Idaho, Coeur d'Alene Dist.. No. 480 Sept-Oct 1917

Leith, C. K. (Charles Kenneth), 1875-1956
[s.l.]: [s.n.], Sept-Oct 1917

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FIELD SECTION BOOK

Notebook 480.

C. K. Leith
Coeur d'Alene Sept - Oct 1917
Star-Federal Case

S. T. R.

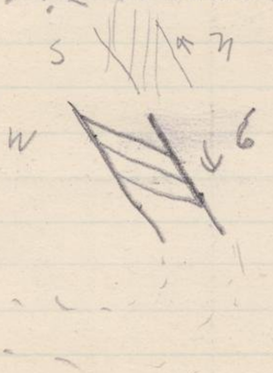
74,908

[illegible] 19. [illegible] 6 [illegible]
[illegible]

4000' [illegible] 4000' [illegible] 70W [illegible] 13° [illegible] Wellman [illegible]
[illegible]
6000' [illegible] 35°W. [illegible] 82°SW

8000 [illegible] +5 [illegible]
[illegible]
[illegible]

9500 20' [illegible]
[illegible] 35°W 70° [illegible] 60W. 2.
[illegible] 25°
[illegible] 23. 15°.



6th [illegible] '800' [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

② [illegible]

[illegible]

③ [illegible]

④ [illegible]

[illegible]

[illegible]

[illegible]

1000 [illegible] STR. Rueff
[illegible] STR [illegible]
[illegible]
[illegible]
[illegible] Rueff [illegible]
[illegible]

[illegible]

[illegible]

1450 [illegible]

[illegible]

Cunninghame or Upper Stem

[illegible]

Iron Crown [illegible] 36 [illegible]

Mary R. [illegible]

Upper Grouse. [illegible]

Intermediate [illegible] 150 [illegible] 35° [illegible]

(7)

Surface

Gen'l [illegible]

1st [illegible]

2nd [illegible]

(3d) [illegible]

(4) [illegible]

(5) [illegible]

Lower Gower

[illegible]

No 4. 4½ + 5 [illegible]
4 [illegible]
4½ [illegible]

Rained 4½ - 5 [illegible]
4½ [illegible]
[illegible] 1 [illegible]

A [illegible] 4 [illegible]

[illegible]

[illegible] ~~[illegible]~~ [illegible]

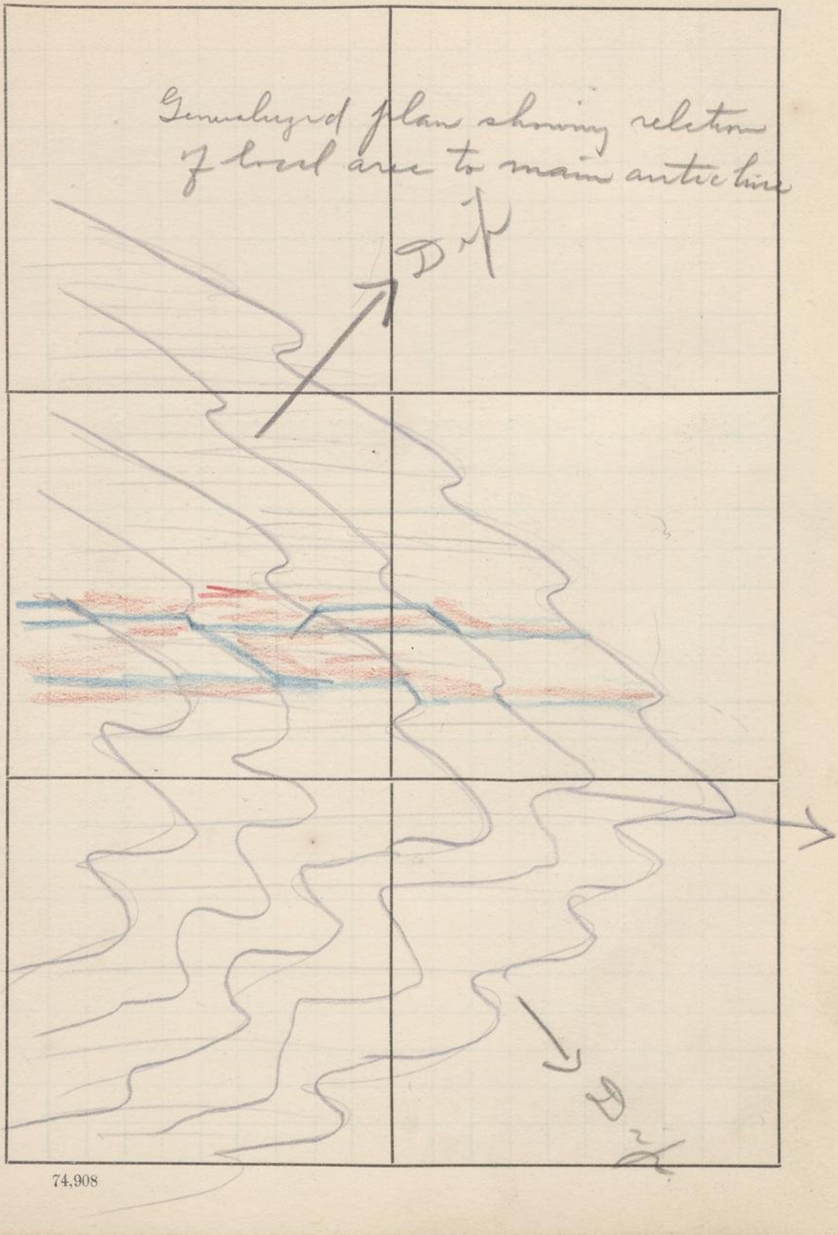
① [illegible]

② [illegible] 800 [illegible]
[illegible] 15d

[illegible]

[illegible]

S. T. R.


Generalized plan showing relation of local area to main anticline

[illegible] St R [illegible]

[illegible]

[illegible] NW [illegible]

[illegible] St R [illegible]

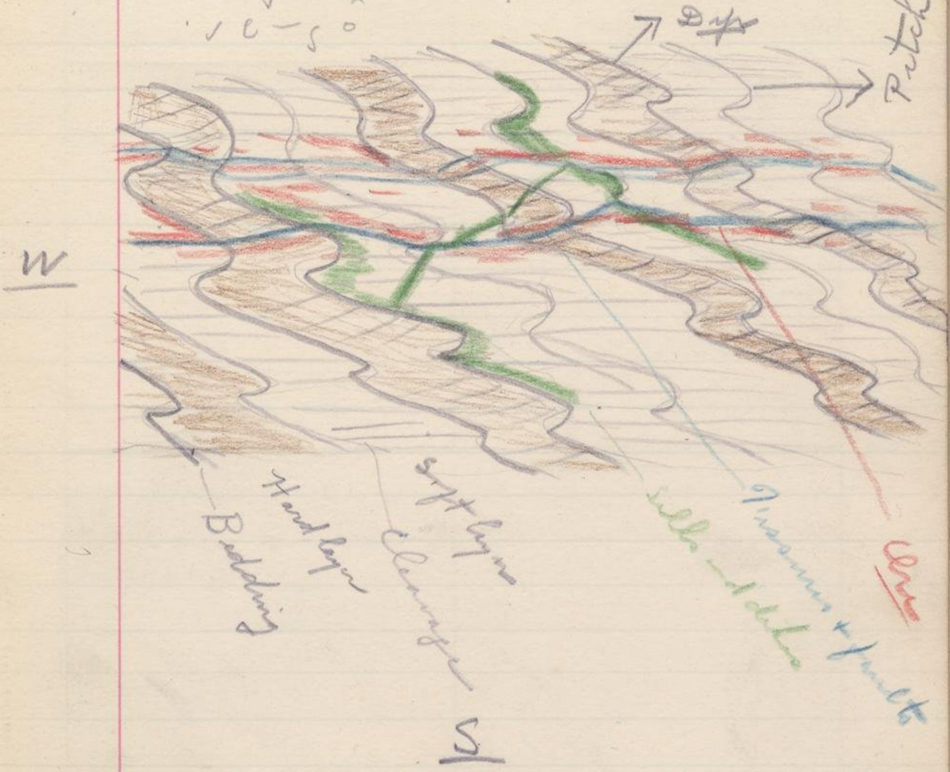
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]


Dip
Pitch
W
Bedding
Hard layer
Soft layer
Cleavage
Sills and dikes
Fissures + faults
Ore
S

[illegible]

[illegible]

[illegible]

[illegible] 75 [illegible] 200 [illegible]
1,800 [illegible]
[illegible]
75 [illegible] 25
[illegible] 75 [illegible] 00 [illegible]
[illegible]

S. T. R.

[illegible]

[illegible] 800 [illegible] 75 [illegible]

[illegible] 4+5 [illegible]

[illegible] Cunningham Mary R

Evening Standard [illegible]

[illegible] sprayed [illegible]

[illegible] (tortuous) [illegible]

[illegible]

[illegible] th [illegible]

[illegible]

[illegible]

[illegible] Cunningham Mary R + Living Stone Tunnels

[illegible] 4

[illegible] 5 [illegible]

[illegible] 800 + 1450 [illegible]

[illegible]

[illegible] 5th

[illegible] 1600 [illegible]

[illegible]

[illegible] 1600 1 [illegible] 800

[illegible] A) 1 [illegible] 1400 1 [illegible] 16th

[illegible] 30 [illegible]

Specimens showing relations of lead-zinc-silver veins to dikes in Star Mine, Coeur d' Alene district, Idaho. Collected by C. K. Leith, September-October, 1917.

U.W Nos.

18961 Dike. Coarsely crystalline feldspar and hornblende in fine grain matrix containing little quartz. Ophitic texture.

18962 Dike showing replacement of ore.

18962a. Dike. Showing contact with sphalerite. Sphalerite yellow in center and toward contact becomes black, probably due to increase in iron. Directly at contact a narrow rim of pyrite. Irregular isolated masses of dark sphalerite near contact are entirely included in diabase.

18962b. Ore in sharp contact with dike with distinct band of pyrite between dark colored marginal phase and diabase. Shows up especially well in polished surface. Note also pyrite in diabase.

18963. Sphalerite and dark hornblende associated with dike. Under the microscope a distinct banding of sphalerite carbonate and dark granular masses which probably are the dark sphalerite. Also distinct bands of nearly colorless epidote.

18963a. Sphalerite with dark margin associated with greenish mineral, probably hornblende.

18963a. Sphalerite with the dark margins including and closely associated with a green mineral, probably hornblende. The sphalerite occurs in bands and irregular shots in a matrix which seems to be the typical diabase. Note also bands of quartz which seem to be vein quartz.

18963b. Principally the greenish yellow hornstone material. Consists of very fine hornblende or pyroxene with bands of chalcedonic quartz containing some dark mineral which may be sphalerite, pyrite, or magnetite, The characteristic feature is bands of finely granular material looking like colorless epidote with almost no feldspar or quartz.

18963b. The same, but principally ore in matrix which seems to be green hornblende. Oreis finely granular form not easy to distinguish from some dark green silicate-epidote.

18964. Slickensided surface on lead, zinc, silver ore from Coeur d' Alene District.

[illegible]

1650 [illegible]

1450 [illegible] 125 [illegible]
[illegible]
[illegible]
[illegible]

1050 [illegible]
[illegible]

800 [illegible]
[illegible]
[illegible]
[illegible]

[illegible] 75 [illegible] 15 [illegible]
[illegible]

Bainbridge. [illegible] 10' 6-8' [illegible]
[illegible] 6' 4' [illegible] 18 [illegible]

72 [illegible] 100' [illegible] 12-24 [illegible]
4'5 [illegible]

[illegible]

74 [illegible] 10" [illegible] 5 [illegible]
5 [illegible]

[illegible] 300' [illegible] 3-4 [illegible] 10-12 [illegible]
[illegible] 200' [illegible] 4'5 [illegible]
[illegible] 200' [illegible]

[illegible] 27' [illegible] 15-18 [illegible] 4-5' [illegible]
[illegible] 30' [illegible] W. [illegible]

75 [illegible] 4' [illegible] 18" 2' [illegible] 8-9 [illegible]
[illegible] 2'3 [illegible]

76 [illegible]

[illegible] 75° 80° [illegible] 2 [illegible] 70° W.

[illegible]

15 [illegible] 10-12 [illegible]
[illegible]

A [illegible] 25 [illegible] 30' [illegible]
[illegible]

[illegible] A [illegible] 4 [illegible]

[illegible] 4 [illegible] A [illegible]

[illegible] 4 [illegible] 30' [illegible]

[illegible] 4½ [illegible] + [illegible]

[illegible] 15 (4½ [illegible] 5) [illegible] + [illegible]

[illegible] 15 [illegible] 15 [illegible]
[illegible] 3' [illegible]
[illegible]
[illegible]

[illegible] 15 + [illegible] 800 [illegible] A [illegible] 1800' [illegible]
55
[illegible]
1 + [illegible] 3' 4' [illegible] 300' [illegible]

[illegible] 15 − [illegible]

[illegible] 40 − 50' [illegible]
[illegible]
[illegible] 5 [illegible] 800,000 [illegible] 30 [illegible]
= 6 ÷ 1

[illegible]

[illegible] 20-110' [illegible]

[illegible]

[illegible]

[illegible] 20

[illegible]

[illegible]

20 [illegible]

[illegible] 20 110' [illegible]

[illegible] 30-1

Boxall×

[illegible]

[illegible]

1st [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

14. [illegible]
[illegible] 30' [illegible]
[illegible]

14 [illegible]
[illegible]

[illegible]

[illegible]
[illegible]

[illegible]
[illegible] N 70 W

[illegible]
[illegible]
[illegible]

4½–5 [illegible]

4½ 30' W [illegible] 55 28 [illegible]
[illegible] N 50 W [illegible] 480°

[illegible]
[illegible]

75 [illegible] 50' [illegible]
75 [illegible]

[illegible]

[illegible] 403 [illegible] 26½ [illegible] 18 [illegible]

[illegible]

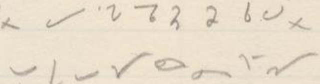
[illegible]

303 [illegible]

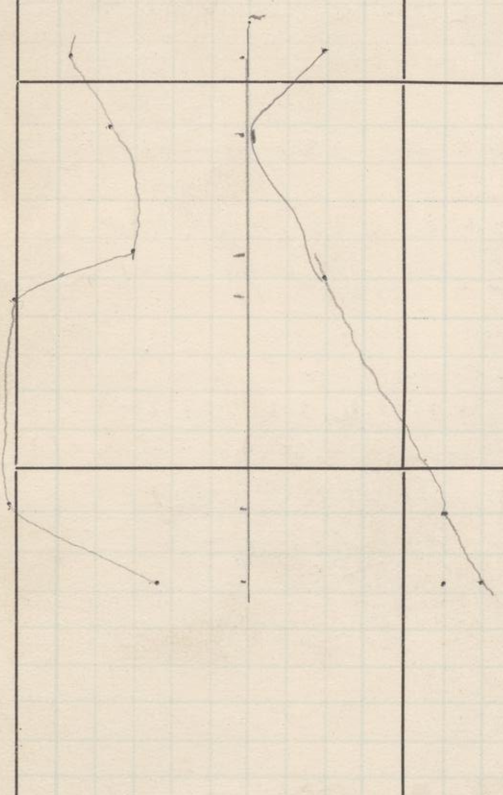
[illegible] 303 [illegible]

[illegible] 15

[illegible]



S. T. R.



5 + cut 5 the ~+

4.8
7.4
6
3.2
1
7
5
3.9
4.9

25.1

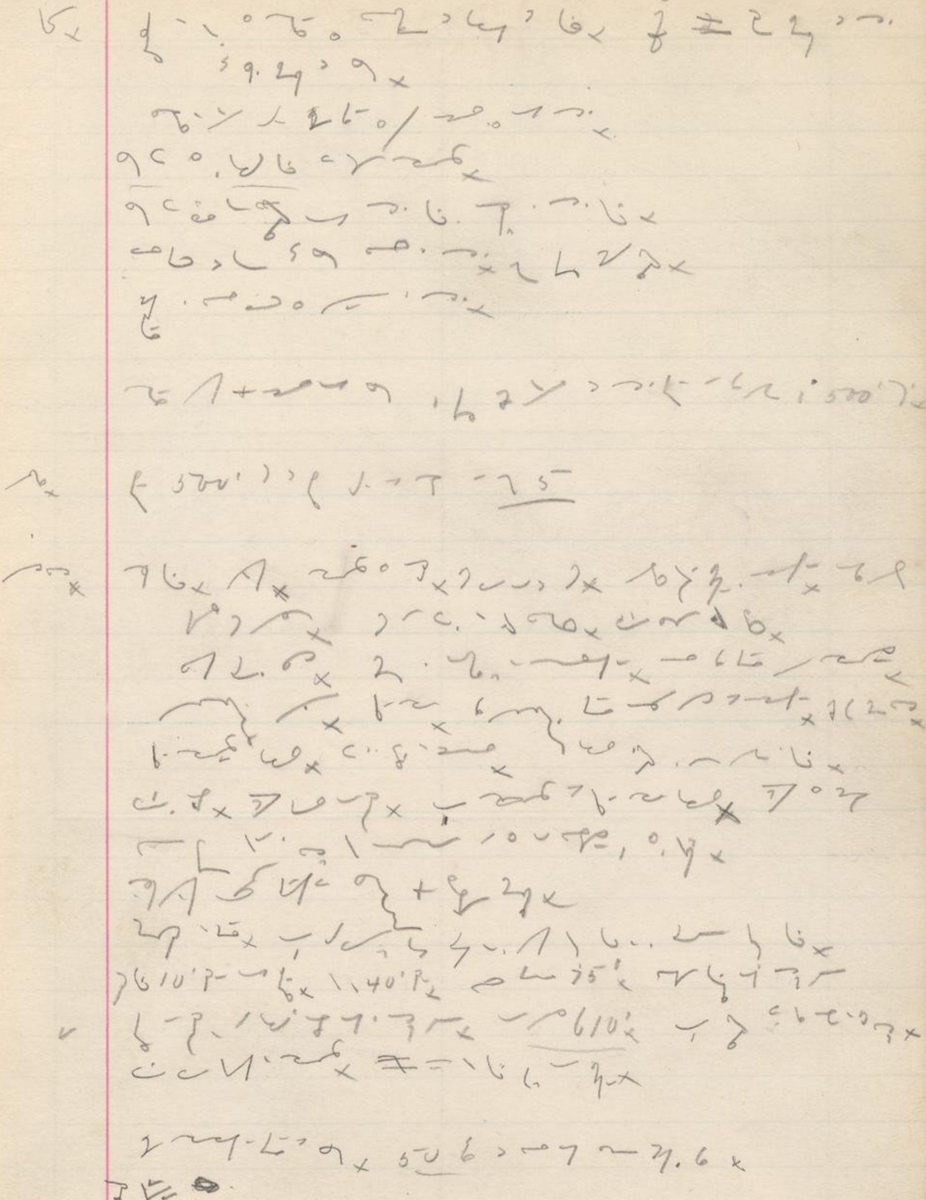
7) 46.8 (37.

37. Av. of the

16% 25/150

7%
16%
1 27. Av. of the

74,908



Specimens collected by C. K. Leith, from Star Tunnel, Couer'. d' Alene District, Idaho, 1917.

UW55000	Ore from vein. Survey points 63 - 235, north wall.
UW55001	Quartz phase of ore. Near raise.
UW55002	Pyrite and quartz vein material. Upper Grouse dump.
UW55003	Quartzite adjacent to vein carrying ore. Southwest Survey Point 53.
UW55004	Oxidized phase of ore. Iron Crown dump.
UW55005	Vein quartz. 50' S. W. Survey Point 53.

[illegible]

① [illegible] St R [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] A [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

? [illegible]

[illegible]

? [illegible] ~~1450~~ [illegible] 800 [illegible]

[illegible]

[illegible] 1450

[illegible]

[illegible]

[illegible]

① [illegible]

~~[illegible]~~

[illegible] Mary R Cunningham [illegible]

[illegible]

fadeaway [illegible]

[illegible]

1st [illegible]

2nd [illegible]

1st [illegible]

2nd [illegible]

[illegible]

[illegible]

[illegible]

~~[illegible]~~

~~[illegible]~~

[illegible]

[illegible]

~~[illegible] 46th [illegible]~~

~~[illegible]~~

[illegible]

~~[illegible]~~

[illegible]

700 [illegible]
400 [illegible]
600 [illegible]
300 [illegible]
200 [illegible]
500

2800

$83\frac{7}{10}$ - 17. $8\frac{1}{2}$

2.6 5.

1 2

166 83-96
17

183.

~~[illegible]~~

~~[illegible]~~

[illegible]

~~[illegible]~~

[illegible]

~~[illegible]~~

[illegible]