

Add  
1981 low 214, 215 216

September 1981

018332

Metallurgical Composites

GRUM

✓ = verified as indicated  
in pencil in orig. log

	<u>Hole</u>	<u>sample</u>	<u>Pb + Zn</u>		
4G	80-A203  (may be problems - logged by PN)	201	30.40	21.2	4E4* Bx (4G4) <sup>dbl. calc in matrix</sup> 4G over 0.4m @ end.
		202	35.50	71.2 - 72.7	<del>4G4</del> 4E4*6 (4G4) <sup>bx 4G4</sup> over last 0.5m
		203	24.80	72.7 - 74.2	✓ 4G4 (4E46) <sup>1st 0.3m</sup> 4E46bx
		204	10.70	74.2 - 75.7	<del>4G4</del> 4E4* (4G4) <sup>dbl. calc</sup> 4G4
		205	10.99	104.2 - 105.9	<del>4G4</del> 4E4/4E0 <sup>strongly</sup> 4G4 (5CA) calc
		206	17.24	106.3 - 108.3	✓ 4G4/4G4* <sup>30 30 30</sup> (4E4)
		207	14.10	108.3 - 109.8	✓ 4G4* <sup>30 30 30</sup> 4E4 <sup>strongly calc</sup>
		208	9.20	109.8 - 111.4	✓ 4G4/4E0 <sup>interpolated</sup> Rubbish <sup>last 0.4m</sup> 4E0

Check Ba !!!  
assays ...

80-A205 PN	208	12.90	95.3 - 96.6	✓ 4G4 4E4 (4E6) <sup>non</sup>
	209	20.80	96.6 - 97.9	✓ 4G4 4E4 ± porous <sup>non</sup> (4E4) <sup>No Barite</sup>
	210	21.80	99.6 - 101.2	✓ 4G4 4E4 ± porous, <sup>non</sup> no BaSO <sub>4</sub> F <sub>2</sub>

80-A208  (may be problems - logged by PN)	208	18.20	84.2 - 85.6	✓ 4G4 ± *, 4E48 <sup>108</sup>
	209	12.27	85.6 - 87.0	✓ 4G4* mod calc (4G48* 105)
	210	13.93	87.0 - 88.4	✓ 4G4* strongly calc

80-A210  (may be problems - logged by PN)	209	15.20	66.3 - 67.9	✓ 4G4* (4E4) <sup>v weak</sup>	
	210	9.60	67.9 - 69.5	✓ 4G4	
	211	18.30	71.3 - 72.5	✓ 4G4 (4E0) <sup>20</sup>	
	212	13.20	72.9 - 76.3	✓ 4G4	
		213	14.20	76.3 - 77.7	✓ 4G4

4E	80-A204  (may be problems - logged by PN)	208	181.9 - 183.2	5.10	4E0 <sup>unggy calc filling fractures</sup> 4E8 non.
		211	186.2 - 187.5	4.71	4E0 as above. <sup>4E0 ± 8 ± calcite filling &amp; fractures</sup>

NB unit between 24G4\* calc

Hole	Sample	Pb + Zn	
4E continued (may be problems - PAS)	80-A205	5622 94.4-95.3	4.20 4EO v. m. <del>4EO</del> bxiated ± porous,
		5666 160.9-21.9	5.20 4EO ?
		5667 161.9-162.9	6.50 4EO ?
80-A209 (OK - DJH)	5917 67.4-68.7	9.30 4EO	4E4 no Fe <sub>3</sub> O <sub>4</sub> non-calc
	5918 68.7-69.9	4.90 4EO	4E4 " " " "
	5925 117.1-117.1	4.26 4EO (4C 4E4)	4EO minor calcite frac
	5926 " " " "	4.10 4EO	4EO minor 4C5 119.1-
80-A210 (may be problems - PAS)	5709 " " " "	6.01 4EO	4E4 "
	5700 " " " "	5.68	4EO
	5703 " " " "	5.52 4EO	4EO
	5704 " " " "	11.30 4EO	4EO
80-A211 (OK - DJH)	5738 58.6-59.7	10.20 4EO	4E4 ± bxiated non-calc
	5739 60.1-60.8	4.15 4EO	4EO bxiated " "
	5792 207.0-208.2	7.09 4E8	4E48 ± * calcitic
	5793 208.2-208.1	5.14 4E8	4E8 ± minor * calcitic
80-A212 (OK - DJH)	5889 147.2-148.2	5.16 4E5	4EO ± v. minor 5 ± v. minor 8 1/2 bxiated
	5890 148.0-147.2	5.60 4E5	4EO bxiated ± 4
	5891 147.2-149.2	3.37 4E0	4EO bxiated
	5892 " " " "	6.80 4E0	4EO bxiated ± 4
	5893 151.1-153.2	3.89 4E0	4EO ± bxiated ± 4
	5894 153.2-154.7	2.22 4E0	4EO no Fe <sub>3</sub> O <sub>4</sub>
	5895 154.7-156.2	8.48 4E4	4E4 " "
80-A213 (OK - DJH)	5908 47.1-48.2	10.80 4E0	4E4 calcite (minor) on fracture
	5909 " " " "	11.50	4E4 ± 8 v. locally ± 3 porous
	5910 54.9-56.1	12.00	4E4* calcitic ± 8 ± porous
	5911 56.1-51.3 v	9.26	4E4* w/ky calcitic; no Fe <sub>3</sub> O <sub>4</sub>
	5912 59.2-61.6	8.39	4E4 ± minor * calcitic, no Fe <sub>3</sub>
	5913 26.02-262.2	4.73	4E8 ± 6 ± * calcitic (very calc)

	Hole	Sample	Pb + Zn	DST	Remarks
4A	80-A202 (PN)	5436 40.3-40.5	4.36 4A3	✓ 4A3	no 8, non-calc.
		5439 42.1-44.6	6.81 4A3	✓ 4A31	" " " "
		5448 151.8-153.1	4.28 "	✓ 4A4	not 3; 5D4* dolomite <sup>very</sup> 151.9 in
		5450 153.6-155.1	5.50 "	✓ 4A0	" " ; 5D4* dol. <sup>very</sup> 155.6-1
		5451 155.1-156.6	3.79 "	✓ 4A0	(4A3); $\approx 40\%$ of unit 5 dolomite
	80-A203	5502 105.9-106.8	6.35 4A4	✓	
	80-A207 / 1 (PN)	5938 134.4-135.8	5.80 4A3	✓ 4A4	not overly py; v. gr <sup>very</sup>
		5939 135.5-137.2	4.48 "	✓ 4A0	5D4* dolomite 136.6-
		5940 137.2-138.5	5.60 "	✓ 4A0	$\pm 4$ w/ 4C5 $\pm 4$ 137.6
4DC	80-A202 (PN)	5456 168.0-168.8	8.24 ✓ 4C0	✓ 4E4*	calcite; <del>not</del> 4C0 porous
		5466 181.4-182.9	3.08 ✓ 4D47	✓ 4C7	non calc., strongly po
		5467 182.9-184.4	3.93 ✓ 4D47	✓ 4C78	$> 5\%$ Fe <sub>3</sub> O <sub>4</sub> ; non-c
		5468 184.4-185.9	2.48 ✓ 4D47	✓ 4C87	" " "
		5469 185.9-187.4	4.33 ✓ "	✓ 4C87	" " "
1	80-A203 (PN)	5506 111.4-112.4	5.30 ✓ 4C0	✓ 4E0	no Fe <sub>3</sub> O <sub>4</sub> ; 5D4* dol. at 11.
		5520 207.2-208.5	7.80 ✓ 4D8	✓ 4E48	non-calc
		5521 208.5-210.0	6.31 ✓ 4C8	✓ 4E48	" " "
		5523 211.5-213.0	6.19 ✓ 4C8	✓ 4E4	" " $\pm 8$
		5524 213.0-214.8	6.11 ✓	✓ 4E4	" " $\pm 8$
		5525 214.8-216.0	6.71 ✓	✓ 4E48	
	80-A205 (PN)	5671 247.5-249.1	5.14 ✓ 4C8	✓ 4E0	$\pm$ * calcite $\pm 8$
		5672 249.1-250.7	7.60 ✓ "	✓ 4E4	$\pm 8$
		5674 257.8-258.8	4.26 "	✓ 4E8	(4E14)
		5675 258.8-259.9	5.00 "	✓ 4E8	(4E4)

Hole	Sample	Pb + Zn	
4DC continued  (PN)	80-A206 ✓	5686 224.5-227.1	5.60 ✓ 4C8
	X	5687 227.1-228.6	7.50 ✓ 4C8
		5688 229.6-229.7	3.00 ✓ "
		5689 229.7-231.1	4.30 ✓ "

Bull: !

440, 4E\* calcitic, 4C5, 4E8  
 4E8, 4E8\* " , 4C5  
 4E8 non-calc.  
 " " 414 230.9

No Calc Use

N.B. : Basic problem w/ above is PN calls 4E, 4C & 4C  
 4D at times !! This is what's. 'ing up PT's correct  
 w/ Grum & Faro ore types !!!