RECORD

F

64-2

Golden Valley

July 20, 1964

Leo J. Hickey

Department of Geology
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Princeton New Jersey.

SECTION [illegible]

[illegible]

[illegible]

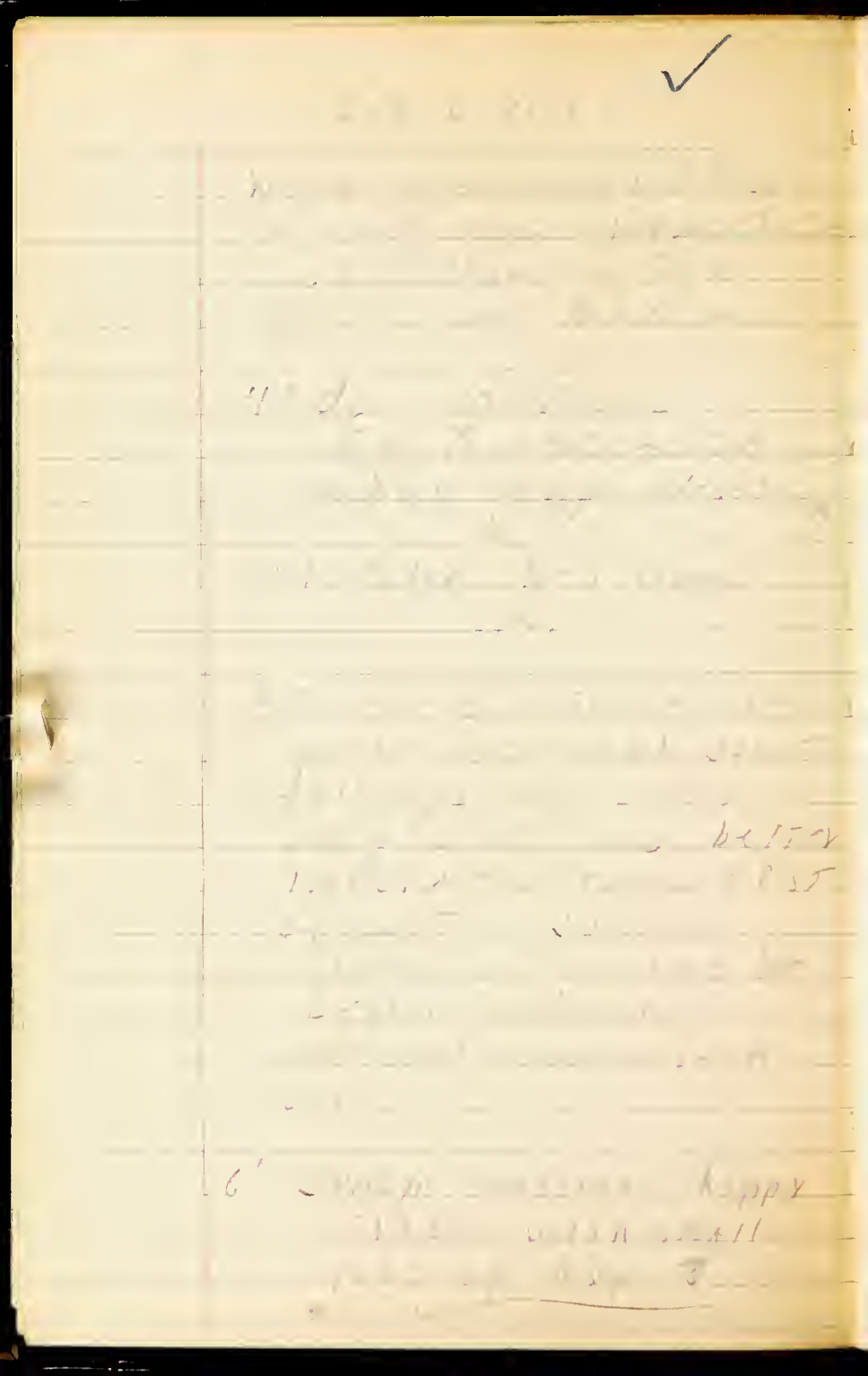
[illegible]

[illegible]

[illegible]

G.V. [illegible] of L. Mpn

2. F.G. Arg. [illegible]



Sec [illegible]

7.2 [illegible], well
indurated massive
irregularly [illegible]
SILTST
Dips [illegible] to
see from [illegible]
[illegible] First here
to [illegible] Then to 10° - 20°

8.6 N-1 Lignite
1" here
but to west 1'
thick & dipping as
[illegible]
No [illegible] out
[illegible]
it.
[illegible]

9.6 MASSIVE [illegible] MILKY
[illegible] SILTST
10YR 6/2

12.2 Mollusc lens

Take Here

16 Mid Orad [illegible]
N-9 SILTY CLAY [illegible] (10)
MASSIVE [illegible]
~~[illegible]~~ [illegible] 10YR 2/4
CALC [illegible] & STAIN
imp.
[illegible] MITE STAINING on
JOINTS 10YR 2/4 & 5Y 2/5

18' MINETE limonite spherule
begin to appear
[illegible] [illegible]
SILTST Fr. col. N-8

[illegible]
10YR 2/4 [illegible]

20' N8, 7R 4/6, 10YR 8/6
V. SILTY CLAY
MASSIVE with MIN. hem.
spherules abt 5%.
mic x leads abt 1%

21 SILTST MASSIVE N-8
[illegible] 21-24
10YR 6/6 & N-8

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

28. [illegible] break
irregularly fracturing
[illegible] massive sh
[illegible]

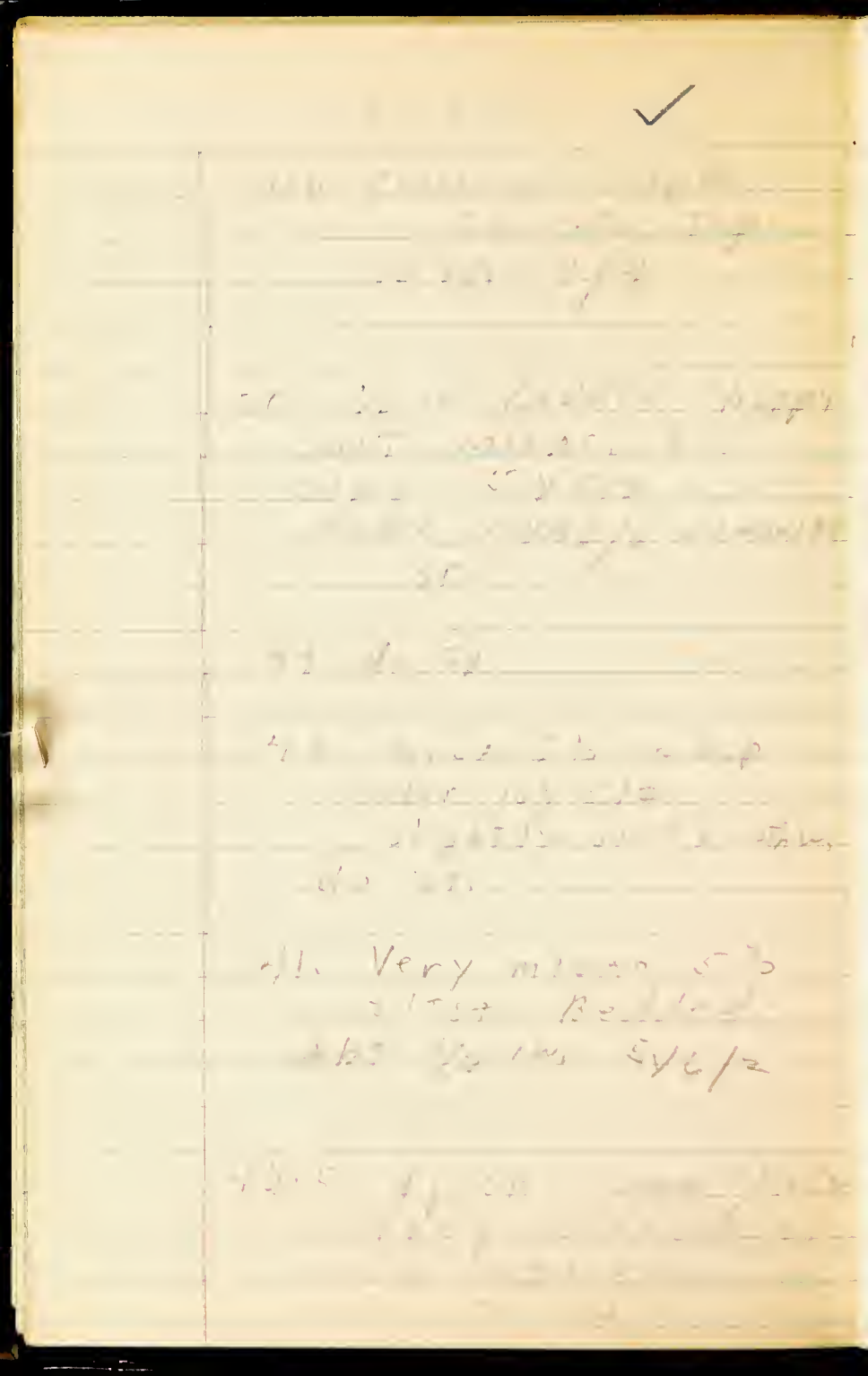
29. Sy [illegible] massive
[illegible] irregular [illegible]
sh [illegible]
[illegible] Plant [illegible]
[illegible] Dicots, [illegible] wood [illegible]
[illegible] Seg. form. of
33' [illegible] 21'
[illegible] Models
[illegible] sh
[illegible] of ss.

34, 5. [illegible]
massive [illegible]
[illegible] clay
[illegible] ST

[illegible] sh,

35. [illegible]
[illegible]

36. [illegible] (2 lu)
chiefly sh.



Sec 1-2-1

[illegible] NATIVE WAINS
MIC, ABI 7D.

46.5 do 42.5 exc.
[illegible]
10YR 6/4

47. do 46.5 BUT SYP
BLEBS APPEAR

49. 10YR 6/4 X LAMINATED
SS. do 46.5.
X LAMINATIONS [illegible]
[illegible]

SS. IN UNINDURATED

51 do 49 BUT NOT X LAM

52 [illegible]
[illegible]

SEC 2-22-2

15'
18'
21'
30'
33'
36'
50 -

wh color

SYB 2/2

wh SYII -/4

— 74' [illegible]

Br grey clay

✓

[illegible]

[illegible]

135. [illegible]
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] DOWN [illegible] very
[illegible] broken
[illegible] SILTSTONE WITH
[illegible] NO SILT.

[illegible]

107 [illegible]

[illegible]

[illegible]

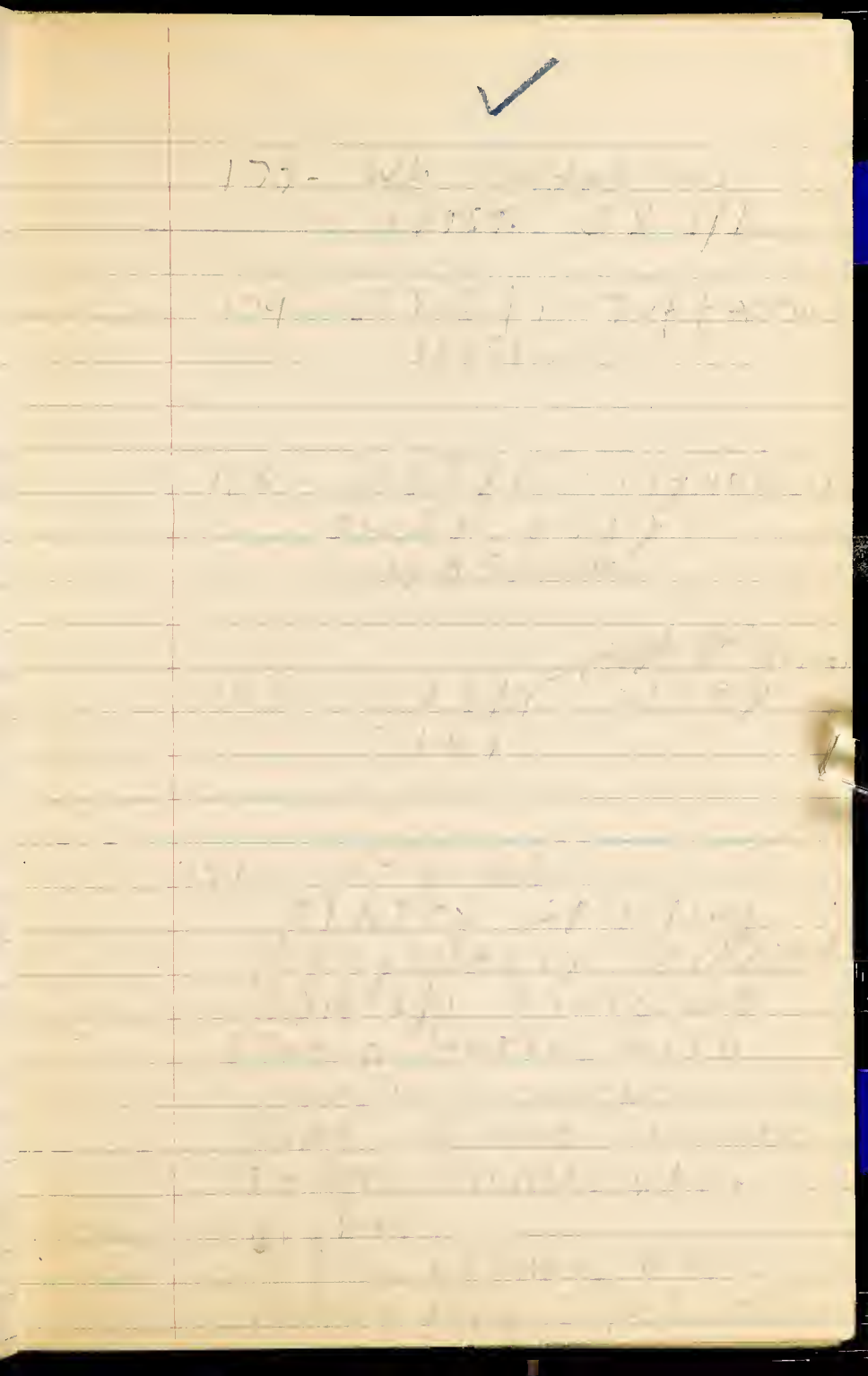
[illegible]

White River.
+ [illegible] SEQUENCE
OF CHANNELED
SILTSTONES, VFG
MICACEOUS <1/2 % X >1/1
SA SS.

106 - [illegible], SA,
[illegible] 3/1 [illegible]
NON MIC <1/2 % SS,
SET IN A CHANNEL.

[illegible]

171 [illegible]



July 21,

LOCALITY L-21-1
SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec [illegible] T [illegible] R 93 W

Pre[illegible]
[illegible]

0-6' F.U. A br grey [illegible]
med SA micaceous SILTS
Ss [illegible] [illegible]
ft. top [illegible]
Limonite st. ss thru SILTS.

6 S.U. Transition to
dark grey laminated
micaceous (?) SILTS.

12' Dark grey well bedded
[illegible] (?) CLAY

[illegible]

17 Light grey [illegible] CLAY
with [illegible] [illegible]

[illegible] CLAY, Crumbly

L-21-2

S ½ Sec 20 T [illegible]

[illegible]

25' [illegible]

[illegible] red [illegible]
[illegible] Vis. [illegible]
20ml Min 7 Lim. Sph
[illegible]
[illegible] 34 Tri
[illegible]
[illegible] 1-2
[illegible] with [illegible]

L-21-3
Sw ¼ Sec 31 T 140N R 93W.

30 foot [illegible]
Brown [illegible]
0 [illegible]
f F.V.
B [illegible]
8 [illegible] into
very kaolinitic, somewhat
micaceous f SA white
[illegible] SS.

20 v f g SS.

V

26. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Pour [illegible]

L- 21-4 [illegible]

[illegible]

SL [illegible]

L- 21-5 [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

July 23, 1964

G.V.

5' 5YR 5/1 [illegible]
[illegible]
[illegible]
[illegible] 170

7' 4 [illegible]
N=7 [illegible] 3-
4 70 SITST. [illegible]
p[illegible] [illegible]
SAMP[illegible] [illegible]

10 5YR 5/1 CLAY [illegible]
[illegible]
SMALL AMT [illegible]
[illegible]

[illegible]
[illegible]
N=1

12 [illegible]
CLAY

13' N=8 [illegible]
ST. [illegible]
[illegible]

$ 30, 2 1" layer of [illegible]
[illegible] TST. Concrete
[illegible] [illegible].

[illegible] [illegible] [illegible] proposal
[illegible] [illegible] SS with
MICA [illegible]

31 End [illegible] SECTION

[illegible]

[illegible]

[illegible]	Covered [illegible]
[illegible]	Very [illegible]
[illegible]	[illegible]

[illegible]

[illegible]

2+1 [illegible]

[illegible]

9. [illegible]

10.5 VERY SILTY CLAY
BREAKING INTO [illegible]
[illegible] 1/2 [illegible]

14.2 HILL TOP CONTAINED
BY A [illegible] LAYER OF
[illegible] SOIL
INTO [illegible] HILL
[illegible]
[illegible] SOIL

16.2 End of SECTION

FORT UNION Fm.

Centers [illegible] also-
Fuss [illegible]

G.V.

Wh. color 3.3 - 4.4 - N.8

~~3.3~~ G.V. L.M. L.G.

3.3. 5YR 5/1 micaceous clay
fissile [illegible]
A [illegible] acute [illegible]
[illegible]
[illegible]

4.5 5Y 6/1 slightly silty
[illegible] 6/4Y

5.6. [illegible]
somewhat [illegible] clay
[illegible]

Wh. color 4.8 - 2 5Y 7/2

M.O.

6' 10 - 5 [illegible]
[illegible] limonite
[illegible] 5Y 6/2
Wh. [illegible] 9 - 12 N-8

9 5Y 7/1 sharp clay
[illegible]

14.8

End of Section.

L-23-4 Center sec 20 T 140N R 93W.

Lignite above 5th layer atleast 4 feet thick has burned and formed a scoria here.

July 24, 1904

Loc [illegible]

[illegible] 15 20' [illegible]

FAIR [illegible]

Some [illegible]

would [illegible]

Loc 4-24-2 Dragon [illegible] pond

NW ¼ NE ¼ Sec [illegible] T 3

9 S-W.

Loc 4-24-2 [illegible]

[illegible]

NE ¼ [illegible]

T 140 N R 95 W.

4-24-4 SL [illegible] bitters

NE ¼ [illegible] E ½ [illegible] 4

T 140 N R 95 W.

L-24-S

[illegible]

[illegible] 141N R 7W

[illegible]

[illegible] on [illegible]
SS (F.U.) [illegible]

AT BASE of [illegible] TREES on N side
of [illegible] HAS LARGE
[illegible]
which had [illegible]
over [illegible]

→ Samp L-24-S-1

ON Boulder [illegible] HILL ON
BOTTE 840' Above.

Petrified [illegible] Large
[illegible] Above Cliff-

L-24 [illegible] 36 T 141 N

[illegible]

L-24-2 NW, NW, Sec 25, T 141 N, R 95 W

[illegible]

L-24-8 [illegible] hills [illegible] section [illegible] for [illegible]

SW, SW, Sec 23, T 141 N, R 95 W

L-24-9 KAOLINITIC grey F.V. outcrop with a rather [illegible] appearance SE 1/4 NE 1/4 sec 4 T 141 N R 95 W.

L-24-10 KAOLINITIC channel [illegible] out within a distance of 1/4 mile exposed in gutters NW 1/4, NW 1/4, Sec 36 T 141 N R 95 W.

1-24 [illegible]

1-24 [illegible]

5

1-24-12 G.V. [illegible]

1-24-14 NW¼ NW¼ [illegible] T 14 N
R 96 W.

1-24-15 [illegible] T 14 N
R [illegible]

1-24-16 G.V. CHANNEL [illegible]
SE¼ SE¼ [illegible] T
14 N R 97 W.

2-24-17 Camels / butte E of N. Hrnd.
G.V. on W. side of BUTTE
FAIR SECTION.

July 26 1904

[illegible] Sec 4
T 15 N R 2 W.

G.V. base covered in
a pit on Telephone
Tower Butte.

-2'

[illegible]
Thin [illegible]
and [illegible]
at 55.
Some [illegible]
Trash [illegible]

L.H. [illegible]
Some [illegible]
[illegible]

[illegible]

Some [illegible]

Sec. 2 [illegible]

Elevation [illegible]

CARB trash on [illegible] belpl.
Color [illegible] Trash. [illegible] 5YR 5/2

- 0.2 [illegible] 5Y 6/4 limonite [illegible] 5Y4
medium grained [illegible]
Thin-bedded [illegible]
layer of spherical
limonite [illegible] crust
[illegible] [illegible]
much Kaolinite

Color at [illegible] 5Y 8/1
Some [illegible] concs.

25 Mature [illegible] clay 10YR 7/2

1.0 [illegible] 5Y 8/1 & 5Y 7/1

1.0 The [illegible] Thin bedded
[illegible]
base of [illegible]
[illegible]
[illegible] 5YR 5/2 for Carb.
[illegible] 5YR 5/4 for [illegible]
Equipment fossils [illegible]

Specs

L-dsf

L-25-1

6 7

7. [illegible]

8. [illegible]

9. [illegible]

10. [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

A-252

Dragonfly Pond

NW, NE, Sec 5, T 140 N, R 95 W

St. Louis Co.

F. U. (?)

0' [illegible] MASSIVE

15 YR 6/2 (WET)

with [illegible] 6/1

2.9' SILTY MASSIVE chippy

10 YR 5/1 Sh. with

Areas ST. [illegible] 6/6

Top 1" ST [illegible] 6/6 [illegible]

4.1 G. V [illegible]

MASSIVE [illegible] 6/1 SILTY

[illegible] (PY)

Large [illegible] SIA

5 N-8 MASSIVE [illegible]

SILTST.

17 N+6.5 MASSIVE

chippy SILTST.

17.8 (SL)

upper mor

5-21

L-25-2

Sh.

Wh. Color white v.m.
5X8/1

25. Thin bedded sand/z, vfg.
non mic, sr, sl pb 1/x
micex, [illegible] sd.

26. [illegible] but [illegible] A. [illegible]
[illegible] at [illegible]

[illegible]

[illegible] of [illegible]

July 26, 1904

NE, SW, Sec 31, T 141 N R 94 W.
Fairy Dells.

6'

L-26-1 ✓

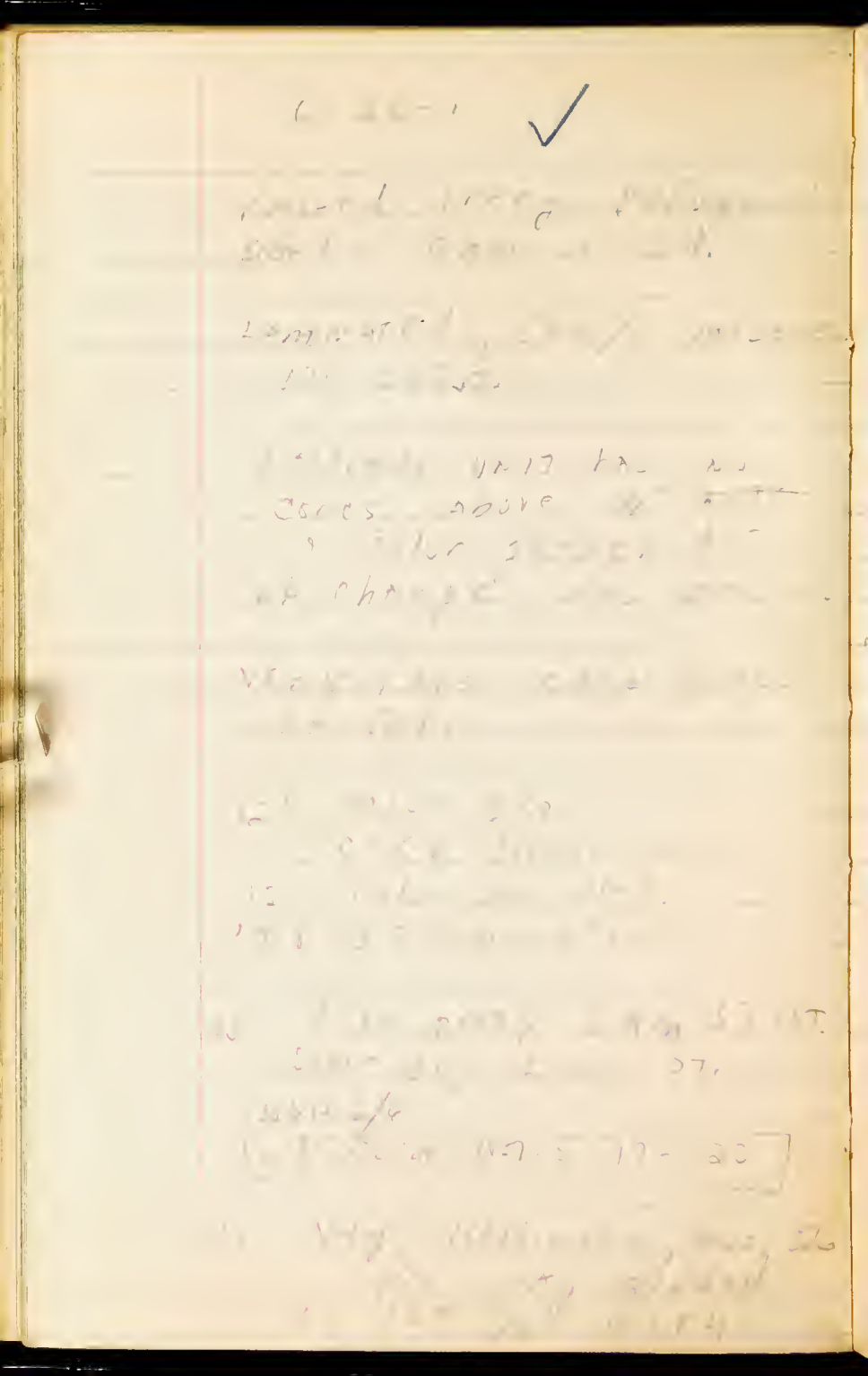
A ~~Test~~ [illegible]
of. Sn [illegible] 20 [illegible]
Lateral [illegible]
[illegible] by [illegible]
Limy [illegible]
Chipped [illegible]
The [illegible] The [illegible]
[illegible] ⊥ to
[illegible]
[illegible]
[illegible] wh [illegible]
to [illegible] internally
unweathered [illegible]

1.2 [illegible]

9.5. Highest [illegible]

G.V.

10.5 Wh color 90.5 is N-7
wh [illegible]
[illegible]



L-26-1 ✓

19 [illegible]

20 [illegible]

Wh [illegible]

20.4 [illegible]

[illegible]

[illegible]

24. [illegible]

[illegible]

26 [illegible]

[illegible]

[illegible]

high [illegible]

✓

Schedules

[illegible] Appendix

[illegible] and small

[illegible] associated [illegible]

[illegible] scat

[illegible]

Cla[illegible]

[illegible]

241 - 341

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

36.3' 10YR 5/2 [illegible]

36.3' 10YR 5/2 [illegible] fgs.

36.5' [illegible] 5Y 8/1 sh

36.6 1" [illegible]

36.7 Thin bedded [illegible] 5Y 8/1 sh.

40.2 [illegible]

Here

✓

4.2.2 [illegible] INCIPIT

[illegible]

Gastropod [illegible]

[illegible]

4.4.3 Lignitic fissile paper

[illegible] shell

[illegible] lowest [illegible]

[illegible]

4.4.8 [illegible] fissile [illegible]

[illegible]

[illegible]

L-26-1-2 Crushed [illegible] opal

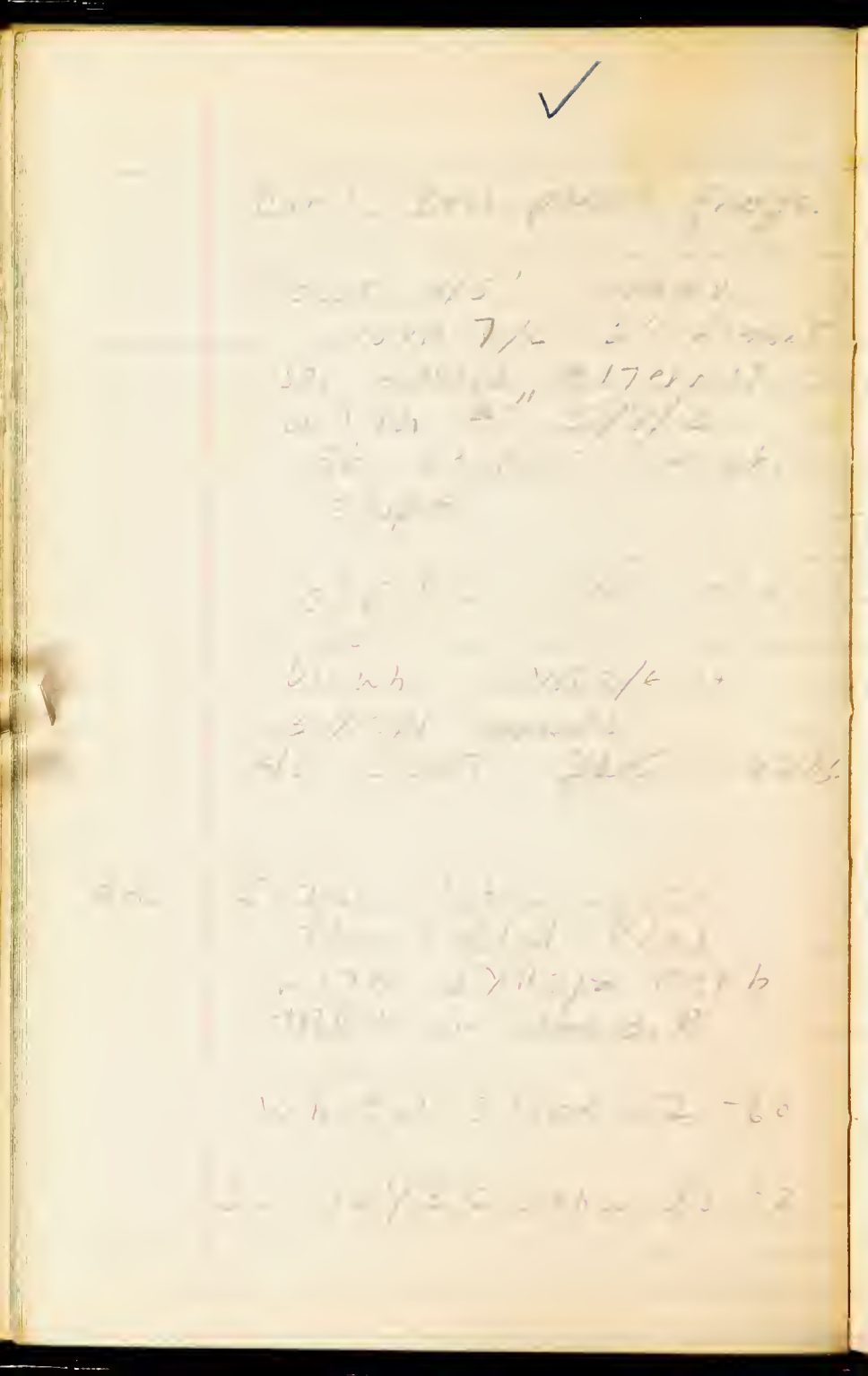
[illegible]

[illegible]

3" Thick 2-4 ft. dia

[illegible] silica concretions.

5% [illegible] for some [illegible]



50

63

64

65-8

628.

6

Some

7

✓

[illegible]

[illegible]

76 [illegible]

77. Covered

78- [illegible]

80 [illegible]

[illegible]

[illegible]

92 [illegible]

90.5 PLATEY, 10YR 6/4,
MICACEOUS 270 SILTST

92.5 Covered.

do 90.5 except
CITION B.P

95.0 Covered.

2 ft soil.

End Section.

NW, Sec 36, T 141 N R 95 W.

L 2 1

1 7.

wh [illegible]
N 8, [illegible] 7/6, SY 12
[illegible]

11 MASSIVE, [illegible]
[illegible], SY 8/1 [illegible]
SCATTER[illegible]
[illegible]

14 wh. [illegible] St. [illegible] 20 - 15 N-8
[illegible]
[illegible] 7/6

[illegible] do [illegible] No [illegible] spns.

20' N-8 MASSIVE [illegible]

wh. col. Slope [illegible]
SY 7/2

21. SY 8 7/1 MASSIVE [illegible]
which when silicified
plub, [illegible] St elsewhere.

[illegible]

[illegible] Upper Mat [illegible]
Lignite [illegible]

[illegible] Mica [illegible]
[illegible]

[illegible]

[illegible]

[illegible]

3012 Continued.

1 [illegible]

[illegible]

[illegible]

[illegible] 48'

* [illegible]

[illegible]

[illegible] 1/7/51

* further des[illegible]

Samp. L- 26-1-1

from 6 in above [illegible]

24.7'

a at 25.3'

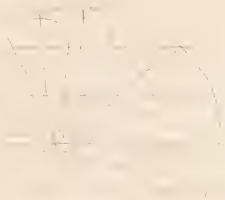
L-28-1-1 A. Bud ?

Cancid scale.

WATER LILLY LEAVES?

Some with a ~~of diameter~~

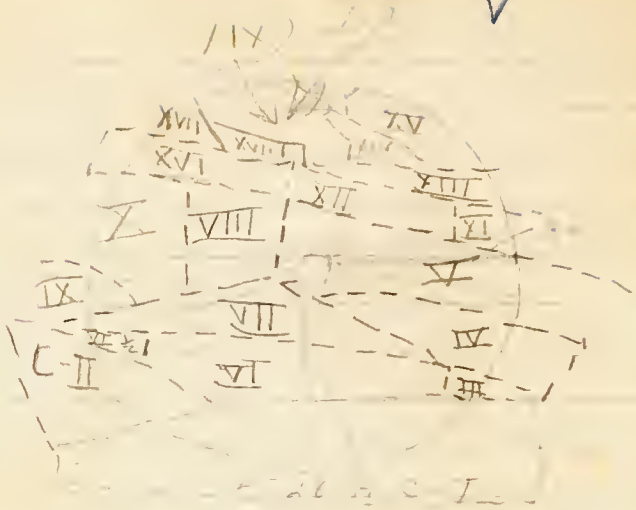
of a radius of 6-8"



Same [illegible]

L-26-1-1

RAd



July 29, 1964

loc L-29-1-1
NW¼, NW¼, Sec 25 T 141 N
R 9 SW

Fossils
L-29-1-1 from
Lower Green unit
Lower Miss Div.

A-3-1

✓

[illegible] for [illegible] N-8
Much [illegible], small 2 m. pts.

17. A [illegible] layers of
[illegible], med., SA.
Very [illegible] rich, micac
[illegible] [illegible] layer [illegible] lakes.
SS. massive but with
some [illegible] of [illegible]

16. SS, do. N-8 with less
[illegible] [illegible] thing, mica abt
[illegible] [illegible] flakes
[illegible] [illegible] ST [illegible]

~~21. Stone [illegible] gulleyfill~~
~~MAT~~

20 Very light grey N-8
[illegible] Almost [illegible]
[illegible] fg., SA.
with [illegible] SS.

24 do 20'

31 [illegible]

34 [illegible]

✓

41 [illegible] 6

[illegible] CA, MIL 7½°
N-9 KAOLINITIC, MASSIVE
[illegible] ABT 70 [illegible]
SS. POORLY INDURATED.

[illegible] 41'

49.9 GRAD CONTACT GV. BASE; RB, CHOSEN HERE AT 49.9
THIN BEDDED, N-7, MICACEOUS
~~[illegible] BEDDED~~
~~[illegible]~~
[illegible] SILTST.

[illegible] BED OF DO HS SS
[illegible] INCL. [illegible]

51.2 SS [illegible]

[illegible] WITH
[illegible]
SYM 4/1 BEDS ARE [illegible]
A [illegible] LIMONITIC [illegible]
[illegible] SS 45 36

[illegible] 2. [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] a few [illegible]
[illegible] UNIT.

[illegible]

[illegible] 8.5 - ~~Very~~
very CLAYEY SILTS
MASSIVE NON MIC.
[illegible]
[illegible] 5/11 very SILTY
CLAY WITH occ.
[illegible] CARB. STRINGS
SL UNIT. LATERALLY [illegible]
[illegible] TYP. SL.
[illegible]

[illegible] 75 - [illegible] 1/2 LIGNITE

71.8 Upper mbr.
Thin bedded sh. SILTY
CLAY WITH RARE PL.
FRAGS. [Nelimbo bed]
Col. 5Y 6/1

[illegible]

August [illegible], 196[illegible]

Sec 4-6-1
NE 1/4, NW 1/4 Sec 35 T 142N
R 96W

Section [illegible] F.V.
F.V.
f.g. SA, very silty bedded
10YR 5/4, micaceous (2%), 10YR 7/6
[illegible] SS. with
5YR 3/4 carb. trash on bdg

2. [illegible] f.g. SA, mic. (2%)
[illegible] silty [illegible]
SS, [illegible] carb. trash on bdg

[illegible]

4. C.T. & lim. st. present
Other do 2.

4? SS grades into A
slist then AT
[illegible] into A silty clay
N-2, very micaceous, 470
[illegible] 3/0

Golden Valley

A-6 1-1 → Yell. min

Much charred wood

wh Color 5YR 8/1

9.6

wh. Color

10.7 - [illegible] STAINED [illegible]
[illegible]

10.4 - do 7.6 MUCH [illegible]
AGGREGATE [illegible]
[illegible]
LARGE [illegible]
MASSES [illegible]
LAYER [illegible]

Above [illegible]
INSTEAD

10.4 [illegible]
[illegible] N-2 [illegible]
[illegible]
~~[illegible]~~ [illegible]
[illegible]
[illegible]

10 [illegible] GRADES [illegible] A LIST
N-8 MASSIVE SOME [illegible]
[illegible]

[illegible] 8/11 [illegible]
[illegible]

20

20 ?

21, 3

V

23.8 UNIT [illegible] 5YR 7/1
[illegible]
[illegible] ST [illegible] CLAY

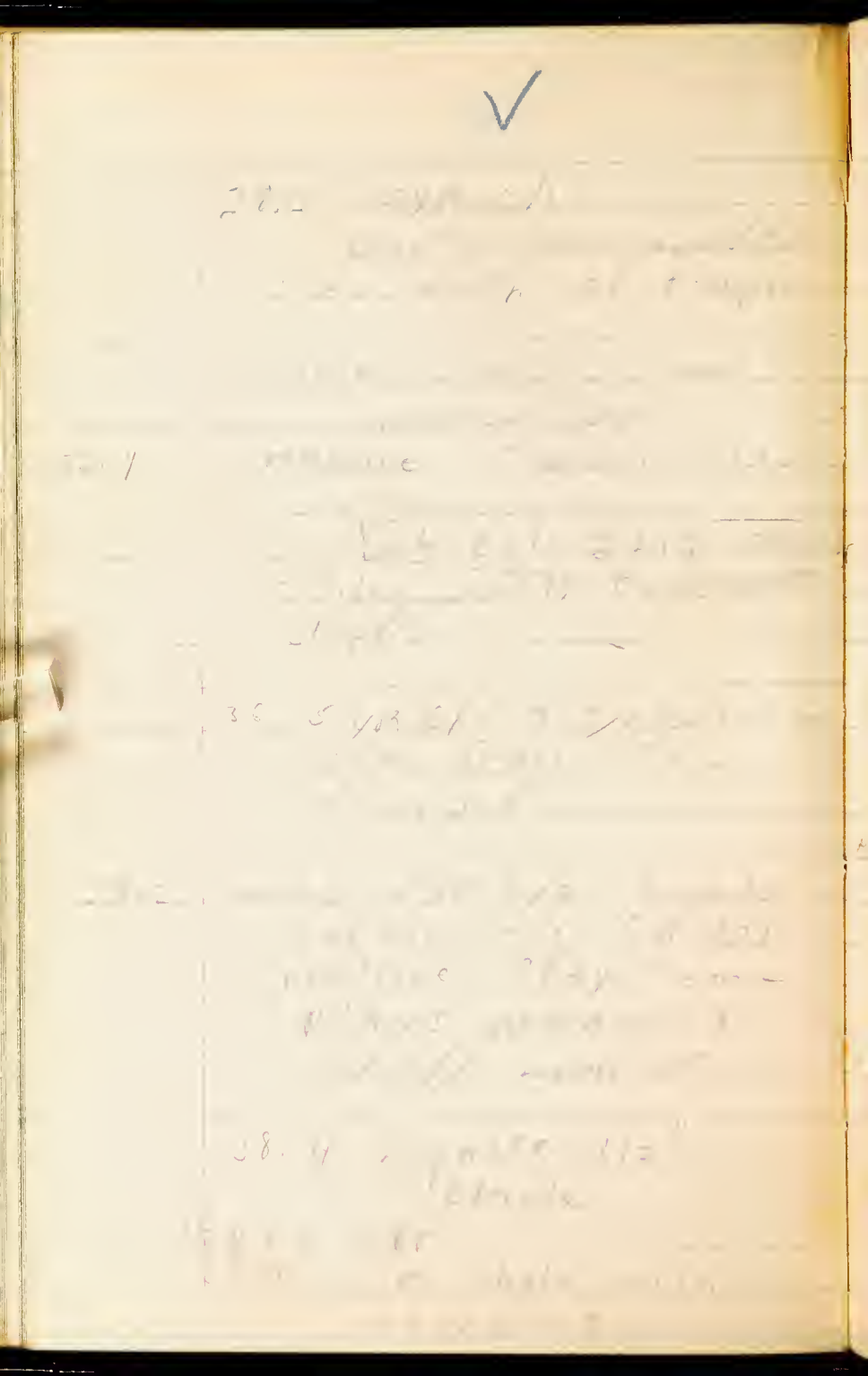
wh. color Sl. [illegible]

25.8. MA [illegible]
[illegible] 5/2
[illegible] wh.

[illegible]

27- UNIT [illegible] 25.8
5YR 7/1 WITH [illegible]
N-7.5

wh. color Sl. 26.5. N-7.5
[illegible]



✓

[illegible] 2/
[illegible]
abundant [illegible] xls.
wh Color [illegible]
[illegible] xls N-7

41.4 12296/2 fissle bituminous
shale with [illegible]
[illegible]
Gyp xls [illegible]
wh Color 5Y 8/1
41.9. N-8 very fissle shale.
Bears SALVINIA for
8" inches starting
at [illegible]

A 1 2 → Samples A-6-1-2
Other pl frags as well
Dicots, ferns.
Water lilly frags at 42.2
Large Gyp xls wh from
This unit.
wh color 41.9 - 5Y 8/1

Large WATER LILLY LEAVES
& SALVINIAS.
AT 42.8.
"WATER LILLY [illegible] FAIRY DELLS

V

✓

51 do 48.5
Cover. inc on slope

54 do [illegible]
[illegible]

55 [illegible] inc. Amt. of carb
trash on [illegible]
[illegible]

56 Lignite mostly covered
[illegible]
[illegible]
5YR 2/2

[illegible] 5YR 6/1 very fissle, shale
bearing plant frags.
[illegible]

[illegible] 5YR 8/1, ~~[illegible]~~ now fissle
[illegible] but is chippy
[illegible]

[illegible] 61 - Lignite
very crumbly &
sooty many gyp xls
N-1 to 5YR 2/2
with Limonite 10YR 8/6

Yellow [illegible]

[illegible]

[illegible]

63. [illegible]

63.3 [illegible]

66.5 Dist. 25' becomes a
massive clay with
abt 20 large
flakes. 5Y 6/1
Sequoia frags present.

67.5 Clay becomes a silt
with abt 10
large white flakes
Then
67.6 Vfg SA, calcareous
non indurated massive,
pink (5YR 8/4) with
floating spheres of
fine white SA and
cemented sand with
fine white, 10YR 7/2
SA of SA
67.7 contains very
large log of petrified
wood.
Sample A 1-4

70 Covered,
71.8 wh. color 10R 4/4
Broken pieces of 10R 4/4
Calc. concs. containing

Sequoia 1 plant [illegible]
[illegible]
[illegible] 1 [illegible] N-8.
A [illegible]-1-6

AUGUST 7, 1964

SEC 4-7-1

SE, NE, Sec 27, T 142N, R 96W

0'

[illegible] 6/2 [illegible]

[illegible] of [illegible]

[illegible] Lamina

Finly bedded

[illegible] wood

1'

Wh color [illegible] slope 0' - SY6/1

Wh. color slope 3.2 - 3.5 N-7

3'

[illegible] bedded [illegible]

[illegible]

[illegible]

Layer of [illegible]

3.5'

SY6/1 MASSIVE [illegible]

[illegible] Some SY4

[illegible]

3.5 1" layer of discoidal

4" dia. silicified

√

V

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

14 [illegible] 5Y 6/1 slightly silty
fine sh with many
[illegible], some [illegible]
frags.
Gyp. 1/1

16.1 Vf.g, m.c, ad, 5Y 6/1
silty, ss with
many plant frags
discots & [illegible],
BOTTOM 2" IS well
ind limon cemented
10 [illegible] 5/4 ss.

V

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

30,1 [illegible] N-7 [illegible]
CONCRETE [illegible]
[illegible]

[illegible]

[illegible]

✓

[illegible]

[illegible] 7/3 [illegible] CLAY
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

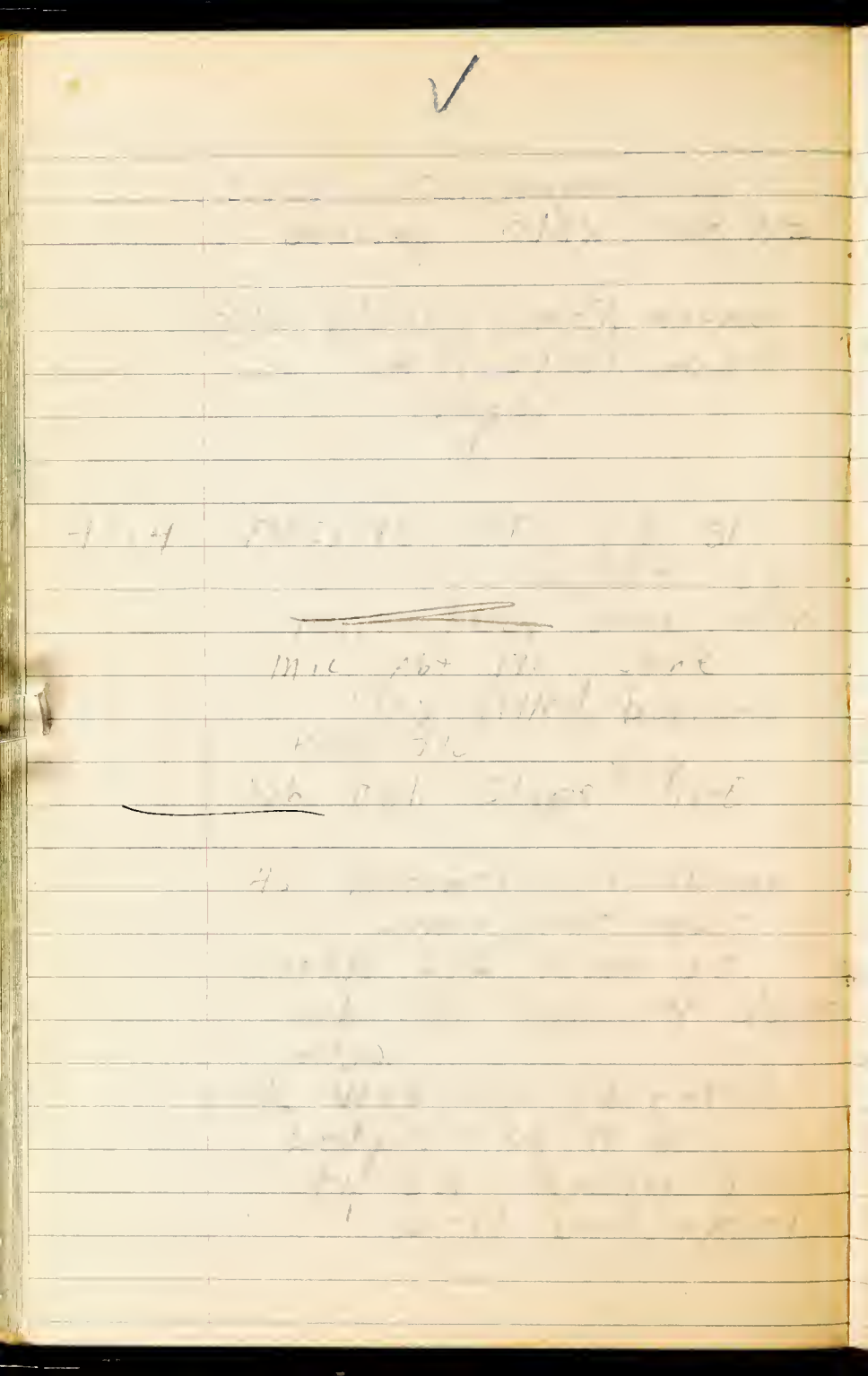
[illegible]

[illegible]

[illegible] 7/3.

CLAY WITH MANY leaf
[illegible]

[illegible]



47.5

[illegible]

[illegible] 5YR 5/2 SLIGHTLY
f. SANDY SITST.
mod. well ind
NON CALC.

48.7 ~~Lack~~ Thin bedded, carbonaceous SHALE
SITST WITH carb wood
frags. & poor pl. frags.
Well indurated

Wh. Colors 5YR [illegible]

50.6 Fissle, SILTY CLAY, sh.
with carb wood frags.

52.7 Fissle, SILTY CLAY
10YR 6/2 STAINED
10YR 6/6 NO pl. frags.
some FYP if crush.

✓

✓

Ann, [illegible]

65.Y [illegible]

Upper mbr.

[illegible]

with N-1 carb frags

M

68.3 massive, [illegible],
S/4)

[illegible] Lignitic, [illegible],
[illegible] Ann [illegible]
[illegible] Shale [illegible]
[illegible] with [illegible] SI to Top
S Y 7/2,

69.2 [illegible] pedal S/7S7,
[illegible] some
A-7-1-2 [illegible] leaf, mps
[illegible] Agyrodium

[illegible]

[illegible] bedding

[illegible] Areas - [illegible]

[illegible] and

[illegible]

25. [illegible]

[illegible]

[illegible] few poor [illegible]

78 [illegible] do
[illegible]

79. Lignitic [illegible]
[illegible] in many
[illegible] pres. [illegible]
[illegible] yell. ochre
[illegible] tree [illegible]

80. Lignitic [illegible]
Part of lignite has
[illegible] to an
his layer with fibrous
woody texture
- his may occupy
a portion of the
lignite or take up
almost all of its
thickness or entire
silicified lignite &
Color of his [illegible] charcoal
styrbyl, outside
[illegible]
his has [illegible]
[illegible] filled with
[illegible]
his, [illegible] A-7-1-1

[illegible]

[illegible]

[illegible]

[illegible] NOW
[illegible] TO
[illegible] NON-MI[illegible]

NON [illegible]

[illegible]

IRREG LAMINATIONS
CAUSED BY [illegible]

[illegible]
[illegible] OBS [illegible]
[illegible]

88. Thin bedded 5Y6/4
SILTST. micaceous
Abt 270

90 [illegible]

92 vfg [illegible] micaceous 370
5Y8/1 ss. non
indurated & app
massive.
see Lim nodules,

95' SILTST. 5Y8/1 with
seams of wh. [illegible]
97.2 Br fissile [illegible] with [illegible] 5YR 4/4
98' 10Y 4/2 mottled w.
[illegible]

99.5. [illegible] 92 except
[illegible] &
[illegible] at base
[illegible]

101. 10YR 6/4 vfg ss.

Some pieces of
thin platy white

COATED [illegible]

[illegible]

[illegible]

HARD [illegible]

[illegible]

ONE [illegible]

Aug 13,

Loc A-13-1

North of abandoned ranch
[illegible] 97W

Lower Mor G.V. very silty
without well developed
orange layer. Instead
[illegible] lower part of orange
layer a [illegible] bed
of [illegible] very [illegible] S.S.
comes into sharp [illegible]
in the lower part

[illegible] F.V. [illegible]

Upper 2 ft of L.M. is
brownish grade into
[illegible] white [illegible] TYPICAL
U.M. S.S. [illegible] PARTS
WATER [illegible] zone of
L.M.

L.M. 25'
U.M. 20 To Top of Cliff

NE, NE, Sec 24, T 14 2N, R 8W.

4 13 -

For [illegible] f.d. [illegible] on slope

G V

7.5 Covered INTERVAL.
CONTACT BETWEEN F.V.-G.V. IS IN THIS INTERVAL BUT IS COVERED IN a grass bench. However it is probably a [illegible] relationship [illegible] at base [illegible] channel [illegible]

7.8 ~~very fiss~~

7.8 Very [illegible], Thin [illegible] sh. Bearing some [illegible] [illegible] a+b wood [illegible]
Wh. Color 5 6/1
Silty at 8.3

8.5 F.g. micaceous, 2.5 10YR 7/2, channel bedded lenticular [illegible] with some [illegible]

V

11 Color 10 YR 7/2

Some [illegible]

12 Color [illegible]

Thin [illegible]

5YR 5/4 [illegible]

13 [illegible]

[illegible] → AT [illegible]

A-13-2

V

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

15.8. SYB. [illegible]

Slope [illegible] 12-25

IV-7

17.4. SYB [illegible], tissue [illegible]

[illegible] SYP fr AGS in

slope wash.

[illegible] 17.5. [illegible]

24 do 20.5

26. [illegible] CLAY

[illegible] N 9 [illegible]

[illegible]

V

A-13-2

[illegible] HS

[illegible] some patches of fresh [illegible] this stained surface

33 f, g. SA, MIC. ABT 2% [illegible]
10YR 8/2 SS.
Aggre[illegible] [illegible] [illegible]
[illegible] phs. [illegible] [illegible] Thru
There are [illegible] in LT.

36 Vfg [illegible] SS
with [illegible] [illegible]
some [illegible] Sands
color [illegible], with some
[illegible] [illegible] in SPA

37, 8 SITST [illegible] 36
whole orange unit has
limonite [illegible] [illegible] crust
fillings of [illegible] joint
planes.

40D MIC, [illegible] SITST.
N-9.5-N17 [illegible]

42, to 48,2 EXC. EXT. [illegible]
STAINED [illegible] LIMON[illegible]

V

wh [illegible] Upper 43 - 45
[illegible]

23 [illegible]
MIN ACCOUS [illegible]

44.7 SYCIP [illegible]
Upper member.

45, 51 [illegible]
[illegible] AB.1.4
Non [illegible]
few poor [illegible]
SAUNIA [illegible]
[illegible]
Color 5Y6/1

wh. color of [illegible] 45, 5
[illegible] 5Y7/2

[illegible]
[illegible] 4" [illegible]
[illegible] but not [illegible]
[illegible]
UNIT SHOWS [illegible]
[illegible]
Bedding [illegible] AT 45 T 1"

✓

very silty & clay or
siltst at 49.9

50.5 Unit becomes a mic. ...
siltst bedded 1/2 to 1"
one 10YR 6/6 limonite
st siltst, bed with
gyp nodules at
51.9

Lim layer
51.6 lim. if layer

52.8 siltst do 50.5
10YR 7/2
siltst of this unit
~~has~~ is calcareous

54 54. vf. unit is very
well bedded clayey
thin bedded 1/4" calc
ss. 10YR 8/2
56 Less well bedded
than do. 52.
10YR 8/2

✓

5615 Ledge of [illegible]
Are [illegible] laminated
[illegible] well
[illegible]
55, [illegible] laminations are
herring bone [illegible]
mica [illegible] fig 55

Wh. Color [illegible]
[illegible]

Above 5615 [illegible] x [illegible]
laminations

[illegible] very [illegible]
[illegible] well and [illegible]
edges of [illegible]
[illegible]

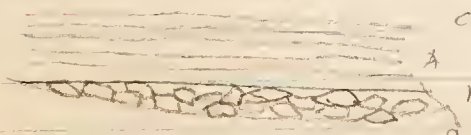
5617 [illegible]

[illegible]

About 4" Thick becomes
lates [illegible] out
[illegible]

[illegible]
[illegible] indurated sig
mic [illegible], calc ss.
becomes [illegible] and [illegible]
wh. color 10YR 8/2

67 [illegible] channel of
[illegible] ss [illegible]
[illegible] well [illegible]
water [illegible] There is a
2" point of [illegible]
[illegible] slips [illegible] Bed in
[illegible] of the [illegible]
below which is partly
[illegible]



collipe

simplix less well inf
UNIT A.

Samp A-B-2-1

V

Sec. A-10-3

[illegible]

[illegible] A-13-2

[illegible]

6' Fort [illegible] per [illegible]
Lower [illegible] G.V
contact obscured
pink [illegible]

7.5 A pseudo SLATE
of silicified SILTS
7.7 MARCELLUS [illegible]
[illegible] top

11' MARCELLUS A black
Chippy sh very [illegible]

11.9 Lywith

12 - Upper [illegible]

6.5 [illegible] SCRAP

12' [illegible] 9.3 [illegible] N.B.

SOME SYR 5/6 STAINING

28. [illegible]

30/ [illegible]

31. [illegible] covered.
[illegible] H-S FLAMI IO

34.5 [illegible]

MINIATURE

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for home and office

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