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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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LOOSE-LEAF FIELD NOTEBOOK

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9-137

H.M. Waage

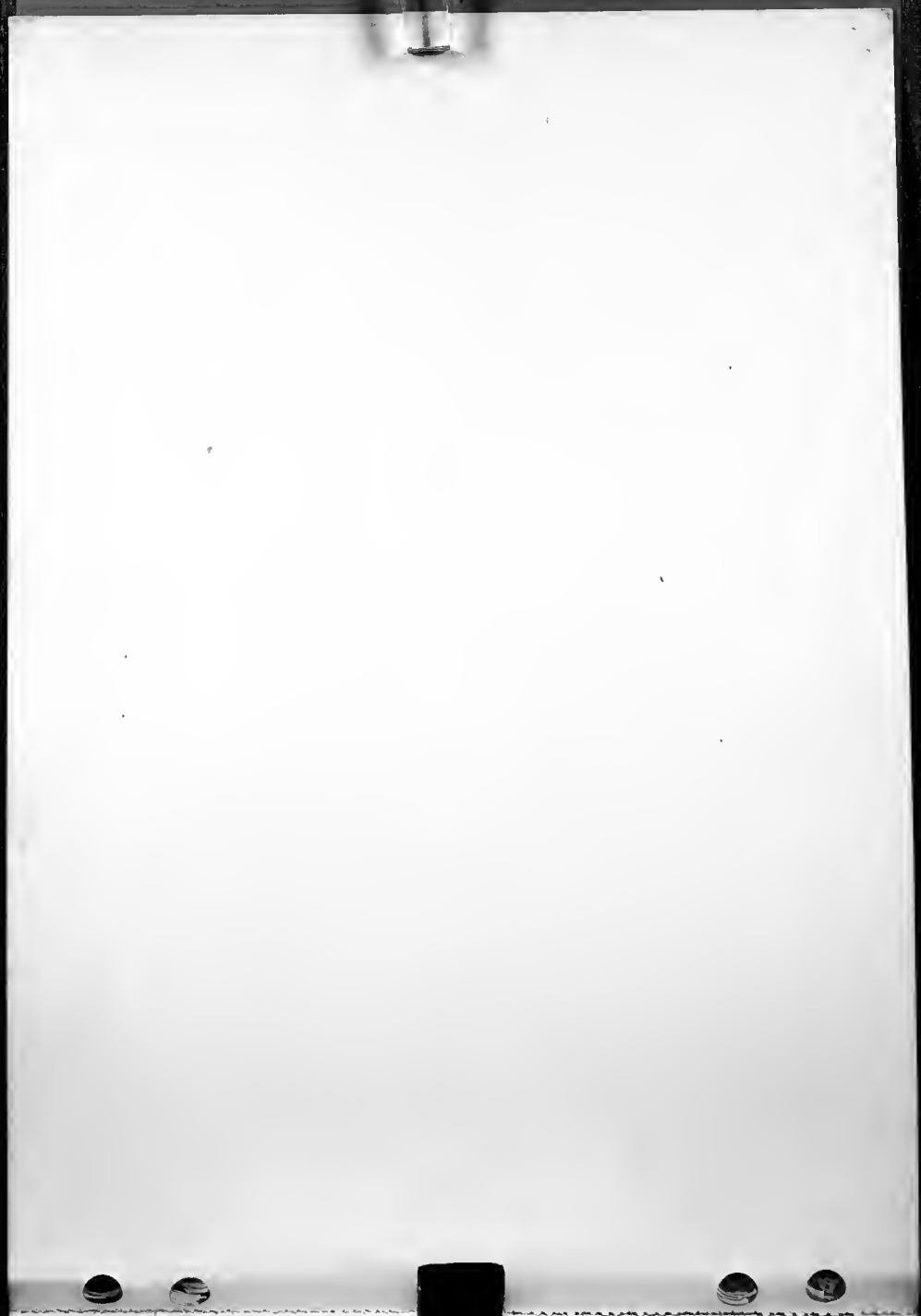


K.M. Waage

Photo AMO 12-53

1. Coal + clay crop. Black shale and coal seam underlain by soft clay with zone of flint clay and silty flint at base.
2. Lower Bakerstown MINE
3. Possible position of Harlem coal. A wet weather seep above the Pittsburgh redbeds.
4. Red + variegated clays of Pittsburgh 'red beds'. Well developed here. May be useful for redbrick locally.
5. Sandstone crop. Saltzburg sandstone
6. Coal crop. Lower Bakerstown coal shows overlying Friendville shales and underlying Thomas clay. Latter thinner than normal.
7. Coal blossom and clay crop. May be Brush Creek outcrop or wash from nearby. Many seeps locally. In woods to NW. a heavy sandstone float comes in. Seeps at 11. may be same seam.
8. Massive sandstone crop.
9. attitude (N. 37° E, 15° NW) on sandy shales + siltstones. Seep to west on bench may indicate coal seam but no direct evidence.

12-53



10. Mozart #3 mine, Upper Freeport coal.
11. Seeps, may indicate Brush Creek coal horizon but no direct evidence.
12. Knot underlain by shales & sandy shales weathering to much ferruginous concretions & shale. Bench at base may indicate position of a coal. No good exposures of the unweathered shale, no limestone or fossils found.
13. Slope below bench mentioned in 12. Basal half as shown chiefly full of float of thin-bedded sandstone (lower Mahoning probably.) Spring and other seeps along bench at foot of slope in vicinity of old farmhouse foundations may indicate trace of Upper Freeport coal. Louis Mozart claims heading from Mozart #3 mine come out in field near this farmhouse but no evidence was found of such an opening.
14. Probable position of Upper Bakerstown coal. No crop in roadway but wet-weather seeps locally present.
15. Ledge of massive med.-to coarse grained ss. just to east at intersection of mountain road and road to abandoned farm there is much fine fragmented flint



Photo AMO 12-53

clay in soil + ditchcrops + mixed with  
dirt in road. This may be the  
Upper Kiltanning clay (as at Laurel Run +  
Mogart Lot 135) with massive  
sandstone the roof-rock. Position  
of clay + presence of coal not indicated  
by outcrop evidence.

AMO - 12-53





AMO 10-126

Mounts - contact across  $2d =$   
4 to 8 ft of clay may be produced in some  
to 5-6 ft.

Mounts are in various - but better to put  
above contact with 2-3 ft of clay







100

100



Measurements at Crantsville.

Surface	0 - 2
Yellow ss	2 - 25
Sooptone	25 - 53
Gray ss	53 - 88
Coal	88 - 90
Sooptone	90 - 115
SS clay	115 - 125
Black slate	125 - 150
Gray sand	150 - 165
Sooptone	165 - 195 (Kelling block)

On 27 - Pa. line block, 34 mi N. Crantsville.

Surface	30
Sooptone	50 - 130
Coal	130 - 135
Sooptone	135 - 170
Black slate	170 - 192 (On coal.)



Don J. Brannaman  
Crisfield, Md. RT #1.

Sandstone crop in Brook cut in  
woods about 100 yards back of  
Brannaman barn.

4' of clay under LB coal. under  
2' dirt, some shells. some part filled  
light sand below clay.

Sandstone under clay -  
N20E ± 140E

A. J. N. - 8

(1) Reddish sandstone 7' H. about  
3' of gray sandstone at top.





DD 75. 4489

1-0<sup>L</sup> surface.  
5-0 sandrock  
3-0 piece iron ore  
1-0 trace of coal  
15-0 sandrock  
1-0 slate  
1-0 trace of coal  
4-0 soft clay sandy  
15-0 sandrock  
4-0 dark slate  
1-0 trace of coal  
3-0 slate  
5-0 sandrock  
1-0 trace of coal  
3-0 slate  
5-0 sandrock  
2-0 slate  
2-0 coal  
5-0 soft clay sandy  
5-0 slate  
15-0 sandrock  
95'-0'

Paul Stanton, property.

Traverse Co.

Mr. John Heas

Mr. Bert B. Johnson

General Reporting  
West Chester, Pa.



10. 10. 1948

1000  
1000  
1000  
1000

Upper Tertiary

1000  
1000  
1000  
1000

1000





Pleasant Valley #1

3 1/2' soft clay or comp.

To contact secondary  
Cretaceous 1/2 to 2' of siltstone - which to  
silty shaly, light gray,  
and some dark sandstone 1/2' - 1' in thickness

S 57 W, 7000 W

See section page

Pleasant Valley #2

3' + Flint & siliceous claystone  
of UK clay.

about 25' fine grained

silty sandstone 6" to 1'  
Very soft dark to light gray 1/2 - 1'  
Silty claystone & sandstone 2' -

Pleasant Valley #3

Loose, to bottom mudstone

6' Crap clay - more or less

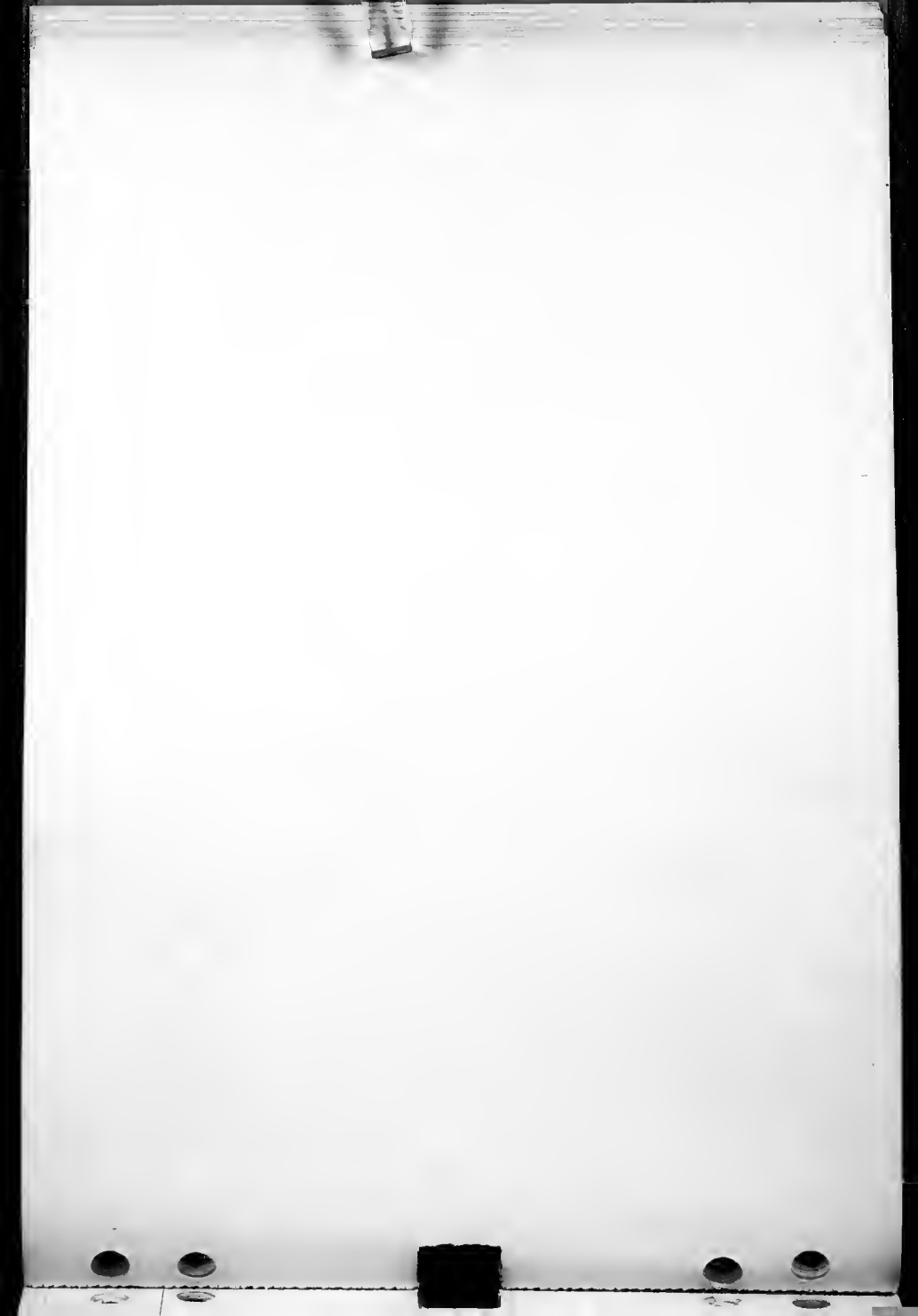
to some shale or clay



UMCO Slipping

N 37° E 7° SE

Sample 2 1/2' flint clay





AMO-10-28

(See Swartz report)

Shade #1 - Hersker.

SS

6' draw state

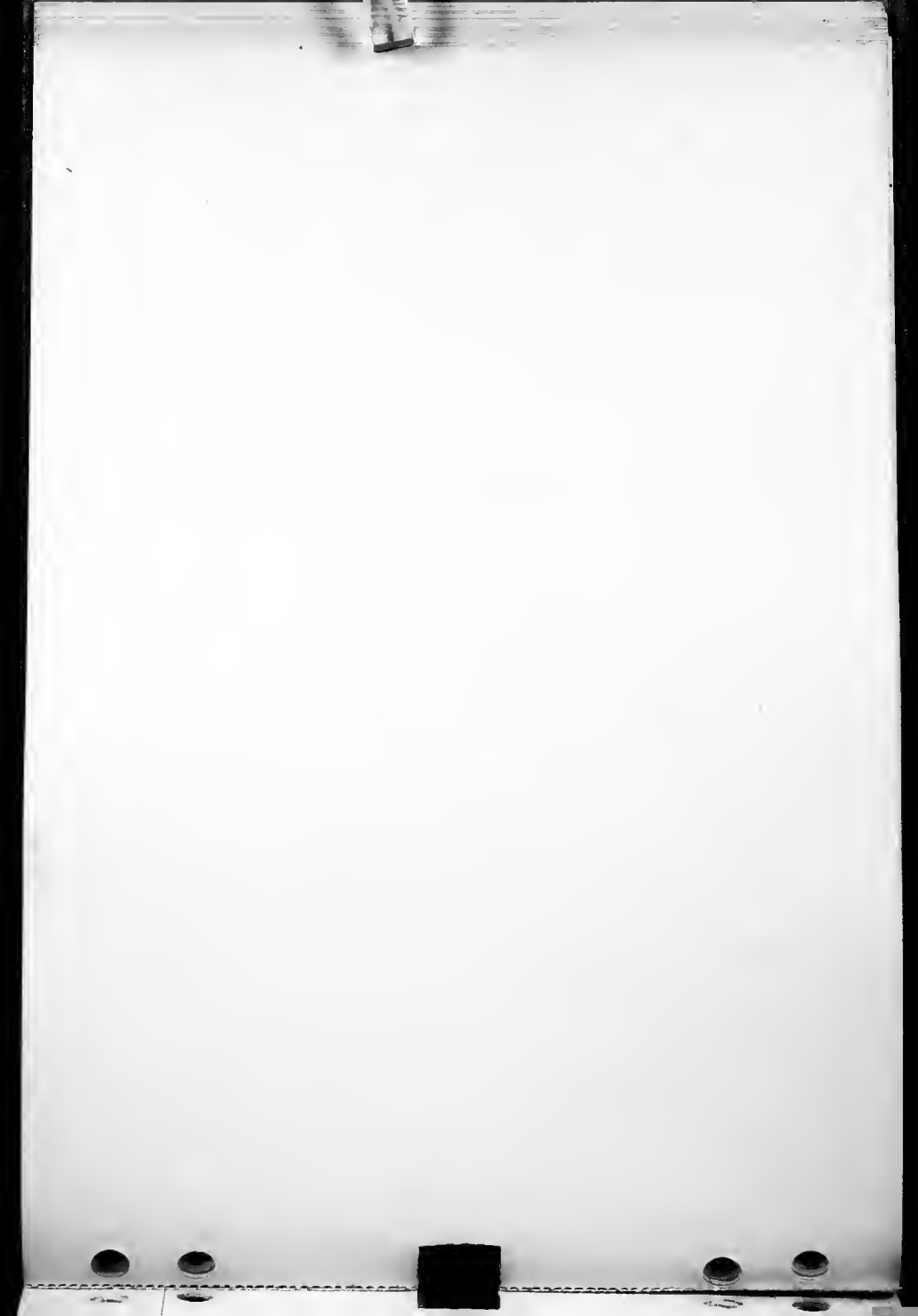
23-24' coal

1" shale

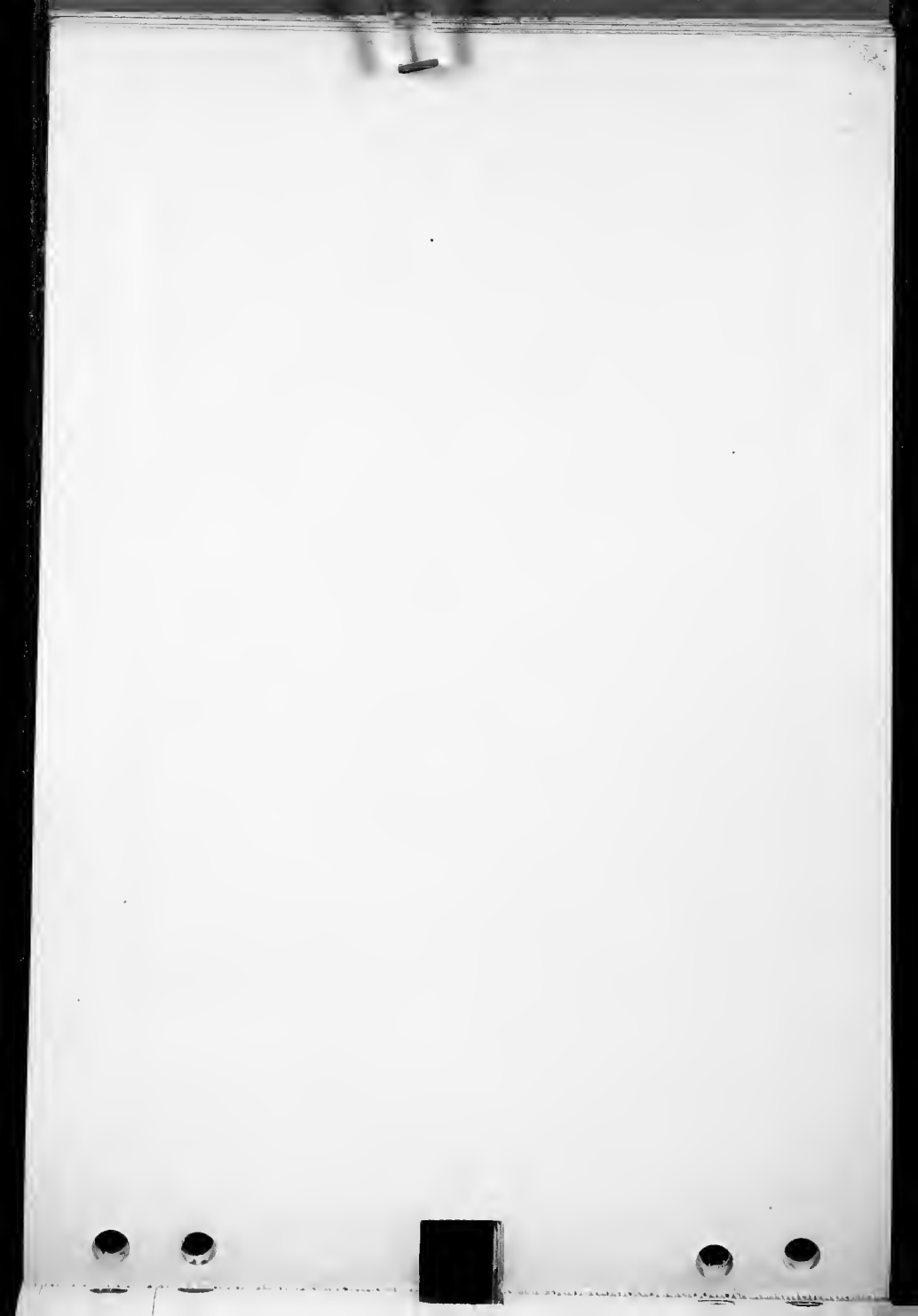
2-4" Bon. coal.

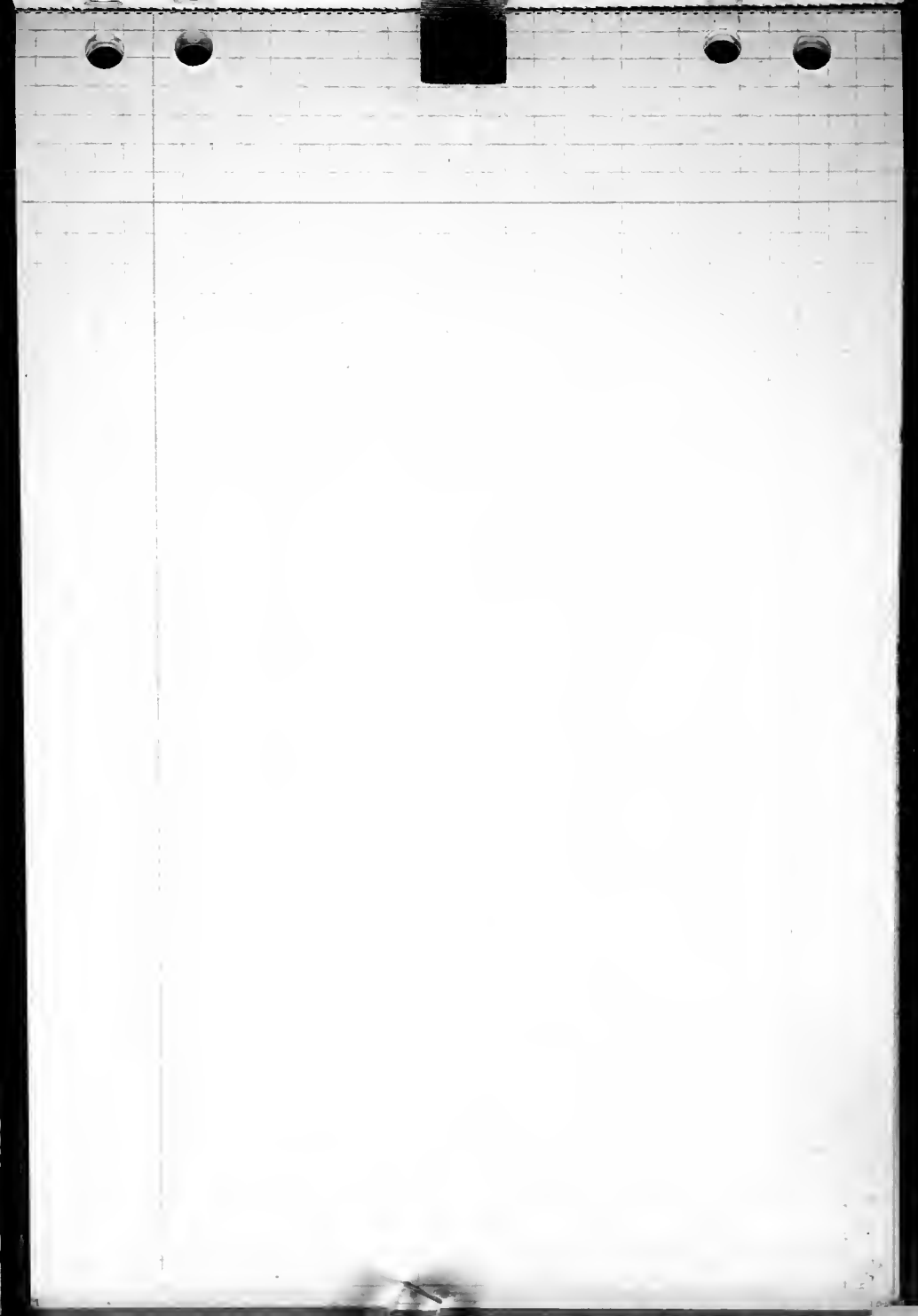
Hard sandy, layers 1 to 12'

Thin, probably micaceous.











Thomas Clay —

Within mine of Alleg. Coal. Corp.  
Allegheny #1 mine, mi so Jennings,  
450 feet from nearest crop.

Sample #1 Upper 3' of clay.

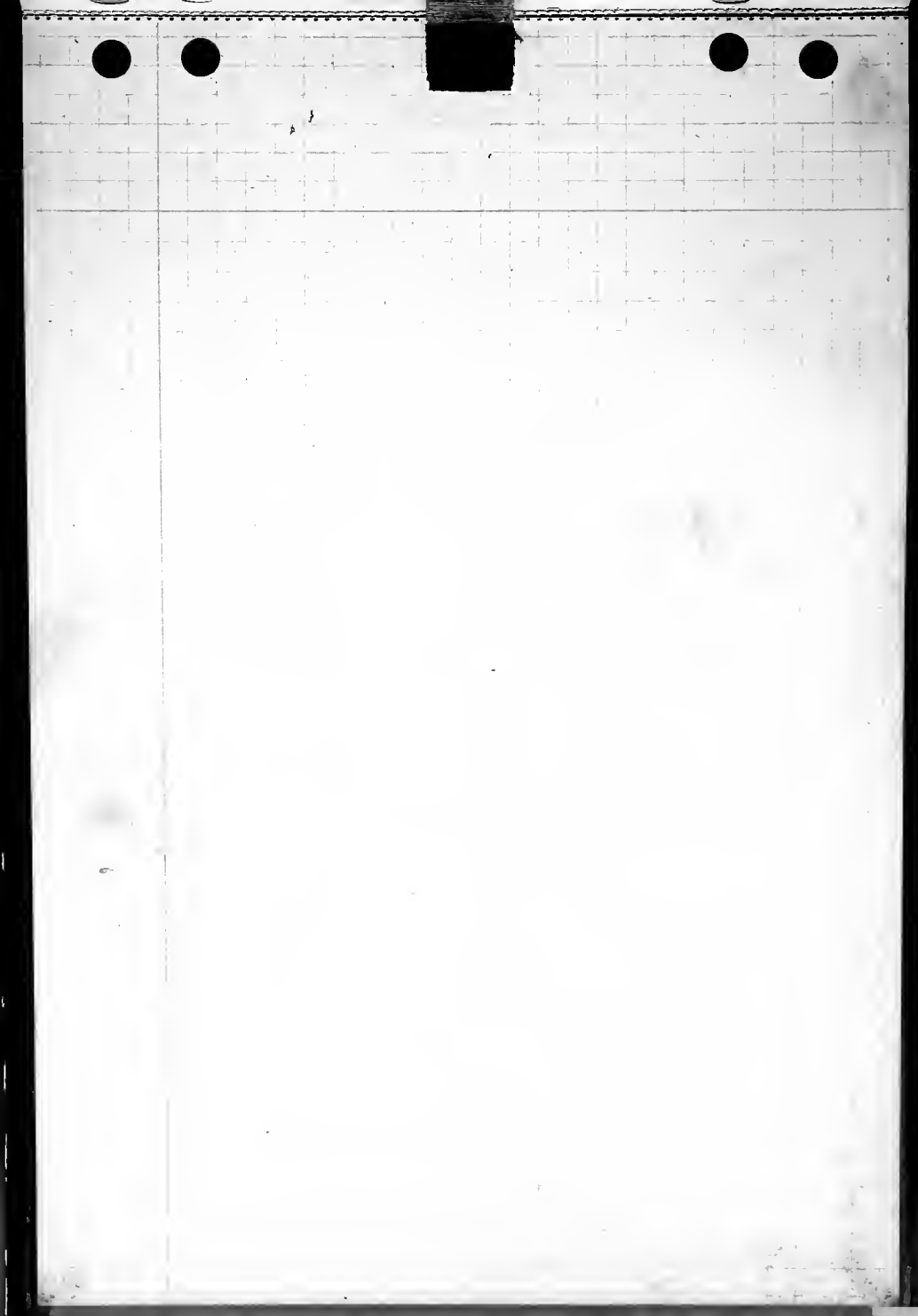
Hard gray slickensided finely  
silty pyrite nodules.

Peter Van Heinegan 6-5135  
Park Service.

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Similar





Connet Co. —

See also T property maps  
U P A memo map.

Mr Brown — Hill street — driller.

1 qt 20. oil

