

No. 23



May, 1st, 1910 to

Herman Hunter.

Indis ed. Jan 15, 1915

1

When an analysis is given
in grains per U.S. Gallon in order
to state it in parts per million
divide by 58 318.

Size of these note books $4\frac{1}{2} \times 7\frac{3}{4}$.

See Kings

Stop at Carter's ~~close to Wisconsin~~, ^{if} drive
from Ladulona to Carter.

Look up wells east of Barton.

" " " " Nichols.

at St. Myers, get information in
regard to sales in wells.

Stop at Punta Gorda to get pressure
of wells. (see small note book)

How far up the Manatee River
can a flow be obtained. Get
pressure.

Fuller's earth plant at Ellenton.

Get pressure of wells at St.

Petersburg, Jarpon Springs.

If I can get through at Carter,
go to Wisconsin, and at 4:00
o'clock go to St. Clouds, back to
Wisconsin and leave at 7:22 for
Barton, arriving there at 9:05

At St. Cloud see L. S. Floyd⁵
about well samples. See well
drillers, ask for Mr. Cornelly, driller.

At Nichols see well at Phosphate
mining co., 263, 10, 74 + 4.

At Barton inquire for Mr. Reed,
well driller. (Palmetto^{phos. co.} well.) 169, 6.

at ^{manatee} (Bradentown) see Mr. Pettigrew,
well driller, (Oscar Krouse, owner)

See Capt. Johnson at Kissimmee
in regard to wells sunk in
the Kissimmee Valley.

(Prof. Papers, 44 & 46.)

At Jay get one note book,
indexed, 6 x 10 or so,
see about bottles for samples.

Carters is low and flat and flowing wells can be had from a depth of 15 to 55 feet. Surface soil or sand for about 1 or 1 1/2 feet, then blue very plastic clay to the bottom of the well. The deeper well is 55 feet, 2 inches, in diameter and at the depth of 55 feet a very hard rock was struck which the drill could not penetrate. Nature of rock unknown. Water emerges boiling and is charged with H₂S. Boilers employed used. In extreme dry seasons the shallow (15 feet or more) wells cease to flow and the deeper wells decrease in flow to a marked extent. Mr. Carter states there are probably 50 wells in and ~~around~~ Carters, all of the above the type. The little pond in which the mill logs are floated is supplied with water from these shallow flowing wells. The head of these wells varies ~~from~~ just above or below the surface to as much as 5 feet above.

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The shallow wells are not flowing now 5/12/10. Country from Lasaland to Carters is general flat. Out from Lasaland it is very sandy and slightly undulating. Within about 2 or 3 miles of Carters it drops down and is very flat and hummocky or swampy. In these lowlands the hardwood predominates, on the sandy ridge or upland, long leaf pine and scrub palmetto. Hard pan or a reddish-brown clay was seen in a pit about midway between Lasaland & Carters. This probably underlies the whole region where it is so sandy. Blue clay near Carters and vicinity.

Carters	1070	at 10:00 o'clock.
2 mi. S.	1060	
4 mi. S.	1100	scrub here. 1/2 mi. of palmetto ^{scrub} _{spring}
Lasaland dept.	1150	at 11:15 am.
Lasaland dept	1080	at 11:45 am.
Carters "	1010	
Ambundale	1030	
Chubb	1035	

Hager City	1030
Loughman	1020
Campbells	985
Hessinnell	985

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from earlier north for about 3 miles
it continues flat and good growth
of long bay pine only pines are tall
and slim. It is rather low and
swampy. no palmettos but good
growth of low green bushes or
tuss. Beyond this to Aubundale
is a broad sandy, high ridge with
pine growth somewhat but mostly
oaks and no palmettos. So high and
sandy. On leaving Aubundale north
we pass through a small "patch" of scrub
this gives way to flat sandy with oak and
pine trees. Lakes continue, and around
these lakes the topography is rolling.
We pass through quite a cut showing
yellow sand about 3 or 4 miles north
Aubundale near a big mill, on lake.

this lake only about 1 mile south of Chubb
(or Barton jet.) the country around here is
very sandy and rolling. All pines removed
showing nothing but (sparsely) oak trees.
Reddish mottled looking clay seen in
cut near Chubb overlain by sand.
Innumerable small lakes or ponds
Small areas are flat. Fine stretch
of pine timber about 5 mi. N. of
Chubb. Prairie. Oaks no palmetto.
Palmettos begin about 6 mi. N. Chubb,
few only. Principally pine & oak,
still rolling & lakes. R.R. cut
showing red sandy clay as Haines
City. Topography rolling lakes, pine, oak.
no palmettos. Big sand cut just north of
the depot does not show the red clay as
seen in cut south of depot. Palmetto
about 3 mi. N. Haines City with pine & oak.
Palmettos plentiful near water tower
about 5 mi. N. Hager City (1 mile or so.)

Country then rolling sandy for about 2 1/2
miles, our principal growth some pine.
It then becomes flat, and "prairie"
growth pine and
scrub palmetto, this for about 1 mile.
Rolling and sandy, oaks, some pines.
This is type surrounding Longhorn.
Sassa here and large mill. north of
Longhorn scrubby country, many
palmettos. Country becomes more flat
and hammocky, Cabbage palms and
thick growth of hard wood in these
lower places. Crossing of stream 990
Country becomes flat and prairie like
that surrounding Kissimmee, some scrub
palmetto, & pine but the growth looks
scrubby to Campbell's, the hammock and
flat lands again palmetto & pine & prairie to
Kissimmee.

Southern Colonization Co. well above of Alligator
Bluff or about 2 mi south of the and six
miles east, did not flow. Mr. Butler, see
him.

Capt. Johnson's well. 100, 1 1/4, 96 + 4, 1900 ^{ch.}
owner. ~~Hard~~ not very hard, slight sulphur.

Average depth of wells at Kissimmee
about 140 or 145 feet, head averages about
4 feet around the lake, decreases according
to elevation. This depth of wells furnishes
a harder water and more sulphur.

Kissimmee, 1020
 1st. 1030
 2nd 1000
 H.C. 1010

at 4:30 pm. 13

St Cloud well total depth on May 12, 1910
 680 feet, and cased 490 feet. ~~Head~~
 Head of well - 16 ft. At 450 feet
 head was - 25 feet. ^{1st} increased head
 at depth of 520 feet to - 21 feet. 2nd
 increase at about 650 feet, head at
 this depth - 16 feet, Water is hard, sulphur
 no salt. Well commenced 10 inches, 200
 feet, now 8 in 490 feet. Will be six
 inches when completed. Work abandoned
 since May 9th, 1910 on account of
 waiting for bick closing. Will resume
 work about May 17th, 1910.

Send J. R. Cornelley,
 St. Cloud, Fla.

#5 temp.

Kissimmee to St Cloud.

Country from Kissimmee to St. Cloud
 is very flat. A great deal of it
 is prairie. That which is not is
 flat and sandy and is covered
 with a growth of pine and scrub
 palmetto. Soil does not look rich,
 pine trees themselves look "scrubby".
 The prairie soil is a muck as seen
 in ditches along the railroad. In
 some instances this muck soil is
 only a few inches thick. However and
 immediately under it is a white
 sand. Again it was seen that the
 muck was at least two feet deep
 as the ditches did not cut through to
 the bottom in some places.

Lascland to Barton.

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On leaving Lascland for Barton the country continues very sandy and scrubby for several miles. The growth is pine and some palmettos but for great distances it is the characteristic scrub growth. On approaching Barton the soil becomes richer looking and the growth better. Pine trees principally, some oaks.

Sand
m. c. r. Red,
~~Booth. #1 #2 #3 #4~~

D.

Barton 1030. at 12:15 P.M.

16

Mullery 1020

Nichols 1030 2:15 P.M.

Nichols 1040

Flouring well at mine #4, sec. 9. 990.

Barton to Ft Myers.

From Barton to Ft Myers is one continuous stretch of flat pine woods covered with scrub palmettos. In some places the soil looks richer but taken as a whole the general run of land looks poor. From Punta Gorda to Ft Myers extremely flat and rock lies only a few inches below the surface. Same as in vicinity of Miami. Not a house from Punta Gorda to the crossing of Caloosahatchee River with Ft. Myers.

Marco,

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Capt.

H. D. Collier, flowing well,
salt, + many, good flow. sulphur,
used for bathing, and toilet.

all

H. H. Jones, 1st Nat'l Bldg.
James E. Hendry, E. Ft. Myers.
about well in pasture

H. Sheriff

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Seminole Power + Ice Co. use
a spring as source of water. No
wells in use. Spring small and
water was analysed. Water hard
and emerges as a boil. The spring
is covered up like a well. It
is in a bad location, danger of
contamination as ~~the~~ it is
surrounded by horse + mule lot.

5/16/10

Ft. Myers.

Ft. Myers has no city water
works. For fire protection artesian
wells are used and an engine
is attached drive to well to
increase pressure. Many wells
are in use and are the chief
source of water in and around
Ft. Myers. Water is slightly brackish.

at Stadler, Mr. Sheriff is putting 19
down a well.

Write Thomas A. Edison.

for log of well is 34 mgs.

Thomas A. Edison 1 mi. $\frac{1}{2}$ m. 34 mgs.

Lee County Well Works.

647, 6, 350	+	25 lbs. 1907	1907.	sulphur	1300 min
e.z. Red.			alt.	no salt.	
400, 3, 175.	+		1907	"	200 min

A. P. Miller, 7 Rods, E.

Lee County Well Works.

535, 4 1/2,	7	+	22 1/2 lbs. May, 11, 1910,	1910	sulphur	450 min.
					no salt.	

Gauge 17 lbs. May, 17, 1910

H. A. Lapeere, 34 mgs, 3 ea.

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The city owns 5 wells used for
fire protection and are all 4 1/2 inch,
and average 600 feet in depth. Flow is
about 450 gals a min. The head is 22 1/2
lbs. Wells were drilled in 1904 1906, 1908
Two wells were drilled by C. E. Red, other 3 by D. C. H. H.
In addition there are 5 private wells that
the city can use in case it's necessary.

The Lee County Well Works has since about
80 wells in Lee County. Mr. H. A. Sheriff says
he thinks a flow can be obtained anywhere
in Lee County.

See John Kinsey at
Arcadia, Well driller.

Neal S. Storby.

Emerald, 3 ea.

(7/7/10.) with him.

Log of well of A. P. Miller 21
St. Myers. by Mr. Surf.

0-5 surface soil
5-19 sand and shell, surface water.
19-79 white "quartz" sand, small flow, some sulphur.
79-119 blue marl
119-139 shell, sand, white & black sand, black sand below.
139-154 sand, white
154-535 rock, limestone, ~~fine~~ flow, increase of
flow with depth

this limestone varies in depth, at some
places it is shallower than others, varies
from 130 to 260 feet. ~~this is probably~~

Prof. R. B. Leach, County Surveyor,
St. Myers, Fla.

N. M. Hendry, Clerk Circuit Court
St. Myers, Fla.

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Bocagrande well, small flow at
330 ft, fresh water. This cased off
and drilled to depth 1050 ft. Below
330 ft, several strata of flowing
water but all salt. 10 inch well
and cased all the way. It was
reduced to 6 inches. Finished Mar.
1910. Well not used, strong salt.
Will simply flow above surface.

From Ft. Myers to Ft Thompson²³
up the Caloosahatchee River, a
distance of about 45 miles is seen
some very interesting country. The
river for a distance of possibly 12 miles
from Ft Myers is very wide and not
much of the vegetation can be seen
from a boat, however, it seems to be
principally a growth of pine and
scrub palmetto. Rock lies at a few
feet below the surface. The soil all
along varies in richness from the poorer
type of sandy land to rich muck lands.
Hummocks frequently along the river.
Hard siliceous basining rock outcrops
along the bank but the principal rock
or formation is the marl. This extends
all along the River from Ft Thompson
to a distance of about 25 or 30 miles
down the river. It is overlain by a
muck and sand soil, from 1 to 2 or more
feet thick. 5/17/10

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Mr. E. H. McAdow,
Punta Gorda, write for copy
of analysis of De Sota Mfg Co. well.

Mc Cormick & Co.
Alva or Labelle, write in regard
to flowing well, 6 or 7 miles north of Ft.
Thompson, 2 mi. north of Lake Hart. Use turpentine
oil.

Flowing well at Nauchula
1 mile south. Owned by Nauchula
Mfg Co. and used for mfg of
ice. Near flow. 4 inch.
Two wells, one small. When big ice
well is in use small well
closes to flow.

First flow in and around Punta Gorda²⁵
about 180 feet. In a porous rock after
drilling through a greater or less thickness
of blue clay. Water is not as hard as this
depth as deeper supplies, some sulphur,
here about 4 or 5 feet above surface.

Sand. J. F. Corbett,
Punta Gorda, #3, 5.

J. W. Sykes,
Punta Gorda, #10, 5.

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Log of well of Vocatee Fruit Co.,
2 mi. E. Vocatee, given by Mr.
Pearce, 5/18/10.

0-40 surface soil & sand.

40-70 Blue clay.

70-73 Hard rock.

73-93 soft marl.

93-97 Hard rock
same hard & softer layers.

1st flow 255 ft. increase at 290,

Fresh flowing wells at Platt.

Flowing wells at Boca Grande,
McCall but water sour. Flowing
wells between Grove City & C. H. & N. RR.
but water is brackish.

See D. W. Brown.

Arcadia, well driller

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See Mr. Johnson, ^{manatee} sawing co., ^{manatee}.

See Capt. Davis: ^{manatee}, near of

R.R. on upper land side.

Mr. Harry Nathan ^{ass} Supt. Ellenton
Atlantic Refining Co.

W. V. Reddick, ^{manatee}, well driller

W. D. Halcomb, ^{manatee}, & co. 3'
well driller

also hammer at

28

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General conditions in and
around ^{manatee} 1st flow
around 200 feet where elevation
is not more than about 20 feet.
Just small ^{flow} 5 to 20 ft. m.
Notes were from 295 to 335 ft. Principal
supply. Average depth & ^{flow} were
25 ft.

Figures showing volume of flow ²⁹ of
the two 6 inch artesian wells at
Bradentown Water Works. Figures given
and made by Mr. L. D. Hawley, Super.
of Water Works. 5/20/10.

Apr. 30 - '08	flowed in Reservoir,	3 ft 7 in,	in 20 min
July 6 - '08	" " "	2 ft 7 1/2 in,	20 min
" 9 - '08	" " "	2 ft. 9 1/2 in	20 min
" 15 - '08	" " "	2 ft 6 1/2 in,	20 min
Sept. 26 - '08	" " "	2 ft. 4 in,	20 min
1909			
May, 12 - '09	" " "	2 ft. 4 1/4 in,	20 min.

Tank is 18 ft in diameter.

See Mr. Styers, Yellenton.

Send, L. N. Styers,
Yellenton, Fla. # I write Mr. Styers,
and send will
send blank.

Send, J. R. Keller, Super. Atlantic Roofing Co.
Yellenton, Fla
with supply paper.

Log of well of Mr. Jackson, 31
Marquette & Co. Drilled by Mr. W. D. Stokess,
driller, strip 10.

- 0-12 surface soil and sand.
12-36 yellow clay and buff colored fuller earth.
36-39 rock, hard.
39-69 blue clay, very fine & smooth.
69-72 rock.
72-192 white clay + pebble phosphate.
192-300 alternating sandstone + alkali clay.
300-310 green clay.
310-529 Alternating hard & soft strata,
limestone, increase of water with
depth on penetrating hard layers.

Marquette Drug Store.

Mr. Halpole.

Fruitville, 7 mi S/E.
Henry Hawkins, owner
Sims & Helveston, drillers.
660, 4, 130, +10, 1909, sulphur. ^{1st hole} 500

Sarasota.

Sarasota, near.

H. S. Highsmith, owner

Sims & Helveston,

477, 4, 150, +10, 1908, sulphur

H. B. Saxby, near.

S & H.

404, 3, 300, +10 1910, sulphur.

Gerby, near.

S & H.

409, 4, 132, ³16, +18 1907 sulphur.

Sims + Helveston,

three wells, average 150 feet deep,
 six surface wells average 30 feet deep.
 water stands in 150 ft ~~pores~~ as -3 ft.
 not very hard water. Could get flow
 by going deeper but deeper supplies
 hard on boilers.

From Plant City to Bradenton
 the country is very flat and
 principally covered with a growth of
 small long leaf pine and scrub palmetto.
 The latter occur in profusion. The short
 leaf or "slash pine" occur in lower
 lands. The soil is sandy and is
 underlain by hard pan about $1\frac{1}{2}$ or
 2 feet below the surface. Near Bradenton
 the ditch or canal used for drainage
 cuts through a deposit of shell. The
 shell seems to underlie the Bradenton
 and Manatee section. Mound occurs
 quite extensively in the hammocks
 and is used for surfacing roads.
 From Bradenton to Sarasota the
 type of country is much the same
 as above, only probably more sand
 and poorer soil. In the lowlands
 or hammocks around Bradenton the
 soil is very good and is used
 for farming. It is a black or dark soil.

Memphis County as a whole is reported as very flat, except a greater portion of the county. Towards the eastern border it rises and was said to be gently undulating. In the flat woods are also are usually called saw grass ponds. These ponds are drained and then used for timbering purposes. The soil appears to be a very rich ~~black~~ muck soil. Flowing wells can be had in all the low lying lands.

From Jersey Creek to Tampa the topography is very varied. For the greater portion it is very sandy and appears much like the those regions. At Valrico and for a distance of a few miles on either side red and yellowish sandy chaff hills are seen. This might be the southern extension of the clay hills also named Knoxville.

5/20/10.

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Mills or Parish.

Owner John Parrish,
 driller E. Merritt,
 552, 8, 100, $\frac{2}{32}$, $-2\frac{1}{2}$, alt 1906, irrigation
 555, 3, 300, $\frac{2}{32}$, $-2\frac{1}{2}$, alt 1902, irrigation, Ed. Hill, driller.
 522, 6, 300, $\frac{2}{16}$, $+13.8$, alt 1906, " Consume $\frac{5}{22}$ 10 6 lbs.

Owner, G. V. Parrish,
 driller Elma Merritt,
 977, $5\frac{1}{2}$, $\frac{2}{34}$, -4 , 1905,

Owner, H. P. Frier, $1\frac{1}{4}$ mi E.
 driller Elma Merritt.
 alt. 560 + 1908.

N. N. Jacobs. St. Petersburg.

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drilling,
on 2nd Ave + Sixth street south.

J. C. Donaldson, driller, St. Petersburg.

drilling on Burroughs plan,

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Brumf well in St. Petersburg
drilled to a depth of 45 1/2 feet. At
this depth an increase of flow was had but
water was very salt. First flow had
at 137 ft. Good water. The water
was continued to a depth of 170 ft.
Fine flow at 170 ft. 18 inches above pipe.
Well now filled up to 170 ft, water
used for irrigation. Brown + Matthews
drillers, 1908. Hard sulphur water. Well
cased 370 ft. 8 inch and 350 ft of 6 inch.
Six inch casing pulled out, and well filled
to 170 ft, and contains only 90 ft of 8
inch casing. Head of well + 9 ft.

The general run of wells in and
around St. Petersburg are from 150 to 200
ft in depth and average 6 inches in diameter.
Used principally for irrigation. 1st flow in
St. Petersburg over 110 ft. Further south runs
deeper. At Pass a Grille 1st flow 230 ft.
Total depth of well 256 ft. Public supply,
driller J. C. Danielson, + 14,

Nells City Water Works, near 39

St. Petersburg.

drilled by J. C. Danielson, 1908

170,	7,	104,	$\frac{2}{47}$	-37.6	1908
168,	10,	104,	$\frac{2}{47}$	-37.6	1908
138,	10,	104,	$\frac{2}{47}$	-37.6	1908

0-3, mud. Log. of Bamard well, 1 3/4 mi N. St. P.

3-50 white sand, very white.

50-55 dark brown sand.

55-100 sandy clay, black, wood fibre.

100-112 soft hard porous rock

112-116 dark brown limestone

116-153 soft limestone full of shell.

1st flow 106 ft. of the rock was hard

in itself but was very drilling on account

of being so porous.

drilled by J. C. Danielson,

153 ft deep, 4, 106, $\frac{2}{6}$, 9, +3, 1910

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Strum, owner, 1 mi 1 1/2.

J. C. Danielson, driller.

138, 6, 84, $\frac{2}{2}$, +6.93, 1910, 4 hrs 5 min S.

pressure 5/4/10, 3 lbs. This well is located

near high tide mark along the beach at

St. Petersburg. about 2 ft. above mean low tide

1st flow at 90 ft and increase to

bottom of well. 1st rock at 84 ft.

not very hard. Use irrigation.

Blanton, owner, 1 mi 7/2.

J. C. Danielson, driller.

135, 6, 78, $\frac{3}{5}$, +4, 1910

1st flow at 80 ft, good flow at 90 ft.

increase to bottom.

Polar Ice & Power Co.

Well had a head of ≈ 15.8 ft
in May 15, 1910, size 10 inch (?) depth
not known.

2nd well
Estimated 12 ft. more sea.
a c. l. depth. 14 ft.
J. J. Zimmerman
Owner, &c. driller.

St. Petersburg to Jarpon Springs.

5/25/10

From St. Petersburg to Largo country
is flat to undulating covered
with a growth of pine and scrub
palmetto. At Cross Bayou is a
turpentine still and timber here
is fair. At Largo country is
rolling and sandy and has a
good growth of pine timber. No
scrub palmetto. From Largo north
to approaching Jarpon Springs the
topography is rolling to hilly
and the general appearance of
soil looks good, judging from
growth. A good many oaks are
seen from Sutherland m. Jarpon
Springs is itself undulating to rolling.

July to Sanford, 7/16/10 43

Sandy and rolling topography, big
bay pine and oak trees, no palmettos
too high and dry. Crossing of river
somewhat scrubby, palmettos here
pine again, some cypress, flat across
oak palmettos. Road exposed
in bay head, hammock, rock near
mill site. All flat and covered with
palmettos and pine trees interspersed with low
cypress ponds and hammocks to Riverland
Road seen exposed in these hammocks. Then
Riverland it continues flat and somewhat
swampy (with cypress) for about 4 miles. Pine
flat but no oaks or oaks. Some
farmer. Core looks good. Sandy
soil, pine trees, not many palmettos, cypress.
Sandy rolling sandy pine and
oak trees, no palmettos to Linden. Then

Linden with more ponds, clay soil 44
palmettos and pine, sandy flat,
cypress ponds etc to turpentine place
a little south of Mascotte. At Mascotte
change in topography, rolling sandy
country with oak trees, pine and
few palmettos. Clay in R.R. cut (5 1/2 m.p.)
Lakes, not many palmettos, very pretty
rolling country, good pine, with oak
trees at Mascotte, lakes close by. Clay.
It is very rolling topography, continues
for about 2 miles. There more pine
with some palmettos & pine, & ponds.
At Tallyville, sandy, many oaks
some pine, lakes, saw mill.
Typical lake region, rolling sand hills
with oak principally and pine. Common
pathy location on Lake Minnetonka

Apalachicola

9/16/10

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Apalachee, See Co. (2)

Hatchaway Mills

(1) 450, 3/110, $\frac{2}{4}$, +6, 1898 not used
(2) 337036, 6, 98, " -5, 1906. order 3
offer

Bay City Packing Co. Joe Meseno

owner, 113, 2, 113, $\frac{2}{5}$, -2, 1904

City Water Works

own. 363, 6, 280, $\frac{2}{8}$, -6, 1906

City

(H. P. Doucet) drinking, 620, 8, $\frac{2}{10}$, +6, 1904
8 gls. minute.
9/16/10.

Ed Smith

Old Timbale Mills flowing well.

Mr. Doucet, City, 325, 3?, $\frac{2}{3}$, +5

Mr. Treddy, Engineer, H. H.

L. J. Henderson, set. Band of Trade.
inf. Zingarella Bros.

-9

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C. R. Harris, Supt. H. H.
Apalachicola, Fla

St. Vincent Island

Dr. R. V. Pierce

2 flowing wells put in by
Bixie Well Works, Bainbridge.

Mr. G. H. Whitfield

Apalachee, Fla.

information for wells.

Chipley 9/21/10

47

Yarnadou, beetle & Stump, own the "oil"
well at Chipley,

1454, 8-4, 1454B1 - - ,

at the depth of 1250 ft flowing water was
had, this came off and well does not
now flow.

St. T. Sharpless, mayor, ~~Chipley~~
Graceville, Fla.

note for estimate of flow of new ^{city} well
287, 8, + 2, 1910, Hard nos. 20 gals.

Folsom of mariana own 2nd well in Graceville

✓ 242, 8, + few, 1905, slight S. mud
for drinking

S. a. alford,

Chipley, Fla.

send #5.

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DeJuniar Spgs. to Trumps 9/22/10.

E. R. Flint. ✓

Nimrod McGuire
Freeport, Fla.
send #6 ✓

Chipley 9/21/10

47

Yarnadon, beetle, & Stump, over the "oil"
well at Chipley,

145-4, 8-4, 145-4(1) - - -

at the depth of 1250 ft flowing water was
seen this cured well

48

Gilberts water mill
see Love & Hermin 2 miles well

50

51
Log of well at Wymulund well, Holmes Co.
by F. J. White, 1/12/11

0-35 - mottled clay,
35-73 - red sand
73-100 - yellow clay, very stiff.
100-150 - pinkish sand, some water.
150-170 blue marl
170-172 yellow sand
172-174 limestone
174-205 shell, porous, water strata.

Water strata from 170 ft. to the bottom
Will pump from 100 to 200 ft. min.
Water -15 ft. from surface.

25

52
Log of well at Wausau, Washington Co.
by F. J. White 1/12/11 owner
Wausau Lbr. Co.

Clay - 0-95 mottled.
Coarse sand 95-105
Limestone 105-115
Yellow sand (coarse some water) 115-130
Gravel, plenty water, 130-150
Limestone 150-162 1/2 (with layers of flint)
Fine sand 162 1/2 - 168
Sand with 168-172
White sand 172-190
Sand with 190-198
Fine sand 198-220
Rock 220-233

This well finished up 233 ft
deep in hard rock. Most water
coming from depth of about 150
to 190 feet. Casing perforated in
order to let water in at this depth.
Head -18 ft. Rise from 220 to

233

✓

Sexton Hill ~~well~~, Orange Hill 4 mi ⁵³

1/12/11

John Bruce owns the property on which the "oil well" in Washington Co. was drilled. Mr. Bruce only leased the land and in case oil was struck he was to have $\frac{1}{10}$ of the profits. Well drilled to a depth of about 1700 feet, 10 in, 8 in, 6 in. casing used. Flowed at the depth of about 1250 feet, this came off. Water fresh and said not smell sulphur. Pipes looking like iron said to have been gotten out of it. The reason for thinking oil was on this place was that a Mr. Bill Henderson a man from Georgia visited Mr. Bruce at one time and he was talking about different materials coming out of the earth. Mr. Bruce told him of a material that he had taken from his surface well and Mr. Henderson's curiosity was excited immediately. They proceeded to get some more (fresh) out of the well and Henderson went away with a sample and

returned some months later saying that the material was a shale and that was a sign of oil. Preparations were made for drilling with results as now seen today. Drilling continued for about 8 months, commenced in summer of 1908, and stopped after Xmas of same year. ⁵⁴

Mc David well

55

S. 40 T 4, R. 31 W

0-40 - soil + clays.

40-70 - Blue clay

70-74 - sand.

Mr. N. A. Finley, Gen. Mgr. Pine Bluff.

Flowing well at molino, See Mr. A. Jacob.

Mac Millan Brick Co. Molino, Fla.

Mr. P. Brownson, Pres. + Mgr.

W. F. Hill, Deputy Supervisor, J. A. J. Service
Eldridge, J. A. J. Service,
Eckhart, " "

29

56

2 wells driven by J. White
one 360 + one over 500-600,
but not flow, water salt or
briny. Water supply for mill
now obtained from pond
and from shallow open
dug well. Drinking supply
for mill hands obtained
from shallow driven wells
20 to 80 feet deep.

Mrs. Sim Olin, Mulat.

Mr. Gonzalez, Bohemia. Woods.

Mulat

58

One flowing well at Mulat 181
ft deep. This is used for drinking
purposes. Supply for mill and other
domestic purposes from shallow driven
wells 40 to 43 feet in depth. Have
a total of 23 such wells, 1 1/4 inch wells.

Goulding.

59

Principal water supply bored
wells with screens thereat. Wells
range from about 50. to 60 feet.
Soft water, in sand.

Bohemia,

Flowing wells 56 ft.

Other shallow wells, driven, 26 ft.
18 to 26 avg. One well bored 52 ft.
and one open dug well 40 + ft.
both of these on slope up the bluff

8/27/11

60

Muscogee

60

Southern ^{drilled} ~~stubs~~ ^{Owner} ~~Stamba Co.~~
160, 2 1/2, 160, + 40, 190 2 or 3
see analysis, ^{sulphur} ~~will supply~~ + fire protection

I had another flowing well but
discontinued use of it on account
of injurious effect on boilers.
The water from this not so bad.

Drinking supply for miles
brought from driven wells
from 16 to 26 ft. This is
a sulphur water.

22

Cantonment

Wells range about 40 to 60
 feet. Water soft and in clay
 principally. Old time windless
 use and also pitcher pumps
 2/24

Sicut. Mexicoll, rmy yard
 Mr. Corona, Eng. Office
 as in yard to keep well

Get log of well at molino owned
by H. E. Jacobi.
Get log of well at Pace, near Milton

Quincy

Mr. P. H. Mitchell, Supt. J. L. Smith
Mr. Cullum, Supt. J. L. Smith
Mr. J. S. Stewart, Supt. J. L. Smith

Been over in new pit since October.
In this pit have only about two feet
of overburden.

Mr. Milton Rigell, Corbett, (send up to)
Alvin Pittman, at Stuckade.
Mr. J. P. C. Newton, Chapin House.

Robinson Pt. Mill Co.

(Burger)

alt 100, 2, + few. - not in use
but now used in alt 45 ft. + does not flow. 1 1/2 inches

Stems - Culm th. C. Bagged.

Many, range from 35 to 100 ft. average
about 75 ft. - 1 1/4 inches + 2 inches

off water, comes to within a few inches of surface

Robinson Pond

Several / suffering from drain pumps
15 to 25 ft. deep.

Pictures on roll 1

- #1, View looking up stream Coldwater Cr. at Fleming bridge.
- #2, looking down stream.
- 3, near Fleming bridge.
- 4, near Kelly's still
- 5, Crossing of Clear Cr. 6 mi N. Milton.
- 6, Road leading down to Clear Cr. " " "

6/24/11

#2.

- 1, View of Cobb. 6/23/11
- 2, View 4 mi. N. of Cobb. 6/23/11
- 3, " " " " "
- 4, near Seavarian, more oaks + sand, (Cheside)
- 5, Yellow Pine (up stream) at Oak Grove bridge.

Cobb 6/23/11

- Wells from 70 to 100 ft.
- no artesian water
- 0-4 soil
- 4-30 rd. yellow clay
- 30- coarse white sand.

4 mi. north of Cobb a well was being put down which showed a series of clays. Red at top then whitish, and a depth of 107 feet a 15-foot stratum of blue clay was found. Well not finished at 107 ft.

Milligan

Use pumps, driven wells 18 to 25 ft. Water soft + plentiful. Mill here uses water piped from a small creek near by

Blackman,

67

Country rolling with clay sub soil
sand covered 1 to 2 feet. Soil good
and farms look fine. Clay exposed
at surface in some places. Surface
wells open, range from 12 to 30 ft.

Tales Naval Stores Co. 2 mi. N. Blackman,
bore deep well between 3 & 4 hundred feet,
water comes to within 80 or 90 feet of
surface. Water slight hard, mineral traces.
no definite information. Not known
who drilled was. 6/23/11

Laurel Hill, D.T. Fairbairn, mayor.

Wells from 40 to 65 feet deep through
sandy clay, ^{terminating} in white sand. no
deep wells or no city wells. A thin
stratum of calc (limestone) exposed immediately
above the water bearing sands. Water soft
and comes to within about 45 ft. of surface.

Blackman.

68

Mr. Reed.

Orange Hill is said to be ⁶⁹
about $\frac{1}{2}$ mile wide and 3 miles
long, runs in a north & south
and east and west direction in a
crescent or horse shoe shape. Long
leaf pine is seen intermingled
with hard woods, on top of hill
short leaf pine is seen. Oak
hill is about 2 miles east
of Orange Hill and is also a
hard wood hill. Sexton Hill
is long leaf pine and no hard
wood hamocse. Moss Hill is
east and south of Vernon.

Sexton Hill begins about 3 mi.
S. of Orange Hill. This is more
sandy and is covered with pine
7/19/11 On south from Sexton Hill
country is more sandy and

south is principally Long leaf pine ⁷⁰
and a great deal of forked leaf
black jack oak is for a distance
of a few miles. Blue pond about
4 miles from mill on Hard Lick Creek
shows evidence of limestone. The
section is dotted with depressions
showing limestone influence on surface ^{partly}
After crossing Econfina River, the
country bears a strong resemblance
to northern Liberty County. The
characteristic "steep heads" are seen
here very often. Pictures 6 + 1 are
taken in this type. Soil very sandy.
Boring shows sand for 5 ft, coarse
and yellowish.

We crossed the Econfina River
again at Bridge and came
across to Porters Pond. This is a
large pond about 3 miles long. Hills

71
land on all sides, very high, supporting
a good growth of long leaf pine.
this is open rolling pine lands.
From this pond to "Seadering" still
is this type of sandy rolling pine
lands. Just after leaving the above
still we crossed a small stream
about $1\frac{1}{2}$ ft deep. This is very
rolling or hilly and soon we
get up again on Sixton Ridge
which is the division of the
red hill lands and sandy lands.

Holmes Valley, a strip of territory varying
from 1 to 3 miles in width and about 15 miles
long running from near Miller's Ferry to
near Wausau and paralleling Holmes River,
is a red clayey soil supporting a dense
growth of hard woods, a very heavy ^{hammock}.
The valley is not in the true sense of the
word a valley other than that it lies
about 100 ft below the country on the
south. Out of the valley to Vernon 5

72
two pictures 7/20/11, alt 4 mi. E. Bonifay
of open pine woods, no palmetto, clay about 1 ft.

Picture of Ponce de Leon Springs, 7/20/11
(Brown)

Morrison Spring about 5 miles S. of Ponce de Leon (Picture)
7/20/11

no decided break or elevation as
it is on the south.

From Vernon to Chipley is a more or
less level to rolling pine land, the clay
lying near the surface. Pine is most
abundant tree, some oak and some
cypress in ponds or valley flats. Palmetto
was seen but is very scarce and hardly
worthy of mention. Approaching Chipley the
typical red land begins, about 3 miles S.

Pictone 1.2. Natural Bridge 7/22/11

74

Natural Bridge is on Natural Bridge Creek and this creek flows into 8 mile creek about 4 miles from Natural Bridge P.O., then these empty into Chetawhatchee River. The stream has numerous oases and rises and the limestone is very fine grained and soft when wet, makes good slurrings. The growth along the stream is mostly water oak, hickory, dog wood and some cedar, few cypresses. The country from Florida to Natural Bridge is high and rolling yellowish to redish sandy clay pine lands open, no underbrush, ~~poor~~ grass. This type continues to the Natural Bridge stream and only along the stream proper is hard wood seen. The country from Natural Bridge to Limestone is said to be high rolling sandy clay pine lands much the same as between Florida and N.B. No sinks are reported around Limestone as on Natural Bridge. Mr. M.C. Campbell owns property here. He has a well 52 ft deep which terminates in a cavity at this depth. Sink and cavity along stream for about 3/4 mile then it has surface channel to its source.

Port St. Joe.

75

Owners, Apalachian Northern Railroad,
Drillers " " "

Depth 115, 4, 115, ^{alt.} 13 ft. down. - 4, 1911.

approximate log. surface water

0-40 grayish sand, & several layers of shells.

40-55 Blue clay, stiff, no water, shell between
sand above and clay below.

55-65 sand & indurated sandstones.

65-75 clay, at depth of about 60 ft.
cypress log encountered. This clay
bluish in color, stiff, contains mica.

75-115 sand, white at top & very fine,
first traces of water between 95
& 100 ft. Sand coarser toward
bottom of well.

Analysis of water enclosed.

Another well owned by same
Company 3 mi. N. Apalachian
112 ft. deep, 4, 112, ^{alt.} - 5 or 6. 1911. Soft water
About same as above. Log encountered also

One well at N. Lee, 3 mi. ^{5/7} N.
Port St. Joe, one well alt. 190, another
alt. 220, ~~but no water~~, this well
was a success for drillers had
to light a rig and could not
drill satisfactorily. 8/3/11

Hosford, see W. F. Graves, well.
Graves Lumber Co. 495-2- ^{artesian} + 0-1910.
used for drinking not boiler purposes. ^{hard} water
slight sulphur.

Baker - Wakefield Lumber Co.

Port 11 Geo to Apoluk, is a fan 77
palmetto woods, pine considerable but
more stunted, some areas have been
burned.

Marianne ten per Russ.

South Port, drilled by Jaxon + Knapp ⁷⁸

Owner, South Port Lumber Co.

435, 6, alt 300, + ^{few} per, 1911

0-20 Sand

20-45 Blue mud

80-125 soft sand stone

125-130 very hard sandstone

130-133 blue clay

133-250 soft green sandstone

250-265 very hard sandstone

265-275 (Kaolin)

275-435 fine grained limestone.

Pawanna City.

Owner, Gay.

325, 6, + ^{alt} 3, 1911

Lynn Haven, (same as Gay)

Land co. (W. H. Lynn, mgr).

alt
300, 6, + -3, 1911.

257 1/2
25
182 1/2

Cromanton,

79

Owner, Mosier, 240, 6, 165,

0-165, all sand to this depth,

well not completed, at depth of 240
soft formation and drill stuck at
this depth. Drill now out and will
continue till a flow is obtained.

Jackson Co.

Greenwood.

H. B. Knapp, owner, 160, 6, 80, - 40, 1910.
Hard water.

H. J. Sorey, ~~J. B. Knapp~~.

150, 4, 122, - 50, 1910.

0-40 clay.

40-120 sand + clay streaks, later in sand.

120-150, Limestone. Top of limestone is very
hard, flinty and thin, passing from 10 to 80
then becomes soft + cavernous, cavities
containing water.

Campbellton.

N. Belcher, Chipmunk,

250, 6,

1910

Rock about 225, above sand, and
clay for about 0-40 ft. This sand
from 40 ft. to the top of 225 ft
contained water.

Blountstown.

Jaxon + Knapp.
drillers.

owner, John

~~180~~, 225 ft. Gasline + Mr. Harvill,

Stormstown

Grant Knapp.

81

Pennington - Evans Mill Co.

265, 4, 225,

-6, 1910, Hnd S.

Note Mr. J. Jaxon, Panama City
about samples from Lynn Haven well.
8/15/11

Hosford, Jan. 14-15, 1914.

82

Jan. 15 - morning.

drove from Hosford to Coes Mill which is about $1\frac{1}{2}$ mi. north from the present location of Hosford. This locality is near Judge Hosford's old house, or about $\frac{1}{4}$ mi. little north of west of new house where he now lives. Exposure on south side of Big Creek at the site of an abandoned grist ~~with~~ mill. Mud is exposed in bed of the creek and at one place when I dug it out it came above the water level about 8 inches. Mud is of a yellowish color and contains many shells but poorly preserved. The mud is overlain by about 15 feet of yellowish mottled clay and about 2 feet of soil.

Sent one box of this mud by freight @ \$1.00 to Prof. E. C. Case, Ann Arbor, Mich., and 2 sacks, 20 lbs each, by parcels post to Prof. Cushman, Boston, Mass. at request of Dr. Vaughan. One box, about 40 lbs was sent to Tallahassee for the State Survey.

Plant City.

2/9/14

83

Coronet ^{Phosphate Co.} mgr. Luskland.
Mr. C. F. Hemminger;
Mr. H. F. Green, Jr. Asst. Mgr. ^{Coronet}
G. M. Whitstone Asst. Supt. ^{and rept.}

Murkberg, 2/13/14. Between Murkberg
and Nichols. Pit of
Phosphate Co.

Light to dark colored surface sands 0-3
Reddish to drab mottled sandy clay. 3-18

J. H. Myers 2/16/14

Saw Mr. H. P. Peppard of the Ohio
Well Drilling Co. Have the well rigging
all up but have not commenced
drilling. Held up on account of
casing not having arrived. Mr. Peppard
promised to save a good set of samples
and also to make a log of the
well accompanied with his own
notes. Did not see Mr. Peterson.

84

Punta Gorda, 2/17/14.

Drove from Punta Gorda to
beyond Cleveland. Visited several
points along shell creek but could
locate no satisfactory deposits of
Pliocene marl. On the place of
Mr. Rich a sample was taken after
digging down about 3 feet. This was
later discarded when samples were taken
from a pit which had been opened
for road material. This pit is about
3 miles east of Punta Gorda in plain
woods. One box of material from this
locality was sent to E. C. Case
Ann Arbor, Mich. One box to the
Survey, and two boxes to Prof.
Cushman.

O.C. Morrill,

Phos. Min. Co.

Nichols, & Co

send report on Hard rock Phos.

Jane Jay 2/18/14

International Phos. Co. Shut down
14th April 1913. T. C. Perry, Mgr.
Hatem, former manager.

Filghman Phos. Co. shut down for
about 6 or 8 months. Hanahan,
mgr. Crawford, asst. mgr.

Hernando, 2/19/14

Dunnellon #11, Mr. King
Supt. The plant opened on Feb 4, 1914
after having been closed down for 9 months.
No fossils collected. Mr. King promised
to save all that comes up.

29

Dunnellon #12, Boswell, Supt. 86
Plant closed for 9 months but preparing
to start again. Expect to start running
about Feb 23, 1914. Will save
all fossils that come up. The
Dunnellon people are making
preparations to operate their plants
by electricity.

Dunnellon 2/20/14.

Buttgenbach's "Shore Tower" J. H. Perry, Supt.
man on belt promising to save fossils.

Schilman & Rene "Cullen's River mine",
J. L. Cornell, Gen. Supt. lives at Immersa.
R. L. Hayes, Resident Supt.

This mine closed in November and will
probably be closed for the entire year.

Mr. Hayes donated an elephant's tooth. Has dug
up out of the bed of phosphatic sometimes about the
middle of 1913.

22

87
Dumellon Plant #1, 1 1/2 mi. S 1/2 Dumellon.

H. T. Godwin Supt. send report
on origin of phosphates, to Dumellon.

Return to H. R. Keister, Russell
a pair of samples (1339) phosphatic
Vicksburg limestone.

80

90

J. H. McRae,

260, 4

Wells.

+

115

Udridge } US Forestry Bureau
Cubert }

Lester Rogers, Dir.,

116

Mr. Brown.
Gen. Natl. Hist. Mus.

J.H. McRae
260, 4
Keller.

+

115

Kellogg } US Forestry Bureau
Cahoon }

Letter Rogers, Sirs,

Report Fuel & Ice a
og Semmes, May

117

(Seller) =

Information on its water supply of Pensacola
Swaney, manager at its works.
given by
Stratton. See Notes, Keller. Investigation & close to

Mr. McRae
Cm. Nat. Nat. Nat.

