INSTRUCTIONS FOR USE

1. Identify Agency of Addressee
2. Void Previously Used Block
3. Write Clearly
4. Send Surplus Envelope [illegible] nly Room for Reissue

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DMEA-4586 Idm-E1071, The New Jersey Zinc Company

Drill Logs and the following maps, accompanying final Operator's report.

APPENDIX

Geologic Cross-Sections

1" to 100'	AX-TENN-C-1283
1" to 100'	AX-TENN-C-1323
1" to 100'	AX-TENN-C-1350
1" to 100'	AX-TENN-C-1423
1" to 100'	AX-TENN-C-1451
1" to 100'	AX-TENN-C-1457

Use other side first

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1957)
Promulgated by Bureau of the Budget Circular A-33 (Rev.)

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
~~Mr. Joseph [illegible]~~ ~~O. [illegible]~~	STOP		STOP
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Use other side

Use STOP only when messenger service between Government buildings in Washington, D. C., is required or wherever a STOP system is used. Your mail room has STOP information.

LOCATION Copper Ridge Belt Sector II

THE NEW JERSEY ZINC CO.

AX-TENN C-1326

HOLE NO. I-53

ELEVATION 734,788.39; 769,279.88

STARTED _____ BOTTOMED _____ LOG BY RCG

COORDS. 1491.42

PROPERTY J.R. Davidson (S.W. Tract

SHED NO. _____ DISCARDED _____

BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO		
0	13	13	–	RC			Bx-Ax 20 Ax-Bx 37 Bx-Ax 40						
13	256	243	226	Oma		DI	Open 26-31 Sgs 39, 43 Sgs, Ce 73, 81, 83 Sc Abu Sgs 88-91 Brn Oo Ce, Pb Cgl 91 Bu Sgs, Ce Chips 122 Lt F. Gr Strat DI 144-147 Sgs 147 Cot Rk 147-148 8" Ce Mtx Ss 150 Ce Peb Cgl 153 Bu Sgs 164 Sgs 176 Sgs 192 Ce + Cot Rk 198 Ce Peb Cgl, Sgs 198 Sgs 216 Sgs in Fr Fill 225-227 Oo Ce 227 Sc Sgs 254-257 Ce Mt SS 256						
					Ce Mtx 256?								
256	373	117	104	OK	Brn Oo 300 U 255 320	DI	Sgs 264 Sgs 287 Peb Cgl, Sgs 289, 295-296 Brn Oo Ce 300 Sc Sgs 317-320 Sgs, Cgl 330-331 Blk Sh 320 (w/Sp) Ls, Sh 335-336 Sh Ble 343-347 Ls 352-358 Ru Sgs, Grn Sh 364						
373	375	2	2			Min	Mineralized			373	375	2'	25% Zn Est
375	404	29	25			DI		Sh; Sp 377					
					TR 404								
404	452	48	36		A-410 B-416 E? 452		Sgs 410 Fi Bu DI w/ Ce Nds 416 Ls 410-412						
452	467	15	12			Ls							
467	477	10	10		F 472	DI							
477	511	34	32			Ls	Crs Xln DI 597-598						
511	514	3	3			DI							
514	543	29	26			Ls							
	Bottom 543						R+S Bed 52% Dolomitized						

LOCATION Copper Ridge Belt Sector II

PROPERTY J.R. Davidson S.W. Tract

THE NEW JERSEY ZINC CO. Sect. – AX-TENN-C-1326

HOLE NO. I-54

STARTED _____ BOTTOMED _____ LOG BY RCG-WJC

SHED NO. _____ DISCARDED _____

ELEVATION 1490.50

COORDS. 734,872.38 ; 769,223.00

BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO			
0	19	19	—			RC	Bx - Ax 40							
19	180	161	137	Oma		Dl	Oo Ce 20 Sgs 50 Sgs below 3' Strat 73 Fa 70° @ 74 Ce 75-77 Ce Mtx Sgs 78 Ce 78-79 Sgs, Ce Pebs 80 Sgs 98 Sgs, Ce Pebs 105 (Below 2' Strat) Sgs, Ce 126 Sgs, Peb Cgl 130-131 Open 135-137, 154-156 Peb Cgl 156						
					Ce Mtx 180									
180	315	135	129	OK	Brn Oo 225		Sc Sgs 188-189 Ce Peb Cgl 211-212 Brn Oo 225 Sgs 221 Sgs, Sh. 232							
					4-255		Lt Gy Dl w/ Ce Nods, Irreg Strat 233-239							
					246		Sc Sgs 257-258 Ble 264-270 Sgs in Lt Gy Strat Dl			300	301	1'	25% Zn Est	
					LP?		276 Sgs 279 Sgs 284 LP? 308							
					308									
					TR									
315	380	65	62		315	Dl	Fi Grn'd Bu Dl w/Ce Nods 239-246							
					E?									
					361									
380	388	8	8			Ls								
388	399	11	11			Dl	2" Ce @ 395-397							
399	417	18	18			Ls	V Fossiliferrous Zo 399-402							
417	422	5	5			Dl	Crs Xln							
422	435	13	12			Ls								
					TBd									
435	438	3	3		435	Dl	Fi Grn Dl w/Ce Nods							
438	463	25	22			Ls								
463	474	11	11			Dl	Crs Xln Fi Sgs 464							
474	493	19	14			Dl	M-Fi Xln. Sgs, Ce Peb Cgl 490							
	Bottom			443			R & S Beds 68% Dolomite							

LOCATION Copper Ridge Belt Sector II

THE NEW JERSEY ZINC CO.

Sect. Ax-Tenn-B-1319

HOLE NO. I-55

ELEVATION 1501.45

STARTED 10-11-57 BOTTOMED 10-17-57 LOG BY W.J.C.

COORDS. 234,529.96 768,743.30

PROPERTY J.R. Davidson SW. Tract

SHED NO. DISCARDED None

BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	47	47	-			RC	Bx - Ax 60				
47	252	205	181	Oma		DI	Abu Sgs (Qtzt) 53 Ce Nd 54 Sgs, Peb Cgl 61 Bd Ce 63-64 Abu Sc Sgs 64-65 Sc-Bnd Sgs 71-74 Crs Abu Sgs, Oo Ce 77 Abu Fi Gr Sgs 86-87 Sr 30° Fa 103 Sgs, Sed Br 110 Abu Sc-Bnd Sgs 114 Wk Frg 119 Ra Sc Sgs 125-126 Crs Sgs @ Base 4' Lt Gy Strat 139 1" Bnd Sh 140° Ce, Sc-Bnd Sgs 143-146 6" Silicified DI 147 Bnd Sgs 158 Sgs in Mat DI 163 Sgs 169 Ce Gl, Sgs 192 App Dip 40° @ 200 Sgs above 6" Bd Sh 206 Bnd Sgs over 6" Oo Ce 216 45° Fa 223 Crs Sgs, Oo Ce 242				
					Ce Mtx 252						
252	386	134	122	OK	Brn Oo 288	DI	Ce Mtx Sgs 250-252 Crs Bnd Sgs 259 Frg 263 Bnd Sgs 272 Sgs, Ce Peb Cgl 284 Brn Oo Ce 288 Lt Gy Dist Strat w/Ce Nods 296-311 Sc-Bnd Abu Sgs 310-312 Sgs 315 Ra Sgs 326 Ce 340 Ra Sgs, Ce above 2" Grn Sh 344 App Dip 30° @ 344 Crs Sc Sgs above 2" Grn Sh 355 Fi Grn DK DI w/Bu Ce Nds 441-445				
					U-255						
					311						
					TR						
					386 "E"						
386	445	59	56	OK	445	DI		Sp Py 405-406 Py in Crs Rex In (404-410)			
445	454	9	9			LS					
459	466	7	7			DI					
466	501	35	32			LS					
501	504	3	3		"J"	DI					
504	546	42	40		538	LS					
	Bottom			546			R&S Bed 57% Dolomite				

LOCATION Copper Ridge Belt Sector II

THE NEW JERSEY ZINC CO.

Sect. Ax-Tenn. C-1322

HOLE NO. I-56

ELEVATION 1499.11

STARTED 10-18-57 BOTTOMED _____ LOG BY WJC COORDS. 233,999.10 768,454.94

PROPERTY J.R. Davidson: SW. Tract SHED NO. _____ DISCARDED _____ BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO			
0	4	4	—			RC	Nx-Bx 8 Bx-Ax 20							
4	479	475	441	Oma		DI	Crs Sgs 59 Ra Sgs 65 Open 78-80 Sc Sgs 82 Bnd Sgs 128 Sc-Bnd Sgs 141-142 Sgs in Strat 162 Sgs, Grn Sh in Strat 167 Sgs, Grn Sh in Strat 172 Bd Wh Ce 176-177 Sgs Below Grn Sh 188 Ce Mtx Sgs 217-218 Grn Sh, Ce, Sgs 218-219 Abu Sgs 122 Ce Mtx Sgs 247-248 Sgs, Ce 256 Abu Sgs, Qtzt 283-284 Sgs, Ce 288 Abu Sgs, Grn Sh, Ce 291-293 Sc Sgs 313-314 Fr, Fa? 328 Sgs, Grn Sh in Mot DI 335 Abu Sgs 340 Mot DI w/Ac's 343-348 Ra Sgs 349 Ce Nds in Mot DI 354-371 Sc-Bnd Sgs in Lt Gy Dist Strat 358 Sc-Bnd Sgs 365 Bnd Sgs in Strat 379 Ce Mtx Sgs Below 2' Strat (+85) 392-393 Ce Nds 394-395 Frq Fa? 406 Sgs, Grn Sh 416 Frq 418 Bd Ce Over Grn Sh 432-433 Sc-Bnd Sgs 442-443 30° Fa 450 Sgs, Grn Sh in Mot DI 452-453 Frq, Fa 460 Abu Sgs Ce Mtx 477-479						
					Ce Mtx									
479	613	134	121	OK	479	DI	Abu Sgs, Grn Sh, Ce 505-507 Lt Gy Mot Strat w/Ce Nds 519-528 Sgs in Strat 529 Sgs @ Bs 9' dist Strat 575 Frq, Fa? 549 Sgs in Strat 555 Wk Fa 580 Sgs, Blk Sh 599 (LP?)			587	588	1'	15% Zn Est	
					LP?									
					599									
					TR									
613	628	15	13		613	LS								
613	648	20	19		E	DI	Crs Xln 628-635 Fi Xln 635-640 M-Xln 640-648							
648	653	5	5		648	LS								
653	656	3	3			LS								
656	664	8	8			DI	DK M-Xln DI w/irreg Bu Ce Nds 664							
664	674	10	10			LS								
674	688	18	15		JSgs?	DI								
688	768	80	78		739	LS								
768	770	2	2		TBd 768	DI	Sgs 739							
770	773	3	3			DI								
	773	Bottom					RdS Beds 15% Dolomite							

LOCATION Copper Ridge Belt Sector II

PROPERTY J.R. Davidson : S.W. Tract

THE NEW JERSEY ZINC CO.

STARTED 10-30-57 BOTTOMED 11-6-57 LOG BY WJC

SHED NO. _____ DISCARDED None

HOLE NO. I-57

ELEVATION 1525.66

COORDS. 734,280.99 768,302.87

BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO		
0	8	8	-			RC	Nx-Bx 10 Bx-Ax 40						
8	282	274	252	Oma		Dl	Open 21-23 6" Grn Sh 25 Sc-Bnd Sgs in Lt Gy Dl 28-30 Sgs 48 Open 56-62 Sgs in Brwn Mot over 2' Rex In 62 Mot Dl w/Re's 72-88 Bnd Sgs over Wh Ce 89 Bnd Sgs 95 Abu Crs Sgs in Brwn Fi Dl 99-100 Crs Sc Sgs 108-110 2' Bd Ce 110-112 Oo Ce 112 Abu Sgs in Mot Dl 122-123 St? Lo Ang Fa 30° 138 Sgs, Ce Chips 146 Rd Mot Dl 146-153 Sgs 150 Crs Sgs, Ce Chips 160 Fi Grn Lt Brwn Dl w/Ce Nds 164-172 Sc Sgs in Lt Brwn Dist Strat 170-171 (+115) Crs Sc-Bnd Sgs over in Strat 173-177 (+110) Sc Sgs Below 3' Dl Gy w/Sh's Prgs 196 Ce Mtx Sgs w/Lo Pebs Below 2-4 Strat, Over 2" Rex In (+85) 203 Sc Sgs w/Lo Pebs 226 Bnd Sgs over 2" Grn Sh 237 Fr 243-244 Bnd Sgs 247 Crs Abu Sgs Qtzt 274 Ce Mtx 282						
					Ce Mtx								
282	425	143	126	Ok	282	Dl	Sc Sgs in Lt Brwn-Gy Strat 319-321 Sed Br 348 Bnd Sgs In Gy Strat 356 Crs Bnd Sgs 376 Sc Sgs above 2" Grn Sh Below 30' Lt Gy-Brwn Strat w/Ce Nds Sgs, Blk Sh w/Py 411 Sgs 422 Crs Br 428-440	Tr Sp 337 Tr Sp 416, 418, 425, 426 Tr Sp 431					
					TR								
425	459	34	26		425	Dl				431	437	6'	1% Zn Est
459	460	1	1		E	Ls							
460	473	13	13		459	Dl							
473	485	12	12			Ls							
485	497	12	12			Dl	Bd Ce 493-495						
497	534	37	37			Ls							
534	536	2	2			Dl							
536	575	39	36			Ls	Sgs in Grn Sh 554						
575	625	50	48			Dl	Bd Wh Ce 596-598						
625	626	1	1			Ls							
626	632	6	6			Dl	Crs Xln						
	632	Bottom					R & S Bed 57% Dolomite						

LOCATION Copper Ridge Belt Sector II

PROPERTY J.R. Davidson S.W. Tract

THE NEW JERSEY ZINC CO.

Sect.-Ax-Tenn C-1322

STARTED 11/7/57 BOTTOMED _____ LOG BY WJC

SHED NO. _____ DISCARDED None

HOLE NO. I-58

ELEVATION 1536.33

COORDS. 734,533.80 ; 768,188.99

BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO		
0	74	74	-		CeMtx?	RC	Bx-Ax 100						
74	111	37	26	Oma	111		Open 85-93 Crs Sgs, Ce 102 Sc-Bnd Sgs in CeMtx 109-111 (CeMtx)						
111	258	147	135	OK		DI	Hi Ang Frg 116 Crs Sc-Bnd Sgs Below 5' Lt Gy Strat 145-147 Ra Sgs over GrnSh 139 Ce, Frg, GrnSh 148	ScTrsSp 229-231		228	229	1'	35% Zn Est
					4-255?		Bu DI w/ CeNds 160-172 Sgs 165 Dist Strat 172						
					179		176 Lt Bu DI w/ CeNds 178-199 Sgs 179 Sgs, GrnSh						
							Below Strat 226 Frg 228 Sgs 240						
					TR								
258	264	6	6		258	LS							
264	272	8	8			DI							
272	274	2	2		E	LS							
274	301	27	27		301	DI	OoCe 285 Fi Gn Bu DI w/ CeNds 300-301 (E)						
301	311	10	10			LS							
311	324	13	13			DI							
324	405	81	80		TBd?	LS	Sgs J? 382						
405	406	1	1		405-406	DI	Fi Grn DI 405-406						
	406	Bottom					R&S Bd 32% Dolomite						

LOCATION Copper Ridge Belt
Sector II
Area I
PROPERTY J.R. Davidson SW Tract

THE NEW JERSEY ZINC CO.

Jefferson City, Tenn.

Sect. Ax-Tenn C-1322

STARTED 11-15-57 BOTTOMED _____ LOG BY WJC
SHED NO. _____ DISCARDED _____

HOLE NO. I-59
ELEVATION 1473.30
COORDS. 733,737.50 768,592.59
BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO		%Zn	
0	9	9				RC	NX-BX-10 BX-AX 20							
9	678	669	607	Oma		DI	Rd Mot DI 25-31 Lt Brn dl w/ Ce Nds 107-109							
							Intense Rd Mot DI 124-138 St Lo Ang Fa 30° 143 Bu DI							
							w/ Ce Nds, Mas 169-174 Do Ce 228 Sgs, Grn Sh Bs 1' Int							
							strat 232 Lt DI w/ Ce Nds 236-243 Sgs over 3' strat							
							259 Abu Sgs in Strat 266 Sgs over 3' strat 280							
							Sgs Gr Sh over 1' Mot Bnd Sgs below 5' Rd Strat							
							293 Fra 324 Abu Sgs 326, 331 Sc-Bnd Sgs in Rd							
							Dist Strat 338 Abu Sc-Bnd Sgs 343-344 Sgs 369							
							Abu Sgs, Ce Chips, Grn Sh 374 Sgs Ce 379 Closed							
							Br 418-421 Abu Sgs in Lt Dist Strat 422-424							
							Crs Sgs, Grn Sh 452 Ra Sgs 473 V Crs Ce Mtx Ss							
							485-486 Abu Sgs Above 1' Mot 506 1" Ce Bd 509-510							
							Ce Mtx Ss 514-515 V Crs Ce Mtx Sgs 544 Sc-Bnd							
							Sgs 564-565 Ra Sgs over 1' wh Ce 574 Bnd							
							Sgs, Grn Sh 580 Sgs, Sh 584 Sgs over 1' Mot DI,							
							Do Ce, Sgs Crs 631 Sc Sgs 617 Do Ce 646 Ra							
					CeMtx		Crs Sgs 654 Fi Sgs 668 Ce Mtx Sc 678							
678	925	177	133	OK	678	DI	St 15° Fa Sgs, Grn Sh 717 (Cover Fi Grn Lt Gy DI)							
					Brn Oo		Sc-Bnd Sgs 720-721 Sgs Brn Oo 723 Bnd Sgs							
					723		in Dt Strat 762 Ce Nds, Lt Gy Strat DI 770-778							
					U-255		Sgs Grn Sh Ce 779 Sgs Below dist strat 795		1423 833	837	4'	1%	Est	
					743		Ce Nds in Mx Gy DI 803-807 Sgs in Dt Strat 832							
					TR		Bnd Sgs 833							
825	878	53	53		825	DI	Wk 45° Fa 859 Sgs @ Bs 2' Dk DI w/ Bu Ce Nds	St tr Sp 833-837						
					E		E MKR 876							
					876									
878	893	5	5			LS								
893	918	15	15		J Sgs	DI	Fi Sgs 894, Do Ce (Very Good) 897-898							
898	924	26	26		947	LS	Sgs 947 J							
924	926	2	2			DI	M-Fi Gr Gy DI							
926	976	50	33	T8d		LS								
976	987	11	9	976		DI								
987	995	8	8			DI								

Bottom 995
R & S Bed 47% Dolomitized

C-1423

THE NEW JERSEY ZINC CO.

LOCATION Idol Area
Sector II
Copper Ridge Belt

PROPERTY NJZ M&M Stapleton Surface

STARTED 1/9/59 BOTTOMED 1/28/59 LOG BY ADH, CWR

SHED NO. DISCARDED

HOLE NO. I-60

ELEVATION 1495.15

COORDS. 30,832.26 N 63,197.65 E

BRG. INCL. -90°

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	30					RC	BX-AX 50				
30'	700	670	661	Oma		Dl	Sgs in Rd Mot Dl 173 Abu Sgs in 1' Bu Dist Strat Hvy Ce 215-216 Ra Sgs 412 Sc Sgs 421 Brn Da Ce below 2' Sc Sgs 423-424				
					Ce Mtx 542		Sc Sgs 441 Abu Sc Sgs 454-457 Sc Sgs, Dl Pebs 484-485				
							WK La Ang Fa 463 Abu Sgs, Ce Pebs 499 Sgs above Grn Sh above				
(542	700)			OK			Ce 513 La Ang Fa 540 Ce Mtx Ss 542 Sc Sgs 543-545 (Channel				
							Fill?) Sc-Bnd Sgs 551-552 Ce Mtx Ss 576 Ce Nod & Ce Mtx	Shi Sp 675			
					TR 707		below 5' Lt Gy Fi Dl 592-593 Ce Mtx ss 596 Ce Nod Zo 610-614				
							Grn Sh & Sgs 698 Brn Mot Dl 698-700 Grn Sh 700				
700	746	46	45	OK		Dl	6" Grn Sh w/Sgs 707 Grn Sh 711, 718 Fi Dl w/Ce Nods 731-733				
					"A" 707 "B" 717		1' Shy Ls 738-739				
746	754	8	8			Ls					
754	766	12	12			Dl	Red Mot Dl				
766	821	55	46			Ls°	Lo Rd Mot Ls, La Abu Sh Pts				
821	823	2	2			Dl	Red Mot Fi Dl				
823	843	20	20			Ls					
843	850	7	7	Olv	T Bd? 843-850						
850	Bottom										
							R & S Bds 42% Dl				

LOCATION Idol Area
Sector II
Copper Ridge Belt
PROPERTY NJZ M&M Stapleton Surface

THE NEW JERSEY ZINC CO.

Dip Sect C-1423

HOLE NO. I-61

ELEVATION ~~#~~ 1462.79
COORDS. 30,675.34N 63,320.26E
BRG. _____ INCL. -90° to -87° (800')

STARTED 1/29/59 BOTTOMED 2/16/59 LOG BY EWK
SHED NO. _____ DISCARDED _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO	Recov	% Zn	
0	10					RC	BX-AX 19							
10	27	17	16	Oca		Ls			10344	758	762	4	2.42	11'
									10343	762	766	4	2.50	@
									10342	766	769	3	2.42	2.45%
27	739	712	703	Oma			Bu Dl w/Ce Nods 107-115 Grn Sh 159 Abu Sgs w/Ce Mtx 201							
					CeMtx 696		WK Frng 208 CeMtx 216 Sgs 239 Sc Sgs 241-242 Fi Bnd Sgs	Sc Shis & Trs Sp	10341	776	780	4	4.80	
							271 Abu Sgs above 6" Grn Sh 287 Abu Crs Sgs 306 5' DK Shy	746-758						
							Dl 321-326 6" Grn Sh 340 Lo Grn Sh 342-344 Sc Sgs 345-	Sc Trs Sp 769-776	10340	791	795	4	1.32	17'
							347 Ra Sgs above Grn Sh 364 Ce Mtx Ss 392 Abu Sc Sgs 399-400	Sc Tr 780-791	10339	795	799	4	4.40	@
							Abu Sgs w/Ce Mtx 470 Ce Mtx Ss w/Grn Sh layers 481-482	St Shi 816	10338	799	803	4	2.25	2.19%
							Abu Sc Sgs 488-490 Oo Ce 492 Sc Sgs w/Grn Sh Frags 500 6" Frng		10337	803	808	5	1.05	
739	758	19	19	OK		Dl	& Mylon 521 Nu Sgs 535 Ra Bnd Sgs Lo Nu 558-561 Bdng Pl Fa 559	Sc Shi Sp 833-						
							Oo Ce 561 Sc Sgs above Ce 566-568 Bu Dl w/Ce Nods 568-574	855						
758	879	121	118	OK		Min	Wh Ce 578-579 Hi Ang Fr 583 Crs Sgs w/Ce 584 Nu Sgs 596-597		10336	824	828	4'	2.45	9' @
					Brn Oo 756 & 767		Ce Nod Zo 603-608 Sc Sgs 634, 649 Ae Zo 659-661 Ra Bnd	Tr Sp 887 Shi	10335	828	833	5'	1.75	2.06
							Sgs 661 Bnd Sgs 663 Grn Sh 685 Ce Mtx Ss 696 Sc-Abu Sgs	Sp 888						
							705-707 Ce Mtx 707, 739							
879	890	11	9	OK	TR 903	Dl	Abu Sgs 740 Abu Sgs & Ce 751-752 Oo Ce 761	Trs Sp 895-898		850	855	5'	Est 1%	
									10495	855	860	5'	9.60	
890	1029	139	128				Crs Abu Sgs 881-882	Ra Trs Sp 912, 916	10496	860	863	3'	9.64	24'
							Sgs in Br 897 Sc-Bnd Sgs over Grn Sh 900	920-922						@
							Sgs 1023							4.43
1029	1035	6	5		O/V	O/V		Py 916, 931	10497	874	879	5	5.90	
					T Bed 1029-1034									
1035 (Bottom)										Weighted Averages				
										758	833	75'	1.36%	
							R & S Bds 100% Dl.			855	879	24'	4.43%	
										758	879	121'	1.72%	
		1½ Hr. Tro-Pari Surrey												
		Inclination 3°												
		Bearing N59°W												

LOCATION Copper Ridge Belt
Sector II
Idol Area
PROPERTY NJZ, M&M Stapleton Surface

THE NEW JERSEY ZINC CO.

DIP SECTION C-1423

HOLE NO. I-62

ELEVATION 1449.68

STARTED 2-17-59 BOTTOMED 3-9-59 LOG BY EWR.

SHED NO. DISCARDED None

COORDS. 30,598.03 N; 63,383.31 E

BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION
0	10	10	–			RC		
10	91	81	72	Oca		LS	Dl w/Ang to SubAng Frags 62-69	
91	837	746	647	Omn		Dl	Lt Bw Dl w/LoSed Br 167-171 CeMtx w/Sc Sgs & Ce 265 Ra Sc Sgs 270-272 Dl Peb Cgl 273 Sc Crs Sgs 288 1" CeMtx 299 Wk Frag 327-333 Abu Sgs → CeMtx → Bl Sh 350 Sc Crs Sgs 355 2 Thn CeMtx 1" Apart 359 Ra Sgs 363-364 Abu Sc Sgs 370 Sed Br w/Abu GrnSh 408-411 Sgs 408 Ra Sgs 431 6" Wh Ce 432 GrnSh 454 Sc Sgs 460 Abu Sc Sgs 468-469 DK Mot Dl 474-482 6" Int Frag 488 Abu Sgs 492 Sc Sgs → GrnSh 502 Wh Ce 508 Abu Sc-Bnd Sgs → CeMtx 538-539 Bnd Sgs w/Ce Frags 547-548 CeMtx 548 Abu Sgs in GrnSh 550 Abu Sc Sgs above 1½" Any Ce 561 OaCe 566 So Sgs 574-575 DK Gy-Brown Dl Lg Frag 580-592 Frag 595-599 Abu Sgs 607 Abu Sgs, CeMtx over 4' Bu Dl 641 Ra Sc Sgs 656 2' Bw Strat w/Fl Sgs @ base 666-668 Lo Br & Lo Abu Wh Gangue Dl 678-782 Brd CeMtx 699 (Dip 65°-70°) GrnSh 760	Tr Sp 406, 686 Pb 678, 700 Sh, Sp 720 Sc Tr, Sh 777-793 Tr Fl 854
					CeMtx			Str Sh 934; 947, 965
837	957	120	110	OK	837			
					TR			
957	1020	63	57			Dl	Sgs, Ce Pebs 962 Sgs, Dl Pebs 968 Sgs & GrnSh 970	
1020	1031	11	10			Dl		
1031	1061	30	28		T Bed	LS	Rd Ce, Rub Br 1037-1041, 1047-1051	
1061	1093	32	29		1093-1102	Dl		
1093	1111	18	17	OIV		Dl		
			Bottom 1111					
			R & S Beds 79% Dl					

ANALYSES

SMPL. NO.	FROM	TO	Recov	%Zn
10316	793	798	5'	3.98
10317	798	807	9'	1.05
10318	807	810	3'	5.20
10319	810	816	4'	Nil
10320	816	820	4'	3.85
10321	820	825	5'	0.30
10322	825	830	5'	1.17
10302	830	835	5'	9.12
10303	835	840	5'	6.08
10304	840	845	5'	6.62
10305	845	852	7'	4.82
10306	852	860	8'	15.75
10307	860	865	5'	9.17
10308	865	870	5'	10.90
10309	870	875	5'	8.40
10310	875	880	5'	3.80
10311	880	885	5'	2.90
10313	885	890	5'	3.15
10314	890	893	3'	4.25
10315	926	930	4'	6.53

WEIGHTED AVERAGES

793	830	37'	1.83% Zn
830	893	63'	7.51% Zn
793	893	100'	5.41% Zn

LOCATION Copper Ridge Belt
Sector II
Idol Area
PROPERTY NJZ M&M - Stapleton Surface

THE NEW JERSEY ZINC CO.

C-1423

STARTED 3-10-59 BOTTOMED 4-3-59 LOG BY EWR
SHED NO. _____ DISCARDED _____

HOLE NO. I-63

ELEVATION 1441.70
COORDS. 30,520.48 N ; 63,445.33 E
BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION
0	4	4	–			RC	Nx-Bx 10 Bx-Ax 20	
4	163	159	148	Oca		LS	Grn Shy Dl 106-130 Fi Rubble Br 144-150	
163	930	767	738	Oma		Dl	Fi Bu Dl 249-254 Num Bnd Sgs 375 Abu Fi Sc Sgs 419	Trs Sp in Fi Frs
							1" Bnd Sgs 432 Abu Sgs in Bu Strat 439 Frq Fang 477-489	499-500
							2" Fa Zo (65°-70°) 489 Ra Sgs 574 Bnd Sgs → Grn Sh w/Sgs 547-	Str Shi Sp 565
							548 Sgs 555 Crs Ce Mtx w/Ce Pebs 592 Ce Mtx w/Abu Sgs below	Ra Tr Sp 637
							630-631 Grn Sh above 1' Ce Mtx → Ce 643-645 Abu Sc Sgs w/Ce	Lo Str Pi 651, 657-
							Mtx 652-654 Whi Ce 654-656 Sc Sgs in Br blocks 660-661	663, 670, 678, 716
							Sc Sgs 669 Ra Sgs 697 Sc Sgs 701 Bnd Sgs in Strat 724 Abu Bnd	776
							Sgs, Pebs in Bu Dl 732-733 Abu Crs Sgs 747 2" Mylon 748	Shi Sp 864-865
							Sgs 793 6" Blu Ce 817 Ce Mtx 857 Lo Br w/Whi Gangue Dol	Str Shis 891
					Ce Mtx		847-882 Sgs in Br 928 Ce Mtx 930	Str Shis 990, 994-
930	1155	225	212		857	Dl	Abu Sgs 1010 Hvy Blu Ce 1072-1073 Ce Mtx 1101 Strat Dl	995 Sc Trs Sp 995-
					No TR		1116-1117 Dip 45° → Vert → 45° Sh 1150	1005 Shi Sp 1005 -
1155	1162	7	7		Recognized	LS		1006 Sc Trs Sp 1006 -
								1015 Shi Sp 1015
1162	1230	68	63			Dl	Ce Nods in Crs X In Dl 1170-1174 Sc Sgs 1212-1214 Sc	Sc Trs Sp 1015-1029
							Abu Ce 1202-1212 Fi Dl w/Whi Ce Nods 1222-1226	Shi Sp 1029 Sc Trs
					TBd?		Ce Mtx Ss 1226	Sp 1029-1062
					1222-1226			
								Sc Pi 1058-1073
							Bottom 1230	Shi Sp 1137
							R&S Bds 94% ± Dl	

ANALYSES SMPL. NO.	FROM	TO	Core Recover	% Zn
10401	882	888	5	4.64
10402	899	903	4	0.77
10403	903	908	5	5.42
10404	908	913	5	0.50
10405	913	918	5	3.92
10406	918	923	5	3.27
10407	923	928	5	11.90
10408	928	935	6	0.92
10409	935	940	5	6.32
10410	940	945	5	5.38
10411	945	949	4	6.19
10412	949	953	4	0.98
10413	956	961	5	1.78
10414	961	966	5	3.09
10415	966	970	4	4.17
10416	970	975	5	9.10
10417	975	980	3	5.71
10418	980	984	4	4.57
	Weighted Averages			
	903	984	81	4.35% Zinc

LOCATION Copper Ridge Belt
Sector II
Idol Area
PROPERTY N.J.Z. M&M - Stapleton Surface

THE NEW JERSEY ZINC CO.

Sect. C-1442

STARTED 4/4/59 BOTTOMED 4/21/59 LOG BY EWR
SHED NO. _____ DISCARDED _____

HOLE NO. I-64
ELEVATION 1445.91
COORDS. 30,404.15N; 63,281.57E
BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO	Dist.	%Zn
0	2	2	-			RC	Nx-Bx-11 Bx-Ax-50						
2	164	162	160	Oca		Ls w/ Ra I Dl	Cgl w/Crs Ce Pebs 141-143						
164	815	651		Oma		Dl	Bu Mot Dl 200-201 Bu Strat w/Fi Sgs @ Bs 217-218 Bu Sed Br 244-252 Ra Sgs, Ce 343 Bu Dl Peb Cgl 351 Crs Sgs in Strat 357-358 Ra Sgs, Wh Oo? Ce 398 Sgs, Sh 409 Fr 412-421 Fa, Mylon 413 Crs Sgs 419, 425 Bnd Sgs in Lt Dl 430 Abu Sgs in DK Dl 440 Abu Sgs @ Base Strat 444 Grn Sh 484, 505 Sgs 536, 559, 574 Sgs, Ce Mtx 606-607 Abu Sc Sgs w/Ce Chips 615-616 → Sh, Crs Sgs → Grn Sh → Ce Mtx → Ce 619-621 Abu Sgs 629 Oo Ce 631 Grn Sh 638 Sc Sgs w/Ce 639 Bdg Pl Fa? 656 Sgs, Pebs 665 Abu Sgs, Ce 668-670 Ra Sgs 681 Abu Bnd Sgs 692-693 Abu Sgs, Ce 696-698 Dl Br 700-701 Abu Sgs 701-702 Sc Crs Sgs 711-712 Abu Sc Sgs, Pebs 723 Sc Sgs 754 1' Ce Mtx → Thn Grn Sh 781-782 Sgs w/Ce Chips → Ce Mtx 783-784 Abu Sc Sgs above Ce Mtx 823-825 Sc Sgs 862 Oo Ce, Ce Mtx 865 Ce Mtx 867 Oo Ce Br 870 Ce Nod Zo 890-892, 910-923 Dist Strat w/Ra Crs Sgs 915-917 Ce Nod Zo 928-932, 938-940 Ra Crs Sgs 938, 955	Sh Sp 832 Sc Trs Sp 860-864 Sh Sp 876 Sc Trs, Sh Sp 903-920, 927-938	10427	1059	1066	7'	5.70
					Ce Mtx ✓				10428	1074	1079	5'	5.30
815	996	181		Ok	815	Dl			Weighted Averages				
					TR					1059	1079	20'	355
996	1175	179	138	OK	996 ✓ "A"	Dl							
					1000 E?		Grn Sh 1041-1047 Ce Sed Br w/Grn Sh 1047-1061	Tr Sp 944-981 Sh Sp 981, 984					
					1036-1046								
			Bottom R&S Bds		1175 100% Dolomite			Sc Trs Sp 1012-1021, 1079-1085 Tr Sp 1110					

LOCATION Copper Ridge Belt
Sector II
Idol Area

THE NEW JERSEY ZINC CO. Sect. C-1442

HOLE NO. I-65

PROPERTY NJZ M&M, Stapleton Surface

STARTED 4/22/59 BOTTOMED ~~EWR~~ 5/11/59 LOG BY EWR

SHED NO. DISCARDED

ELEVATION 1460.68
COORDS. 30,118.55N ; 63,231.80E
BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	6	6	-			RC					
6	346	340	311	Oca		I-Ls,Dl	Sc Lo Rubble Br 320-330 M-DK Brn X/n Dl 330-346				
							Oca-Oma Contact poorly defined				
346	998	652	636	Oma	M1	Dl	Bu Dl w/Dl Pebs, Frags @ Base 357-360 Crs Dl Peb Cgl 384				
					428-434		Bu Dl w/Ce 428-434 1' Strat 490-491 Brd Bu Dl → Grn Ce				
					M2		Mtx w/Pebs 519-520 Ra Bnd Sgs 527 Cont Bu Dl w/Sgs 540-541				
					519-520		Ce 541 Strat w/Sgs @ Base 541-543 Crs Sgs in Strat 545 Ra				
					M3		Sgs 584 Abu Sgs in Strat 610-611 Ce Pebs, Ce 649 Ra Sgs, Dl Frags				
					540-541		663 2" Mylon (40°) 682 Sgs, Sh 676, 687 (repeated by Fa @				
					M4		682) Ce Mtx 711 Abu Sgs 716 Sgs 783 Peb Cgl → Ce Mtx → Bu Dl				
					610-611		→ Sgs → Ce 741-745 Sgs, Ce 803-805 Oo Ce 808 Ra Sgs				
					M6		813 Abu Sgs 812 2" Ce Cgl in DK Dl 844 Fry 835-838 Sgs				
					711		869-870 Ce 870-875 Bu Dl w/Ra Sgs @ Top Ce Nods 909-911	Py 855-856			
					M7		Bnd Sgs 889 Sgs 901-902 Abu Sgs 948 Fa 934 Sgs in	Trs Sp 1074			
					791-795		Bu Dl 961 Ce-Bnd Sgs w/Ce Pebs 963-965 Grn Sh 982	Sc Wk Trs Sp 1105-1144			
					M8 869-875		Vy Thin Ce Mtx 998				
998	1163	165	144	Ok	Ce Mtx	I/	Abu Sgs 1006	Sh. Sp 1152			
					998	w/Ls	Fa 1029, Abu Sgs 1029 Oo Ce, Sgs 1044	Tr Py 1168			
					10' Check		Brn Oo Ce 1046				
					1006		Sgs 1069				
					K1		Ce Nod Zo 1070-1092 Sgs, Ce Pebs 1092-1093				
					1032		Dist Strat w/Ra Sgs 1107				
					K2		Ce Nod Zo 1107-1114 Sgs in Dist Strat 1118				
					1044		Ra Sgs 1123				
					Brn Oo						
					1046						
					K4						
					1092		Sgs 1189				
					TR						
1163	1290	137	112		1163						
					"A"						
					1164		Ls 1229-1233 (silic), 1233-1241 (Ls, Sh Br) 1241-				
					"B"		1259 6' of Ls 1260-1264				
					1167						
1290	1317	27		O/S	"E"						
					1220-1224						
1317	(Bottom)				TBd?						
					1290-1300						
					O Ce?						
					1317						

Bleaching Ce Mtx - K4 = 43'

THE NEW JERSEY ZINC CO.

Sect 1451

HOLE NO. I-66

LOCATION: Tosi Area, sector II, Copper Ridge Belt

PROPERTY: NJZ M&M-Stapleton Surface

STARTED 5/12/59 BOTTOMED 6/3/59 LOG BY EWR & ADH

FINISHED NO. DISCARDED

ELEVATION 1468.87'

COORDS. 30,282.99N 63,114.72E

BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION
0	8					RC	NX-BX 10 BX-AX 31	
8	186	178	175	Oca		Ls & Dl		
186	873	687	662	Oma		Dl	BuDl, Brd @ top 267-271 Strat 335-336 PebCgl? Grnish Ce Mtx 364 Lt Dist Strat w/Sgs & Ce @ base 387-388 Crs Sgs & Sh 391 Fa 407 Frng w/Ls Mylon 407-414 Ras Ce Crs Sgs 451-452 Ce Mtx w/4' Dk Dl w/Ae Below 451 (Mg+30%) Abu Crs Sgs in Brkn Strat 474-475 Dl Pebs & Sgs over Sh 509 Ce 559 Crs Sgs & Ce Mtx 561 Abu Crs Sgs 567-568 Sgs & Ce Mtx & Ce Peb Cgl over 1/4" Sh 597-598 Crs Sgs, Bns & Dikes 631-638 Ce Mtx Sgs over 659-660 Oo Ce 664 Sgs 673 35° Fa Xs 692-693 Sgs Dl Sgs & Ce 705-723 Bn Sgs 728 Dl Pebs & Sgs 731 Ce 731-732 Sgs & Ce Br in Ce Mtx 736-751 Ce & Grn Sh 745 Sc Sgs 746-748 Sgs w/Dl pebs in Mat 758 Sgs & Dl Pebs 766-767 1" Sgs in Ce Mtx 775 Sgs, Ce, Dl Pebs, Sgs 805 Crs Sgs in Ce Br & Dl Br 821 Sgs & Ce 835 Ce Mtx 873	
					Ce Mtx 873			Trsp & Py 872
873	1053	180	158	Ok		Dl	Sgs & Ce Mtx 884-885 Abu Sgs 915, 931 Oo Ce 935 Abu Crs Sgs 1034 Ras Sgs & Sh 1033 Sgs 1046 1056	Shi Sp 878, 874
					Brn Do 935 TR? 1053			900-901 Est 10% Zn Shi 908-909 Str Shi 995 Sc Trs Sp 1007, 1010, 1014 Trsp 1046
1053	1121	68	51			Dl		
1121	1122	1	1			Ls & Sh		
1122	1124	2	2			Dl		
1124	1126	2	2			Ls		Str Py & Trsp 1081-1084
1126	1179	53	48			Dl		
1179	1181	2	2			Ls		
1181	1219	38	20			Dl		
1219 (Bottom)								

ANALYSES

SMPL. NO.	FROM	TO	%Zn
10429	916	920	2.48
430	920	924	5.33
431	924	928	Tr.
432	928	932	0.98
433	932	936	1.15
434	936	940	10.10
435	940	948	0.52
436	948	954	5.50
437	954	959	2.93
438	959	966	0.50
439	966	971	3.14
10440	971	978	6.43

Weighted Averages

916	924	8' @ 3.91% Zn
932	959	27' @ 3.52% Zn
916	978	62' @ 3.16% Zn

LOCATION Idol Area
Sector II
Copper Ridge Belt

PROPERTY NJZ M&M-Stapleton Surf.

THE NEW JERSEY ZINC CO.

STARTED 6/5/59 BOTTOMED 6/26/59 LOG BY CWR
SHED NO. DISCARDED

HOLE NO. I-67
ELEVATION 1455.95
COORDS. 729,984.85N; 762,804.65E
BRG. INCL. -90°

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	10					RC	BX-AX 30				
10	242	232	229	Oca		Ls&Dl	Ls 10-184 Dl 184-242 Nu tn Cgs, Grn Shy Dl & Lb Peb Cgs 184-240 Peb Cg 240-242				
242	935	693	647	Oma	M1 342-350	Dl	Brd P.-Bu Dl 274-275 Brd & Contorted Bu Dl w/Sgs & Ce 342-350 Bnd Sgs w/Ce @ top Bu Dl 418 Ce Mtx 444 Brd Bu Dl 448 Ra Sgs in Strat 449 Abu Sgs in Strat 468 Strat 467-470 Sgs 469-470 Abu Sgs 501 Sgs & Sh 529 Ce Mtx in Strat 533 Abu Sgs in Brkn Strat, Dk Dl w/Bu Mot Below 547 Sh w/Ra Sgs 587 Bu Dl w/Sc Sgs 604-612 Abu Sgs 640 Crs Sgs & Sh 646, 648 Ce Mtx 718 Bu Dl 718-719 Sc Sgs 725-729 Ce 729 Sc Sgs w/Sh → Ce Mtx 731-733 Sgs → Ce Mtx → Wh Ce 741-745 Abu Sc Sgs 787 Sgs → Ce Mtx → Sgs 810 Wh Ce 811 Ce 816 Abu Sgs w/Ce Peb s 832 Abu Bnd Sgs w/Dl Peb s 840 Sgs 844 Ce 864 Ce & Sgs 873 Low Ang Fa 881 Abu Crs Sgs w/Ce & Grn Sh 889-890 Abu Bnd Sgs 902 Abu Sc Sgs 934-935	Shi Sp in Ce 743 Trs Sp 1015-1018 (1/4%), 1025-1039 (1/4%) 1041-1042, 1052-1054, 1064-1068 (2%) 1075-1081				
					M4 547						
					M6 640						
					M7 718						
					Ce Mtx 935						
935	1102	167	162				Abu Sgs 946 Sgs → Ce Mtx 974 Abu Sgs w/Ce 989 Brn Oo Ce 994 Ble Dl w/Ce Nods 1003-1004 Ra Sgs 1026, 1036 Ce Chips & Ra Sgs above Grn Sh 1040-1041 6" Grn Sh w/Sgs & Ce 1059 Sgs & Sh 1067	Shi Sp 1106			
					10' Check Sgs 946						
					K1 974						
					K2 989						
					Brn Oo 994						
					LP 1087						
1102	1147	45	41		TR 1102	Dl					
					"A" 1109						
					"B" 1115						
1147	1149	2	2			Ls					
1149	1167	18	16			Dl					
1167	1169	2	2			Ls					
1169	1171	2	2			Dl					
1171	1221	50	46			Ls					
1221	1255	34	32			Dl	Sgs & Ce over Sh 1235				
1255 (Bottom)											

LOCATION Idol Area
Sector II
Copper Ridge Belt
PROPERTY NJZM&M-Stapleton

THE NEW JERSEY ZINC CO.

STARTED 6/27/59 BOTTOMED 7/14/59 LOG BY EWR
SHED NO. DISCARDED Nil

HOLE NO. I-68
ELEVATION 1462.65
COORDS. 730,153.33N; 762,665.53E
BRG. INCL. -90°

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMP. NO	FROM	TO
0	1					RC	NX-BX 10 BX-AX 30				
1	57	56	53	Oca		Ls&Dl	Crs CePebs 44 CePeb & Sh Frag Cg 55-57				
57	771	714	678	Oma	M7(top) 546 M8 639-643 M8+28 664-665	Dl	DK CrsXln Dl 57-64 4' BuDl w/Top 1' BrKn, 1' Strat, 1' Contorted w/Ce @ base, 1' Strat w/Frags 96-100 BrKn Cont Strat 104-108 Fa 136 LtBrn-BuDl, Abu CeNods (Top 1' BrKn w/Sgs @ base , FaZo 205-206 CeMtx 282 Crs Sgs in BrKn Strat 289-290 Sgs 304 Strat w/Sgs @ base 307-309 Tn CeMtx 338 Sc Sgs 349 CeMtx 353 Tn CeMtx 365 Abu Crs Sgs in BuDl 372-373 Sgs 397 CeMtx & Sh → Ce 459 Abu Sgs & GrnSh in BrnMot 465 GrnSh & Ce 468 Abu Crs Sgs 469-470 CeMtx @ base 2' Wvy Strat 538 PebCg → CeMtx → Ce → BuDl w/Ce → Sgs → Ce 546-551 Sgs & Ce 560-561 CotRK 561-563 BrnOo Ce w/Fos? Frags 564-565 Bnd Sgs 573 FaZo 597-598 Sc Sgs in Mot Dl 610 Bnd Sgs & Pebs 635 Sc Sgs & Oo Ce → Sh 637-638 CeMtx & Ce 639 BuDl 639-642 Ce 642 CotRK 648 Sgs 654 Sc Sgs in FaZo Abu Sgs w/Dl Pebs & Frags 664-665 BrnMot Dl w/Sgs @ base 665-667 FaZo 692 Sc Sgs → DK Brn Ce → Abu Sgs & Dl Pebs 708-711 CeMtx w/Ce Pebs 725 Sc Bnd Sgs → Porous	Tr Sp 643-646			
771	928	156	154	Ok	CeMtx 771 10' Check Sgs 777-778 K1 806-807 K2 818 BrnOo 822	Dl	Dl w/Ce Pebs 737-741 Sgs in Fr Zo 777-778 Ce Nod Zo 799-804 Abu Sgs 806-807 Sgs & Ce Pebs 818-819 Brn Oo Ce 822 M-LGy Ry Dl 824-835 Sc Ce Nods in F. Dl 835-865 Sc Sgs 860 Dist Strat 880-881 Sc Sgs 881 Ce Br 881-882 Sgs & Grn Sh 890, 894 Abu Gypsum 924-928 (15°)	Shi Sp 976 Tr Sp 987, 992			
928	1019	91	91		TR-928 "A" 932 "B" 948	Dl	Sc Gypsum 928-942 R Bd is mostly Sc'd Br				
1019	1029	10	10			Ls					
1029	1079	50	50			Dl					
1079	1091	12	12			Ls&Dl					

1091 (Bottom)

R & S Bds 90% Dl

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY Woodrow Davidson

THE NEW JERSEY ZINC CO.

Jefferson City, Tenn.

L Sec C-964

STARTED 5-14-57 BOTTOMED 5-22-57 LOG BY RCG, RFF
SHED NO. _____ DISCARDED _____

HOLE NO. CS-17
ELEVATION 1459.57
COORDS. 735,620.77 770,858.51
BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO			
0	17					RC	BX-AX 30							
17	217	200	167	Oma		Dl	6" Bu Sgs in Strat Dl / 1" OoCe 29 Abu Sgs, Ce chips / Ce Nod 35-37 Sc-Abu Sgs / 1' Silic Dl 46-49 4" Oo Ce 50 Dol Frs 105-107 Num Sgs 108 Si Dl 109-110 OoCe Br 110-111 Si Dl 121 Wk Ble 141-150, 159-161 Sgs / Si Sh 180 Sgs 188 Dk Dl, Shy Ptngs 208-213 Ce Mtx ss 217							
217	371	154	148	OK	Ce Mtx 217 U255 280	Dl	Num Sgs 248 Ble 254-259 Sgs 259 Ble 269-274 Ce Nods 275-278 Dist Strat 278-280 Sgs 280 Ce PbCg 284 Ble 285-292 Sgs 286 Sc Sgs 292-295 Ble 296-311 Ra Sgs 297 Sgs 311, 319 Ble, Strat 320-349 Sgs 324, 329 Sgs 355, 362 Sed Br 366-371	Trs Sp ? Py 223 Tr Py 292 Shi Sh Py 362-363, 366-371 Shi Sp 367						
371	375	4	4		TR? 371	Dl	Crs Xln, Shy, Sed Br							
375	379	4	4		B 378	ore		St Shi Sp in Dol Frs	10163	375	379	4/4	% Zn 4.75	
379	430	51	49		E 407 F 423 G 424	Dl	Fi-Crs Xln Dol Frs 401-418 Blu-Gru Sh 412-414 Ls 414-415 Ce PbCg 424	Sc Trs Sp 379-382, 385	10164	379	385	6/6	0.16	
										375	385	10'	2.00	
430	464	34	32			Ls	Conc forms 436-439							
464	467	3	3		I 465	Dl								
467	510	43	43			Ls	Sgs 486 Num Sgs 491							
510	520	10	7	Olv	Tbed 510-520 O? 520	Dl								
	520	Bottom					R & S bed Dlztn 44%							

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY Woodrow Davidson

THE NEW JERSEY ZINC CO.

Jefferson City, Tenn.

STARTED 5-23-57 BOTTOMED 5-31-57 LOG BY RCG
SHED NO. _____ DISCARDED _____

HOLE NO. CS-18
ELEVATION 1449.31
COORDS. 735,519.61 770,924.63
BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	8					RC	NX-BX 10 BX-AX 34				
8	289	281	242	Oma		DI	Open 20-22 Nu Sgs 30 Sgs 40, 51 43°@ 54' Nu Sgs,				
							CeMtx 100 Sgs, PbCg 105 Ab ScSgs 105-109 Sc				
							Sgs 118-120 Sgs 131 DK DI 137-146 Open 147-149, 150-				
							152, 155-157 ScBn Sgs 178 ↓ Num Sgs 182 38°181				
					BuAc		Ce & Si DI 182-183, 186, 191-192 Ra Sgs, Wk Cg 225				
					256-259		Sgs St PbCg 231 Sgs, Cc, Dol Fr 249 Sgs, CeMtx 289				
289	437	148	137	OK	CeMtx	DI	Sgs PbCg 325 Ble 325-330 St CeMtx ss 330 Bru				
					289		OoCe 333 ScBle 343-415 Sgs, Dist Strat 349-				
					BruOo		353 Ra Sgs, Dist Strat 382 Sgs 384 Ra Sgs 422 8"Ls 423	Shis Py 397-399			
					333						
					U255						
					353						
437	450	13	12		TR437	Ls	Sgs 445				
					A445						
450	455	5	5		B454	DI	FiBuDI 454				
455	462	7	7			Ls					
462	489	27	27		E489	DI					
489	500	11	9			Ls					
500	512	12	12			DI					
512	579	67	61			Ls	DI 542-543				
579	588	9	9			DI					
588	600	12	12	Olv	Tbed	DI	PbCg 588				
					588-597						
600	606	6	6		O 603	Ls	PbCg, Sgs 603				
	606	Bottom									
							R&S bed Dlztn 36 90				

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY Woodrow Davidson

THE NEW JERSEY ZINC CO.

Jefferson City, Tenn.

STARTED _____ BOTTOMED _____ LOG BY RCG
SHED NO _____ DISCARDED _____

HOLE NO. CS-19
ELEVATION 1437.64
COORDS. 735,430.21 770,977.36
BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	27					RC	BX-AX 40				
27	355	328	312	Oma	Sgs in Pb Cg 298	DI	Blc 27-29 Open 29-32 Blc 42-47 Sgs 47, 57 Rd & Grn Sh Br 59-60 Sgs 93 Cot Rk 94-95 Sgs 99, 100 Sgs 137, 165 Sc Abu Sgs 172-173, 174-175, 180-183 6" OoCe 186 Sgs 196 Sgs 219 Num Sgs 223 Sgs 233 Ce Sed Br w Sgs 245 Cot Rk 255-256 ¼" Ce Mtx 260 Nu Sgs 265 Abu Bn Sgs 277 Cot Rk 276 Sgs, Pb Cg 298 Nu Sgs 312 So Sgs 323-325 Ce Mtx 324, 355				
355	515	160	152	Ok	Ce Mtx 355 Bru Oo 400 U 255 420	DI	Ra Sgs 370 Abu Bn Sgs 385-387 Sgs, Pb Cg 393-394 Sgs, Grn Sh 395 Bru OoCe 400 Sc Sgs, Dist Strat 418-420 Ce Cg 427 Sc-Bn Sgs 436-438 Frng 442 Sgs 455 3" Grn Sh 469 Sed Br 506 Dol Br 507-508 Sc Br 508-524				
515	557	42	41		TR 515 B 523 E 557	DI	Fi-MXln Lo Br to 524 Ls 517-518 Br, Sgs, Grn Sh 518-519 Fi Bu DI 523				
557	565	8	8			Ls					
565	624	59	56			DI	Fi Xln 565-580 Crs Xln 580-624 Cot Rk 575 Ls 620-621	Shis Py 582, 592 Sc Shis Py 597-607			
624	632	8	8			Ls					
632	652	20	19			DI	Fi-Crs Xln, Lo Br Cot Rk 639 Ce Pb Cg 646 Crs Xln 646-652				
652	666	14	14			Ls					
666	679	13	12	Olv	Tbed 666-675	DI	MXln, Irreg Ce 668-669 Ce Sed Br 675 Ce Nods 675-679 (U bed)		1438 515 923		
	679	Bottom									
							R & S bed Dlztn 80%				

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY Woodrow Davidson

THE NEW JERSEY ZINC CO.

Jefferson City, Tenn.

STARTED 6-11-57 BOTTOMED 6-22-57 LOG BY RCG
SHED NO. _____ DISCARDED 0-495

HOLE NO. CS-20
ELEVATION 1422.65
COORDS. 735,260.56N 771,077.06E
BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	16					RC	Bx-Ax 21				
16	500	484	445	Oma		Dl	Sc Rddsh 23-27, 33-37 Bu Strat 41-42, 45-46 Sgs 77 PbCg 78 Ce(Cg?) 83 Ce Mtx ss 108 Ce Mtx ss Pod, Bus 123 Strat/Sgs, Br 157 Sc Sgs/Grn Sh 187 Frug, Fa 197 Dol Ae 215-220 Bu Sgs 230 16" Cot Rk 233-234 Sgs/6" Cot Rk 236 Sc Num Sgs 240-242 Ra Sgs 253 Sgs 262 Sgs/Dk Ce Pb Cg 276 Sgs 300 Sc Abu Sgs 308, 309-311 4" Oo Ce/Num Sgs 318 8" Oo Ce, Pb Cg 322 Vug lets 332 Sc Cot Rk, Sgs 333-335 Fa 351 Sgs, Pb Cg 360 Sgs 363 Sgs, Grn Ce/Grn Sh 384 Sc Sgs, Ce Nods, Ce & Bu Dl Cg 388-392 Sgs 401, 406 Nu Sgs 414 Sgs 415, 417 Cot Rk 440 Sgs, Pb Cg 442 Sgs, Oo Ce Pb Cg 456 Frug 489	Tr Sp 234			
					Sgs in Pb Cg 442						
500	659	159	142	Ok	Ce Mtx 500	Dl	Ce Mtx ss 500 Abu Sgs 530 Sgs, Pb Cg 543 Num Sgs, Ce 544 Brn Oo Ce 548 Blc 556-564 Dist Strat 564-567 Sgs 567 Sgs, Py flecks 582 Blc 572-603 Sgs, Ce Pb Cg 587 Sgs 603 Cot Rk 632-633 Sgs/4" Grn Sh 645 Sgs 653	Shis Py 630-632, 634, 635			
					Brn Oo 548						
					U 255 567						
					LP 645						
659	734	78	76		TR 659 A 668 E 715	Dl	Sgs/8" Grn Sh/Sgs & Ce 660 Ce rep Dl 664-665 Ra Sgs 668 Sed Br 684 Frug 685 Abu Vuggy Dol 691-695 Cvs Xln 715-734	Shis Py in Dol 679, 683, 686, 691-694 Tr Sp 697 St Shis Py in Dol 708-709, 710, 713 St Py in Cvs Xln 718, 719			
734	737	3	3	3% Zn est.		Aove					
737	780	43	43			Dl	Cvs Xln 737-757 Si Dl 737-739, 741-745, 754-755 Fi-M Xln 757-770 Cvs Xln 770-780	Shi Py 742 St Py 746-749 (15%) Tr Sp 747 St Py 750-751, 774-776		1423 659 764	
780	829	49	41	Olv	Tbed 780-785	Dl	Sgs 785 Brn Bu Dl; Wh Ce Nods 785-791 Abu Sgs 827-828				
	829	Bottom									

Rds bed Dl zin 100%

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY Woodrow Davidson

THE NEW JERSEY ZINC CO.

Jefferson City, Tenn

STARTED 6-22-57 BOTTOMED 7-8-57 LOG BY RCG
SHED NO. DISCARDED

HOLE NO. CS-21
ELEVATION 1385.41
COORDS. 735,083.22 771,180.97
BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL NO	FROM	TO
0	22					RC					
22	758	736	688	Oma-Ok	CeMtx? 645 U2SS? 698	DI	Red Strat 33-35 Sc Rddsh 55 Bu Strat 69-71 Sc Red 93-100 Dip on Bedding 37° at 95 Fa, slickensides Strike N10E, dip 55° NW 96 Sgs 100 Bu DI, Cc Nods 102-111 Irreg Cc 106,107,109 Cc Ac 131-134 Grn Sh, Oolc 142 Sc Ra Sgs 157-158 Sgs 170 even Strat 170-175 Dk DI 182-195 Si DI 195 Dist Strat 220-223 Sgs 223 Frng 254-264 Vug 270 We 293 Dk DI, Shy Vugs 293-301 Ble 302-308 8" Grn Sh 317 Open 321-323 Sgs, Dist Strat 324-328 Sgs, Cc Pb Cg 353 Vugs 354, 366, 375 Sgs 362-364 Ra Sgs 374 Wk Frng 380 Sgs 391 Sgs Cc 423, 429 Abu Sgs, Cc 431, 438-440 Bru Pb 400 Cg in Wht Cc 442 Sgs 452 Num Sgs 478 Sc-Bu Sgs 497-499 Cc Pbs in Irreg Cc & Sh 499-500 Sgs, Cc pieces in Wht Cc 501-502 Fi Bu DI 502-504 Wht & Gy Cc flakes 510 Sgs & Mot DI 518, 523 Nu Sgs 526-528 Sgs 530, 554 Cc Pb Cg, Sgs (Oo?) 566 Sgs 577-580 Frng 597 Num Fi Sgs 639 Si DI/Abu Sgs 645 Cc Pb Cg 650 Ble 659-669, 675-683 Mxlu, Sed Br 704-709 Mylou 711 Frng 715-717 Grn Sh 719					
758	796	38	34	OK	TR 758 B 764 C 780 E 796	DI	Sgs 758 Ls 759-761 Fi Bu DI 764 Wiggly Cc 777				
796	804	8	8			Ls			1385 / 75 / 827		
804	815	11	11		F 809 G 810	DI					
815	880	65	65		J 864	Ls	Sc Dol. Frs 821-840 Sgs 859, 864				
880	896	16	12	Olv	T Bed 880-892	DI	Sgs 896				
896	903	7	7			Ls					
903	914	11	11			DI					
	914	Bottom					Rds bed DI zth 40%				

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY Woodrow Davidson

THE NEW JERSEY ZINC CO.

Jefferson City, Tenn.

STARTED 7-8-57 BOTTOMED 7-29-57 LOG BY RCG
SHED NO. B-8 DISCARDED none

HOLE NO. CS-22
ELEVATION 1376.81
COORDS. 734,812.38 771,331.54
BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	2					RC	NX-BX 13 BX-AX 30				
2	171	169	130	Oc		LS	Pk, Crs Xlu, ho sh 2-13 Gy M Xlu, Shy Ptugs 13-59 Gy F Xlu, Ra Sh Ptugs, Styl 59-98 Gy F Xlu, Ra Sh Ptugs, Styl, Lo St Wh + Ac 98-118 Gy F Gr, Lo Shy Ptugs, Lo Wvy 118-171 Bs Cg 170-171				
171	823	652	607	Oma		DI	Ce 207 Brn Ce 209-211 Ce 212-218 dip 34° @ 250 M Dk Gy DI 220-249 Sc Rddsh 254-255 Ce & Cot Rk Br 265 Sc Rddsh, Lo Intense 274-291 Lt Gy - Bn DI, Cc Nods + Frags 322-331 Sc Wk Rddsh 344-363 6" St Oo Ce 361 Bn Strat 385-386, 389-392 Sgs, Ce Nods 389 Sgs, Cg 434 Sc Ra Sgs, Strat DI 435-439 Sgs 462 dip 30° 450 Wk Frag 475 Sgs 479, 482 ½" Ce Mtx ss 489 Sgs, Dist Strat 494-495 Dk DI, Shy Ptugs 506-514 Ra Sgs 517 Cc & Dk DI 534-536 Ce 550 Sgs, Pb Cg Ce Mtx, Grn Sh 568 Cot Rk 571 Sc Sgs 573-574, 576-578 Sgs 604, Sgs, Ce Pb Cg 610 Dk DI, Shy ptugs 615-622 Ce Mtx ss 634 Sc Sgs, Irreg Cot Rk 641-642 Num Sgs 643 Sc Abu Sgs 650-652 Oo Ce Nod 651, 655 Dk Brn DI 673-678 Sgs 691 Sgs / 30" Cot Rk & Irreg Cc 711-714 Irreg-Cg Ce 718-719 Cot Rk 725-726 Sc-Bn Sgs 740-742 Sgs 744 6" Cc Pb Cg 759 Sgs in Pb Cg 765 Sgs 766 Sgs, Cot Rk 780 Sgs 792 Ce Mtx ss 793 dip 34° @ 808 Frag 813 Dk DI, Shy Ptugs 814-820 Gy Brn Strat 820-823 Cc Mtx ss 823	Tr Py 723			
					Sgs in Pb Cg 765						1377 990 387
823	973	150	129	Ok	Ce Mtx 823 Brn Oo 873 U 2ss 896	DI	Frag 849 Sgs 858 Sgs, Grn Sh, Ce Pbs 867 Sgs 869 Oo Ce 873 Mod-St Ble, Dist. Strat, Ce Nods 880-888 Sc Sgs 884-886 wk Ble 901-911 Dist Strat 911-915 Sgs 915	Tr Sp 961			
973	977	4	4	3% Zn est		Aore		Shis Sp in Dolfrs			
977	990	13	12			DI		Shis Sp 983, 984 Trs Sp 985, 986 Shi Sp 988			
990	999	9	9		TR 990	DI		Tr Sp 994			

LOCATION

PROPERTY

THE NEW JERSEY ZINC CO.

STARTED BOTTOMED LOG BY
SHED NO. DISCARDED

HOLE NO. CS-22 (continued)
ELEVATION
COORDS.
BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO	Rec/Feet	% Zn
					B993								
999	1019	20	20	OK	1.75% Zn	Aore		Shis Spin Dol fvs, Sed Br	10185	999	1004	5/5	2.03
									10186	1004	1009	4/5	0.35
1019	1023	4	4			DI	Abu Sed Br		10187	1009	1014	5/5	3.30
									10188	1014	1019	5/5	1.33
1023	1029	6	6	2.25% Zn		Aore		Shis Spin Dol fvs, Sed Br	10189	1023	1029	6/6	2.25
1029	1035	6	6			DI	Abu Sed Br						
1035	1037	2	2	4% Zn est		Aore		Shis Spin Dol fvs		999	1019	20'	1.75% Zn
										1023	1029	6'	2.25% Zn
1037	1057	20	18			DI	Abu Sed Br	Shis Sp ~~in Dol fvs~~		999	1029	30'	1.62% Zn
1057	1060	3	3			Ls							
1060	1070	10	10			DI	Ce, Cot Rk Pb Cg 1060-1063 Crs Xln DI 1063-1070	Shis Py 1063, 1064 Trs Sp 1063, 1064 Sc Trs Py 1064, 1067					
1070	1093	23	23		J1081	Ls	Ra Sgs 1076 Sgs 1081 Mxln DI 1092-1093						
1093	1104	11	11	Olv	Tbed 1093-1098	DI	Fi Xln DI, Ce Nods						
	1104	Bottom											

1093
999
103

3
103 | 3.0

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY Woodrow Davidson

THE NEW JERSEY ZINC CO.

Jefferson City, Tenn

X Sec C-1283

STARTED 7-29-57 BOTTOMED 8-15-57 LOG BY RCG
SHED NO. _____ DISCARDED _____

HOLE NO. CS-23
ELEVATION 1348.48
COORDS. 734,899.95 N 771,281.62 E
BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	9					RC	NX-BX 10 BX-AX 40				
9	57	48	42	Oc		Ls	Gy Fi Gr Ls w Shy ptngs Cg 35 DI 48-50				
57	710	653	604	Oma		DI	Cg 60,65 Cot Rk 108-113 Dk Brn Xln DI, LoCT 114-144 Brn Wvy Strat 158-162 Cc Nod 162 Sc Rddsh, Lo Intense 170-184 Fi Bn DI w Cc Nods 213-224 Sc Rddsh 238-265 OoCc, Sgs(?) 254 Sgs/Brn Strat 277 Sgs & Cc Nods 282 Sgs 305, 308 OoCc 319 Sc Sgs, Strat DI 329-332 Sc Rddsh 336-370 Sgs 369, 375, 377, 381 Sgs, Dist Strat 389-390 4" Grn Sh 401 Sgs 420 Ra Sgs 432 DI Pbs in Sg Mtx/3" Cot Rk 460 6" Cot Rk 462 Sgs, Cc, Grn Sh 463 Sc Sgs 467-468 Fa 487 Sgs 494, 500 Cc Pb Cg 501 Bn Sgs, Cc Nod 525-526 Cc 532 Abu Sgs & Cc 534 Sc Abu Sgs, Cot Rk 540-544 Cot Rk/Pb Cg/OoCc 545-546 Sc Sgs 554-555 Num Sgs 581 Sgs 591 Sgs/Cc Pb Cg 601 Cot Rk 611 Sgs 616 Sgs & Pb Cg 629 Sgs Sc 629-633 Cg Cc 644-645 Sgs 654, 666, 693 Cc Mtx ss 710				
710	875	165	125	OK	Cc Mtx 710 U 255 773 LP 862	DI	Sgs 738, 740 Sgs/Cot Rk Pbs/Nu Sgs, Grn Sh 748 Ra Sgs 756 Sgs, Dist Strat 773 36° @ 828 Sgs/ 6" Grn Sh 862	Tus Sp 858			
875	988	113	90		TR 875 B 881	DI	Fi-M Xln, Lo Cus Xln Sed Bn 917-954 Cus Xln, Abu Cot Rk 954-968	Sc Shis Py 917-928 Py 996			
988	1002	14	10		J 990	Ls	Sgs 990				
1002	1025	23	15	Olv	Tbed 1002-1004	DI	Fi-Fi Xln 1002-1004 Fi-M Xln 1004-1025 Cot Rk Nods 1005, 1013, 1014, 1024-1025			1348 875 473	
	1025	Bottom									

RES % DI

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY Woodrow Davidson

THE NEW JERSEY ZINC CO.

Jefferson City, Tenn

X Sec C-1283

STARTED 8-16-57 BOTTOMED 9-7-57 LOG BY RCG
SHED NO. _____ DISCARDED _____

HOLE NO. CS-24
ELEVATION 1393.14
COORDS. 734,724.69N 731,381.48E
BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE.	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION
0	5					RC		
5	243	235	164	Oc		Ls	Gy MXln Sty 5-46, Shy Zos 10-18, 20-26, 32-37 Gy Fi-Fi Xln, Hy Sh 46-75 Pk MXln Mbl 75-93 Gy MXln Shy 93-122, Sty, noSh 112-116 Fi Gr Wk Shy, LoSty, RaLoPk 122-243 Open 160-190	
243	895	652	558	Oma		Dl	Blk Ce 287 CotRk Cg 293-297 CotRk Nods, Brn Strat 342 Fi Bu, Ce Nods 396-404 Bu Sgs 462 Sgs 546, 551, 554 Sgs Ce Mtx 561 Num Sgs 568 CotRk 624 Abu Sgs, PbCg/GrnSh 640 CotRk 642-644 Sc Sgs 645-646, 649-651 Wk Fa 666 Sgs 676 Sgs, Ce Nod 706 Ce Sed Br 714 Abu Sgs 715-716 Abu Sc Sgs, LoCotRk 721-728 Sc Sgs/CotRk w Dol Seams & rhombs 735-738 Ra Sgs 772 Sc Sgs in strat 781-783 8" CotRk 783 Ce Pbs Sgs 784-786 CotRk 796 Num Bu Sgs, Ce Pbs 812 PbCg 816 Ce Pbs 831 Sgs & CotRk Chips 836 PbCg, Sgs 838 Sgs/CotRk 865 Sgs 862 Ce Mtx SS 895	Shis Gyp 518, 519, 521, 528, 534 St Shi Sp 644 Shis Gyp 644½, 657, 669, 670, 679, 696, 700, 715 Shi Sp 785
895	1019	124	119	Ok	Ce Mtx 895 Brn Do 946 Y255 968	Dl	Sgs 915 Sgs Cg 936-937 Abu Bu Sgs 942 Brn Do Ce Cg 946 Ble 954-965 Sgs, basc of strat 968 Sed Br 991-993 Sgs 996 Ce Br 998	Trs Sp 992, 1008 1014 Shi Sp 1016
1019	1030	11	11					
1030	1062	32	26			Dl		Shis Sp 1036, 1047, 1054
1062	1066	4	4		TR 1062	Dl	Crs Xln, Sed Br	
1066	1088	22	21		B 1071			
1088	1099	11	11			Dl		Trs Sp 1090, 1095
1099	1105	6	6					
1105	1109	4	4			Dl		
1109	1115	6	6			Ls		
1115	1124	9	9			Dl		
1124	1143	19	19			Ls		
1143	1150	7	7			Dl		
1150	1166	16	15			Ls		
1166	1200	34	27	Olv	T-U beds	Dl	Ls 1186-1189 Sgs & Grn Sh 1187	
	1200	Bottom						

ANALYSES

SMPL. NO.	FROM	TO		rec/ft.
10203	1019	1025	6/6	1.10
10204	1025	1030	6/5	0.70
10205	1066	1072	6/6	0.88
10206	1072	1078	6/6	1.26
10207	1078	1083	4/5	0.98
10208	1083	1088	5/5	1.03
10209	1099	1105	6/6	1.03
Weighted Averages	1019	1030	11'	0.78
	1066	1088	22'	1.04
	1099	1105	6'	1.03

LOCATION Copper Ridge Belt
Sector II
Area H

PROPERTY J.R. Davidson (N.E. Tract)

THE NEW JERSEY ZINC CO.

STARTED 9-9-58 BOTTOMED 9-23-57 LOG BY RCG-WJC
SHED NO. B-8 DISCARDED 0-189

HOLE NO. C-S-25
ELEVATION 1570.80
COORDS. 736,823.01 ; 772,814.18
BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION
0	70	70	—			RC	Bx - Ax 86	
70	290	220	153	Oma		Dl	Sc Num Sgs 91-94 Ce + Cot Rk 94-96½ Open 95-96, 133-138 Num Sgs 165 Ce, Oo, Frags Sgs, Brn Dl 165-167 Sed Br 167-171 Sgs 186 Sgs, Strat Dl 205 Ce Nod 224 Sgs, Peb Cgl 230 Oo's 247 Sgs/12"S, Dl 261-262	
290	468	178	153	OK	CeMtx 290 Brn Oo 348 U-255? 371 TR		Sgs 300, 302 Ce Cgl 318 Ce Cgl, Sgs 342 Ce Mtx Ss 343 Brn Oo Ce 348 Sgs, Brn Sh 381 Sgs 387-388 Ce, Grn Sh Br 408-409 Sgs 409, 454 Fa 461	Tr Sp 411-426 Shis Py, Tr Sp 446 Tr Cu w/ Py Rosettes marcasite
468	537	69	63	OK	468	Dl	4" Grn Sh 468 Sgs 470 Sc Cot Rk 474 Ce Br 486-487 F, Gr Dl 496-500 Opening 506-508 Sed Br w/ Lo F, Dl 468-537 F, Gr Dl 530-537	Sc Tr Sp 472-478
537	540	4	4				Silicified Ls	
540	554	13	11			Dl	Crs Xln Dl	
554	577	23	23			Dl	F, Gr Gy Dl Ce 569 Sgs 578, 580	Lo Py 541-554
577	600	23	20	Olv?		Dl	Sgs 594	
600	603	3	3			Ls		
603	613	10	6			Dl	Brd Ce	
613	629	16	16			Ls	1/2" Sgs in Sh 616 2" Ce @ 629	
629	636	7	7			Dl	M-Xlm	

Bottom 636

R&S Bd 83% Dolomite

ANALYSES SMPL. NO	FROM	TO

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY W. Davidson (NVZ M&M)

THE NEW JERSEY ZINC CO.

AX-TENN C-1283 DipSert

HOLE NO. CS-26

ELEVATION 1382.88

STARTED 9-18-57 BOTTOMED 10-9-57 LOG BY RCG-WJC COORDS. 734,635.14 ; 771,432.67

SHED NO. B-8 DISCARDED BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION
0	10					RC	Nx-Bx 10 Gy M-xln Ls, Shy Ptgs 0-65 M xln Push	
10	241	231	231	Oca		Ls	Sty 65-72 Gy M xln Shy 72-85 Gy M-xln Sty 85-92	
							Ol type Ls w/Lo Oh type 92-168 Bx-Ax 120 Oh Type	
							Ls 168-185 Ol Type Ls, Gy Xln Abu Shy Ptgs 185-204 M-xln	
							Sps Shy Ptgs 204-241	
241	319	78	74	Oca		Ls	Oh type w/Shy Ptgs 241-327	
319	974	655	612	Omc		Dl, Lo	1" Rd Sh 353-354 2" Bd Ce 364 Crs Rex In 397-405 Bd	
						Ls	Ce 432 Rd & Grn Mot Dl 440-455 F, Bu Dl w/ Ce Nds 485-	
							494 Lt Gy Mot Dl 517-526 App Dip 40° @ 529 WK Hi Am Frg 543	
							Sgs 549 V Crs Bnd Sgs, Ce Chips 552 Ce, Grn Sh Bellow 3'	
							Mod Strat Dl 557 Ce Nds in Bu Dl 555-564 Brn Mot Dl	
							w/ Aes 564-576 Sgs, Ce 577 Bnd Sgs 584 App Dip 45° @ 612	
							Sgs 642 Bnd Crs Sgs 645 Sc Sgs 657-658 Lt F, Grn Dl w 2"	
							Grn Sh @ Bs 678-682 Bd Ce 717 Abu Sgs Ce, Sh 732 Sgs Qtzt	
							740-741 Sgs in Sed Br 742 Abu Sc-Bnd Sgs 743-744 Brwn	
							Mot Dl w/ Aes 787-800 Abu Crs Sgs (Ce Mtx) 803-804 Abu Sgs	
							806 2' Abu Sc Sgs above 2' Bd Ce 818-820 Oa Ce 825 Crs Sgs 832	Sh. Sp in Ce 927
							Abu Ce Mtx Sgs 909-911 Crs Sgs 932-933 Sgs; Peb Cgl 934 Crs Bnd	Sh. Py 933, 987, 990
					Ce Mtx		Sgs 949 Crs Bnd Sgs 949-950 Sgs Ce Mtx 961-962 1" Bnd	Tr Py 1004, 1009,
					974		Sgs 974	1005
974	1049	73	70	OK	Bm Ds 1042	Dl	Fa 980 Abu Sgs 1000-1001 Sgs Sc, Crs 1019 Sgs in Br	
					U-255		1034 Ce Br, Sgs 1041-1042 Br 00 1042 Crs Sgs in Ce,	
					1066		Dl Br 1045, 1046 Sgs in Dist Strat U-255-1066	
1049	1074	24	24		TR		Mineralized	
1074	1154	80	71	OK	1154	Dl	Sgs 1084, 1088 Peb Cgl, Sgs 1088 Sgs 1098 Ce Sed Br	
							1104-1106 Crs Sgs 1105 Sgs in 2" Grn Sh 1113	Sh. Sp 1077 Tr Sp
1154	1236	82	67	OK	J Sgs?	Dl	V Crs Rex In 1212-1236	1079, 1081 Sc Trs
1236	1245	9	7		1242	Ls		1087-1088 Tr Sp
1245	1293	48	45		Zero B?	Dl	Sgs in Ls 1242 (J?) App Dip 55° @ 1242, 35° @ 1268,	1090 Tr 1102, 1103
					1267		45° @ 1264	Py 1105 Tr Sp 1131
								St Sh Sp 1143, 1148
								Tr Sp 1168, 1170 Trs
		Bottom 1293					R & S Bd 90% Dolomite	Sp 1189-1190 Tr Sp
								1191

ANALYSES SMPL. NO.	FROM	TO		% Zn	
	1049	1054	5'	0.60	
	1054	1059	5'	2.50	
	1059	1064	5'	0.97	
	1064	1069	5'	0.57	
	1069	1074	5'	1.63	
	1049	1074	25'	1.22	%
	1121	1125	4	3.05	
	1125	1129	4	2.03	
	1121	1129	8'	2.54	%
	1172	1177	5'	1.98	
	1177	1183	6'	2.38	
	1172	1183	11'	2.30	%
	1202	1205	3'	0.60	%

LOCATION Copper Ridge Belt
Sector II
Area H

PROPERTY J.R. Davidson; NE Tract

THE NEW JERSEY ZINC CO.

Sect. Ax. Tenn C - 1318

HOLE NO. CS-27

ELEVATION 1495.66

STARTED 9-23-52 BOTTOMED 10-15-52 LOG BY WJC

COORDS. 236,546.21 N; 272,952.03 E

SHED NO. B-8 DISCARDED

BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	20	20	-			RC	Bx - Ax 50				
20	491	471	451	Oma		Dl	Sc Sgs 54 Abu Sgs 63 Cavity 70-72 Abu Sc Sgs 72-73 Sgs above 1" GrnSh 101 Sgs 109 Ce Bd 161-162 Crs Sgs 170-171 WK 60° Fa 195 Sgs 195 Sgs 203-204 Bd Ce 213 WK Frg Fa? 225 Abu Sgs 244-245 Brn Fi Grn Dl w/Ce Nds, Ac's 230-240 Oo Ce 241 Ce 249, 251 Sgs Qtzt 252 Sgs 258 Sgs, Ce Br 259-260 Abu Sgs 263 Sgs in Dl Br 264 Bd Ce 266-268 Rq Sgs 268 Sgs 272 Sgs, Ce Peb Cgl 273 Vug 279 Lo Ang 45° Fa 305 Crs Bnd Sgs Below 3" DK Gy Dl 337-338 Peb Cgl 336 Sgs 337 Bd Ce 337-338 Peb Cgl 347 Sgs 368 Crs Sgs @ Bs of Mot Dl 371 Rq Sgs 372 Sgs, Peb Cgl 381 Crs Sgs 391 Sgs in Br 402 Sgs 411, 412 414 Crs Sgs 416 Sgs 420 Crs Sgs 422 Sgs above 3" Ce 428					
					CeMtx		Sgs, Peb Cgl 461 Rq Sgs 463, 468, 479 CeMtx 491				
491	644	153	131	OK	491	Dl	Sgs in Br 498-499 Sgs 504 Crs Sc Sgs 511 Rq Sgs 521-522 Fi → Crs Bnd Sgs 530 - Abu Sgs Qtzt 534 Sgs, Oo Ce 553-554 Pb Cgl, Sgs 557 Sc - Bnd Sgs 564-565 Sgs, Ce Cgl 571 Abu Sgs in Ce Br Below a Strat 573 Sgs in Silicy Dl 577 Sgs 578 Rq Sgs 583 Bnd Sgs 584 Wk? Lo Ang Fa 585 Peb Cgl, Rq Sgs 586 Sgs in Bd Ce 590-591 Wk Frg 595 Oo Ce 598 Sgs 599 Rd Mot Dl 600-601 Sgs 603 Crs Rq Sgs in Sed Br 607 Sgs 610 Dist Strat, Bu Dl w/Ce Nods in Br Zo 619-630 (u-255 Like Zo) Sgs 625 Lo Ang					
					TR						
644	800	156	151	OK	644	Dl, Ce	Fa 630 Crs Sgs in M xln Dl 652 Fa? Frg 682 Hi Ang Fa 687 Br. Ce Zo 702-746 M-xln Dl 652 Fa 682 App Dip 55° @ 762 Sgs 768 Bd Ce 774-778 Sgs 785				
					J Sgs? 768						

Bottom 800

R&S - 100%

LOCATION Copper Ridge Belt
Sector II
Area H

PROPERTY Robert Mallicoat

THE NEW JERSEY ZINC CO.

Sect Ax-Tenn B-1320 C-1323

HOLE NO. CS-28

ELEVATION 1476.60

STARTED 9-27-57 BOTTOMED 10-10-57 LOG BY WJC

COORDS. 735,089.99 769,794.39

SHED NO. DISCARDED None

BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	24	24	–			RC	Bx - Ax 111				
24	212	188	157	Oma		Dl	Sgs CeChips, Nds 35-38 Sc-Bnd Sgs 46-49 CeChips 49				
							1' Recovery 71-111 Bed Ce 113-114 Sgs 118 Sc-Bnd Sgs 129				
					+85 Sgs		(85) Sc Sgs above Ce 130-132 Peb Cgl, Sgs 149 Sgs in CeMtx 152				
					129		Sgs, Peb Cgl 154 Sgs 156 Sgs, Peb Cgl 166 Sgs, Ce 175-178				
					CeMtx		Wk Frg 186 Sgs Qtzt 202 Sc-Bnd Sgs 210-212 (CeMtx				
212	339	127	117	Ok	212	Dl	Wk Frg 222 Bnd Sgs in Dist Strat 231-234 Wk Frg 237				
					Brn Oo		Brn Oo 246 Ce Mtx Sgs 242-244 Fr Zo 253-254 Ce Nds	Tr Sp 324			
					246		in Bu Dl - 264-268 Sgs in Strat Dl 270-271 (U-255)				
					U-255		Abu Sc-Bnd Sgs 283-284 Wk Frg 289 Sgs, Grn				
					271		Sh 339 (TR				
					TR						
339	352	12	12		339	Dl					
352	356	4	4			LS					
356	389	3	3			Dl					
359	360	1	1			LS	Sps Sc Sgs - 359-360				
360	361	1	1			Dl		1477			
361	364	3	2			LS		339			
364	367	3	3			Dl		1138			
367	369	2	2			LS					
369	373	4	4			Dl					
373	375	2	2		E?	LS					
375	386	11	9		386	Dl					
386	394	8	6			LS					
394	402	8	6			Dl					
402	413	11	10			LS					
413	424	11	9			Dl					
424	442	18	16			LS					
442	444	2	2			Dl					
444	500	56	53			LS					
	500 Bottom										
							R&S Beds 41% Dolomite				

LOCATION Copper Ridge Belt
Sector II
Area H

PROPERTY J.R. Davidson; N.E. Tract

THE NEW JERSEY ZINC CO.

Sect. A-X-TENN C-6318

STARTED 10-16-57 BOTTOMED 11/1/57 LOG BY WJC

SHED NO. B-8 DISCARDED

HOLE NO. CS-29

ELEVATION 1457.09

COORDS. 736,411.98 723,070.40

BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	8	8	–			RC	Bx-Ax 30				
8	617	609	600	Oma			App Dip 40° @ 51 Ce 65 App Dip 40° @ 66 Blk Ce 131 Co Ce 141 App Dip 40° @ 171 Bd Ce 186-188 Sqs in Gy Strat 203 Bd Ce 209 Bd Ce 230-232 Abu Sqs above Mot, Br Dl 235 Blu Ce, Grn Sh above Abu Sqs @ 239 Frq St Fa 252-254 Sqs over DK Dl 258 Sc Sqs 270-271 DK Dl w/Ae's 289-308 Fr Bnd Sqs 278 Bd Ce 294 Ce Mtx Sqs 310-312 Bd Ce 312, Sc Sqs in Mot Dl 318-321 V-Abu Ce Mtx Sqs 329-332 Bd Ce 332-333, 336 Sed Br 343 Sed Br Stronger 367 Frq Fa Zo 393-397 Ce Mtx Sqs 400 Bd Ce 406, 416 Abu Sqs 425 Sc-Bnd Sqs 433-435 Sqs, Ce Chips 436 Oo? Ce 462-463 St 45° Fa 515 Lt Gy Strat 515-521 Abu Bnd-Sc Sqs 549-550 Sqs, Ls Pebs 560 Sqs, Peb Cgl 567, 586-632 Abu Sqs 616-617 (Ce Mtx Ss)					
					Ce Mtx						
617	777	160	165		617	Dl	Crs Sqs in Dl 622 WK Hi Ang Frq 636-640 Oo Ce, Sqs 675				
					U-255?		Lo Ang Fa Zo 15° 716-718 Bu Dl w/Ce Nds 710-716				
777	782	5	3		TR?	Ls	Hvy Bd Ce 694-696				
782	796	14	13		759	Dl	Rd Mot Dl 782-790				
796	802	6	4			Ls					
802	808	6	6			Ce	Hvy Bd Ce 802-808				
808	810	2	2			Dl					
810	811	1	1			Ce					
811	814	3	3			Ls					
814	815	1	1			Ce	Sqs, Sh 814				
815	817	2	2			Ls					
817	819	2	2			Ce					
819	827	8	8			Dl	Ra Sqs 825				
827	830	3	3			Ls					
830	882	52	50			Dl, Ce	Intensly Brecciated & Silicified Sqs Crs 863-864, 866-867 Sqs 878 Sqs Sc Sqs 882 Sed Br. w/Ce, Dl				
882	901	19	19			Dl, Ce	Frags 880-906 Sc Sqs 899-905				
901	916	15	13			Dl	F. Grn Dl - 912				
916	927	9	9			Dl, Ce	Ce Peb Cgl 917 St Ce 918-927				
	Bottom		927				R&S Bd 65% Dl				

Sect Ax-TcNN C-1318

THE NEW JERSEY ZINC CO.

LOCATION Copper Ridge Belt
Sector II
Area H

PROPERTY J.R. Davidson · N.E. Tract

STARTED 11-3-57 BOTTOMED 11-25-57 LOG BY WJC

SHED NO. _____ DISCARDED None

HOLE NO. CS-30

ELEVATION 1308.55

COORDS. 736,011.26 N ; 773,239.40

BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	2	2	–			RC	NX-BX-10 BX-AX 20				
2	692	690	641	Oma		Dl	Brecciated Ce 83-84 Brwn Strat 77-80 Int. Rd Mot 103-107 Lt Gy Strat Dl w/Ce Nds 140-145 Grn Sh, Silic'f Dl 185 Ra Crs Sgs, Ce 215 1' Strat over 4' partially recryst, Mot Dl, Ra Sgs 245 Gy Strat w/Sgs 245 Sc-Bnd Sgs below 3' Brn Strat 331 Sgs above 4' Lt Gy Ble Dl, Bd Ce 367 Sgs above 2' Strat wh Ce 417-418 Sc-Bnd Sgs below 1' Mot in Strat 423-425 Ra Sgs 451 Crs Sgs, Ce 457 Med Gy Dl w/Ac's 470-482 Abu Crs Sc-Bnd Sgs 483-485 Sc-Bnd Sgs → Ce Mtx Sgs 494-495 Crs Abu Sgs grading into Ce Bd 570-571 Crs Sgs 583 Abu Sc-Bnd Sgs 597-598 Sgs Ce, Grn Sh 620 Abu Sc-Bnd Sgs 625 V Crs Abu Sgs, Brwn Oo Ce 640-641 Abu Bnd Sgs, Grn Sh, Ce 655 Lt Gy-Brwn Strat Dl w/Ce Nds 663-671 Lt Brwn Strat Dl over Ce Mtx Sgs 684 Crs Abu Ce Mtx Ss below 4' Mot 692				
					Ce Mtx						
692	841	149	136	OK	692	Dl	Abu Sgs 4' below Gy Dl w/Abu Shy Ptgs 721 Crs Sgs, Ce above 1' Mot Bd Ce 725-726 WK Frg 729 Sc-Bnd Sgs below dist Strat 757-758 Ce Nd Zo in Fi Dl 735-781 Sgs Ce Chips 775 Sgs, Grn Sh 800-801 Sgs, Sh below 2' Strat 805 Fa 822	Tr Sp 768			
					U-255?						
					758						
					TR						
841	876	35	28		841	Dl	Sgs, Sed Br 854, 855				
876	880	4	4			Ls					
880	891	11	11			Dl	Med-Crs Cry St				
891	895	4	4			Ls					
895	913	18	18			Dl	Med Xln				
913	916	3	2			Ls					
916	924	8	8			Dl					
924	928	4	4			Ls					
928	933	5	5			Dl	Fi Grn Gy Dl				
933	961	28	28			Ls					
961	984	23	23			Dl	Ce Sed Br 973 Sed Br 977-984				
984	988	4	4			Ls					
988	995	3	3			Dl					
995	999	4	4			Ls					
999	1017	18	18			Dl	Sgs 1002, Sgs 1006 V Crs Xln 999-1000 St Ce 1006 1008 Crs Xln 1008-1011 DK Fi Grn Dl 1011-1017 Oo Ce 1016				
	Bottom 1017						R&S Bd 71% Dolomite				

LOCATION Copper Ridge Belt
Sector II Area H

PROPERTY Carl Holt

THE NEW JERSEY ZINC CO.

Sect - C-1329

STARTED 11/28/57 BOTTOMED 12/7/57 LOG BY WJC
SHED NO. DISCARDED NONE

HOLE NO. CS-31
ELEVATION 1542.65
COORDS. 737,670.79 773,728.24
BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	54	54	—		Ce Mtx	RC	Bx-Ax 80				
54	262	208	176	OK	75		Crs Ce Mtx Sgs 59 Cavity 68-70 Crs Sg Sgs 73 Abu	Py 127 St Sp 155-			
					U-255?		Crs Sgs 75 Oo Ce 177 Abu Fi Sgs 194 Sgs in Sed	Sc Trs 156-174 Shi			
					136		Br 196-198 St Py 199-205 Oo Ce, Sed Br 196-	Py 176. Tr Sp 183-			
262	371	109	96	OK	TR?	DI	Sgs, Sed Br 148 Sgs in Dist Bnd 145-146 Sgs Ra,	184, 196 St Shi Py,			
					262		Crs 335 Fi Grn Gy DI 337-339 Crs Rex In DI 341-	Tr Sp 199 Shi Sp			
					E?		346 Intense Sed Br 355-362	207 Tr Sp 208			
371	385	14	14		300	LS		St Shi Py 211			
385	386	1	1			DI					
							Sgs 402 Frg 442-448 30° Fa 448				
							ELEV TR 1281				
							R&S Bed 9.3% Dolomite				
	Bottom 452										
							1543				
							262				
							1281				

LOCATION Copper Ridge Belt Sector II Area H

THE NEW JERSEY ZINC CO.

AX-TENN C-1823

HOLE NO. CS-32

ELEVATION 1470.16

STARTED 12/5/57 BOTTOMED 12/20/57 LOG BY WJC

COORDS. 734,850.37 769,927.75

PROPERTY R. Mallicoat

SHED NO. DISCARDED None

BRG: INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	30	30	–			RC	Bx-Ax 80				
30	427	397	361	Oma		Dl	Ox 45-53 Lt Fi Grn Dl 95-99 Sc-Bnd Sgs 99 Ra Crs Sgs 107 Rexln below 2' DK Gy Fi Grn Dl 112-116 Sgs over 3' Mot 122 1' Wh Bd Ce 152-153 Ce Sed Br 153-154 Abu Sgs in Strat Below Ce Sed Br, Mot Dl 159 Sgs in Mot Dl 187 Sgs over Mot Dl 194 Mot Dl w/Ae's 207-219 Sc-Bnd Sgs → Ce Mtx Sgs 223 Abu Sgs in 6" Recryst below 6" Blu Ce Brn Ob, Sgs below 1' Wh Ce 244 Abu Sc Sgs below Recryst 254-256 Abu Bnd Sgs below 4' Mot w/Ae's 278 Sc-Bnd Sgs over 2' wh Ce 302-303 1' Wh Ce 312-313 Ce Mtx Sgs in Mot 10' below Ce, 8' of Strat 317 Abu Sc-Bnd Sgs over 1' Recryst (85) 333-334 Lt Bu Dl w/ Ce Nds 334-336 55° Fol 347 Sgs, Grn Sh 358 Bnd Sgs 360 Sc-Bnd Abu Sgs w/ Ce Chips 374 M Gy Dl w/ Shy Pgs 374-380 Abu Sgs → Ce Mtx Sgs in Strat Dl 385-396 DK Strat 402-406 DK Dl w/ Shy Pgs 406-417 Bnd Sgs in DK Dl 420 Sc Sgs 421 Ce Mtx Sgs 427 (in Med Gy Strat)					
					85 Sgs 334						
					Ce Mtx 427						
427	579	152	143	OK		Dl	Sc-Bnd Sgs 427-428 Sc-Bnd Sgs 451-452 (in DK Gy Strat Sgs, Grn Sh 458 Fi Sgs w/ Pebs below 4' Lt Gy Fi Dl 462 Sgs, Peb Cgl 464 Abu Sgs, Grn Sh 473 Bu Dl w/ Ce Nds 473-481 Abu Sc-Bnd Sgs in Dist Strat 483-485 Bu Dl w/ Ce Nds 489-513 Abu Sc Sgs @ Bs 8' Strat 499 Bu Dl w/ Ce Nds 514-521					
					U-255 499						
					LP Sgs 569						
					TR		3' Mot above TR				
579	593	14	14		579	LS					
593	596	3	3		B 596	Dl	Rexln 593-595				
596	600	4	4			LS		1470			
600	615	15	15		E?	Dl		579			
615	621	6	4		632	LS		891			
621	632	11	9			Dl					
632	642	10	10			LS					
642	650	8	8			Dl	Crs Xln Dl 649-650				
650	653	3	1			LS					
653	654	1	1			Dl					
654	688	34	33			LS					
688	691	3	2		J Sgs	Dl					
691	734	43	42		710	LS					
734	743	9	9	Olv	T Bd	Dl	Fi Grn Dl				
743	760	17	17			Dl	Med Xln				
			Bottom		760		R&S Bd 40% Dolomite				

LOCATION Copper Ridge Belt
Sector II Area H

PROPERTY Carl Holt

THE NEW JERSEY ZINC CO.

AX-TENN-C-1329

HOLE NO. CS-33

ELEVATION 1507.38

STARTED 12-8-57 BOTTOMED 12-17-57 LOG BY WJC

SHED NO. DISCARDED None

COORDS. 737,917.25 774,197.76

BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO			
0	65	65	–			RC	NX-BX 73 BX-AX 80							
65	165	100	93	OK			Lt Gy Strat 71-77 Bu Dl w/ CeNds 76-99 Dist Strat 99-102 Intense Ce Br 102-105 Dist Strat 105-116 Strat Dl w/ CeNds 126-130 Frq 129 Abu Sqs 147 Brecc Mot Dl 160-165	Tr Sp 114 Sc Trs Sp 145-147		150	151	1	7%	Est
165	250	85	79	OK	TR. 165 E? 215	Dl, Ce	Crs Abu Sqs 166 Sc Sqs 174 Peb Cgl, Sqs 181-182 Ox 185 188 DK Fi Grn Dl w/ CeNds 211-215 E? Sqs 218	Sc Trs 155-156 Tr Sp 160, 179 St Sh, Py 188-189 Tr Sp 200 Sh, Sp 225 V St Py 235-236		163	164	1	4%	EST
250	258	8	8			Ls	Rexln 251-254							
258	259	1	1			Dl								
259	261	2	2			Ls								
261	263	2	2			Dl								
263	265	2	2			Ls								
265	269	4	3			Dl	Fi Grn DK Gy Dl Sqs 268							
269	272	3	3			Ls								
272	276	4	4			Dl	Crs Rexln 6" Grn Sh 272							
276	356	80	76		T Sqs 292	Dl	Fi Grn Brwn Dl 278-286 St Fa 2o 286-288 Lo Ang 30° Fa 287 Do Ce 291 Abu Sqs 292 Sqs, Do Ce 317-318 Sqs 314 Fi Grn Dl w/ Blu Ce Nds 319-324 Sqs 332 Abu Sqs w/ Lo Ce 345 Abu Crs Sqs 349-350	Tr Sp 274 V St Sh, Py 328-329						
				Div.	T Bd 311									
356	357	1	1			Ls	Abu Sc Sqs 356-357							
357	359	2	2			Dl	Crs Rexln Dl							
359	368	9	9			Ls								
				Bottom 368			Elev. TK 1342 R&S Bd 90% Dolomite							

1507
165
1342

LOCATION Copper Ridge Belt
Sector II Area H

PROPERTY Carl Holt

THE NEW JERSEY ZINC CO.

Ax-Tenn C-1329

STARTED 12/18/57 BOTTOMED 12/30/57 LOG BY WVC
SHED NO. _____ DISCARDED None

HOLE NO. CS-34
ELEVATION 1458.38
COORDS. 737,657.44 ; 774,338.24
BRG. _____ INCL. _____

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO			
0	28	28	–			RC	BX-AX 40							
28	161	133	125	Oma			Abu Sc-Bnd Sgs 28-29 Sc-Bnd Sgs in 1' Strat 47-48 Abu-Bnd Sgs in Strat, Bu Dl w/Ce Nds 54-56 3" Wh Ce @ Bs 4' DK Brwn Strat Dl 64 Sc-Bnd Sgs → Ce Mtx Sgs in Dist Strat 67-69 Sgs below 4' Mot Dl 86 V Crs Abu Sgs over 6" Grn Sh 122 Hi Ang Fra 134 App Dip 30° @ 135 Bo Ce 137 Ce Mtx Sgs below 8' Mod Gy Dl w/Sh Ptgs 161						
161	324	163	163	OK	Ce Mtx 161		Sgs 162' Hi Ang Fra 169-164 6" Mylo 169 Vert Fa 169							
					U-2559		Sc-Bnd Sgs → Ce Mtx 171 Sgs Sh below Dist Strat 179							
					240		App Dip 35° @ 178 Sc-Bnd Sgs in ft. Dl w/Sh Ptgs →	Sc Trs 301-306		306	311	5/5	6%	Est
							Ce Mtx 188-190 Sc Sgs Ce below 1' Rex In 196 Sc-Bnd	St Shi Sp 328		311	315	4/4	2%	Est
					TR		Sgs 200-201 V Crs Abu Sgs, Qtzt 205 Hi Ang Fa 218	Sc Trs Sp 315-335						
					324		Ce Mtx Sgs 223 Sc Abu Sgs, Ce Pebs 226-227 Sc-Bnd			350	355	5/5	3½%	Est.
							Sgs in Strat 235-240 Bnd Sgs 302 6" Grn Sh 302-303							
					E?									
324	398	74	73		372	Dl								
398	407	9	9			Ls, Ce, N	Ls, Dl, Ce Sed Br							
407	409	2	2			Dl								
409	416	6	6			Ls								
416	422	6	6			Sh, Dl	Intense Bl, Rd Sh w/dissem Py, F, Lt Sp, Lo Crs Dl							
422	425	3	3			Ls, Dl								
425	436	10	10	Olv	T-Bd	Ls, Dl	Calcarenite F, Grn Dl							
436	437	1	1			Ce Cgl								
437	444	7	7			Dl	Crs Dl							
454	473	19	18			Dl								
			Bottom		473		R&S Bd 85% Dolomite							

1458
324
1.34

1458
365
1.32

1.58

LOCATION Copper Ridge Belt Sector II Area H

THE NEW JERSEY ZINC CO.

AX-TENN-C-1323

HOLE NO. CS-35

ELEVATION 1451.94

STARTED 12/21/57 BOTTOMED 1/11/58 LOG BY WJC

COORDS. 734,587.28 ; 770,068.77

PROPERTY R. Mellicoat

SHED NO. DISCARDED None

BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	10	10	—			RC	BX-AX 20				
10	608	598		Oma		DI	Bd Ce 30-31 App Dip 35° @ 26 Rd Mot DI 43-59				
							WK Fa 40° @ 65 Bnd Fi Sgs over 10' Bu DI w/Ce Nds 91				
							Crs Xln DI 104-110 App Dip 35° @ 168 Bnd Sgs 162				
							Ce Mtx Sgs w/Ce Pebs 187 Sgs Ce Mtx above 1' Strat 211				
							Sgs, Ce; Grn Sh in Rd Mot 211 Sgs Qtzt 225 Abu Sgs 240				
							Sc-Bnd Sgs 257 Sc-Bnd Sgs 261-262 Frg 254-255				
							40° Fa 256 Abu Sgs 275-276 Ry Di Ke 268 Sgs, Grn Sh				
							304, Sgs, Ce 331, Fi Lt Gy DI w/Ra Sgs 322-324 Sed Br 335-337				
							Wh Bd Ce 352-353 Grn Sh w/Sgs 355 Bnd Sgs 357-358 Lt Gy DI w/Ra				
							359-360 Ce 376 Sc-Bnd Sgs 394-396 Ce Mtx Sgs 422-423 (Below				
							1' Strat) Abu Fi Sgs, Ce Chips 430-431 → Ce Mtx above 6" Wh Ce				
							w/Ce Chips @ 432 Crs Sgs in Lt DI 433-434 Sc Sgs, Wh Ce → Ce Mtx				
							440-441 Sc Sgs, Ce Chips → Qz Ce 441-445 Crs Sgs 453 Peb				
							Cgl Sgs 476 Ce Mtx Sgs over 6" Bnd Sgs 480-481 Wh Ce Nod in Dk				
							DI 531 Bnd Sgs 501-504 w/Ce @ bottom Ce Mtx Sgs below 1' Ce Cgl				
							w/Sgs 505-506 Wh Ce 508 Sc Sgs 518-519 Below 3' Lt Brn Strat				
							Sc Sgs 524-525 Sgs, Ce Chips above 1' Rex In 531 Sc Sgs 532				
							534 Hr Ang Frag 550 Ra Sgs 554 Sc Sgs Below 1' Ce Cg w/Wh Ce				
							554-556 Ra Crs Sgs Sc-Bnd Sgs 569 Bnd Sgs 578-580 Abu				
					Ce Mtx		Crs Sgs w/Ce 580 Dk DI w/Sky Pt 596-605 Ce Mtx → Sc Sgs 616-617				
608	755	147	143	OK	608	DI	Sc Sgs, Ce Mtx 618-619 Abu Crs Sgs 623 Ce Nod 631 Abu Sgs 637				
					Brn Oa		-638 Abu Bnd Sgs 653 Ce Nod 20 in DI 662-669 Dist B strat				
					659		669-671 Abu Sc Sgs, Ce Chips 671-674 (U-255) Gy DI w/Ce Nods				
					U-255		678-687 Abu Sc Sgs 683-685 2" Grn Sh 691 Ce Nods 730-731				
					674						
755	796	41	31	OK	TR	DI	M-Crs Rex In				
					755						
796	797	2	2		E-797	DI	E Mkr Fi DI w/Ce Nods				
797	805	8	8			Ls					
805	819	14	14			DI	Ce Nods 815, 816				
819	842	23	22			Ls					
842	844	2	2			DI		1452			
844	887	43	43			Ls		755			
887	896	9	8		T Bed	DI		697			
896	905	9	9			DI					
905	906	1	1			Ls					
906	930	26	22			DI					
							R & S Bds 44% Dolomite				
	930	Bottom									

LOCATION Copper Ridge Belt Sector II Area H

THE NEW JERSEY ZINC CO. Dip Sect. C-1329

HOLE NO. CS-36

ELEVATION 1448.91

STARTED 12/31/57 BOTTOMED 1/13/58 LOG BY WJC-EWR COORDS. 737,385.86 ; 774,466.68

PROPERTY J.R. Davidson - NE. Tract SHED NO. B-8 DISCARDED None BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO			
0	21	21	–			RC	Bx-Ax 30							
21	363	342	315	Oma		DI	Sc Sgs 54 Abu Sc Sgs 24-25 Abu Sc-Bnd Sgs @ Bs 2' Strat 74 Sc-Bnd Sgs 109-110 Sgs, GrnSh 130 Sc-Bnd → CeMtx Sgs 171-172 Ra Sgs 179 Crs-Bnd Sgs 188-190 Abu-Fr Sgs 200 Sgs, Ce Chips 227 237 1' Wh Ce 264-265 Lt Bu DI w/Ce Nds 283-288 Sgs, GrnSh 283 V Abu Sgs, Ce Chips 323-324 Abu Sgs, Ce 308 Sgs over 6' Strat 333-336						
					CeMtx 363									
363	519	156	148	OK	U-255? 454 TR	DI	Sc Sgs 371-372 Sc Sgs 397-398 Abu Sc-Bnd Sgs 398 Sgs, GrnSh 405 Ce Mtx Sgs 411 Ra Sgs, GrnSh 426 Bu DI w/Ce Nds 428-486 Brn Mot DI 517-519						
								TrSp 503, 516		524	527	3	1%	Est
								515, 519 Sc TrSp		527	530	3	Tr	"
								546-549 TrSp		530	535	5	1½%	"
								563		535	541	6	Tr	"
519	630	111	108	OK	519 E?	DI	Sgs 535			541	543	2	12%	"
630	641	11	11		559	LS								
641	691	50	36			DI	Sgs 687							
691	701	10	10			LS								
							Elev TR 930							
		Bottom		701			R&S Bds 89% DI							

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY R. Mallicoat

THE NEW JERSEY ZINC CO.

SECT C-1350

STARTED 1/10/58 BOTTOMED 2/4/58 LOG BY WJC-EWR
SHED NO. DISCARDED None

HOLE NO. CS-37
ELEVATION 1359.76
COORDS. 734,526.55 ; 770,808.53
BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION
0	155	155	149	Oca		Ls	Bx-Ax 10 Ol type Ls 0-8 Oh type 8-14 Open 14-15 ol type Ls 15-37 Oh type w/shy Frgs 37-73	
155	815	660	602	Oma		Dl	Frg 176-177 Blk Ce 199-200 Bd Ce 207-210 Brwn Mot Dl 213-239 Grn Sh 246-247 Fi Bu Dl w/ Ce Nds 249-252 Int Rd & Grn Mot 276-280 Bu Dl w/ Ce Nds 309-316 Ra Sgs, Blk Sh 357 Ce Nd 373 Ra Sgs 383 St Frg 393-413 Sc Sgs @ Bs Dist Strat 405, St Frg 416-420 Frg 425, 429 60° Fa @ 429 Abu Bnd Sgs in Rd Strat 447 Crs Sgs 465 Abu Fi Sgs 472 Bnd Sgs 477 Abu Sc-Bnd Sgs 482-483 Bnd Sgs in Grn Sh 513 Ra Sgs 524 Hi Fa 547 wh Bd Ce 553-554 Ra Sgs 555 Abu Sc Sgs in Grn Sh 557 Crs Sc Sgs 560 Sed Br 569-570 Abu Sc Sgs, Ce Chips 587-588 Crs Abu Sgs 594 Ra Sgs 607 Ce Mtx Sgs 620 Sc Sgs & Ce Chips 628 Crs Sgs in Grn Sh 631 V Abu Sgs over 3" Wh Ce 640-642 Abu Sc-Bnd Sgs 649-650 Lo Ang Fa 664 Abu Crs Sgs 675-676 Sc-Bnd Sgs 693-695 Sgs, Ce Pebs 700 Sc-Bnd Sgs 701-702 Sc Sgs 727 1" wh Ce 714-715 Sgs Below 6" wh Ce 759 Oo Ce, Ce Mtx Sgs 773-774 Abu Sc-Bnd Sgs 785-786 Fa 797 Ce Mtx Ss 814-815	
					Ce Mtx			
815	938	123	118	OK	815 Brwn Oo 859 U-2552 894	Dl	Ra Sgs 830 Sc-Bnd Sgs 844-846 Ce Mtx Ss 855 Brwn Oo 859 Dl w/ Ce Nds 879-892 Sgs, Grn Sh 881 Sgs Below Dist Strat 894 - Fi Bu Dl w/ Ce Nds 894-906 Ra Crs Sgs 925 St 40° Fa Zo 937-938 (all min Below Fa Zo)	Sh. Py 922 St Sh. Py 928-932
938	973	35	29	OK	TR ?	Min	Mineralized	
973	976	15	13	OK	976	Dl	Sgs, Grn Sh 976 Sgs 980	
976	988	12	11	OK	B-Mkr	Dl		
988	1007	19	19	OK	986 E	Min	Mineralized	Sh. Sp 981 Tr. Sp 983
1007	1012	5	5		1007	Ls		
1012	1015	3	3			Dl		Sh. Sp 999 Tr Sp 1000
1015	1025	10	10			Min	Mineralized Crs Dl 1022-1023	
1025	1031	6	6			Dl	Crs Xln 1030-1031	Diss Sp in Ls 1007, 1012 Tr Sp 1013, 1014
1031	1040	9	9			Ls	Ls Sed Br	
1040	1041	1	1			Dl	Crs Xln Dl	
1041	1062	21	2			Dl	Fi Grn Dl . Ox 1062	
1062	1070	8	8			Ls		
1070	1115	45			TBD	Dl		
1115	1117	2	2		1115-1117	Dl		
1117	1130	13	11			Dl		
1130	1131	1	1			Ls		
1130	1150	19	19			Dl		
			Bottom		1150			

ANALYSES %Zn

SMPL. NO.	FROM	TO		ASSAY	
	938	943	2/5	2.68	
	943	948	4/5	2.66	
	948	953	4/5	5.31	
	953	958	5/5	6.92	
	958	963	4/5	8.85	
	963	968	5/5	8.97	
	968	973	5/5	8.32	
Weighted Aver	938	973	35	6.24	% Zn
	988	993	5/5	3.63	
	993	998	5/5	2.40	
	998	1003	5/5	0.60	
	1003	1007	4/5	7.90	
Weighted Aver.	988	1007	19'	3.41	% Zn
	1015	1020	5/5	4.58	
	1020	1025	5/5	5.46	
Weighted Aver	1015	1025	10'	5.02	% Zn

TRO-PARI Survey

Footage	Incl.	Brg.
400'	89°	S 83° W
900'	86°	N 48 W

R & S Beds 83% Dolomite

LOCATION Copper Ridge Belt Sector II

THE NEW JERSEY ZINC CO.

DIP Sect. 6-1333

HOLE NO. CS-38

ELEVATION 1439.82

STARTED 1/14/58 BOTTOMED 1-31-58 LOG BY WJC-EWR COORDS. 737,140.27N; 774,007.83

PROPERTY J.R. Davidson - NE Tract SHED NO. DISCARDED None BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	48	48	—			RC	Bx-Ax 60				
48	528	480	447	Oma, OK		Dl	Ox 60 Sc Sgs in Strat 75-79 50° Fa 90 Wk Frg 107 Bd Ce 116-117 Sgs Qtzt 120 Abu Sc Sgs 126-129 Frg, Fa? 130 133 Frg 137-142 Ce 142, 146 Sc Sgs w/Oo's 163 Abu Sgs Below Strat 167 Lo Intense Frs 175-190 Abu Sgs 191-193 Sc Abu Sgs w/Ce 199-205 Abu Sgs, Ce Mtx 210-213, 217 St Frg 217-223 Abu Sgs w/Ce Mtx 222-227 St Frg, Lo Br 249-307 Sc Sgs 271 Wh Ce 284 Sc Sgs 287-288 Myb 352-365 Sgs 359 Peb Cgl 405 Abu Sc Sgs 414-415 Abu Sgs 424 Sgs 453 St Frg ends @ 468 Sc Frs 491 Sgs in Ce 497 St Frg 516-521 Frg 528-529	Tr Sp 477, 483-484, 494, 495			
					TR						
528	581	53	51	OK	528		Sed Br 564-569	Tr Sp 506-508, 527 Tr Sp 537-543, 545			
					E?		AX-EX-570				
					581						
581	584	3	3			Dl	Sed Br 582-584				
584	609	25	24			Ls	Ls Sed Br 601-609				
609	611	2	2			Dl	Fi Grn Dl				
611	616	5	5			Ls	Ls, Ce, Sh Sed Br 611-616				
616	621	5	5			Dl	Fi Grn Dl 619-621				
621	648	27	26			Ls					
648	690	42	22			Dl	1" Wh Ce 659 Crs Resln 681-682 Sps Crs Bnd Sgs in Ls 690				
690	694	4	3		TBd	Ls	Hvy Ce 694				
694	701	7	3		696	Dl, Ce	Sgs 696 (Crs, Sc)				
701	710	9	5			Dl					
		Bottom 710									
							R & S Bds 63% Dolomite				

14"
5 18
: 12

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY Robert Mallicoat

THE NEW JERSEY ZINC CO.

SECT C-1350

STARTED 2-7-58 BOTTOMED 3-10-58 LOG BY EWR
SHED NO. DISCARDED 0-210

HOLE NO. CS-39
ELEVATION 1358.98
COORDS. 734,439.33N; 770,861.71E
BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	10	10	–			RC					
10	210	200	193	Oca		LS					
210	858	648	617	Oma		DI	Hvy Ce 266-272 L-Med Gy DI w/Strat 210-266 DK Gy DI 272 St Fa Zo 289-292 DK Gy Fi DI w/Ce Nds 316-319 1' St Ce 350-351 Lt Bu DI w/Ce Nds 367-375 Rd Mot DI 387-421 Wk Ce Nd Zo 428-432 St Rd Mtr 484-489 Abu Fi Sgs 509 Crs Bnd Sgs 516 Frg 528 Ce Mtx in Rd Strat 531 Sc-Bnd Sgs 537-538 Grn Sh, Ce 573-574 Sc Sgs 578 Ra Crs Sgs 579 Grn Sh, Hvy Ce 588 Sc Ra Sgs 586-588 DK DI w/Ae's 590-601 1' Whi Ce 607-608 Sgs, Grn Sh 610 Sc-Bnd Sgs in Strat 613-614 Fi Sgs 625 Ry Dike in DK DI 633-634 Sed Br 621-630 Lo Ang 35° Fw 630 Abu Sgs w/Ce Pebs 641 Sgs over Oo Ce 646 1' Bu DI 650 Sgs, Qtzt in Strat 672-673 (192 Sgs) Sgs over 2" Whi Ce 680 Sgs, Grn Sh 681 Ra Sgs in Bu DI 680-681 Abu Sc-Bnd Sgs 688-690 2' Silicified DI 690-692 Oo Ce, Sgs (170) 642-693 Abu Fi Sgs 699-700 (150+) DK DI w/Aes, Shy Prgs 704-711 Sed Br 711-715 Sc Sgs w/Ce Chips 722-723 Abu Sc-Bnd Sgs 727 Ra Sgs 735 Sc Sgs in Strat 743-745 Sed Br 747 Crs Sgs 751 Sgs Qtzt Oo Ce Below 2' Sc Sgs, Ce Chips 1' Whi Ce 760-761 Ce Mtx Sgs → Sc-Bnd 766-767 Sc-Bnd Sgs 771-772 Sc-Bnd Sgs (Ce Mtx) Grn Sh 779-780 (85+) over 6" Recryst. 2" Recryst over Sgs 809 Bnd Sgs 823 Sgs, Grn Sh (25+) 833 DK DI w/Shy Prgs 847-856 3' Mot 862-865				
					Ce Mtx 858						
858	997	139	136	OK	Brn Oo 902	DI	Sc-Bnd Sgs 890-891 V Abu Sc-Bnd Sgs Below Dst Strat 918-920 (4-255) Ce 923 Bnd Sgs in Strat 932 Ra Sc Sgs w/Ce Chips above Grn Sh 940 Why Ce Nds 950-951 Sc Sgs 961 Sc Sgs above 2" Grn Sh 965 Ra Sc-Sgs above 3" Grn Sh 991 (L.P. Sgs)				
					LP Sgs 991						
					TR						
997	1045	48	46	OK	997 E?	DI	Sgs, Grn Sh Below 2' Brwn Mot 997 (TR) Sgs, Grn Sh 1006 Sgs, Grn Sh 1011 Sgs, Grn Sh 1016 Crs X In DI 1016-1018				
1045	1046	1	1		1049	LS					
1046	1049	3	3			DI	Fi Grn DI (E?)				
1049	1078	29	27			LS	Ce Nds 1062, 1066				
1078	1080	2	2			DI					
1080	1120	40	36			LS	Bnd Sgs 1097	1359 997 362			
1120	1129	9	9		T-3d	DI	Fi Grn DI 1120-1122	Tr Sp 1038, 1048			
1129	1149	20	20		1120-1122	LS		1049			
1149	1158	9	9			DI					
		Bottom			1158		R&S Beds 43% Dolomite				

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY Carl Davidson

THE NEW JERSEY ZINC CO.

Sect C 4357

STARTED 2-7-58 BOTTOMED 2-14-58 LOG BY EWR
SHED NO. DISCARDED None

HOLE NO. CS-40
ELEVATION 1562.66
COORDS. 738,500.82 ; 775,225.41
BRG. INCL. -90°

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	47	47	—	RC	TR		Bx-Ax 70				
47	169	122	101	OK	169 ASgs 181,183 B	DI	Abu Sc-Bnd Sgs 51-52 PebCgl 78 AbuSgs 90 Hvy Ce 91 Open 95-105 Ce Br 114 Grn Sh, Sed Br 127 Ra Sgs 126-127 Ce 134 Sc Sgs 153 Sed Br 153-159 Ox Br 173-177 Sc Sgs in Br 181, 183	Tr Sp 91, 106, 143, 166 Py 153, 157 St Py 161-162 Bn Py 169 Sc Py 172-178 Py 183, 191 St Py 196-198 Sc Py 202-206 Py 238			
169	246	77	76	OK	191 E	DI	AbuSgs 187 Sed Br 186-190 Ce Nds 199, 206 Dol Br 217-219 Sed Br 219-246				
246	247	1	1		206	LS					
247	252	5	4			DI					
252	255	3	3			LS					
255	259	4	4			DI	Sed Br 255-259				
259	261	2	2			LS					
261	271	10	8			DI	6" Ce 286				
271	275	4	4			LS					
275	302	27	27			DI	Crs X'ln DI w/Dol 299-302				
302	306	4	4			LS					
306	345	39	38			DI	CeBr 308-309 Ce Nd 316 Crs X'ln DI 331-341				
		Bottom 345					R & S Beds 92% Dolomite				

1562
1
3 ad

LOCATION Copper Ridge Belt
Sector II
Area H
PROPERTY R. Mallicoat

THE NEW JERSEY ZINC CO.

SECT - C-1350

STARTED 3-10-58 BOTTOMED 4-1-58 LOG BY EWR
SHED NO. DISCARDED 0-76

HOLE NO. CS-41
ELEVATION 1378.20
COORDS. 734,623.83 N; 770,751.58E
BRG. INCL.

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMP. NO	FROM	TO			
0	2	2	–			RC	NX-BX 10 BX-AX 20							
2	105	103	95	Oca		Ls	Open 29-31 Int Rd Mot 93-94, 98-99							
105	775	670	644	Oma		Dl	Low Ang Fa (30°) 109 Frg 109-112 Ce 116 3" Grn Sh 126 Sed Br 141-157 DK Dl w/Ae's 148-160 2' Grn Shy Dl 185-187 Ra Crs Sgs above Ce 189 Grn Sh 193 1' Strat Dl w/Ce Nds 195-196 Rd Mot 206-221 Frg 227 Bu Fi Dl w/Ce Nds 251-261 2' Rexln 266-268 Ce 272 Oo Ce 300 DK Ry Dl 306 Ra Sgs 310 Sgs, Ce Chips 315 Ce 321 Ce Mtx Sgs below 2' Mot Ry Dl 339 Bnd Sgs in Strat 347 Sgs in Strat over 1' Rexln 363 Ra Crs Sgs 371 Sgs, Grn Sh below 4' Strat 376 Ce Mtx Sgs in Strat 391 Ce Mtx Sgs 405 St Fr Zo 401-408 Hi Ang Fa 408 Ce Mtx Sgs 408-409 Sgs in Fr Zo 410-411 Bnd Sgs Abu Fi 417 (in DK Dl) Abu Sc Sgs 421-422							
					Fake Brn Oo 579		WK 60° Fa 430 Lo Ang Frg 433-434 Sc Sgs 451-452 Sed Br 458-460 Sgs, Grn Sh 459 Ce Sed Br, Sgs 473 Abu Fi Sgs, Grn Sh 490 Sgs, Grn Sh 497 Sc-Bnd Sgs 500-501 Frg 516 Sgs, Ce Chips 526-527 Hi Ang Vert Frg 530-532 Brun Oo Ce 533 DK Dl w/Ae's 543-547 Abu Sc-Bnd Sgs → Ce Mtx 557 Sgs, Ce Chips 565 Sgs, Grn Sh 567 Abu Sc-Bnd Sgs over 2' Rexln, Whi Ce 574-575 Brun Oo Ce 579 Sc Sgs 586 Sgs 609 Abu Sgs Ce Chips 613-614 Ce 624 Abu Sc-Bnd Sgs 632-634 Abu Sgs 637-638 Ce Mtx Sgs 640-641 1' Whi Ce 645-646 Bnd Sgs 651 Sc Sgs 655-656 V Abu Sc Sgs 665-667 Bu Dl w/Ce Nds 684-685 Sc Sgs 689 (below Edgewise? Cgl, Ce) Abu Sc Sgs w Ce Chips 703 Ra Bnd Sgs 714 Sc-Bnd Sgs 715-716 Ce 726 Whi Ce 726 Lo Ang Fa 30° @ 732-733 DK Dl w/Shy Pts 732-740 Abu Sc-Bnd Sgs → Ce Mtx 741-742 Sc-Bnd Sgs 773-775 (Ce Mtx							
					Ce Mtx 775									
775	901	126	116	OK	Brn Oo 788 U-255 813 T.R	Dl	Sgs, Ce Chips 778-779 Crs Sgs → Ce Mtx 784 Oo Ce 788 Ce Nd Zo 804-828, Sc Sgs 824-825 Sgs., Ce Chips over 6" Grn Sh Ce Nd 840-841 Sc Crs Sgs 845 Ra Sgs 857 2" Grn Sh 861 6" Grn Sh 889 Sc Sgs 896 Grn Sh 901				137.5 961 <7'1			
901	958	57	44	OK	901	Dl	Ce Nds 905-906 Abu Sgs over Grn Sh 907, 915 Hvy Ce, Sh 942-944	Sc Sh, Sp 937-938 940, 941-942, 945-955						
958	962	4	4			Min	Mineralized			958	962	4	2.35	
962	966	4				Min	"			962	966	4	0.25	
966	970	4				Min	"			966	970	4	6.80	
970	984	14	14			Dl		Sh, Sp 976 Py 976, 980, 981		Weighted Average				
984	1000	16	16			Ls				958	970	12' @	3.13%	3N
1000	1049	49	46			Dl	Peb Cgl 1014 Hvy Ce 1029 Ra Sgs 1031 Ce Nod Zo 1041-1043							
1049	1050	1	1			Ls	Sc Sgs 1044 3" Sh 1049							
1050	1070	20	20			Dl	Ce Nds 1061-1062 Sgs 1065 Ra Sgs 1069	St Py 1020-1022						
							Bottom 1070 R & S Beds 90% Dolomite							

THE NEW JERSEY ZINC CO.

SECT. C-1323

HOLE NO. CS-42

LOCATION Copper Ridge Belt
Sector II
Area H

PROPERTY R. Mallicoat

STARTED 4-2-58 BOTTOMED 4-24-58 LOG BY EWR-WJC

SHED NO. DISCARDED

ELEVATION 1405.63

COORDS. 734,244.26N; 770 276.85

BRG. INCL. -90°

DEPTH FROM	DEPTH TO	DIST.	CORE	FM.	MKRS.	ROCK	REMARKS	MINERALIZATION	ANALYSES SMPL. NO.	FROM	TO
0	161	161	101	Oca		Ls	BX-Ax 30 Open 20-21, 39-58				
161	860	699	643	Oma		Dl	Dl type 0-20 Oh 20-23 Dl 23-24 Oh 24-70 Dl 70-99 Open 99-100 Lt Dl w/Ce Nds 161-173 Sed Br 178-180 WK Fr 189 Ce Br 201-202 Dk Crs Mot Dl w/AE's 244-268 Sed Br 241-242 Ce 286, 295 DK Dl w/AE's 321-324 Dl w/Ce Chips, Nds 345-353 Md-Crs Xln Dl w/Ry 357-365 Sed Br, Sh 379 Lt Brwn Mot Dl 395-400 Ce Nd 403, 407 V Crs Ce Mtx Sgs below 1' Rex la, 6" Lt Strat 435 Sc-Crs Sgs in Strat 443 DK Ry Dl 447-450 Fi Sgs in Strat 458 Crs Sgs in Strat 462-463 Ra Sgs 461 V Abu Ce Mtx Sgs over 1" Strat 474-475 Ra Sgs 484 Crs Sgs 491 Fa w/Mylo 502 Sc-Bnd Sgs 504-505 Abu Sc-Bnd Sgs 508-509 Abu Sgs below thin Sh 516 Abu Sc-Abu Sgs 521-522 2" Sh 533 Thin Sh Below 4' Buff Fi Dl 545 Ra Sgs above Sh 552 Sc Sgs above 4' Whi Ce 557 Grn Sh 558 Sc-Bnd Sgs 569-571 Mylon 577 Ra Sgs 579 Bnd-Sc Sgs 597-598 Ce 600 Grn Sh w/Sgs 602, 603 Abu Sc Sgs 605-607 Ce Peb Cgl 618-620 Fr Zo 623-632 Abu Sgs 625 Sc Sgs 635 Med-DK Ry Dl w/Whi Ce Chips 649-662 Abu Sc-Bnd Sgs 665-666 Abu Sc-Bnd Sgs w/Ce Chips 672-674 Sgs in Grn Sh 675 Abu Sgsgs over Brn Oo Ce 680-683 Brwn Oo Ce 684 Sc Sgs 691-692 30° Fa 709 1' DK Dl & Wh Ce Chips 712-713 Fi Sgs in Grn Sh 517 Abu Fi Sgs 721 Sc-Bnd Sgs over 2' Whi Ce 742-743 Sc Crs Sgs 761-762 Abu Sgs w/ Peb Cgl 772-773 Sc Sgs w/ Ce Chips 790 Sc-Bnd Sgs w/ Peb Cgl 796-798 Irreg Sh Ptgs in M-DK Gy Dl 807-811 Sc-Bnd Sgs → Qtzt 813-814 Sc-Bnd Sgs 820-823 Fi Dl w/Shy Ptgs 839-858	Gypsum 551, 557-560, 564-565, 571 573			
					Fare Brwn Oo 684						
					Ce Mtx Lacking						
860	998	138	136	OK	860? Brn Oo 897 U-255 916 TR	Dl	Sc-Bnd Sgs 884-885 Sgs in Br 888 Abu Sc-Bnd Sgs 893-894 Brn Oo Ce 897 V Abu Sc Sgs Below Dist Strat 920-922 Ce Nds 914-916 Ce Nd Zo 935-941	Py 949, 961-963, 970-971 Sc Trs Py 977-983 Tr Sp 1049, 1055-1057			
998	1123	125	121	DK	998 E 1051	Dl	DK Fi Grn Dl w/Ce Nds 1051-1066 Fi Grn Dl, Ce 1085 1087 Fi Dl w/Ce 1110-1123	Sc Trs Py 1087-1159			
1123	1124	1	1			Ls					
1124	1132	8	7			Dl	Crs Xln				
1132	1133	1	1			Ls					
1133	1159	26	24			Dl					

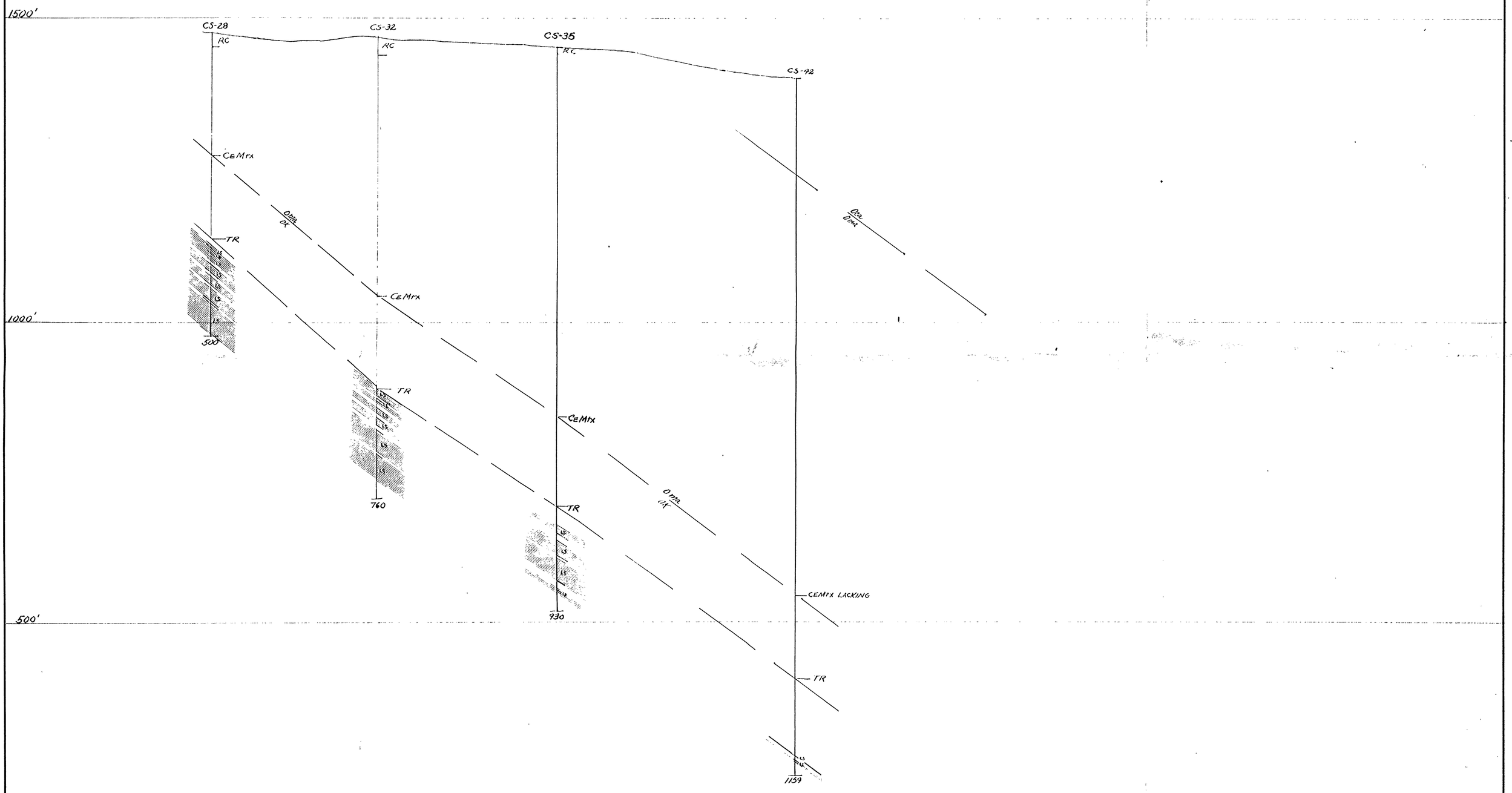
1161
-998
4 8

Bottom 1159
R & S Beds 98% Dolomite

Drill Logs

I-53 through I-68

CS-17 through CS-42



SERIAL NUMBER		DATE ISSUED	

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REFERENCE DRAWINGS	REVISIONS

THE NEW JERSEY ZINC COMPANY

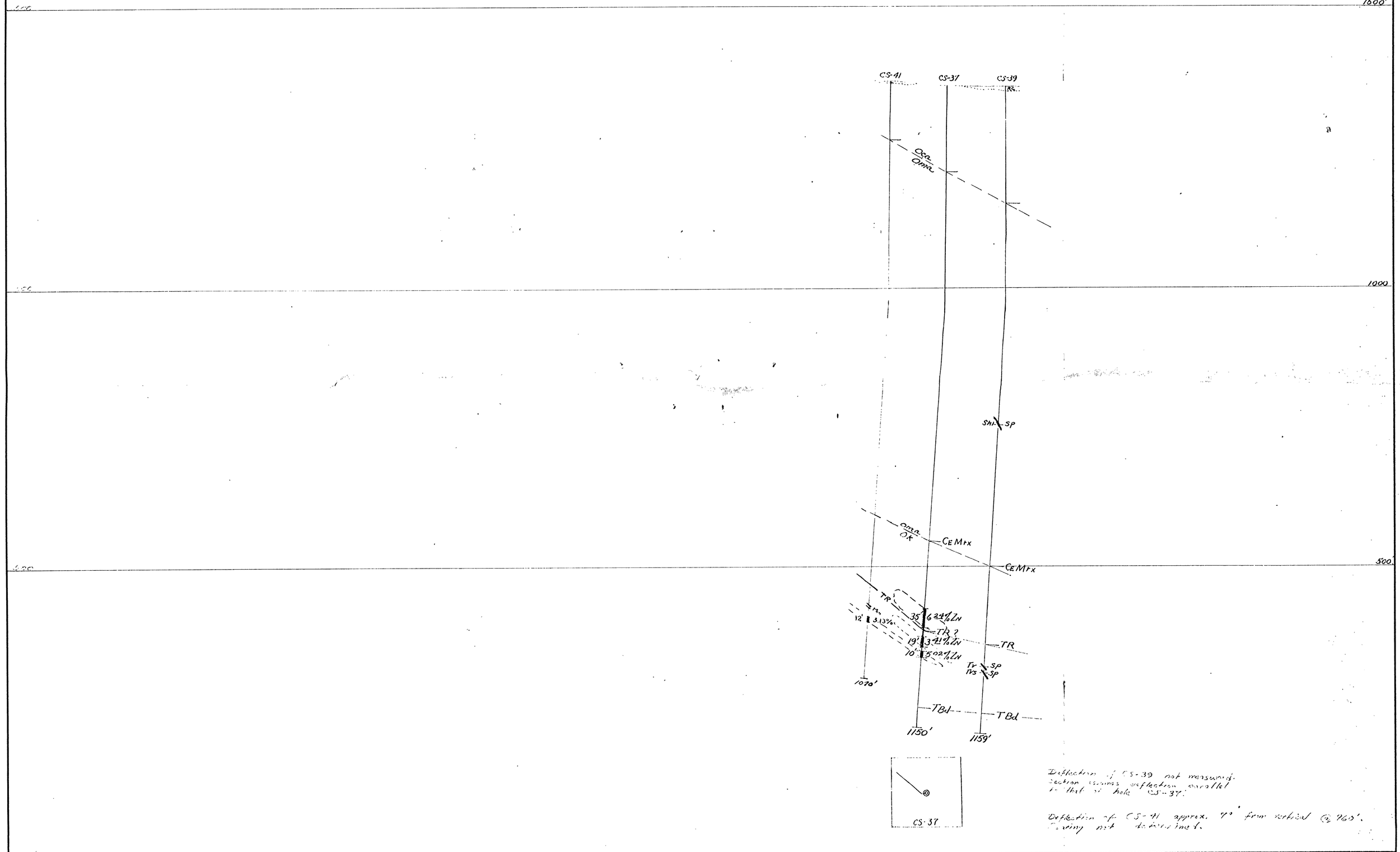
JEFFERSON CITY, TENNESSEE

DRAWN	WJC
TRACED	
CHECKED	
APPROVED	

DIP SECTION CS-28-32-35
SECTOR II AREA H
COPPER RIDGE BELT

DATE	12-20-57
SCALE	1" = 100'
	AX-TENN, C-1323

X5453C 1M 11-54



Deflection of CS-39 not measured. Section assumes deflection parallel to that of hole CS-37.

Deflection of CS-41 approx. 7° from vertical @ 965'. Survey not determined.

SERIAL NUMBER		DATE ISSUED		REFERENCE DRAWINGS	REVISIONS

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THE NEW JERSEY ZINC COMPANY

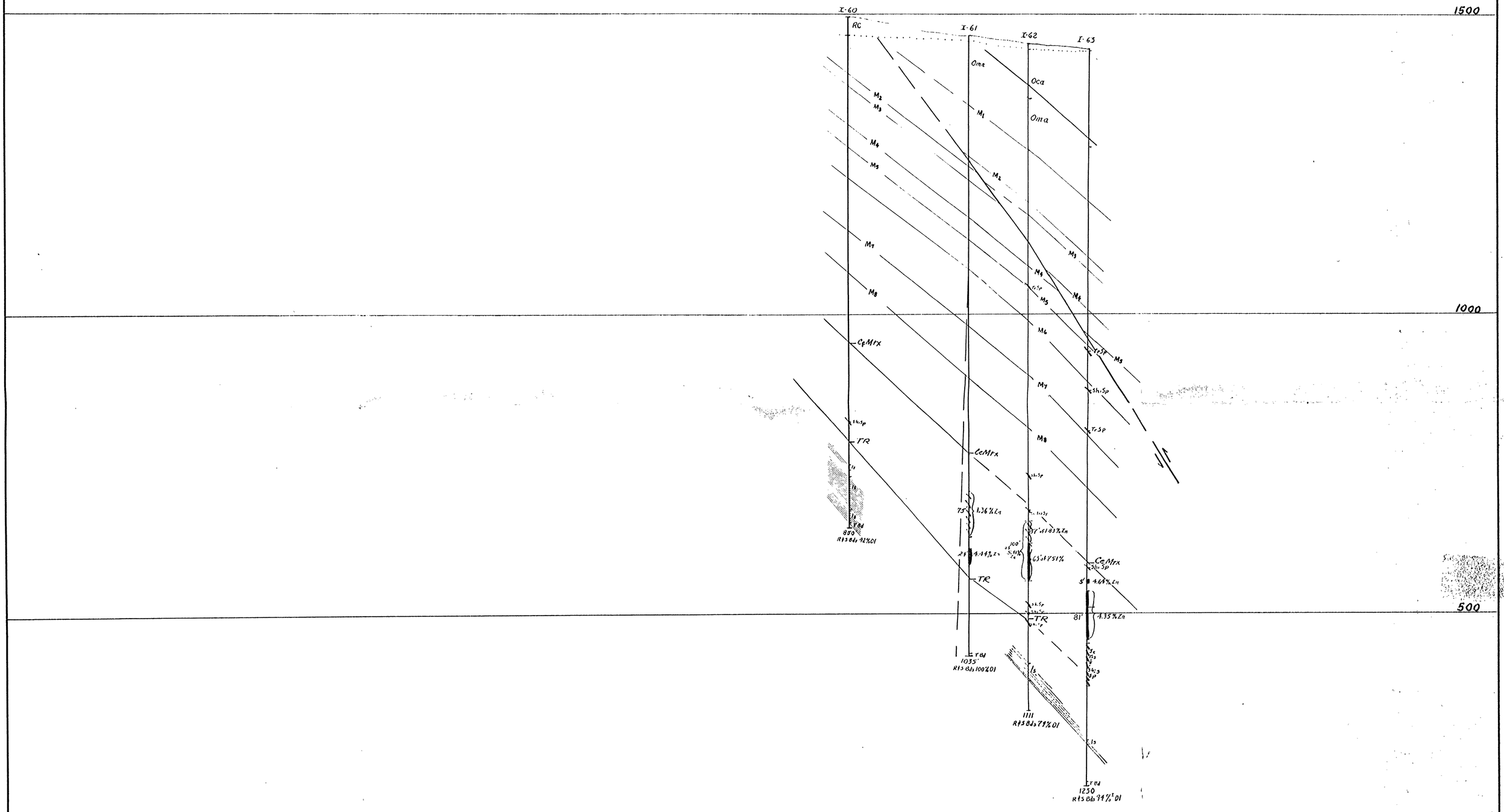
JEFFERSON CITY, TENNESSEE

DRAWN EWR, WJC
TRACED
CHECKED
APPROVED

DIP SECTION CS- 41, 37, 39
SECTOR II AREA H
COPPER RIDGE BELT

DATE MAR. 3, 1958
SCALE 1" = 100'
AX-TENN-C-1350

X5453C 1M 11-54



SERIAL NUMBER		DATE ISSUED		REFERENCE DRAWINGS	REVISIONS

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THE NEW JERSEY ZINC COMPANY

Jefferson City, Tenn.

DRAWN	E.W.R.
TRACED	
CHECKED	
APPROVED	

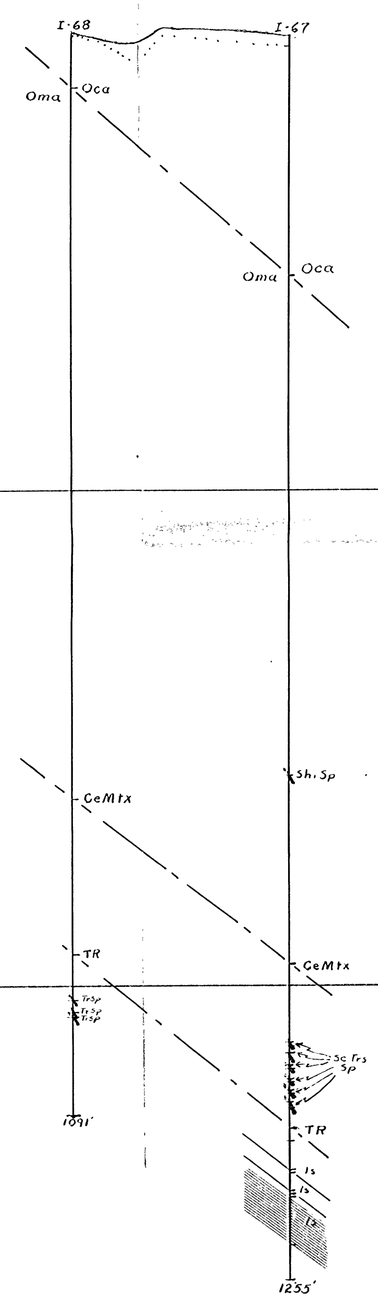
Dip Section I-60, 61, 62, 63

Sector II Area I

Copper Ridge Belt

DATE	2/5/59
SCALE	1" = 100'
	AX-Tenn C-1423

X5495C 1M 12-54



SERIAL NUMBER		DATE ISSUED	

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REFERENCE DRAWINGS	REVISIONS

THE NEW JERSEY ZINC COMPANY

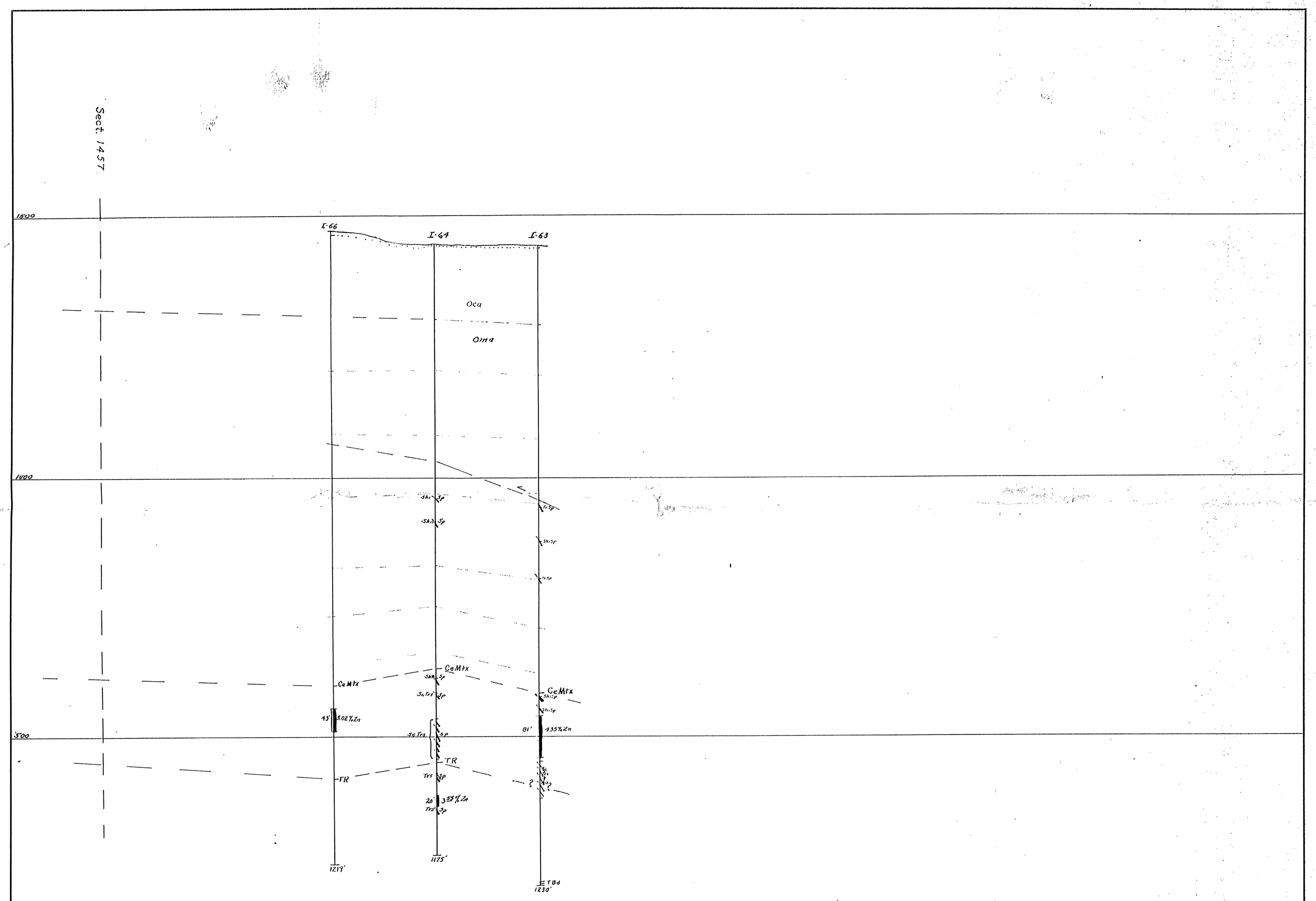
Jefferson City, Tenn.

DRAWN	EWR
TRACED	
CHECKED	
APPROVED	

Dip Section I-67; 68
Sector II Idol Area
Copper Ridge Belt

DATE	7-21-59
SCALE	1" = 100'
	AX-Tenn-C-1457

X5453C 1M 11-54



SERIAL NUMBER		DATE ISSUED		REFERENCE DRAWINGS	REVISIONS

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THE NEW JERSEY ZINC COMPANY

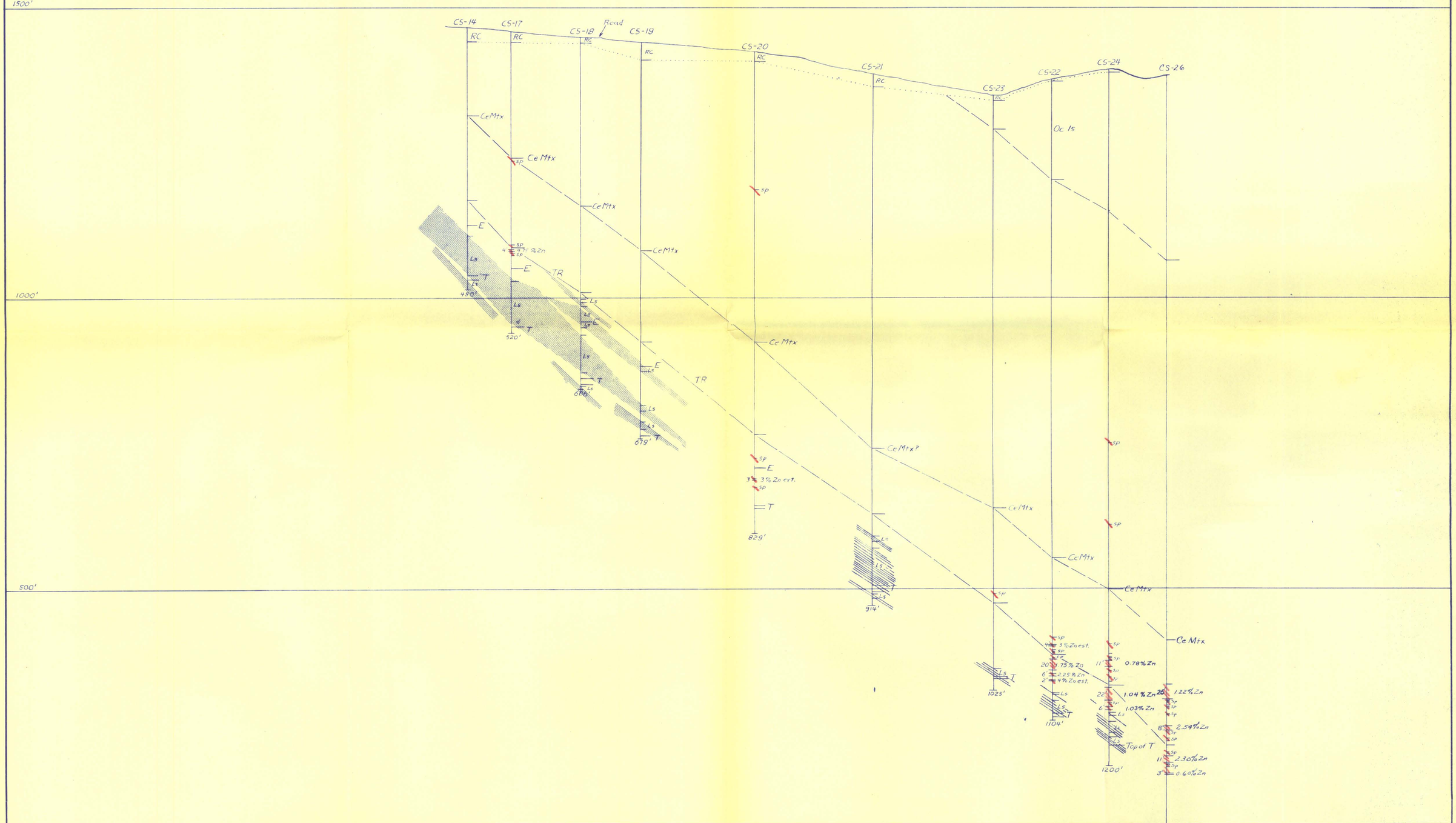
JEFFERSON CITY, TENNESSEE

DRAWN	
TRACED	
CHECKED	
APPROVED	

STRIKE SECTION I-64,63
SECTOR II IDOL AREA
COPPER RIDGE BELT

DATE 5-14-59
SCALE 1" = 100'
AX-TENN C-1451

X5453C 1M 11-54



SERIAL NUMBER		DATE ISSUED		REFERENCE DRAWINGS	REVISIONS

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THE NEW JERSEY ZINC COMPANY

JEFFERSON CITY, TENNESSEE

DRAWN	RCG
TRACED	RCG
CHECKED	
APPROVED	

DIP SECTION CS-2, 14, 17, 18, 19, 20, 21
SECTOR II AREA H 23, 22, 24, 26
COPPER RIDGE BELT

DATE	7-16-57
SCALE	1" = 100'
	AX-TENN C-1283

X5453C 1M 11-54