipe curves with Rd.

Pipe turns 90° to left 25+05 = valve

Well # 19
Fl. Elev. of Well # 19

Water Line Runs Along the S.E.
edge of Road approximately
19' from & of Road

2

AVAILABLE

SUBJECT

DATE

TIME

BY

REMARKS

INITIALS

SIGNATURE

DATE

TIME

BY

REMARKS

INITIALS

SIGNATURE

DATE

TIME

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REMARKS

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VALUABLE

RETURN TO
CARR & J. E.
GREINER CO.
JACKSONVILLE,
N. C.

SUBJECT Level notes
From Well # 20 to B.M.
near Well # 18 & from
Well # 19 to B.M. near
Well # 18

FIELD PARTY

IN CHARGE _____
INSTRUMENT _____
G.S. NOTES _____
TAPE READ _____
TAPE OR ROD _____
TAPE OR ROD _____
INSTRUMENT NO. _____
TAPE NO. _____

WEATHER

CLEAR _____ SNOW _____
CLOUDY _____ HOT _____
WINDY _____ MODERATE _____
RAIN _____ COLD _____
FAIR _____ FOG _____
FIGURED BY _____
NOTES CHECKED BY _____
PLOTTED BY _____

FILE No. _____

FLDR. No. _____

SHEET _____

DATE 3/31/ 1943

STATION	DIST.	ANGLE		H. I.	VER. ANG. DIFF.	ELEVATION	
		o	"				
B.M.		5.05	40.60			35.55	Fl. Well # 20
T.P.					4.54	36.04	
		5.24	41.30				
T.P.					4.11	37.19	
		3.17	40.34				
T.P.					5.57	34.85	
		5.10	39.95				
					2.70	37.25	B.M. 37.27
B.M.		5.32	35.30			29.98	Fl. Well # 19
T.P.					3.45	31.85	
		3.51	35.36				
T.P.					0.48	34.88	
		5.08	39.96				
T.P.					4.75	35.21	
		4.58	39.79				
					2.54	37.25	B.M. 37.27

VALUABLE

RECORD

INDEX

FILE

NO.

DATE

BY

INITIALS

REMARKS

DESCRIPTION

OF PROPERTY

ACQUIRED

BY THE

STATE

OF

MISSISSIPPI

IN

THE

YEAR

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MISSISSIPPI

CONTAINING

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FILE NO.

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