

FIELD BOOK
364 M

KEUFF

DR

SURV

H. W. STRALEY, III

No

1523

ER CO.

LS

ENTS.

NEW YORK.

CHICAGO. ST. LOUIS. SAN FRANCISCO. MONTREAL.

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 12 FEET WIDE. SIDE SLOPES 1 TO 1.

FOR SINGLE TRACK EXCAVATION.

"Copyright, 1895, by Keuffel & Esser Co."

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julian A. Hall, M. Am. Soc. C. E.

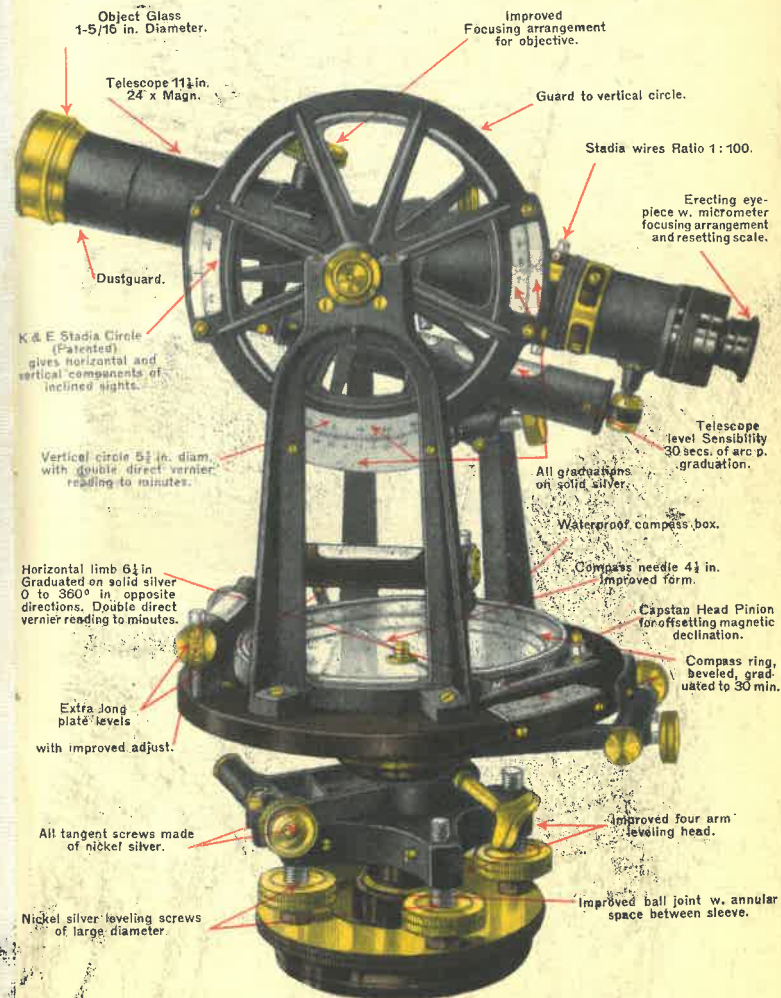
For Keith's Railroad Curve Tables see end of book.

H. W. STRALEY, III

19192

1938

EXTRA FINE ENGINEERS' TRANSIT
No. 5060 S
KEUFFEL & ESSER CO., N.Y.



ALSO MADE WITH

INTERNAL FOCUSING TELESCOPE
PRACTICALLY DUST AND MOISTURE PROOF.

J.D. Barefield
30-35 yrs
Mears, Geologist

Florida gravity
Map.

Blanchard's
Brochure on
Florida +
releases
on South Lake
well of Arthur
& Blanchard

Well log of
Tamiami Well
Compiled by Ed Fothergill
from Bunter.

{ Fair, Grft
Hutchinson,
Everglades, Fla.

SUN : Kissimmee
Consolidated Land
and Naval Stores Co
Sun. Ft. Myers
NOW WORKING OUT
OF Ft. Myers

Mr. W. J. Kelly-Jackson
Consolidated
Stores Co.

~~Visit Cuba Map~~

vike is president
Land and Naval

~~Standard~~

Florida

Levy . Fla. Oil
SW SW NE 9-15S-

Nassau St. Mary's
Turpentine Co. 1
Elev. 110ft 65 $\frac{1}{8}$ "

Polk - Edw. A.
1 NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$

Swanace -
Lucy Cotton 1,
Elevation 70ft
rig. td 200ft

J.W. Phillips
NW NW 14-45-

Oil Weekly July 4, 1938

Discovery Co's Scholtz 2,
13e corr deepen 3010ft

River Oil Corps Hilliard
NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ 19-4N-24E
CG 3935ft dr. 4489

Hill's Polk Co. Lbr. Co
32-25S-25E dk.

Wm. G. Blanchard's
SE $\frac{1}{4}$ NE $\frac{1}{4}$ 35-3 $\frac{1}{2}$ N 11E
sd for heavier drilling

Oil Exploration Shiloh,
14E.

Mr T. C. Mitchell
Seminole Co
(August Hecks

Mr. C. B. Chinn
Oil Co. State
Trees and
Florida
Belcher

J. Eugene Brown

Barnett Nat. Bank
to
Her) Hildard.

Speyer Trees Belcher
that ~~Benedum~~ to
taken it was reported
Land & Dev. Co.
over acreage

, Aragon Hotel,

Mr. G. Pan America
15 Offerman well
or 20 miles

Robert Bryce
Mr. Campbell
Mr. W. A. Weller
Mr. W. A. Weller

Mr. Litchfield
Tate, Geo
in the St.

Just N of
Hilliard and
Mrs. Applin

Mr Kenneth Nix

Send Mr.
Comments on
Lake Weller.

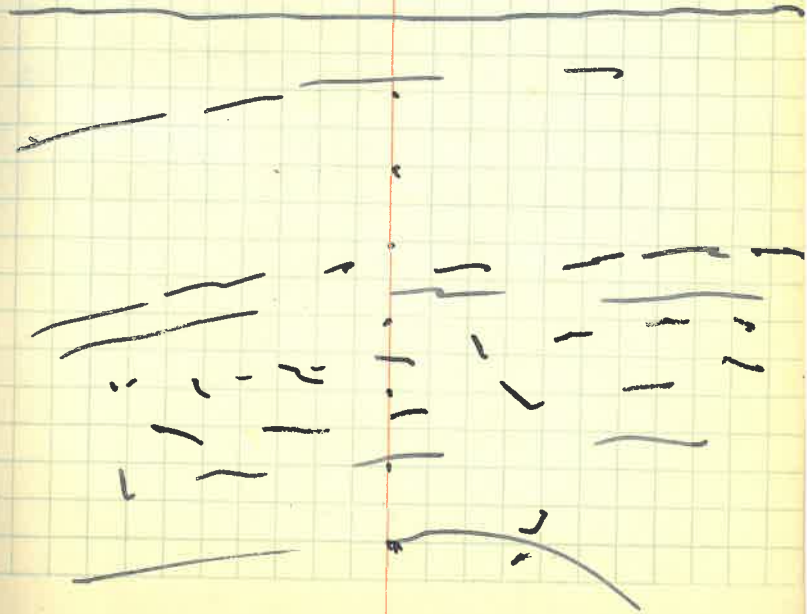
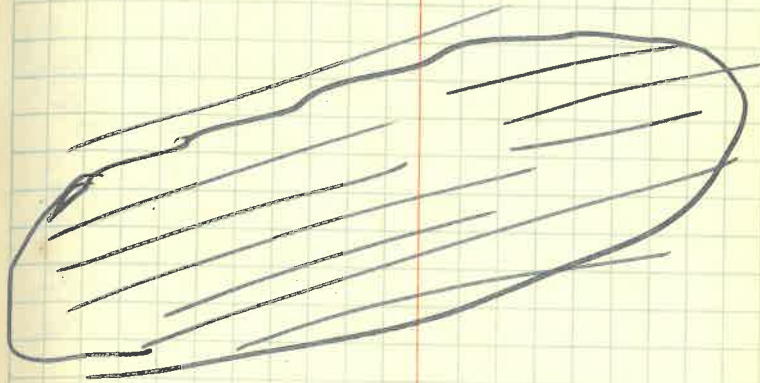
Exploration Co.
Georgia NE Waycross
ended in 4352
4376 T.D.

Has 'log of St. Mary's
eth Nix. assembled block.

Tate Matthe
Georgia. is interested
Mary's River Oil Co.
Hilliard between
St. Mary's River
did pal. (B)

Hotel Blanche Lake City Fla
Gunter Mr. Moody's
granite from South

H. W. STRALEY, III



Mr. G. "son were
part of state
now at Fort Myer
Party of 25 men
for month. They can
Mr. G. did in
large \$ 100,000
in West Florida
NW Tallahassee

Get a
of seismo
and send
The 25 men
150 ft. core holes

solidated Mr. K. F.
Naval
He may be

down in central
were at Missimnee
5". Party Chief John F. Anderson
worked around Missimnee
in 6 weeks ago
at know report and
tract being leased
(See Rinchard's Report)

Duplicate Trace
graph shooting
to Mr. G.
are seismographing.

eachman Pres. Con
Stores and consolidated lands
in Lake Placid.

Mr. Drake Miami
has 4000 ft
long sheave
casing for
new casing

Talked to Mr.
interested in St.
Hilliard
They have at
of 65^{new}/₈" casing
been drilling
frequent shut
lost bailer,
reamer lugs
for past 2½
Mr. Blumfield
has well
first 1500 ft.
between St Marys River

Fla. (Miami well)
65¹¹/₈" ¾" taper, T thread
youngstown seamless
sale at 50% of
freight on board.

Eugene Brown, man
Mary's Oil Co! well
least 4000 ft
g in the hole. Have
off and on through
owns — line broke.
lost bit &
and other accidents
years
Gulf paleontologist
samples for
The well is located
and Hilliard ¼ mile from

main line of the
Mr. Robert B.
Peninsular Oil
603 Wallace
Phone M -

St Mary's
acres under lease
had 100,000
surrendered
past 3 years.
off some
solid blocked
in individuals

Tampa, July 11
Mr. Robert Bruce
Tracy went the St
went William
at 2985 ft
Calcareous up
Campbell. Stated
of plant matter type
column not
ESY looked the
Mr. C. for Sterling looked

Atlantic Coast Line.
Campbell, President
and Refining Co
S. Building Tampa
1174. (Res. under "Root")
H 24-971
Oil Co. have 30,000

At one time they
acres but have
10,000 during
They have sold
of their nearly
acreage to
and Companys (2)
1938.

Campbell. Stated confid-
Peninsular Oil Co. well
entered upper Cretaceous
Mrs. et al did the
on this well. The
that the well was
of sedimentary
peninsular. Dr. Brian
location over and over
over the same and was not

Really warm to

Mr. ^{H.W.} Rose
1316 Barnett
Florida

had negotiated a
over practically all
acres and the Sun
seismograph it
period and at
the Sun will
they wish to
The lease runs
expires then unless
found in paying
acreage under
County SW of La
County NW of Lake Oke
County NW of Lake
(Fort Myers, County
East
West of Tampa;
(Hissimmee region
Lafayette County
(cut by Suwannee River
of Lafayette County
NW of Taylor Coun
Naval Stores have

ward it.

Fri. July 8/1938
Consolidated Naval Stores
Bank Bldg. Jacksonville
stated that Mr. J. Clem Clark
lease with his company
of their land - 1,000,000
Co have agreed to
thoroughly for a 2 year
the end of that time
select the acreage
test with the drill.
for 5 years and
oil or gas are
quantities. The
lease is in Hendry
Re Okeechobee; Okeechobee
chobee. Highlands
Okeechobee; Lee County,
seat); Polk County,
Osceola County,
, east of Polk County);
80 miles West of Jacksonville
) ; Taylor County, west
and Jefferson County
ty. The Consolidated
only a little land

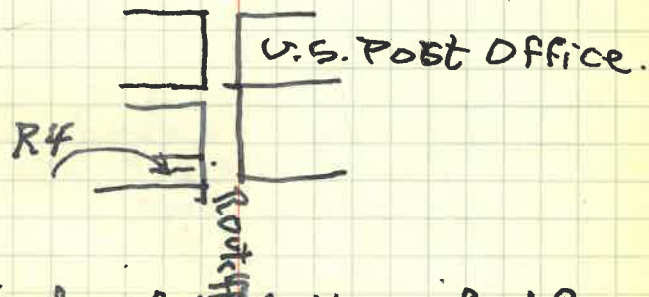
in Jefferson County.
recorded but the
Stores Co. have
the titles are
desirable. The Sun
(I infer that
when the Sun
selections before

R W Keeling,
Box 750 Fort
Arade Room 4

Mr. Keeling
pulled out their
they came in on
the past 2 or 3
withdrawn their
well. "We are havin
in this territory"

The lease is not
consolidated. Naval
assured the Sun that
in order and when
can get this information
this will be done
make their drilling
drilling). Lts
Sunday 10⁵⁸

Party Chief, Sun oil Co.
Myers, Florida. Travers
Route 41 ~~Sears Roebucks~~



stated that the Gulf
Seismograph party as
May 25, 1938. During
days the Gulf has
gravimeter party as
g trouble getting results

Mr. Keelixa
afternoon when
downtown office
reflections with
continuous spr
come from 200

Occasional

← 3000 to 3500
from stat sho
They are shootin
shot holes
They are greatly
in the velocity
zone. In one
only sand and
the next shot
away will hit
at 10 ft and in
could make
moving 15 feet
clay were
sand and clay
at only 3000 ft
the hard lime
of several
second. There

Sun July 10
talked further in the
I met him in the
They are getting
a thousand foot over
ead. These reflections
to 2500 feet deep
reflections from
feet carry through
+ hole to shot hole.
3 1/2 lbs charge in
350 to 55 ft deep.
troubled by variation
of the weathered
shot hole 55 ft deep
clay will be encountered
hole only 400 feet
compact limestone
Some cases they
KO progress. By
away only sand and
encountered. This
has a low velocity
per sec. whereas
senses have a velocity
thousand feet per

The records of
Hendry counties)
records from
are registered
only of an eleven
do not go through
and generally
on more than
The reflection
was a failure,
records and out
of two ~~go~~ only.

had from 1000 -
never too shallow
refraction records
were good.

St Cloud road
Holopu ~~refracted~~

refracting surface
(This is the old
RED) at Holopu

Mr Keeling
with the Gulf
that about half
the other half
Gulf puked out
too expensive

over Fort Myers (Lee and
occasionally give
around 6000 ft which
on the last five traces
trace record. They
on all the traces
are not recognizable
one more record.
Shooting around Kissimmee
I was shown these
side of one ~~set~~ record
good reflections were
1200 ft which is
to be useful. The
shot along Kissimmee
There is a good
ce at about 6000 ft
granite-schist basement
in vicinity.

has exchanged information
Mr Fair stated to him
their work was refract
reflection. The
the party as it was
for the information

RED'S obtained.

COMMENTS

339 340

Asphalt & Grades
LPE
120

Mr. Robert Bro
PENINSULAR Oil
604 S Buick

Dec. 11 1938
HAYT Signed
in NE. Monroe Co.

NE Corner
Monroe County
54 + 55 S
50000
90000
S.

DDD

Tampa Fla. Mon. July 11 1938
ce Campbell President
and Refining Company
ing Tampa

will begin drilling
contract for a well
unit.

Oct 21

Mr. John H
c/o Mrs. N E.

2363 Hershel

or Hotel Anden

MARTIN
WELLER

St JACKSONVILLE, Fla

JACKSON Sax.

x. La Yeguera lies in the sedimentary basin picture. Parcelling based upon a tie line through its high. Dickerson thinks the projection is on a very weak S.E. to San Antonio E side of La Yeguera is accepted by Dickerson after revision.

x. San Antonio of a high in its north (Caracas Petroleum Co) is retained. The NW a surface defined by a tie line from San Vicens subject to revision is completed.

• San Antonio 2 Gov. Reserves is a good acreage. Should be considered.

x. San Vicente 1 tie line work from San Antonio (1?). Acreage and its

• El Alacran nose

• Santa Rita de Su as it is in a high center lies between

Monday Feb 20, 39

in the deepest part of according to S.O. T.E. of this concession is N-S seismograph high projection of the Victoria northern portion. (Dickerson of the Victoria high base). Since a tie line is to be run from La Yeguera this parcelling subject the tie line is run (May 19, 1939) has a portion bordering Ipire 4 concession. Hence this 1/4 is rejected based upon syncline. This area will tie line from La Yeguera to. [x. Parcelling accepted after tie line work

is approved: S.E. 1/4 of a crease and its purchase (June 6, 1939) Gov. Res. W. S.A. 2 is good is approved subject to La Hacienda and from The SW 1/4 is a good purchase should be considered. is worth saving.

ata parcelling is approved area whose probable E side of Santa Rita de

suata and w side
vacuum lot and
A gravity T.B. High
The government reserv
are good accea
Should be consider

• La Ollas parcelling

• San Vicente
(July 10 1939)

~~El Macho Union~~

La Hacienda

Photo / 2 river

1) Geophysical rep
2) Lists data

3) Boqueron

4) San Antonio

of San Antonio 2 in
Government Reserve
lies in the SE corner
es and ~~sub~~ broules
and their purchase
ed. (June 26, 1939)

is approved. (July 7 1939)

parcelling is approved.

~~istred. (June 25 1939)~~

un finished. (July 9, 1939)

Mr Knebel
Mr Hall

Feb 21, 1939

S.D.V.

Shel

Cotono

Brady

Mr. Korb:
Field further

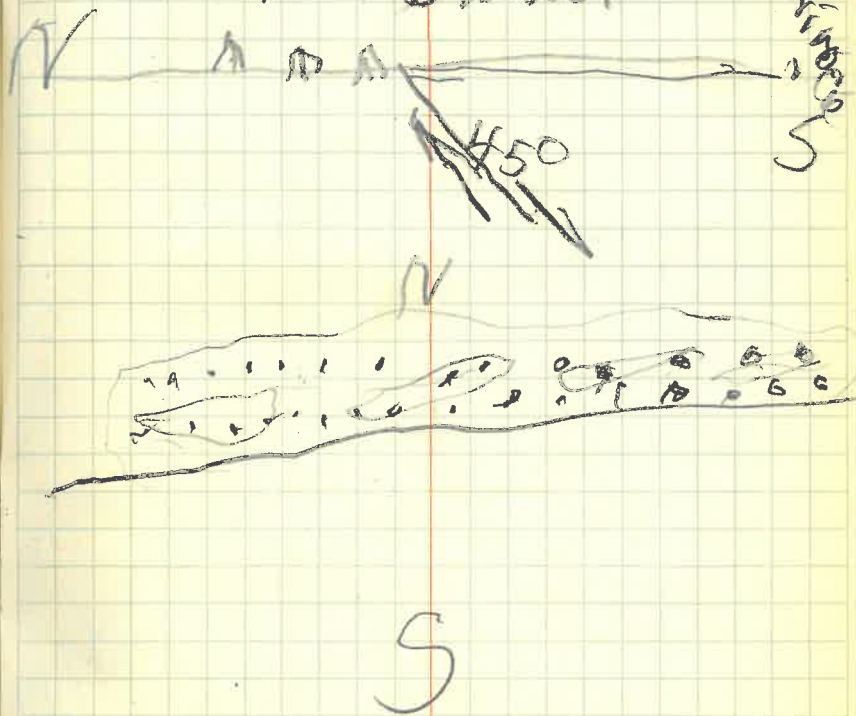
Mr. Hauser:
high S content
Field not being
Note for Mr.

Mr. Sherman:

Feb. 20, 1939
Pedernales

day

Pedernales Oil heavy
difficult to handle
+ x 1000
Henry: Appraisal oil
Ternblador



Mr. H & I drove
D.O. Cottage 140
80.55 Josepin No. 1

Photos 3-line Josepin
wks (45W at rig

Mr. Hall:

V. No. 1 32.5 A.P.I.
at 60 F Dark gr

July 10 } Josepin
Oct 11 } No. 1

Nov 10
Dec. 6 3800 Josepin
Jan

2.8 R.

Fri. Feb. 21, 1939

To Josepin
Coripito Camp

+ surrounding (3) NW at
S at Josepin 2(?)

5100 sand 65 ft
Bottom No. 2 5122 shale

een oil

Pugged back

Sack
4920 bottom
4655

Standing
1250 lb
40 F.

125m 65-ft sand

top pressure

750 lb Flowing casing
550 lb Tube pressure

5100
4920
180 ft

Guarapiche Riv
Suscep No 3

A 5-61 American
4 Borden slip
W. R. Speed in

Then to get to 4500 ft
man Shamburger

Suscep No. 2
continuously

No. 1

Tore
down
J. 2
Feb 1, 1939
pressure
20 BS con

14 BS

12 BS

Nov 5 14 BS

7 BS to 21 BS

Reman 32 BS bar

er Kakey
Using 20-30 Venez

Feb 21, 1939
on rigging up derrick
about 4 days hence
in 30 days and then

from Dec. 8 cored
40 ft per day

2690 bottom hole

according to weight
day

W 3 b. 24

Slumberger
a well on J. #1
with thin shale
probably can
not good
but Mr. Hall
make a well
and know

W 3 1/4" Choker
did not indicate
sand is laminated
strengthened
the Cervant
reported on S 2 was
Shum. man willing to
that J. I. would not
but Mr. G. had sand
his sand.

#1

#2

1820

513m,

5100

Dodson, Centro

0.0 Cerripito, S.O.

33.8 Maturín

63.1 La Cruz de

72.7 Maturín

158.0 Rio Tokoro

236.3 Oficina -

252.3 San Joaquin,

258.1 San Joaquin

269.0 Well

276.7 Santa Ana

291.0 Dusty road

295.7 El Roble

P. 2 Well

P. 3 ~~El Roble~~ Sup
Parkersburg
and Houst.

John,

Office

la Loma. Return to Met

Police Station

Granada Highway

Village

No. 1 Rain Feb 24

Village

erier Diesel
Rig Red Co. Brake

TH, Feb. 23, 1939.

Martin Decker
Recording weight
EMCO Rotary
2 250 HP
Diesel Engine

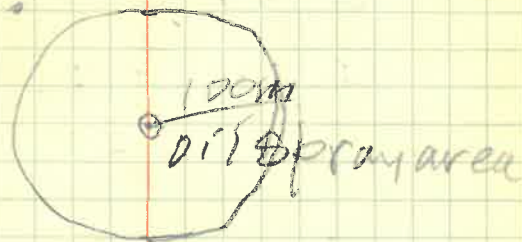
314.8 Santa Ana.
328.0 Santa Ana No. 2.
331.0 Cross Road

Todco Plumb Co

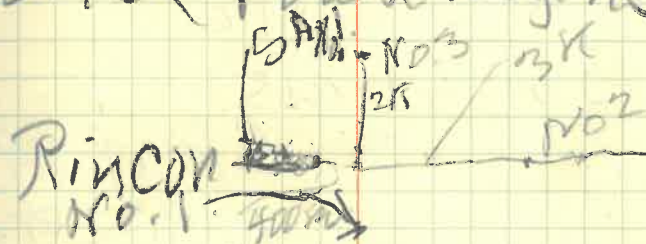
Syco Sperry
Cormin B

334-2 Texas

Corp. Automatic
Indicator
Table.



Oil road begins



L.F.)

- Sun Co. Ink Rig.
Eals

Camp.

Mr. Corwin,
keeping note
355.5 Laguna Laguna
404.0 Oficina
470.2 Paríaguán
473.2 Socony
478.2 Paríaguán
535.0 Gate
537.2 Gate
541.0 El Chaparral
542.0 El Chap. cen.
559.4 San Fran's
576.2 Rio Uhave
58 Zaraza

Drilling slowly
straight

camp Sat Feb. 25, 1934
7:02 A.M.
(5k. used in false start)

VD

co N of NW cor Las Olas

1245

El Macho dip
48 m.
40 m } along S
24 m } 1000m

22m in 600 m
at 600 m.
(547 to 538)

Mr. Tucker says
days to clear a
day are paid to
generally this

Mr. Hendrick
be carried
at \$1.00 per month
in the Odon plane
the head of the
to Canaura

-Strike in directions on
strike

5K 20m per 1000m
E dip.

Zaraza May 3 1939

it takes 30 prongs 4
camp site 250 per
✓ each tree cut per
costs \$1000.

a requests that
as an employer
that he can ride
this is necessary
the objection of
to move promptly

20.5 Zaraza
39 Rio Ipire
24.0 Dive E to
25.1 395 shot hole
41.1 South end
42.5 Good turn
SASA St.
Remember
right of way
62.1 Rio Ipire
78.2 Highway

Mr. Cram
San Diego 55K
San Diego NO. 1
of San Diego
at Camp
Schlumberger
Mr. Ripley Ems Co

7:4 D AM Mar 3/1939

La Soñas
SE cor. San Vicente
Guarico x Matas Altas
upper anticline here
Fili Sola (now in jail!)
to C.A. Horton
OVER F-see land!! wrong
P. 10

12:33 P.M.

5 (70K by road)
is about 8 to 10 KW
to Mr. Phillips was used
at San Diego
used upon one of the wells
says so only may have oil

has ordered a medium kept
place a small dip hole 2 1/2"
193 July

13610 a Parking

15. 7. 6. 1964

1957 DE, China

Y 219.1

231.1 Left Turn

336) Morichal

There is quite a few. Much
a rotary and a large one. The
parties seem left

Antigua. — Creek

Boliden .1 kg

Ploty Smith

(GOLF) .05

$0.5 \text{ mg} = 1 \text{ foot}$

$$1.179 = 2.0 \text{ KHz}$$

GEDAM

off Ciudad Bolivar road

 $5 + 2925$

L d rgo

370.6 3 yabow

371.7 Rio Yabo

P4 3819 P4 Looki
P5 Looki

386.1 ¹⁷
Mr Mata Negra
Mr T. A. A. -
Mr G. A. J. -
Temblador

37K 5. on Ciudad
east road thru
2 to the field.

The

Halse

4189 566 Wes

4345 Road to

4515 El Salto

ells on hill

na temblador

g E

Wig Christmas Tree

MV Gumble Mar 5 1939

is about 1200 by road -
Bolivar road then by left
abandoned well said it

B W Jarvis

t 7a to Well on grid
Ciudad Bolivar
Well

444 0 Wildcat
543 6 Ciudad Bo
579.9 Oficina
586.0 Left Oficina
629.5 Left for
Cantevra.

721.0 661.9 San Mateo

630.
90 733.5 Santa Barbara
Mr. Murrie
801 bs
2 plane
Electric

745.3 Bright
767.1 Tarradua
742.7 Guarabi

Went about 3 K S.
Viver - Oficina

March 6 1937

7:30 AM.

Santa Barbara about 5 K from

8:45 AM,

1. (2:50 - 1:50)

1/2 mi. Contour 4 men
type
temp. Control

Bro. ~~Ames~~
a 2:55

che at N. M. M.

814.0 Cachipó
8468 caripito

415 PM. Leave

515 Port of Spain
Pasadena

652 PPF 5. 1120

62 RIO CARON

83 Carre Oxen

87 Cla xton

89 Point a Piece

89 Looking

P6
P1, 23, Refinery Photo

92 RIO

94 San Fernando

102 Orobryche

103 St Marys

105 coffee at

111 La Brea

111 Loading by

P5

Mr Tomicelli Mr. Lopez Secret
W Mar 8

Cachipó

icupines TH. MEX.

Cane Land. Mules, simple

S across Proc. Field at S.E.

Town

River at Sea.

Sea level

aerial tram - in drums

130 Edge of
Reneux
Return at

130. San Fexna
Gardes

~~Return~~
Edw. Salisbury
445 ; 37 ft

Pitch Lake
much gas fossilized
440 P. M.
under S. side of Hill
Rock.

Return
Dr. Hill Cedar Key
sand.

92.7 At Dr. Hill's well
96.6 Cedar Keys
4412 tested
4472' shale

4002' gravel
Texas Corp.
Broughton Tex
4B 79 - 4414
and some

4002 - 4455
3985 B"

and cemented
Dr. Hill well
(Schlumberger)

Wed. Mar 21, 1939
(Cedar Keys) } 2000 ft
center } 3.9 m } 92.7 E
with chloroform
change of formation(?)

2
bags
asked for Kiplin.
best show gas
little oil

Tuscaloosa.
Casing was set
in
bring in Halden
in two weeks

Mr. C. W. Hook
3860 Burlington Ave
St. Petersburg, Fla.

Mr. D. A. Harkey
P.O. 1757,
St. Petersburg, Fla.

4365 Hintobe

(Cedar Key No. 1) Schertz No. 1
Quartz sand very
in new well, Ce
Mr. Herman
disposal

4377 Mottled bluish
Stone with ^{medium} fine
4382-4386 Mottled
sandstone with

See #
4 miles E. of Cedar Keys, No. 2
1600' Cedar No. 1

set 2", 4600 ft.

Tallahassee Mar 23/37

4010 Fine round clear
similar to core at 4005'
dark keys No. 2,
Bunter put at my

red-yellow clayey sand
uniform quartz grains
yellow red clayey
dark gray limy clay

4392-4400 Clay
slate gray color
quartz sandstone
with clay as it
with dilute

4402-4411 Fine
and white sands

4412-4414' clayey
without limestone

These samples
claimed as

3993-4044 Light
Carbonaceous "bone"

4045-4048 Core
limestone

4059-4062 argi
and gray clay

4063-4071 Darker
Carbonaceous?

light gray and dark
with white fine grained
only slightly cemented
effervesces but slightly
hydrochloric acid.

grained light yellow
tone with clay cement,
yellow sandstone
cement.

Show the "oil interval"
saturated.

gray calcareous flaky
shale? iron rust flakes
of argillaceous gray

limestone

gray calcareous flaky
similar to 3993-4044

~~4090~~-4115 Light
calcareous shale

4140-4161 Flakes

4170-4193 Flakes

4193-4213 Gray
seen at well on

4213-4217 Gray clay

4217-4228 Gray Splintery

4228-4235 Gray Splintery

4235-4243 Gray Splintery

4324-4326 Gray clay

Yellow sandstone

4328-4330 Yellow s
late - gray in

gray flaky carbonaceous (?)
or scale.

or scale

Splintery shale like 4472'
Mar 22 '39,

limestone fresh water (?)
shale

shale.

shale is
- limestone and light
fresh water (?)

sandstone and clay-limestone
color.

Main Parking Lot &
Main U-Drive-it Service
J. Barbash & Sons
261 NE 1st Miami
Phone 2-8994
Good prices

Mrs Cora Lee
c/o Mr Roy A Dohs
Endwell, N. Y.

Rent-a-car
New Post Office

Garage
109 NE 3rd St
315 NE 1st Ave

[2-3397] Miami
~~Mrs. [unclear]~~
Mr Chas Zaddock
118 E. Flagler St
First Nat Bank Bldg
Fleming & [unclear]

Mr. H

First National

Retirement

Vacation Sept Oct.

Trinidad Meeting

Apr 8 to 10

7 BS per day S.O.V.

or month S.O.V.

AV 10% of S.O.V.

Plane landing at Las Olas

Latest Land Map of

Guatemala

Eastern Venezuela

Permit entry over private

property will then be

unquestioned,

Mrs L. J. Hendricks

6796 Milner Road

Hollywood Calif

Go to pay Hollywood

& Highland 4 blocks

Talk to Andy Reinhold

about opening an

account for J. Hendricks

KEITH'S RAILROAD CURVE TABLES.

Published by KEUFFEL & ESSER CO., New York.

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HOW TO USE KEITH'S TABLES.

EXAMPLE.

Wanted a Curve with an Ext. of about 12 ft. Angle
of Intersection or I. P. = $23^{\circ} 20'$ to the R. at Station
542+72.

Ext. in Tab. IV opposite $23^{\circ} 20' = 120.87$
 $120.87 + 12 = 10.07$. Say a 10° Curve.

Tan. in Tab. IV opp. $23^{\circ} 20' = 1183.1$
 $1183.1 + 10 = 118.31$.

Tab. V. correction for A. $23^{\circ} 20'$ for a 10° Cur. = 0.16
 $118.31 + 0.16 = 118.47 = \text{corrected Tangent}$.

(If corrected Ext. is required find in same way)
Ang. $23^{\circ} 20' = 23.33^{\circ} \div 10 = 2.3333 = \text{L. C.}$

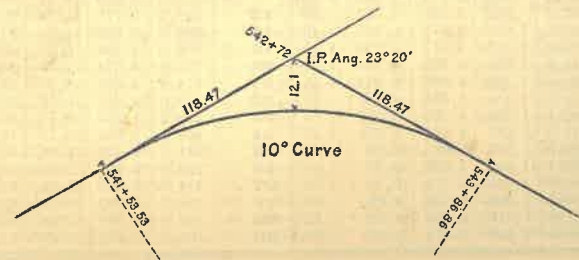
$2^{\circ} 19\frac{1}{2}' = \text{def. for sta.}$	542	I. P. = sta.	542+72
$4^{\circ} 49\frac{1}{2}' = \text{" " "}$	+50	Tan. =	1.18.47
$7^{\circ} 19\frac{1}{2}' = \text{" " "}$	543	B. C. = sta.	541+53.53
$9^{\circ} 49\frac{1}{2}' = \text{" " "}$	+50	L. C. =	2.33.33
$11^{\circ} 40' = \text{" " "}$	543+	E. C. = sta.	543+86.86
	86.86		

$100 - 53.53 = 46.47 \times 3' (\text{def. for 1 ft. of } 10^{\circ} \text{ Cur.}) = 139.41' =$
 $2^{\circ} 19\frac{1}{2}' = \text{def. for sta. 542.}$

Def. for 50 ft. = $2^{\circ} 30'$ for a 10° Curve.

Def. for 36.86 ft. = $1^{\circ} 50\frac{1}{2}'$ for a 10° Curve

(These tables are published in Field Books of
KEUFFEL & ESSER CO., New York, N. Y.)



PAUL S. STANSBURY
ATTORNEY-AT-LAW

301 EQUITABLE BLDG.

PHONE 8446

ST. PETERSBURG, FLA.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES $1\frac{1}{2}$ TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

MADE IN GERMANY.

R.



DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES $1\frac{1}{2}$ TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

MADE IN GERMANY.

R.

