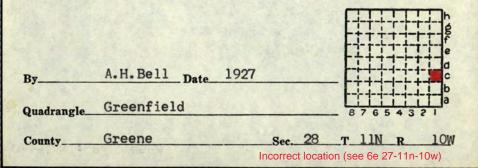
(0828.lc)

September 22, 1927
With Cady and Van Pelt
Poli's mine l¹/₂ miles N. of Greenfield. New shaft
 sunk 1927. Van Pelt took log. Went up small
 tributary flowing S.



0827. 28 September 22, 1927 TT Up second ravine on north of lane - entering pasture to Polis Mine Up ravine first get bed fireclay, gray - overlain by light buff shale 10' (6') thick III IV Up creek 2 mile - altitude by barometer same as top of shaft - probably too high 11 11 Drift 15-201 Up creek 2001 Shale, disturbed by ice Black crystalline limestone 1-2" Sample #1 Greenish gray shale Black fissile shale 2" + Soft shale Coal 9" 214 Gray green sil. shale with hard sandy streak near top Blue gray fireclay, see III agove VII This coal that to be same as outcrop along creek bank near old mines SW. Poli's shaft - + above encountered in shaft. #2 gap P. cora bed at bridge along main road F.V.? d Date 1927 By G.H. Cady C b a Quadrangle_Greenfield 8 7 6 5 3 2 4 Sec. 27 TIIN RIOW County____Greene



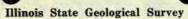
0827. 6c

(G.H. Cady has 0828.3h but corrected location by W.H. Smith to above.) September 22, 1927

Poli's new mine.

Small <u>Chonetes mesolobus</u> (anon. note: <u>euompaqus</u>) found in limestone over the thick coal. Pocket runs NE-SW, about $\frac{1}{2}$ mile wide. (Anon. note: Coal 9' thick $\frac{1}{2}$ " blue band about 20" above bottom. Coal in number of benches. Top coal 18", best middle, not so good, bottom coal better than middle.)

	Cady	Date 1927			
ByG.H.			e d c b		
Quadrangle	Greenfield	Contraction.	87654321		
County	Greene	Sec. 27			



.67bc (0827.22) See map no. 4107 d5.1-195 Sh.35 August 20, 1934. Coal shaft mine 1 1/2 miles north of Greenfield. Information, but not from mine operator.

> Coal reported on average 7-8' thick, in one place was 15' thick. Generally varies somewhat.

Roof is of black slate. Bottom or floor not known.

Depth of shaft is 109 feet.

It is reported that mine map and shaft records have already been received by Survey men. (See files of G.H.Cady)

Abandoned shaft mine upstream from here.

Dump reveals a black hard fissile slate, a black hard dense limestone with some veinlets of calcite; also dark hard concretions. Coal is slaty and rather canneloid.

See notes on traverse in this ravine by H.R.W. 0827.32 - .00 (27-11N-10W-6bc-8a).

By J.Huner,	Jr. Date	1934		
Quadrangle	Greenfield			- 87654321
County	Greene		Sec. 27	T 11N R 10W



FIELD NOTES **Illinois State Geological Survey**

Notes of W.H. Smith and D. Berggren, July 1959. Reconnaissance of Poli Mine and section. Downstream to bridge at SW corner sec. 27.

Met Mr. Pat O'Brien who is now tenant on property and he showed us location of old mine shaft. We collected a smaple of the conglomeratic limestone from the dump which probably is lithology described in shaft log at about 50'.

Visited exposure near spring on hill side due south from house and about 15' above creek. Outcrop very similar to one described in Cady note of September 22. 1927 in Sec. 28.3h except that we dug out contact of overlying sandstone onto black shale. Sandstone is a medium grained, relatively massive with carbonized plant debris on lowest bedding planes and a very calcareous bottom 1", about 6' seen, top obscured by glacial drift. Field relationships strongly suggest this is sandstone over coal at 35' in shaft log. but limestone replaced by sandstone here.

Observation in various creek bank exposures below: (10'+ covered below the coal described above). We observed clay with impure limestone nodules grading to shaly siltstone with limestone nodules; apparently extending down to principal limestone below, but containing siltstone lenses and some thin laminated sandstone lenses; exposures are poor but relationships indicate considerable cut and fill deposition throughout interval to section described below.

In creek above bridge good exposure of complex limestone sequence, probably equivalent to limestone

(cont.)					h g
By W.H. S	mith, D. Berggren	Date 1959	-		d c b
Quadrangle_	Greenfield	1.1.1.1.1.1	876	5 5 4 3	21
County	Greene	Sec. 27	1	IN R	100

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at 70'+ in shaft log. Roughly described section from top downward follows:

Irregularly bedded nodular siltstone weathered rusty brown with silty limestone ledge interbedded. The ledge varies considerably in thickness 4-16" in a lateral interval of 15 yards. The interval below the ledge is a silty shale or vice versa, more yellowish aray in tone with limestone nodules. One productid was recovered from this interval. Units rest unconformably on

Limestone, medium gray weathered yellowish gray; uppermost surface ahs abundance of productids. gastropods apparently in living position. Two layers are are probably exposed in stream but their relationship is obscure. The lower unit is highly jointed. 8"-12" thick and forms a pavement like outcrop. Fusulinids were observed in this unit and it was sample - extremely fossiliferous with crinoi fragments and fairly alive. Total thickness of limestone 2'+.

(Note. W.H.S. It appears obvious that the mine referred to in these notes in Sec. 28.3h was the mine that is shown on Greenfield topo sheet at Sec. 27.6c. This mine was visited July 29 by W.H.S. Correct location Kinkaid and Arnold "New Poli Mine",)

			h.
ByW.H.Smith, B.Berggren Date		Date 1959	e d c
Quadrangle_	Greenfield		87654321
County	Greene	Sec. 27	<u>T 11N R 10W</u>