

LOCATION	STERLING VALLEY	Footage	Direction	Dip.°	Footage	Direction	Dip.°	COLLAR DIP.	-70	TOTAL DEPTH	342.5m
OBJECTIVE	To follow up massive sulphide mineralisation in STP 221 associated with a strong magnetic anomaly	72m	101 AMG	-67°	222m	98 AMG	-49.5°	DIRECTION	108° AMG	HOLE SIZE	NW 0-20 NQ -63 BQ -342.5
RESULT	Hole intersected strong vein sulphide approx. 80m above Henty Fault Zone within Mt. Black Volcanics, devoid of Sn. 0.36% Sn (2.1m) associated with minor sulphide 15m above fault	102m	101.5°	-65°	252m	97°	-45°	R.L.	176m	COMMENCED	27.8.81
		132m	98°	-61°	282m	98°	-43°	COORDINATES	4340N 4477E Grid	COMPLETED	15.9.81
		162m	97°	-58°	312m	093.5°	-38.5°			LOGGED BY	R.A. Sainty
		192m	100°	-54.5°	342m	096°	-32°		5,374,400mN 384,413mE		

FOOTAGE		ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA							CORE REC'D	
FROM	TO							Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%	RUN	SHORT
0	20	GLACIAL COVER												20	-	
20	267.9	MT. BLACK VOLCANICS												22.5	0.5	
20	70.25	Andesitic agglomerate Massive dark green coarse to very coarse and possibly graded unit as follows: 20-app 45 Agglomerate consisting of rounded to sub-angular andesitic fragments having diffuse (?welded) boundaries, densely packed (fragments 80% of rock) with a max dimension of 15mm within a chloritised and epidotised fine grained matrix. 45-70.25 Agglomerate consisting of coarse to very coarse angular fragments of porphyritic andesite commonly 20-60mm across, with occas fragments approx 10cm rarely to 28cm. Andesitic fragments vary from pale flesh pink to mostly medium green in colour, accompanied by smaller, ragged black fragments. Many fragments have diffuse (?welded) boundaries, matrix is silicified/epidotised to pale greenish-yellow. Only 20% of core 20-49.25 is unweathered, remainder has undergone oxidation to an earthy brown colour. Weathered patches persist to 81m.												25.5	1.9	
70.25	73.1	Sheared fine-grained ?andesitic spilite. Dark green, uniformly fine grained and foliated rock. Massive structure, sharp contacts. May be flow lava or minor intrusive Sample no. 48429 CMS Report 81/12/18												28.5	-	
73.1	85.9	Andesitic Agglomerate Similar to 40-70.25 above Coarse grained andesitic fragments including highly porphyritic varieties. Unit contains some thin sheared spilite intercalations 82.3-84.9												31.5	0.4	
														34.5	1.7	
														37.2	1.2	
														39.5	-	
														40.5	-	
														42.5	-	
														45.0	0.7	
														46.5	-	
														48.5	0.6	
														50.7	-	
														51.3	-	
														54.4	-	
														55.3	-	
														58.4	-	
														59.8	-	
														61.5	-	
														62.7	-	
														63.1	-	
														64.5	-	
														67.0	-	
														67.3	-	
														70.4	-	
														71.4	0.25	
														73.1	0.3	
														75.6	0.15	
														77.4	0.1	
														78.9	0.4	
														81	-	
														82.5	-	
														85.5	-	
														88.5	-	
														91.5	-	
														94.5	-	
														97.5	-	
														98.9	-	
														100.5	-	

FOOTAGE		ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA							CORE REC'D	
FROM	TO							Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%	RUN	SHORT
85.9	87.0	Sheared fine grained ?andesitic spilite similar to 70.25-73.1 above.													101.7	-
87.0	101.3	Andesitic Agglomerate Similar to 73.1-85.9 and 40-70.25 above Below 91.0m epidotisation/serpentinisation of matrix is well reduced and matrix is more visibly ash-tuff. Fragments are less well defined with more diffuse boundaries this feature may be apparent - a result of the less altered (chloritic) matrix, but may also reflect a more ignimbritic nature with depth. Matrix has pervasive chloritic alteration (?sericitic) in the form of black chlorite stringers, clasts appear at least partly welded, many are fractured (and have chloritic infilling of fractures). Towards base of interval some 'clasts' appear to be that of fine spilite lavas although these may represent lava intercalations.													103.5	-
			106.5	-												
			109.5	-												
			112.5	-												
			115.5	-												
			118.5	-												
			121.5	-												
			124.5	-												
			127.5	-												
			130.5	-												
			133.9	-												
			135.0	-												
			136.5	-												
			139.5	-												
101.3	111.9	Sheared fine grained ?andesitic spilite - as described above 70.25-73.1 Includes several large (to 15cm) blocks of porphyritic andesitic lava towards base, 110.0-111.9													142	-
			145.1	-												
			148.2	-												
			148.8	-												
			150.2	-												
			151.8	0												
			153.5	-												
			156.6	-												
			159.7	-												
			162.8	-												
111.9	116.4	Andesitic agglomerate similar to 87-101.3 above.													165.9	-
			169	-												
116.4	121.25	Sheared fine grained ?andesitic spilite as described above 70.25-73.1 <i>117.8 T/S</i> Epidotisation at 117.2-117.35 Massive qtz-chlorite veining 118.4-118.7, 120.15-120.3 (+epidotisation)													172.1	-
			175.2	-												
			178.3	-												
			181.4	-												
			187.3	-												
			189.9	-												
			191.7	-												
121.25	126.65	Andesitic Agglomerate As described above 87.0-101.3 Epidotisation 125.8-125.9 <i>128.5 T/S Lava</i> <i>130.4 T/S Lava</i>													192.8	-
			193.3	-												
			195.5	-												
			196.6	-												
126.65	166.9	Sheared altered andesite lavas 126.65-128.2 sheared fine grained ?andesitic spilite as described 70.25-73.1 above 128.2-133.5 Altered locally sheared porphyritic andesite. Dark green, fine grained with small dark green chloritised ?hornblende phenocrysts; patchy development of strong													199.5	-
			201.3	-												
			201.8	-												
			204.2	-												
			204.4	-												
			205.7	0.1												
			208.5	-												
			211.5	-												
214.5	-															

FOOTAGE		ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA							CORE REC'D	
FROM	TO							Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%	RUN	SHORT
		shearing Samples 48430, 431, CMS Report 81/12/18													216.3	-
		133.5-141.15 sheared fine grained ?andesitic spilite, as described 70.25-73.1 above	135.5-135.7 Isolated cubic & bleb py within broken area 132.5-151.8 Py stringers at 140.0, 142.5												219.4	-
		141.15-142.55 Altered locally sheared porphyritic andesitic as described 128.2-133.5 above													222.5	-
		142.55-143.25 Massive to semi-massive qtz	142.55-143.25 Massive to semi-massive qtz-carb veining												225.3	-
		143.25-166.9 altered, locally sheared porphyritic andesite, as described 128.2-135.5 above.	157.5 as for 142.55-143.25												228.4	-
		143.25-163.7 includes patchy development of silicification	155.5-155.65 2cm veinlet of py+po+sp+5cm area of stringer sp + minor py + ccp with q-c veining												229.7	-
		163.7-166.9 more intensive chloritisation giving pseudo-fragmental appearance to lava													232.5	-
166.9	180.2	Andesitic Agglomerate Fragments of both porphyritic and non-porphyritic andesitic lava 4-10cm within a matrix of lithic vitric tuff. Lower density of fragments than previous agglomerate intervals.													235.5	-
															238.5	-
															241.5	-
															245.5	0.9
															246.4	-
															247.3	-
															248.4	-
															251.1	-
															251.8	-
															254.9	-
															256.9	-
															257.6	-
															259.1	0.15
															262.2	-
															265.5	0.15
															266.3	0.5
															267.4	0.1
															268.9	0.1
															270	0.40
180.2	267.9	Sheared altered porphyritic andesite - as described 128.2-135.5 above. Locally brecciated, patchy areas of silicification and shearing 246.8-248.8 leached zone: cavities + spongy broken core 251.-267.9 FAULT ZONE rock is sheared, broken and oxidised with semi-massive qtz veining <i>190.3 T/S. Breccia. Shid Pelite.</i>	181.7-182.2 thin po wisps on cleavage assoc with qc veinlets 185.2-185.5 80% massive sp vein + po stringers as edging. Associated with 15-20mm carbonate vein. 185.75-185.9 2% wisps of po + sp associated with qc veining 187.1-187.2 30% stringer po + py 188.3-189.3 5% stringer + patchy po + py. Py as aggregates of cubic crystals 189.3-189.6 50% stringer + veinlet po+ crystalline asp + trace ccp 189.6-190.1 5% wisps + bleb po + ccp 190.1-191.4 50% average (10-80%) stringer + veinlet po (70%) + py asp + minor ccp												271.1	-
															272.3	0.2
															273	-
															273.7	-
															275.1	-
															277.0	-
															278.5	-
															279.9	0.1
															280.2	0.15
															281.5	0.1
															283.8	0.1
															285.3	-
															288.4	-
															291.6	-
															294.7	-
															295.4	-
															298.1	-
															299.1	-
															300.3	0.1
															300.9	-
															301	-
															301.2	-
															303.4	-

FOOTAGE		ROCK DESCRIPTION	MINERALISATION	SAMPLE NO.	FROM	TO	CORE REC'D	ASSAY DATA							CORE REC'D	
FROM	TO							Sample Length	Pb%	Zn%	Cu%	Ag - g/t	Au - g/t	Fe%	RUN	SHORT
			193.1-194.4 1-5% stringer + blebs py + po + trace asp + sp assoc with carbonate veining												306.1	-
			196.5-198.5 <1-2% patchy specks + stringer py + minor po assoc with carbonate veining												309.3	-
			205.3-209.0 2% bleb + stringer py + minor po + trace sp assoc with qc veining												312.3	-
			251.8-254.1 1% weak stringer + bleb py + lesser asp + trace ccp assoc with thin carbonate veinlets												315.3	-
			260.1-264 2% specks + bleb + stringer (asp+py)+(po+py) Asp is cubic, absent below 262.5 Trace ccp												318.4	-
267.9	342.5	FARRELL GROUP SEDIMENTS Argillaceous sandstone and minor interbedded black shale. Sandstone is pale grey, medium grained and massive to weakly foliated with pervasive wisps and mottlings of black chlorite-sericite. Black shale is poorly laminated cleaved and irregularly interbedded to a max thickness of a few tens of cm, mostly a few cm. 267.9-273.3 FAULT ZONE: broken core 288.1-302.6 sandstone, massive moderately qtz-carbonate veined throughout, approx 2% along cleavage, tending to increase in density somewhat down interval.	264-268.5 1% weak stringer py + asp + trace ccp												321.5	-
			307.25-307.9 Occasional veinlets + wisps po assoc with qc veining												324.7	-
			309.3-311.3 patchy stringer po + asp + trace py												327.8	-
			312.3-312.8 As for 309.3-311.3												330.9	-
			313.25-313.85 10-80% asp + po + trace ccp												334	-
			318.4-321.1 Several 1.5-5cm qc veins with asp+po bleb + patches.												337.1	-
															340.2	-
															342.5	-
															EOH	

261.0 T/S 9/8 - fine fl. - sul vein.

313-3 T/S Varied Pale G.

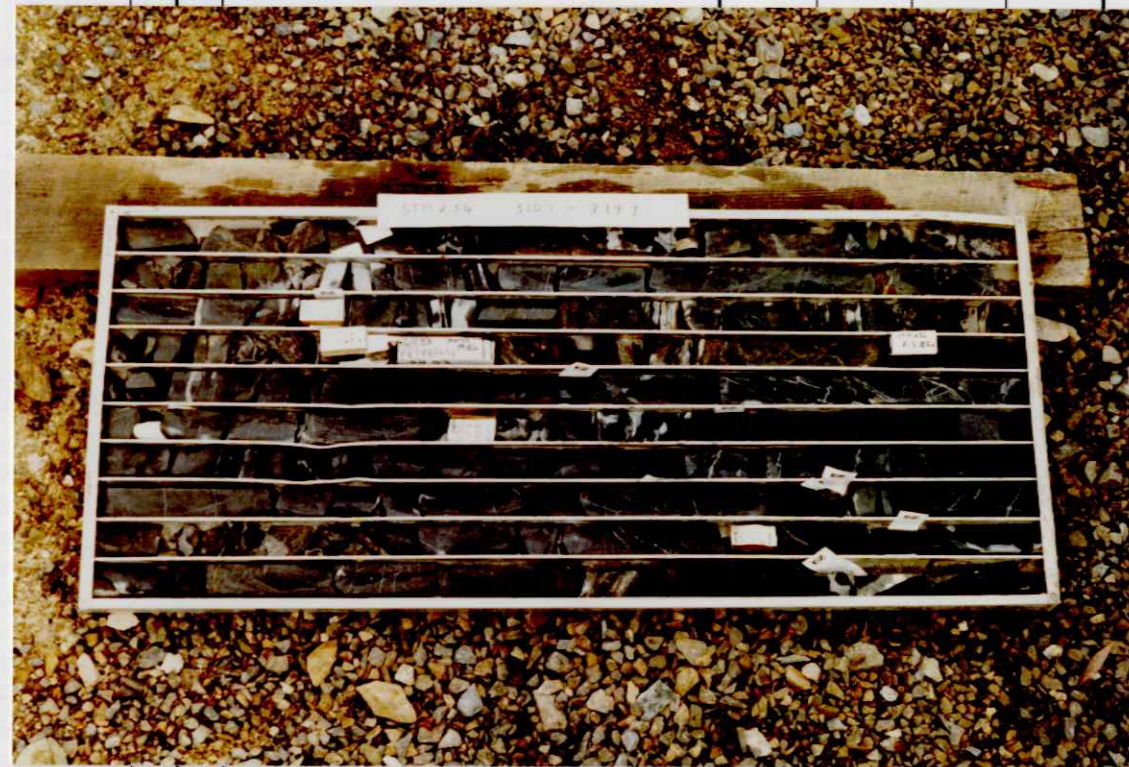
ELECTROLYTIC ZINC CO OF A'ASIA LTD
ROSEBERY - TASMANIA

DIAMOND DRILL CORE RECORD

HOLE No. STP 234 4A

A 21740

DEPTH		ROCK DESCRIPTION	MINERALISATION	SAMPLE No.	8-13 FROM	14-19 TO	CORE REC'D	ASSAY DATA							CORE REC'D				
FROM	TO							Sample Length	20-25 Pb%	26-31 Zn%	32-37 Cu%	38-43 Ag - g/t	44-49 Au - g/t	50-55 Fe%	RUN	SHORT			



SHLMET SYSTEM
METRIC
DECIMAL POINTS AS REQUIRED

GOLD ASSAYS IN PPM
BY 30gm FIRE ASSAY AT ANALABS, PERTH.

The Shell Company of Australia Limited
METALS DIVISION
DRILL LOG SHEET
CONTINUATION SHEET

PROJECT	STERLING VALLEY	HOLE NAME	STP 234
LOGGED BY	R.A. SAINTY, EZ, 1981	TOTAL DEPTH	342.5m
SAMPLED BY: J.G. PURVIS, 1986			

DISTANCE FROM COLLAR		Au	SAMPLE NO	CORE ANGLE	ROCK TYPE	DIAM	DESC CODE	GRAPHIC LOG	DESCRIPTIVE LOG
TO TOP	TO BOTTOM								
275.00	277.00	<0.008	13445			80			FOR GEOLOGY SEE ORIGINAL EZ LOG
277.00	279.00	<0.008	13446						SPLIT CORE
279.00	281.00	<0.008	13447						" "
281.00	283.00	<0.008	13448						" "
283.00	285.00	<0.008	13449						" "
285.00	287.00	<0.008	13450						" "
287.00	289.00	<0.008	13451						" "
289.00	291.00	0.008	13452						" "
291.00	293.00	<0.008	13453						" "
293.00	295.00	<0.008	13454						" "
295.00	297.00	<0.008	13455						" "
297.00	299.00	<0.008	13456						" "
299.00	301.00	<0.008	13457						" "
301.00	303.00	<0.008	13458						" "
303.00	305.00	<0.008	13459						" "
305.00	321.50								
321.50	323.00	<0.008	13460						" "
323.00	325.00	<0.008	13461						" "
325.00	327.00	<0.008	13462						" "
327.00	329.00	<0.008	13463						" "
329.00	331.00	<0.008	13464						" "
331.00	333.00	<0.008	13465						" "
333.00	335.00	<0.008	13466						" "
335.00	337.00	<0.008	13467						" "
337.00	339.00	<0.008	13468						" "
339.00	341.00	<0.008	13469						" "
341.00	342.50	<0.008	13470						" "

ASSAY INFORMATION

END OF HOLE

Sample No.	From	To	Core Rec's	Sample Length	Pb	Zn	Assay Cu	Data Ag	per Au	ppm Fe%	Mn	As	Sn
Gridd													
41687	20.0	25.0	5.0	5.0	30	150	95	X		6.0	1650	13	16
688	25.0	30.0	5.0	5.0	20	150	65	X		5.85	1750	24	6
689	30.0	35.0	5.0	5.0	20	185	105	X		7.15	2100	7	14
61690	35.0	40.0	5.0	5.0	10	145	70	X		6.0	1500	7	X
691	40.0	45.0	5.0	5.0	15	175	55	X		6.50	1600	9	X
692	45.0	50.0	5.0	5.0	20	155	80	X		6.15	1450	10	10
693	50.0	55.0	5.0	5.0	10	125	105	X		5.50	1200	15	8
694	55.0	60.0	5.0	5.0	25	190	60	X		7.60	1950	15	22
695	60.0	65.0	5.0	5.0	15	150	130	X		6.30	1950	17	10
696	65.0	70.0	5.0	5.0	20	160	160	X		5.65	945	11	X
697	70.0	75.0	5.0	5.0	5	125	100	X		5.95	1300	7	6
698	75.0	80.0	5.0	5.0	10	160	85	X		7.55	1700	6	X
690 ??	80.0	85.0	5.0	5.0	15	135	85	X		5.5	1400	6	4
41700	85.0	90.0	5.0	5.0	15	135	60	X		5.90	1600	2	X
45801	90.0	95.0	5.0	5.0	10	155	25	X		5.65	1750	1	X
802	95.0	100.0	5.0	5.0	15	160	30	X		8.15	2400	4	26
803	100.0	105.0	5.0	5.0	20	145	25	X		5.70	1750	2	X
804	105.0	110.0	5.0	5.0	10	160	40	X		5.30	1550	2	X
805	110.00	115.0	5.0	5.0	15	155	65	X		5.55	1450	9	X
806	115.0	120.0	5.0	5.0	20	305	60	X		6.95	2100	3	X
807	120.0	125.0	5.0	5.0	30	275	50	X		6.65	2300	3	X
808	125.0	130.0	5.0	5.0	5	165	75	X		6.65	2050	4	X
809	130.0	135.0	5.0	5.0	15	245	145	X		7.55	2200	14	26
45810	135.0	140.0	5.0	5.0	20	195	85	X		8.55	2700	43	66
811	140.0	145.0	5.0	5.0	45	195	120	X		8.70	2550	100	280
812	145.0	150.0	5.0	5.0	10	190	70	X		7.45	2450	340	14
813	150.0	155.0	5.0	5.0	40	500	30	X		8.15	3050	690	82
814	155.0	160.0	5.0	5.0	75	1900	150	1.5		6.05	2300	130	12
815	160.0	165.0	5.0	5.0	15	375	55	X		7.80	2300	18	14
816	165.0	170.0	5.0	5.0	165	195	30	0.5		7.70	2300	150	33
817	170.0	175.0	5.0	5.0	5	195	40	X		9.95	2350	190	24
818	175.0	180.0	5.0	5.0	20	190	20	X		8.70	2150	180	28
819	180.0	185.0	5.0	5.0	20	245	55	X		10.50	2750	55	68
45820	185.0	190.0	5.0	5.0	55	1.95%	2100	5.0		10.00	2750	2.0%	12
821	190.0	195.0	5.0	5.0	150	400	1700	10.00		3.45	1500	1.6%	16
822	195.0	200.0	5.0	5.0	30	820	85	X		7.00	1950	520	6
823	200.0	205.0	5.0	5.0	15	145	60	X		4.80	1650	21	4
824	205.0	210.0	5.0	5.0	90	585	160	X		7.50	1850	80	6
825	210.0	215.0	5.0	5.0	35	175	75	X		5.60	1800	23	6
826	215.0	220.0	5.0	5.0	90	240	55	X		6.35	2250	14	6
827	220.0	225.0	5.0	5.0	5	165	25	X		7.20	1800	20	8
828	225.0	230.0	5.0	5.0	5	125	35	X		5.85	1800	6	8
829	230.0	235.0	5.0	5.0	10	130	25	X		6.30	1650	4	X
45830	235.0	240.0	5.0	5.0	10	175	100	X		7.20	2000	3	X
831	240.0	245.0	5.0	5.0	20	205	85	X		8.20	2200	3	32
832	245.0	250.0	5.0	5.0	30	185	40	X		8.15	1650	730	12
833	250.0	255.0	5.0	5.0	45	175	410	X		9.20	2800	670	1000
834	255.0	260.0	5.0	5.0	40	210	75	X		9.05	1950	16	120
835	260.0	265.0	5.0	5.0	20	140	1200	X		8.20	1300	1.4%	140
836	265.0	270.0	5.0	5.0	125	125	1700	3.5		5.15	865	9600	250
837	270.0	275.0	5.0	5.0	10	70	90	X		4.75	1200	2700	28
838	275.0	280.0	5.0	5.0	10	70	20	X		4.50	1050	39	8
839	280.0	285.0	5.0	5.0	10	80	130	X		5.20	1050	280	X
45840	285.0	290.0	5.0	5.0	10	85	15	X		4.00	860	40	X
841	290.0	295.0	5.0	5.0	10	65	15	0.5		3.00	635	20	4
842	295.0	300.0	5.0	5.0	10	80	20	0.5		3.30	620	20	4
843	300.0	305.0	5.0	5.0	25	105	15	0.5		3.25	770	23	X
844	305.0	310.0	5.0	5.0	X	195	105	0.5		5.15	885	430	X
845	310.0	315.0	5.0	5.0	5	160	1050	4.0		5.45	830	1.3%	X
846	315.0	320.0	5.0	5.0	20	170	170	1.0		4.90	910	1850	X
847	320.0	325.0	5.0	5.0	10	80	40	0.5		4.40	1050	55	X
848	325.0	330.0	5.0	5.0	45	120	30	1.0		4.40	1050	42	6
849	330.0	335.0	5.0	5.0	10	70	30	X		3.50	840	24	X
45850	335.0	340.0	5.0	5.0	10	50	10	0.5		3.45	845	31	X
45851	340.0	342.5	2.5	2.5	50	105	15	0.5		3.45	1350	61	X

Sample No.	From	To	Core Rec'd	Sample Length	Assay Data per ppm								
					Pb	Zn	Cu	Ag	Au	Fe%	Mn	As	Sn
48414G	185.2	185.5	0.3	0.3	415	32.5%	525	2.5		1.55	1658	920	19
<u>Split</u>													
415	188.3	189.0	0.7	0.7	20	360	610	1.0		13.5	2750	430	52
416	189.0	190.0	1.0	1.0	130	1050	7100	16.5		13.5	1900	3.2%	X
417	190.0	191.0	1.0	1.0	310	415	4850	29.5		9.1	1150	4.0%	X
418	191.0	191.5	0.5	0.5	185	285	4300	20.5		1.95	625	5.3%	X
48423	252.0	253.0	1.0	1.0	25	95	865	0.5		7.0	1450	3800	3000
424	253.0	254.1	1.1	1.1	10	125	250	0.5		13.5	3458	60	4200
48419	260.0	261.0	1.0	1.0	10	140	395	0.5		6.55	1358	1100	10
48420	261.0	262.0	1.0	1.0	30	125	2150	2.0		6.0	1350	5.2%	1150
48421	262.0	263.0	1.0	1.0	50	200	2350	2.0		6.55	1400	3.5%	X
422	263.0	264.0	1.0	1.0	15	100	655	1.0		4.9	950	380	6
48425	309.3	310.3	1.0	1.0	15	85	455	2.0		5.05	578	3100	17
426	310.3	311.3	1.0	1.0	15	75	225	0.5		5.1	578	9900	X
427	313.25	313.85	0.6	0.6	50	505	1.15%	29.5		3.15	2900	9.0%	X