

RESOURCE HOLDINGS (WA) PTY LTD

Gravity Anomaly, EL 23897 Tennant Creek

RC Hole No: FR0003

Easting: 438300.7 Northing: 7817268.1 RL: 850 (nominal)
 Azimuth: 210° (grid mag) Dip at Collar: -60° Depth: 150m
 Logged by: L Gordon Target: G1 ANOMALY PEAK-STEP OUT

Date Drilled: 20-21/7/2005
 Rig: Mk10 Investigator / Underdale Drillers
 Water: Hole wet at 90m (overnight inflow)
Damp, smaller samples at red change to 100m

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Sample No	From (m)	To (m)	Weath	Colour	Rock	Texture	He 0-5	Si 0-5	Cl 0-5	CO3 0-5	Qv (%)	Cv (%)	Sulphides (%)	Description and Notes
10174	0	1	CW	PBr	Cy									RBr soil (thin) wh clay, fine YBr, RBr clay chips
175	1	2		LBr	Cy									Small YBr, RBr, Br ind. clay chips - mainly clay.
176	2	3		LY	Cy									Br, YBr, RBr chips, small, few
177	3	4		Br	Cy						2			Y, YBr, Br, RBr chips and wh qtz chips, wdy li.
178	4	5		Br	Cy									RBr, Br, YBr fine chips
179	5	6		LY	Cy						1			LY, LP; v soft clay chips (after 2st?) minor hard YBr, RBr.
180	6	7		RBr	Cy		tr				1			LBr, LP Br, RBr, YBr fine chips; wh qtz, li
181	7	8		(P)Br	Cy									
182	8	9		(P)Br	Cy (2st)									LBr soft 2st chips (few) YBr, RBr, RBr ind. clay test chips
183	9	10	CW	LBr	Cy (2st)									
10184	10	11	w	LBr	Z/sst						1			LBr, Br (PBr) chips of Z/vf/sst; clayey but more chips qtz/li
185	11	12		LBr	Z/sst									LYBr, LY chips mainly of 2st, minor (br) forming chips
186	12	13		LYBr	Z/sst									LBr m LY LP Br chips mainly 2st wh li vls/stain.
187	13	14		LY	Z/sst									LBr, LY chips
188	14	15		LBr	Z/sst		tr							LBr, LY, RBr chips - platy to blocky, most silty.
189	15	16		LBr	Z/sst		tr							" " " "
190	16	17		LBr	Z/sst		-							" " " " ; wdy limonite
191	17	18		LBr	sst		-				2			Br vfg sst, m 2st
192	18	19		LPBr	sst									Br, LY " "
193	19	20		LPBr	sst						tr			" " " (st) more brown, less yellow
10194	20	21		LPBr	sst						tr			LPBr, LY vfg sst chips
195	21	22		LY	Z/sst						tr			LY vfg sst chips some Br (RBr); small platy chips, Z-vfg sst
196	22	23		LPBr	sst		1							RBr, LBr, YBr sst, minor YBr li chips some weak silicification, iron
197	23	24		LPBr	sst		1				1			" " " "
198	24	25		LPBr	sst		1							LBr, RBr, some RBr smaller chips, no vfg sst more ho on parting
199	25	26		LPBr	Z/sst		2				tr			RBr, RBr, LBr vfg sst chips, some hard silicified
200	26	27		LPBr	Z/sst		tr							YBr, Br, RBr chips, more fine (Z) chips, less ho.
201	27	28		LPBr	Z/sst		tr							PBr, Br chips, more platy Z; less fine chips RBr YBr
202	28	29		LY	Z/sst									LYBr, Br chips, wdy silic/hard but vZ
203	29	30		LY	Z/sst									Y chips, wdy silic/hard vZ; minor Br, RBr.
10204	30	31		LBr	Zst		tr							LBr, LYBr Zst, soft sil, more platy
205	31	32		LBr	Zst		tr							LPBr, Br, RBr, YBr Zst
206	32	33		LBr	Zst		tr				2			LBr chips, wh li stained qv, m RBr/RBr
207	33	34		LBr	Zst		tr				1			" " " " (less)
208	34	35		LBr	Zst		tr							LYBr Z platy chips, minor PBr, RBr
209	35	36		LBr	Zst		-							" " " "
210	36	37		LBr	Zst									" " " " (less)
211	37	38		LBr	Zst									" " " "
212	38	39		LY	Zst									YBr " " (incr)
10213	39	40	w	LPBr	sst									YBr, RBr " " some buff sst.

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10214	40	41	W	LRBr	z/sst		6							PuBr platy zst & vfgst, Br(V) vfgst - ill bedded?
215	41	42		LRBr	z/sst		6							PuBr, Br(V) zst vfgst, pink ill bed; some hard frags (PnBr)
216	42	43		LRBr	z/sst		tr							" " " (PnBr)
217	43	44		LYBr	z/sst		tr				1			" " " (Y>Pu)
218	44	45		LRBr	z/sst		tr							" " " (Y>Pu)
219	45	46		LRBr	z/sst		tr							PuBr, Br " sl more E ² /platy
220	46	47		LYBr	z/sst									Y, YBr " "
221	47	48		LRBr	z/sst		1							PuBr " "
222	48	49		LRBr	z/sst		1/2							LRBr " "
223	49	50		LRBr	z/sst		2							PuBr " , minor Pu sl more sandy?
10224	50	51		LRBr	z/sst		1							PuBr " , decr he, sl more sandy
225	51	52		LRBr	z/sst		1							PuBr, LRBr " "
226	52	53		LRBr	z/sst		1							" " " "
227	53	54		LRBr	z/sst		1/2							" " " , less he, sl more sandy, tr/i
228	54	55		LRBr	z/sst		1/2							LYBr, LRBr " , less he
229	55	56		LRBr	z/sst		1/2							" " " "
230	56	57		LRBr	z/sst		1							Pu/PuBr " ; more he, sl more sandy, wobbly frags
231	57	58		LRBr	z/sst		tr							LRBr, YBr " ; less he, more platy zst (paler)
232	58	59		LY	z/sst									Y(Br) " ; minor LRBr; chips hard, wobbly silic/he
233	59	60		LY	z/sst									Y(Br) LRBr " ; mainly silty, platy chips
10234	60	61		LRBr	zst									LRBr, YBr, LRBr zst ; " " vfgst
235	61	62		LRBr	"		6							LRBr " , minor YBr, PuBr tr he vlets
236	62	63		LRBr	zst		1/2							" " " , minor he vlets
237	63	64		LRBr	z/sst		1							PuBr, YBr vfgst zst ; minor PuBr
238	64	65		LRBr	z/sst		1							PuBr " " ; minor YBr
239	65	66		LRBr	z/sst		1/2							PuBr, YBr " " ; sl more platy
240	66	67		LRBr	z/sst		1							" " " ; sl more sandy
241	67	68		LRBr	z/sst		1/2							Br, wobbly " "
242	68	69		LRBr	z/sst		1/2							YBr, PuBr " " ; sl sandy
243	69	70		LRBr	zst		1							PuBr mainly zst, smaller chips, platy
10244	70	71		Br	z/sst		tr							YBr, PuBr vfgst zst; small chips
245	71	72		LY	z/sst		1/2							" " " "
246	72	73		LY	z/sst		tr							YBr " " ; minor PuBr
247	73	74		LY	z/sst		1							" " " minor PuBr chips
248	74	75		LRBr	(z) sst		1/2							PuBr, m YBr " ; blocky vfgst chips, hard, silic
249	75	76		LRBr	z/sst		2							PuBr vfgst zst, minor platy chips
250	76	77		LRBr	ssst		2							PuBr " ; wobbly, b fig. minor YBr chips
251	77	78		LRBr	ssst		2							" " " ; " " smaller chips
252	78	79		LRBr	ssst		1				2			Br limonitic vfgst, wobbly; wobbly, limonitic
253	79	80		LYBr	z/sst		tr				1/2			YBr vfgst zst
10254	80	81		LYBr	zst		tr							YBr zst; foliated, platy. br RBr, has small chips
255	81	82		LYBr	zst		1/2							YBr zst, wobbly, he ; " "
256	82	83		LY	z/sst		1/2							YBr vfgst zst, some harder silic chips; he on parting/faces
257	83	84		LY	z/sst		tr							LRBr Br YBr vfgst zst
258	84	85		LY	(z) sst		tr							Br(V) vfgst, minor zst ; br limonitic chips
259	85	86	W	LY	ssst		-							Br(V), LRBr m YBr vfgst
260	86	87	Pur	LY	ssst		-							(Br) wobbly to silic vfgst
261	87	88		LY	ssst		tr							" " " , tr he
262	88	89		LYBr	ssst		tr							Br(V) limonitic, LYBr vfgst
10263	89	90	Pur	LY	ssst		tr							LRBr, LY, wobbly to wobbly he vfgst

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10264	90	91	pr	Lgy	sst	tr								(Br) Gy wchly silic vsgs-sst chips, wchly he tr li
265	91	92		Lgy	sst	tr								" " " wchly he
266	92	93	pr	Lgy	sst	tr								(Br) Gy wchly silic vsgs-sst chips, wchly he tr li
267	93	94	fr	Lgy	sst	(fr)								Gy wchly silic vsgs-sst chips, wchly he tr li
268	94	95		Lgy	sst	(fr)								" " " " "
269	95	96		Lgy	sst	(fr)								" " " " "
270	96	97		Gy	sst	(br)								" " " " " (SAMPLE WFT, NOT SFT)
271	97	98		Lgy (2/sst)										" " " " " br platy chips, rare he
272	98	99		Lgy (2/sst)										Dgy " " " "
273	99	100		Gy	z/sst									Dgy wchly silic vsgs-sst chips, some silic sst
10274	100	101		Gy	z/sst									Dgy wchly silic vsgs-sst chips, some platy. Rare he dusting
10275	101	102		Gy	z/sst	1/2					1/2			Dgy/Gy chips, less platy, more he, minor li. Gy is white
10276	102	103		Gy	z/sst	tr					tr			Dgy wchly silic chips, some R/B he? contain (small sample) (20) CHANGE
10277	103	104		Gy	qp	1-2								Dgy wchly silic chips, mottled he; some lpy clays (sl. small sample) (20) CHANGE
10278	104	105		Gy	qp	1					1			Dgy wchly silic chips, mottled he, m wh qv. (Many chips, 1/2 li fringes)
10279	105	106		Gy	qp	1-2					1-2			" " " " "
10280	106	107		Gy	qp	2					2			" " " " " inc. qv (")
10281	107	108		Gy	qp	2					3			" " " " " (")
10282	108	109		Gy	qp	3					7			Dgy silic chips, mottled R/B/R he; c wh qv (")
10283	109	110		Gy	qp	3					5			Dgy silic chips, sl. brownish lpy; mottled R/B (")
10284	110	111		Gy	qp	3					4-5			" " " " " m-cli (")
10285	111	112		Gy	qp	3-4					1			" " " " " smaller chips (")
10286	112	113		Gy	qp	3					1			" " " " " (")
10287	113	114		Gy	qp	2					1/2			Dgy (R, Br mottled) chips; m bright caking - li? (")
10288	114	115		Gy	qp	3					1/2			" " " " " clay contain? (small sample) (20) CHANGE
10289	115	116		Gy	qp	2					2			" " " " " ; li (some bright) increasing (")
10290	116	117		Dgy	qp	2					5-8			Dgy, Br (mottled, mono li); common vfg. mg mts; few R/B sst fringes.
10291	117	118		Gy	zst	fol					3			Dgy platy zst, mod he (py) in part & on faces/partings
10292	118	119		Gy	zst	tr					tr			Dgy-Gy zst, platy chips
10293	119	120		Gy	zst	tr					tr			Gy, m R/B platy chips; some he on partings
10294	120	121		Br Gy	zst	tr					tr			Gy platy chips, common he R/B chips; some fine he spots
295	121	122		R Gy	zst	tr					tr			Dgy, R, Gy chips; minor fine red fine spots.
296	122	123		Gy	zst	tr					tr			" " " " " ; sl. more he alt
297	123	124		Lgy	zst	tr					1			Gy chips, platy; lesser R/B he; weak he alt; wh qv.
298	124	125		Lgy	zst	tr					7			Gy, Lgy chips; minor R/B; for alteration. wh qv, fringes
299	125	126		Gy	zst	tr					2			Gy, Gy, Br, minor R/B chips; wh alt - he. wh, clear qv
300	126	127		Gy Br	zst	tr					tr			Gy platy chips; m R/B to wh he alt (wet, 80% sample) (20) CHANGE
301	127	128		Gy Br	zst	tr					tr			Gy, Br platy chips; weak R/B alteration / vfgs/spots
302	128	129		Gy	zst	tr					tr			" " " " " across R/B chips
303	129	130		Gy	zst	tr					tr			Gy, Br, some platy chips - smaller? wh li
10304	130	131		Gy	zst	tr					1/2			Gy, Br minor R/B platy chips. wh li
305	131	132		Gy	zst	tr					1			Gy, Br platy chips to li
306	132	133		Gy	zst	tr					1/2			" " " " " Tr he vfg li (wet; 50% sample) (20) CHANGE
307	133	134		Gy	zst	tr					tr			" " " " " "
308	134	135		Gy	zst	tr					1/2			" " " " " " Smaller chips
309	135	136		Gy	z/sst	tr					1/2			Gy, Br chips less platy, smaller wh li, he
310	136	137		Gy	zst	tr					1-2			Gy, Br chips, some platy. wh he, li wh qv
311	137	138		Gy Br	z/sst	tr					1			Gy, R/B chips, less platy, wh li wh qv
312	138	139		Gy Br	zst	fol					tr			Gy, Lgy platy chips; minor R/B he (clamp/wet; 70%) (20) CHANGE
10313	139	140	fr	Gy	zst	fol								Gy, Lgy platy chips

SUBMITTED TO ALS CHEMEX ASO 5060352

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Sample No	From (m)	To (m)	Weath	Colour	Rock	Texture	He 0-5	Si 0-5	Cl 0-5	CO3 0-5	M (%)	Qv (%)	Cv (%)	Sulphides (%)	Description and Notes
10314	140	141	fr	Gy	zst	fl	1					1			Gy, Rn platy chips; ho, mli. whgr
315	141	142		Gy	zst	fl	(6)				tr	tr			Gy-LGy platy chips.
316	142	143		Gy	zst	fl	1				tr				Gy platy chips, mino pn; whgr, tr li.
317	143	144		Gy	zst	fl	tr								" " " " " "
318	144	145		Gy	s/zst	(fl)	-				tr				Gy chips, less platy, tr li' (wet, 85% sample)
319	145	146		Gy	s/zst	(fl)	tr				tr	tr			Gy chips, mino ho/gr
320	146	147		Gy	zst	fl	tr				tr				" " " " " "
321	147	148		GyR	zst	fl	1								Gy, Rn Gy chips weak ho alt' impregnation
322	148	149		GyR	zst	fl	tr				tr	tr			Gy chips same wh li, tr ho.
10323	149	150	fr	GyR	zst	fl	tr				tr	tr			" " " " " " ; occas Rn chip.
	150	151													AOH 150m - WET AT RED CHANGE
	151	152													
	152	153													
	153	154													
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