

064

796065

C.R.A. EXPLORATION PTY. LIMITED  
DRILL CORE LOG

BALFOUR SHEET No. 1

TENEMENT NAME SPECIAL HILL No. .....

PLAN - MAP REFERENCE.....

CO-ORDINATES 26°30'N 100°25'E AZIMUTH 227 MAG DRILLERS K. PARRY COMMENCED..... DEPTH 116m HOLE No. DD91 BC 1  
 RL COLLAR..... INCLINATION 4° DRILL TYPE..... COMPLETED..... CASING LEFT..... DPO No(s) 265/P-1?

DEPTH From (M)	To (M)	Turn	S	S	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by <u>ANALABS</u> )							
												Sn	W	Cu	Pb	Zn	Pg	Bi	Mo
0	2.5							377401	2.5	3		10	-	15	-	10	-	-	90
2.5	4				Var.	White blackened quartzite	Thin contorted laminae containing tourmaline	402	3	4		15	-	10	-	7	-	1	60
4	5					Brown tourmalinized quartzite		403	4	5		40	35	60	-	5	-	10	55
5	6			68		Brown to white fg. quartzite	Thin tourmalinized silty laminae	404	5	6		25	25	110	-	55	-	3	45
6	8.5					Brecciated quartzite	Tourmaline fills cavities and forms massive nodules. Disseminated pyrite	405	6	7		45	55	225	T	175	-	4	40
								406	7	8		25	25	170	T	170	-	3	60
8.5	13.5			45		Banded silicified siltstone	lit 11.8-12m Quartz vein with muscovite and pyrite. Disseminated chlorite	407	8	9		35	15	100	-	270	-	1	30
				40		Banding laminae disrupted. Portions of the bedding are rotated. Brecciated laminae & cement	pyrite	408	9	10		55	20	190	-	110	-	3	25
								409	10	11		60	30	150	-	145	-	5	30
								410	11	12		50	240	230	T	105	-	14	40
3.5	11					Grey white finely laminated silicified siltstone	Traces of pyrite (1-2%) throughout	411	12	13		45	120	215	25	85	-	2	20
								412	13	14		55	30	130	-	310	-	3	25
						Broken zone		413	14	15		70	25	85	10	485	-	1	20
								414	15	16		110	45	105	5	110	-	1	25
								415	16	17		55	55	25	T	15	-	14	30
7	19			20		White finely laminated quartzite. Thin silty laminae		416	17	18		40	45	15	T	10	-	12	45
								417	18	19		30	40	315	T	55	-	3	40
1	21.63			50		Dark grey finely bedded silicified siltstone	(20-9m) Quartz, pyrite, arsenopyrite veins	418	19	20		30	20	570	-	85	-	5	30
						Disrupted carbonate laminae. Incomplete cleavage offsets bedding. Small siliceous "rip up" clasts	30° to h.c.A. 5mm thick Fine disseminated pyrite	419	20	21		45	-	280	5	150	-	-	20 20
								420	21	22		45	15	80	-	145	-	3	15
								421	22	23		65	15	155	T	70	-	5	25
								422	23	24		50	60	135	T	110	-	3	25 10
								423	24	24.8		30	45	80	-	55	-	2	35
5	31			60		White mg-fg well sorted silicified sandstone. Becomes more chloritic towards the base	(28-8m) 3 quartz, pyrite, arsenopyrite veins 25° to h.c.A. 3mm thick. "Stylolite" Fractures contain sulphides	424	24.8	26		10	-	70	-	10	-	3	55
								425	26	26.8		10	55	75	T	20	-	-	90
								426	26.8	28		20	-	55	-	40	-	5	55
								427	28	29		60	610	175	5	75	-	8	10 10
								428	29	30		45	1500	155	20	95	-	53	55 5
								429	30	31		40	30	315	T	105	-	3	40 10
1	33.7					Finely laminated banded siltstone. Greenish overall fining down words chloritic		430	31	32		25	10	85	T	65	-	-	50
								431	32	33		100	55	70	T	145	-	7	35

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C.R.A. EXPLORATION PTY. LIMITED  
DRI CORE LOG

BALFOUR

SHEET No. 4

TENEMENT NAME: *SPRINGMOUNT* No. ....

PLAN - MAP REFERENCE: .....

CO-ORDINATES: *9530N 10075E* AZIMUTH: *227°M* DRILLERS: *K. PARRY* COMMENCED: ..... DEPTH: *116m* HOLE No: *RR91.RC*

RL COLLAR: ..... INCLINATION: *-45°* DRILL TYPE: ..... COMPLETED: ..... CASING LEFT: ..... DPO No(s): .....

DEPTH m	To (M)	Turns	S	S.	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath. Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by: .....							
												Sn	W	Ca	Pb	Zn	Ag	Bi	Mn
7	42.8					Fg siltstone/mudstone. Massive to finely laminated. Bedding evident with beds 10-30cm in thickness with a sandy base.	(34.7m) Quartz, pyrite, arsenopyrite 30° L.C.A. 6mm thick.	877432	33	34		250	85	75	-	800	-	6	2.0
							(36.15m) Quartz, pyrite, wolframite 30° L.C.A. 8mm thick	433	34	35		390	100	210	T	325	-	41	3.0
							(39.2m) Quartz, pyrite, arsenopyrite, wolframite 25° L.C.A. 10mm thick	434	35	36		250	280	365	-	310	-	32	4.5
							(39.7m) Quartz, pyrite, arsenopyrite 20° L.C.A. 10mm thick	435	36	37		120	790	1000	5	275	-	150	3.5
							(39.7m) Quartz, pyrite, arsenopyrite 20° L.C.A. 10mm thick	436	37	38		90	15	105	-	160	-	8	2.0
							(41.8m) Quartz, pyrite, arsenopyrite, chalcopyrite wolframite (minor) siderite 30° L.C.A. 10mm thick	437	38	39		85	45	135	T	150	-	25	1.5
							(41.8m) Quartz, pyrite, arsenopyrite, chalcopyrite wolframite (minor) siderite 30° L.C.A. 10mm thick	438	39	40		140	140	340	T	115	-	83	1.0
							(43.15m) Quartz, pyrite, arsenopyrite, chalcopyrite wolframite 30° L.C.A. 15mm	439	40	41		95	40	170	T	140	-	71	1.5
8	57					Graded white sandy siltstone to grey black argillaceous siltstone. Beds range from 1 to 20cm. Securing oversloped crosslamination. Sandstone dikes. Numerous microfractures. Rounded "rip up" shale clasts. Pyrite cubes and dendrites in white sandier layers.	(43.15m) Quartz, pyrite, arsenopyrite, chalcopyrite wolframite 30° L.C.A. 15mm	440	41	42		110	90	400	T	175	-	60	2.5
							(48m) Quartz, pyrite, arsenopyrite wolframite 20° L.C.A. 4mm thick	441	42	43		85	55	325	T	350	-	56	3.5
							(51.2) Quartz, pyrite, arsenopyrite wolframite 20° L.C.A. 4mm thick	442	43	44		95	190	155	T	160	-	33	1.5
							(51.2) Quartz, pyrite, arsenopyrite wolframite 20° L.C.A. 4mm thick	443	44	45		90	15	175	T	180	-	27	1.0
							(51.2) Quartz, pyrite, arsenopyrite wolframite 20° L.C.A. 4mm thick	444	45	46		110	30	330	T	195	-	40	1.0
							(51.2) Quartz, pyrite, arsenopyrite wolframite 20° L.C.A. 4mm thick	445	46	47		120	250	390	5	130	-	120	1.0
							(51.2) Quartz, pyrite, arsenopyrite wolframite 20° L.C.A. 4mm thick	446	47	48		150	170	380	T	120	-	58	1.5
							(56.5) Quartz, pyrite, arsenopyrite wolframite 30° L.C.A. 10mm thick	447	48	49		140	30	350	T	75	-	55	1.5
							(56.5) Quartz, pyrite, arsenopyrite wolframite 30° L.C.A. 10mm thick	448	49	50		130	25	190	T	95	-	28	1.0
								449	50	51		240	180	235	-	145	-	42	6.0
								450	51	52		100	160	575	T	175	-	128	1.5
								451	52	53		120	250	405	T	195	-	66	1.5
								452	53	54		90	40	180	5	150	-	41	0.5
								453	54	55		130	100	350	10	130	-	39	2.5
								454	55	56		120	75	380	10	50	-	53	1.0
								455	56	57		230	170	560	15	70	-	83	0.5
7	60					Dark grey massive to finely laminated siltstone.	Blebs of pyrrhotite rimming a pyrite core	456	57	58		85	15	145	5	110	-	30	-
								457	58	59		250	190	235	5	125	-	38	-
								458	59	60		70	130	180	5	55	-	48	0.5
0	73.2					Graded white sandy siltstone to grey black argillaceous siltstone. Well developed crosslamination dikes and scour and fill structures	(62.5) Quartz, pyrite, arsenopyrite 1cm thick 30° L.C.A.	459	60	61		95	25	295	10	85	-	41	1.0
							Pyrrhotite/Pyrite blebs and euhedra	460	61	62		70	50	150	5	60	-	40	1.5
								461	62	63		100	75	280	30	125	-	67	2.6
								462	63	64		60	-	50	5	135	-	27	1.0

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C.R.A. EXPLORATION PTY. LIMITED  
DRILL CORE LOG

BALFOUR SHEET No. 3

TENEMENT NAME, SPECIMEN No. ....

PLAN - MAP REFERENCE .....

DEPTH 116m HOLE No. DP 41 DC 1

CASING LEFT ..... DPO No(s) .....

CO-ORDINATES 9630N 10075E AZIMUTH 227°M DRILLERS K. PARRY COMMENCED .....

RL COLLAR ..... INCLINATION -45° DRILL TYPE ..... COMPLETED .....

DEPTH To (M)	From (M)	S	S	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weath. Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analysed by .....								
											Sn	W	Cu	Pb	Zn	Ag	Bi	Mo	A
						63.8-64.5 Reddish alteration due to v.f.g. pink red mineral.	977462	64	65		120	-	75	5	155	-	29	15	1A
							464	65	66		65	10	95	7	270	-	26	20	-
							465	66	67		55	-	75	5	165	-	29	15	1A
							466	67	68		75	10	105	5	120	-	53	05	13
							467	68	69		40	15	75	5	440	-	29	10	3A
							468	69	70		50	-	65	10	145	-	26	10	-
							469	70	71		60	20	85	15	160	-	34	10	100
							470	71	72		50	-	40	5	120	-	23	15	-
							471	72	73		55	-	60	65	40	-	26	20	7A
75			50		Grey to black v.f.g. siltstone/mudstone	Reddy white alteration follows bedding laminae. White bleches also evident	472	73	74		85	-	70	7	265	-	18	10	500
							473	74	75		160	15	30	7	510	-	17	15	-
			10	30			474	75	76		120	85	105	7	120	-	22	15	2A
							475	76	77		160	30	215	7	80	-	36	10	170
							476	77	78		130	15	85	5	70	-	21	10	-
85					Graded grey white to dark grey siltstone (78.3)	Quartz, pyrite, arsenopyrite chalcopyrite vein brown thick parallel to LCA	477	78	79		530	240	435	25	120	-	37	15	76
					Beds are 1cm to 10cm thickness		478	79	80		170	160	745	70	55	-	93	30	11
					Current and postconsolidation features		479	80	81		60	50	340	15	80	-	76	30	160
							480	81	82		220	30	140	5	125	-	25	25	27
							481	82	83		75	250	230	10	75	-	41	20	116
			40				482	83	84		110	80	235	15	70	-	50	25	126
							483	84	85		170	70	285	10	70	-	27	25	24
86.8					Disseminated finely laminated siltstone		484	85	86		110	320	250	50	130	-	70	20	266
						(80.5) Quartz, pyrite, arsenopyrite	485	86	87		160	65	480	10	145	-	72	20	268
91					Finely laminated dark grey siltstone	1cm thick	486	87	88		250	100	340	50	100	-	86	20	436
					Minor "bleches" Bedding laminae		487	88	89		170	100	320	25	70	-	57	20	366
					disrupted	(82) Pyrite, arsenopyrite, quartz, malfrankite vein 2cm thick 30° LCA.	488	89	90		270	100	425	45	65	-	56	20	176
							489	90	91		110	360	830	65	155	7	38	20	246
93					Altered zone - white bleaching alteration oversteals the grey siltstone		490	91	92		246	260	410	40	160	-	40	25	100
					Remnant unaltered bits are evident	Disseminated oxidized pyrite and pyrrhotite	491	92	93		270	60	125	20	145	-	17	10	366
					Finely laminated grey to black siltstone		492	93	94		220	85	390	-	115	-	71	-	366

C.R.A. EXPLORATION PTY LIMITED  
DRILL CORE LOG

BALFOUR

SHEET No. 4

067

796068

TENEMENT NAME SPECIMEN No.

PLAN - MAP REFERENCE

COORDINATES 30° 10' 21" S AZIMUTH 227° M DRILLERS K. Parry COMMENCED DEPTH 116m HOLE No. 22913C1

RL COLLAR INCLINATION -45° DRILL TYPE COMPLETED CASING LEFT DPO No(s)

DEPTH To (M)	From (M)	S	S	Graphic Log	CORE DESCRIPTION	SPECIAL FEATURES Weather, Alteration, Fracturing, Veining, Mineralization	Sample No.	From (M)	To (M)	Rec (M)	ASSAY VALUES (Analyzed by.....)									
											Sn	W	Cu	Pb	Zn	Ag	B	Flu	1	
					indicated by white sandier base.	White alteration mineral associated	477	95	96		270	410	710	50	115	-	195	2.0	8	
					Bedding laminae disrupted in part	with fig. pyrite is disseminated	495	96	97		110	25	105	25	100	-	6	2.0	4	
					indicating preconsolidation slumping	throughout	496	97	99		150	20	85	25	290	-	4	0.5		
					At 101m bedding is rotated 90°	(95-1) Quartz, arsenopyrite, pyrite, chalcopite	497	98	99		90	15	55	T	345	-	-	1.5		
					between 2 sandy layers	vein 2cm thick	498	99	100		60	10	70	20	150	-	1	0.5		
			56°			(95-6) Quartz, pyrite, arsenopyrite vein	499	100	101		80	10	25	20	295	-	-	1.5		
						1cm thick 25° LCA	500	101	102		95	-	75	25	370	-	4	2.5	16	
							501	102	103		55	-	15	10	190	-	-	1.0		
					105-1 K26454		502	103	104		75	25	75	20	75	-	4	1.5		
							503	104	105		140	45	125	15	65	-	-	2.0	16	
						105-8 - 106-6 Disseminated pyrite	504	105	106		320	35	175	-	75	-	-	2.0	3	
114.5					Grey to black finely laminated	approaches 30%.	505	106	107		420	200	1500	25	345	-	41	1.5	17	
					siltstone. Sandier component	At 106-6. Sulfur sulphide vein containing	506	107	108		85	-	85	10	90	-	-	0.5	16	
					present giving graded bedding	pyrite, arsenopyrite, quartz, siderite	507	108	109		150	130	150	15	50	-	4	1.0	24	
						with iron oxide	508	109	110		110	30	230	-	25	-	4	-	-	
						110-7 Quartz, pyrite 6cm thick	509	110	111		140	180	505	5	170	-	53	4.5	30	
						Sediment laminarised	510	111	112		55	20	60	10	70	-	-	2.0	-	
116.			48			113-8 Pyrite vein filling fractures	511	112	113		100	60	245	T	105	-	9	3.0	120	
							512	113	114		120	80	400	15	55	-	19	3.0	5	
							513	114	115		70	15	100	5	70	-	-	1.5	7	
							514	115	116		60	10	40	5	100	-	-	1.5	-	
					End of Hole: 116m						EOM									