

doc. 512

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Book 2.

Casselman Basin Field Notes

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100
100
100



Casselman map

Part 2 ($S\frac{1}{2}$ Auliton, $S\frac{1}{2}$ Grantsville
& SE cor. $S\frac{1}{2}$ Accident $7\frac{1}{2}$ ' Quads)

Station 144 (cont)-



144 (cont. from BK-1)

M-4 went 60' before reaching the 48" coal

Apparently M-1 + M-2 in same seam. Mck thinks it is upper (topog.) coal stripped in Yoder Stone House stripping, says it has the 2' clay on top of it. No reason to disagree.

M-3 and M-4 48" coal is the ~~Upper Freeport~~. Reason to suspect Mck. figure on thickness as Q. Singewald section of Boucher Mine shows 33" with 2" shale binder separating off lower 5".

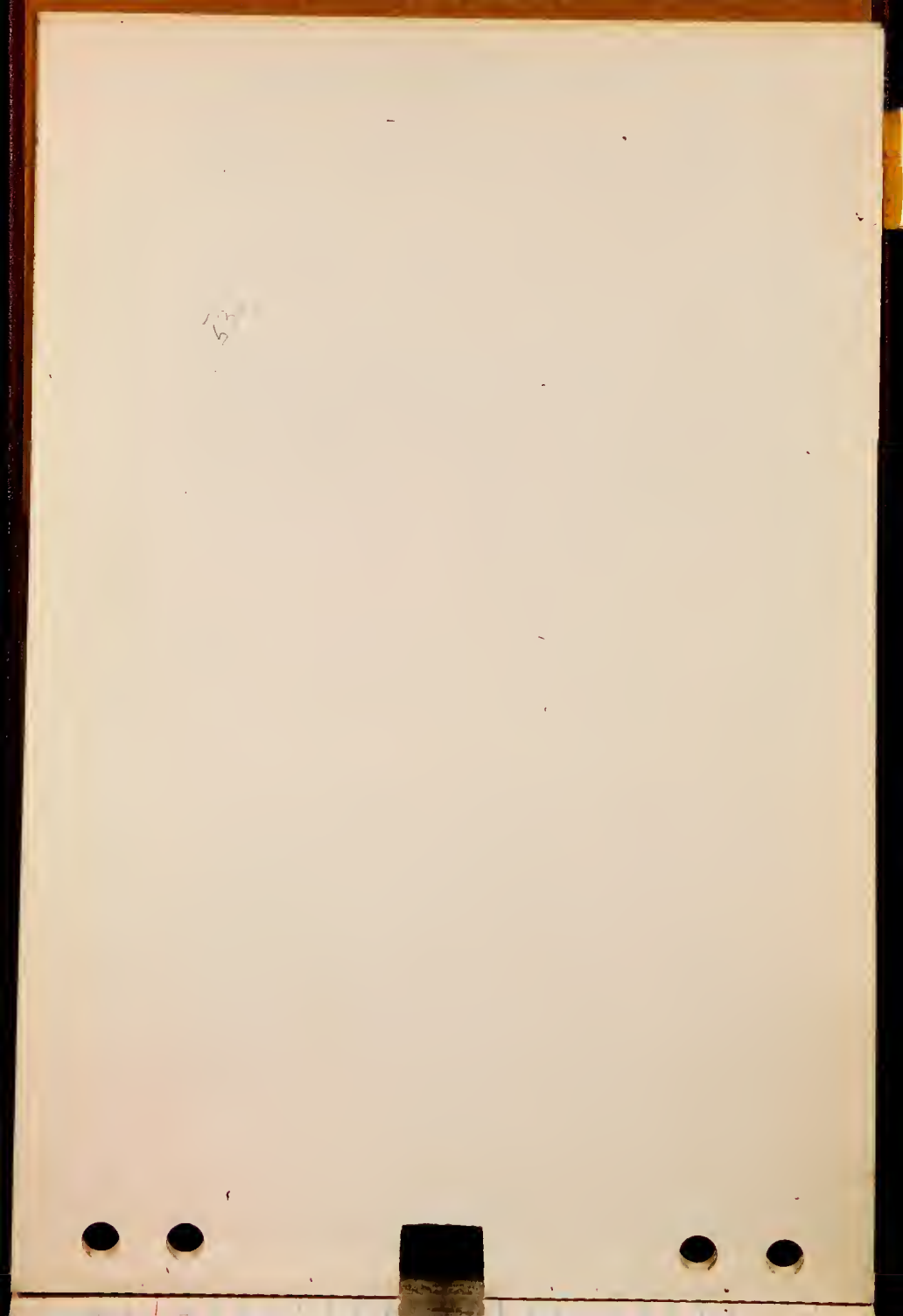
MISSING

145. (3) Old mine opening showing dump of shale on old logging road. Adit about 60' or more N 74. E of dump at road. Coal mined up dip

Mathias of UEB. Co. put pit down at entry, one to N of entry and a trench in off the road just south of the dump. Latter shows 1/2' flint clay in bottom near road. Appears to be in place. No flint hit in other holes. Coal exposed in pit at entry - see section. ~~Coal section and presence of flint suggest Mt. Savage clay, but -~~ The coal mined is top bed Mid Kitt, the clay is Mid Kitt clay + second coal either very thin here or absent.

146. Coal crop in cut above river. Following section measured

	Ft.	In.
Gray to black shale	-	at least 12 feet.
Coal		13
Black shaley claystone		6
Silty claystone grading to siltstone	3	6
Obscured (prob. siltstone)		2.



146 (cont.)

	Ft.	In.
Platey sandstone	3	
Light to dark gray silty shale and shaley claystone	12	
Siltstone - dark gray		8
Black fissile shale	3	6
Coal (local) streak		1
Stabby siltstone.		at river level.

Above coal section obscured. Bank of shales over coal passes upward into interbedded ss & dark silty clstn. Above this covered completely & at least 20' to end (vertical) of strip where mass of ferruginous clay with ss etc. Coal is probably Brookville.

✓ 147

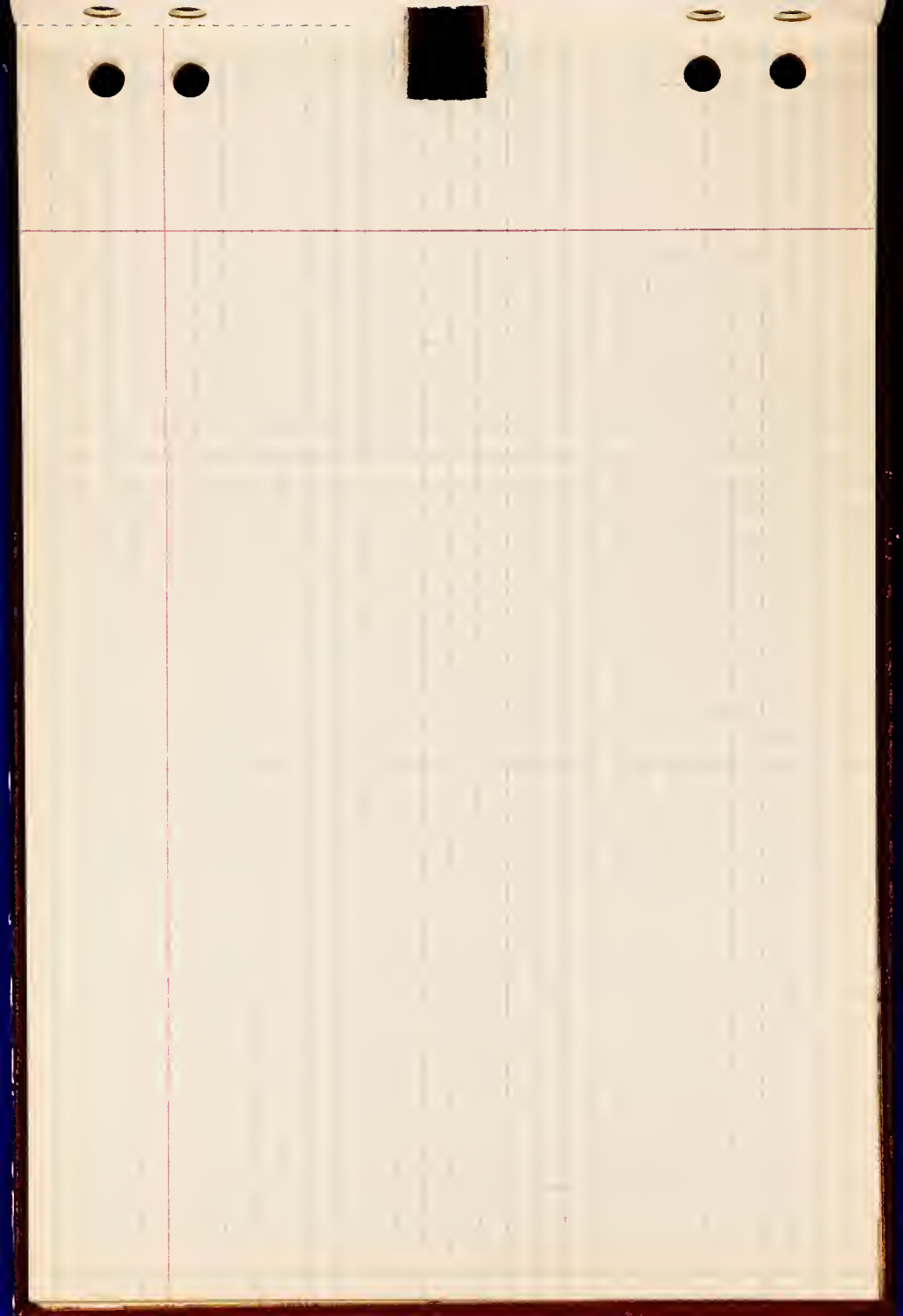
Caved and abandoned opening made by Ernest Bowser. Heading N55°E.

✓ 148

Abandoned and caved opening of Ernest Bowser. 14" coal reported by Wilbur Bowser. Three adjacent openings also caved and abandoned. Black shale with marine fossils on dump. Heading N 47 E. (QS #71)

144





100-1B
6
100

- 0-8 Overburden
- 29-3 Medium gr. cross laminated ss
- 32-3 Coarse ss, cgl zones in lower part.
- 34 Silty gray siltstone
- 40-5 Coarse, cross laminated ss locally siltstone
- 42 Fine, shaly, micaceous silty gray siltstone + argillaceous ss
- 45-6 Organic carbon ss
- 67-5 Black shale - micaceous
- 68-7 Coal
- 88-6 Gray clay + claystone, honey pitted (zone around 100-3 to 100-3)
- 100-7 Silty to sandy claystone, micaceous fine ss
- 106-11 Fine ss + siltstone
- 111-7 Greenish to black with micaceous micaceous
- 129-6 Greenish to black micaceous, silty, sandy siltstone (Black ss at 125-4 to 126-1)
- 135-5 Fine sandstone, claystone zone
- 144-9 Silty to micaceous, sandy, micaceous part
- 146-4 Coal
- 153-7 M. shaly + micaceous clay, micaceous
- 164-1 Laminated gray claystone, micaceous
- 174-3 Gray silty claystone, grading to siltstone
- 185-4 Gray to black shaly siltstone
- 188-2 Lower part with pyrite + ls concretions
- Coal
- 195-6 Light to dark gray clay, micaceous
- 202-8 Argillaceous siltstone + fine ss
- 209-5 Silty shale, claystone, honey pitted
- 222-5 Gray + coal + clay + siltstone + argillaceous sandstone + siltstone
- 246-10 Green silty shale
- 248-10 Dark gray shale

429-7 $\frac{1}{2}$ = B. ...
431-~~1~~ $\frac{1}{2}$ = B. ...

Black clay
siltstone
shales
unstable
areas
laterally
get where
mixed clay
(10/11/55)
gl. clay

- 257 Gray to greenish clay & claystone, sandy pellets
- 279-7 Gray argillaceous sandstone
- 285 Sandy shale
- 312-9 Purple fine grained shale, silty at top
- 313-7 Coal
- 317-4 Fine calcareous ss, argillaceous lower part
- 28 Gray to reddish clay, sandy at base
- 336-8 Fine argillaceous ss
- 351-3 Green claystone up to 2' thick, shaly
- 334-3 Fragile shaly limestone
- 365 Gray greenish clay & claystone
- 375-8 Coarse shaly clay & limestone, shaly
- 396-6 Sandstone
- 403-4 Gray claystone
- 412-9 Dark gray shale
- 412-2 Interbedded to micaceous dk sh & ss.
- 421-1 coal
- 424-7 micaceous stone limestone part
- 453 Limestone ss.
- 447-3 Green to black micaceous clay shale & shaly
- 454-9 Fine argill ss
- 467 micaceous clay sandy siltstone zone ss
- 400 Fine argill ss
- 516 sandstone
- 525-3 coarse to fine ss
- 529-8 argill.
- 539- micaceous shaly clay, sandy part
- 540-4 micaceous ss
- 557-7 argillaceous green shaly shale
- 573-11 micaceous shaly ss

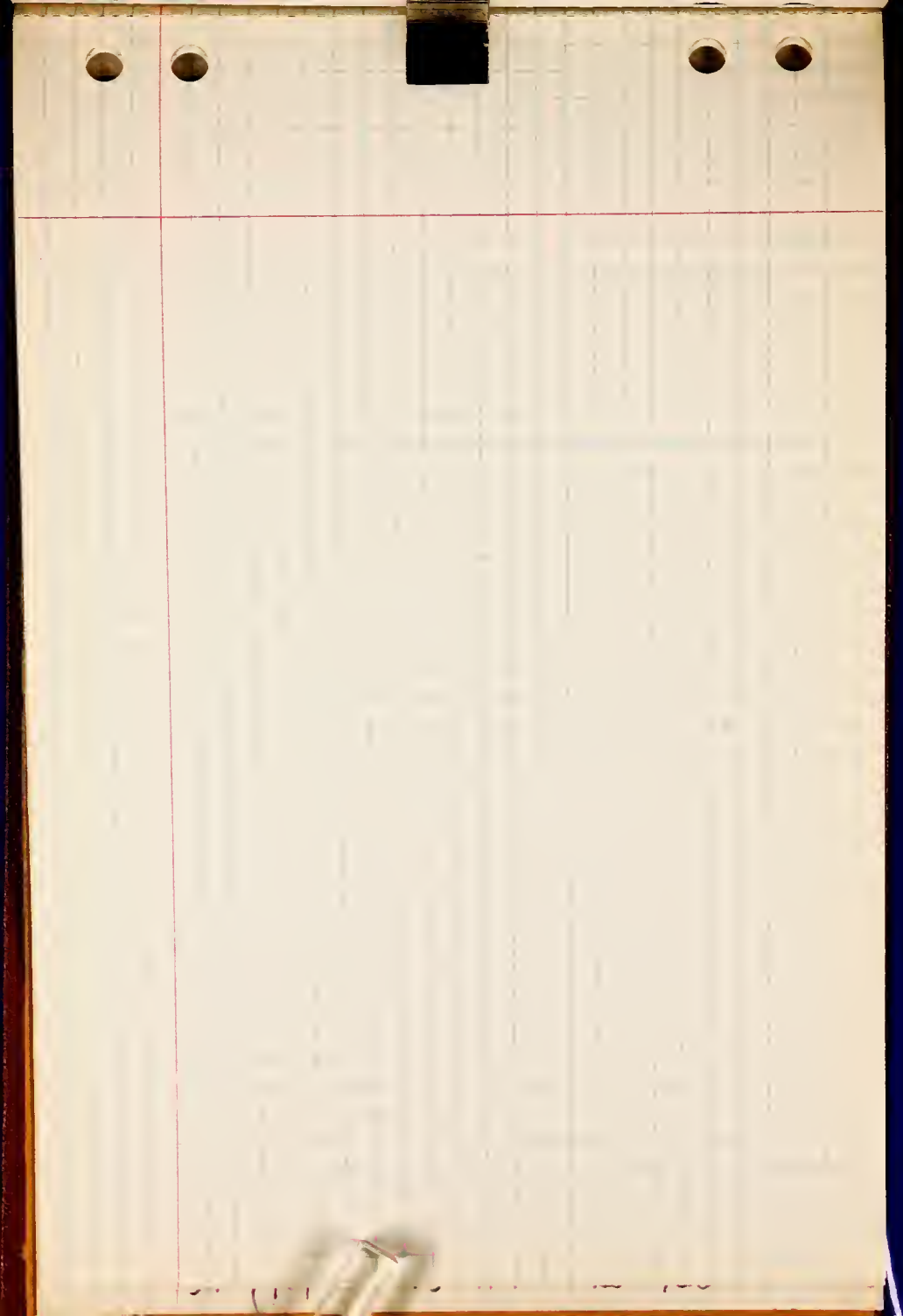


- 575-7 Coal
- 581-6 Fine argill. ss
- 585 Dk gray sands sbr
- 586-5 Coal
- 592-5 dark sil. sbr & sh
- 599 dark lam. gray sh & ss
- 601-4 Coal
- 603-3 impure brown sh & ss (20 ft)
- 605-6 gl. sh & shaly ss
- 613-2 dk gray sh & sh, thin bedded
- 616-2 Coal
- 618 Sandy argill. sh & shaly
- 618-8 ss & shaly
- 620-6 Sandy shaly sh & ss coal
- 621-7 ss & shaly
- 622-10 Sandy shaly sh
- 623-6 sh.
- 624-8 sh.
- 625 Sandy sh
- 625-8 Silty sh & shaly
- 633. Fine gl. sh & shaly ss











L

111	108
112	12
113	11
114	10
115	9
116	8
117	6
118	
119	2
120	3
121	4
122	5
123	18
124	
125	
126	
127	
128	
129	109
130	19
131	
132	
133	
134	
135	104
136	125
137	121
138	147
139	1
140	124



L	K	L	L
1			74
2		38	75 118
3		39	76
4		40	77 122
5		41	78 105
6	7	42	79 126
7	5	43	80 65
8	4	44	81 62
9	2	45	82 60
10	3	46	83 61
11	16	47	84 63
12	15	48	85 63
13		49	86 58
14	17	50	87 57
15	59	51	88 21
16	58	52	89 22
17	1	53	90 83
18		54	91 82
19	6	55	92 79
20	10	56	93 81
21	11	57	94 80
22	8+9	58	95 91
23	32	59	96 92
24	31	60	97 94
25	136	61	98 103
26	12	62	99 74
27	56	63	100 89
28	87	64	101 77
29	86	65	102 76
30	87	66	103 75
31	29	67	104 72
32	75	68	105 17
33	73	69	106 16
34	86	70	107 15
35	36	71	108 107
36	41	72	109 14
37	114	73	110 106





