

RESOURCE HOLDINGS (WA) PTY LTD

Gravity Anomaly, EL 23897 Tennant Creek

RC Hole No: ERC005

Easting: 438239.1 Northing: 7817280.0 RL: 350 (nominal)

Azimuth: 210° (gnd MAG) Dip at Collar: -60° Depth: 108m

Logged by: 1 Cowden Target: GRAVITY ANOMALY 1 (FENCE#2)

Date Drilled: 21-22/7/2005

Rig: Mk10 Investigator/ Underdale Drillers

Water: Damp, small sample 84-85m at red change

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Sample No	From (m)	To (m)	Weather	Colour	Rock	Texture	He 0-5	Si 0-5	Cl 0-5	CO3 0-5	Qv (%)	Cv (%)	Sulphides (%)	Description and Notes
10389	0	1	Cus	RBv	Cy									RB soil (thin), LBr clays, br chips
390	1	2		Y	Cy zst									LY chips & zst, small (soft) - less clayey than ERC004
391	2	3		LY	zst									LY soft zst chips, some RBv, Br fine ? content
392	3	4		LY	z/sst									LY zst vfgzst chips, some platy, minor YBr, RBv
393	4	5		LY	Cy									LY ind. clay chips minor zst; some R, Br, YBr
394	5	6		LY	Cy									" " " " " "
395	6	7		LY	zst/Cy						1-2			LY zst chips, soft, less clayey. " "
396	7	8		LY	Cy									cream clay chips; some indurated small YBr, RBv, Y indurated
397	8	9		LBr	zst/Cy									LY zst chips, small; " "
398	9	10		LY	Cy									wh-cream clays; " "
10399	10	11	cr	Buff	Cy									wh-cream clays; " "
400	11	12	ur	LY	zst						2			LBr zst, minor frags; " "
401	12	13		Buff	zst									LBr zst, weak H vlets. " "
402	13	14		Buff	zst									LY zst, soft chips minor " "
403	14	15		Buff	zst									LY zst " " " "
404	15	16		LBr	z/sst		1							LY zst, RBv rubbly heaviest (1/2)
405	16	17		LBr	z/sst						1			Y platy zst, minor RBv, rubbly heaviest vfgzst
406	17	18		LY	z/sst									Y Br mBr zst-vfgzst-fgssst (rubbly)
407	18	19		LBr	z/sst						5			Y platy blocky zst, rubbly RBv fgssst
408	19	20		LBr	z/sst									" " " "
10409	20	21		LBr	z/sst		tr							(V) Br zst-vfgzst chips, fr no vlets
410	21	22		LBr	z/sst		1/2							(V) Br, PBr " " " " incr. he.
411	22	23		LBr	z/sst		1							YBr, PBr " " " "
412	23	24		LBr	z/sst		1/2				1/2			" " " " " "
413	24	25		Br	z/sst		1/2							YBr, PBr " " " " incr graininess?
414	25	26		LBr	z/sst		-							YBr, mBr " " " " more platy, silty.
415	26	27		LBr	z/sst						6			YBr, Br " " " " Rubbly chips common
416	27	28		LBr	z/sst									" " " " " "
417	28	29		LBr	z/sst									YBr, mBr " " " " " "
418	29	30		LY	z/sst		tr							YBr, Br (P) " " " " " "
10419	30	31		LY	z/sst		tr							YBr, PBr " " " " " "
420	31	32		Y	z/sst									YBr, Br " " " " " "
421	32	33		LBr	z/sst		1							PBr, Br " " " " smaller chips,
422	33	34		LBr	z/sst		1							" " " " " "
423	34	35		Br	z/sst						1			YBr, PBr " " " " Whan T li, he, black fe
424	35	36		LBr	z/sst		1/2							PBr, YBr " " " " ; no vlets
425	36	37		LBr	z/sst		tr							YBr, PBr " " " " " "
426	37	38		Pi	sst		1				1			PBr vfgzst-fgssst wh gr
427	38	39		LBr	z/sst						10			PBr, YBr zst-vfgzst-fgssst. wh gr, some lil staining
10428	39	40	w	Pi	sst		1							PBr vfgzst-fgssst wh gr soil sst.

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RC Hole No: ERC005

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Sample No	From (m)	To (m)	Weath	Colour	Rock	Texture	He 0-5	SI 0-5	CI 0-5	CO3 0-5	Qv (%)	Cv (%)	Sulphides (%)	Description and Notes
10429	40	41	v	LP Br	z/sst	tr								R, RBr wldy he vfg sst (zst) blocky to wk fol; toke v
430	41	42		"	sst	tr					1			RBr, YBr, Br P-vfg sst whqu
431	42	43		"	"	1/2					tr			(Pn) Br P-vfg sst; m k vlets
432	43	44		Br	z/sst	tr					tr			Br, RBr wldy, m. platy LBr zst. Some li
433	44	45		Y	z/sst	tr					1/2			Y li vfg sst/zst, some g/r v
434	45	46		LY	"						1			YBr, PBr vfg sst & more platy zst. minor black f/s v
435	46	47		Br	"	tr					tr			Br, RBr zst/vfg sst. minor f/z vlets; wk fol; some f/cgs
436	47	48		Br	"	tr								st. more sst, this sample.
437	48	49		Br	"									YBr, Br zst/vfg sst, wldy indurated.
438	49	50		Br	"						tr			Br " " " " " ; m f/z vlets.
10439	50	51		(Y)Br	sst									PBr, Br YBr vfg sst, less zst.
440	51	52		YBr	sst	tr								Br (YBr) vfg sst.
441	52	53		YBr	sst									" "
442	53	54		(N)Br	sst	tr								" " minor black f/s m v
443	54	55		YBr	sst					(tr)				" " " " " , blocky.
444	55	56		YBr	sst						tr			" " " " " ; st more zst, LBr Br
445	56	57		YBr	z/sst	tr								" " " " " ; indurated chips, conchoidal fr; black sst, f/c.
446	57	58		YBr	sst									Br vfg sst chips
447	58	59		YBr	sst									RBr, Br wldy he vfg sst. whqu.
448	59	60		Br	sst	1				(tr) H2				RBr vfg sst (hamatic?) Att tail vfg.
10449	60	61		Br	sst	2					tr 1			LBr, less RBr sst chips (wldy he imp, m. vlets)
450	61	62		LBr	sst	1					tr 1			LBr, RBr chips (more RBr than prev. sample)
451	62	63		LBr	sst	1				(tr) (tr)				RBr, LBr, buff chips - some more bleached; ffg sst (ie cause)
452	63	64		(L)Br	sst	1					tr (tr)			LBr, Gy/LBr zst platy chips, minor he, minor sst chips
453	64	65		LBr	zst	1/2				(tr) tr				LBr, RBr vfg sst, minor zst, whqu.
454	65	66		LBr	sst	1/2				(tr) 1/2				Br, LBr, RBr vfg sst/less zst; m k vlets; f/c (Damp - might be sep)
455	66	67		Br	z/sst	1/2				(tr) 1/2				LBr Gy, LBr wldy he vfg sst, m k zst.
456	67	68		Br	sst	1/2				tr (tr)				Gy, Gy Br wldy he vfg sst, minor vlets/chips
457	68	69		LBr	sst	1/2				(tr) tr				LBr, LBr wldy he vfg sst (some wk fol/platy)
458	69	70	w	LBr	z/sst	(1/2)				tr tr				LBr Br - Br vfg sst, occas f/z; wldy he, vlets/chips. Some silic.
10459	70	71	pw	LBr	sst	1/2					- tr			Gy Br - Br vfg sst, wldy he vlets/chips. Table li
460	71	72		LBr	sst	1/2					- 1/2			Br Gy - Gy vfg sst, wldy he vlets/chips. Occas platy/fol
461	72	73		LBr	sst	1/2				(tr) tr				Gy vfg sst wldy he, some Br Gy chips.
462	73	74		Gy	sst	(1/2)				(tr)				wldy he stained Gy vfg silic sst; vlets/chips. m li
463	74	75		Gy	sst	1				tr (tr)				wldy he stained Gy - Br Gy vfg silic sst.
464	75	76		Gy	sst	1/2				tr (tr)				" " " " " " "
465	76	77	pw	Gy	sst	1					- 1/2			Gy silic vfg sst/zst (?) to m he staining; fresh
466	77	78	fr	Gy	z/sst	tr					tr 1/2			Gy silic vfg sst/zst, st. more he to li.
467	78	79		Gy	z/sst	tr					tr tr			" " " " " " "
468	79	80		Gy	z/sst	tr				(tr) tr				" " " " " " "
10469	80	81		Gy	z/sst	tr					-			" " " " " " smaller chips.
470	81	82		Gy	z/sst					(tr) (tr)				" " " " " " "
471	82	83		Gy	gp	1/2					tr			Gy silic chips, some he chips;
472	83	84		RBr Gy	gp	1								LBr chips (ep? chl - f/c composite chips) R Br Gy.
473	84	85		RBr Gy	gp	2								Gy chips, f/c; silic Gy/RBr chips, hamatic (small sample, 60%)
474	85	86		RBr Gy	gp	4								Gy chips, f/c, harder; RBr Gy/LBr chips, he, silic, chl (small sample, 40%)
475	86	87		Gy	gp	tr					1/2			Gy silic chips; wldy he, tr ep
476	87	88		Gy	gp	tr								Gy silic chips, st greenish sst f/c; m li
477	88	89		Gy Br	gp	tr					tr			Gy Br small silic chips, greenish; m li - brownish. small chips
10478	89	90	fr	Gy Br	gp	12					1/2			Gy Br silic greenish chips, more he, more si (some zst/sst?)

AS05560352
SUBMITTED TO ALS CHEMEX -

(small sample, 60%)
(small sample, 40%)

!- SUBMITTED TO ALS CHEMAX ->

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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	He (%)	Qv (%)	Cv (%)	Sulphides (%)	Description and Notes
10479	90	91	fr	Gy	zst		2					tr			Gy, Br zst some he; m he alt ² . Platy chips, thin
480	91	92		Gy	zst		tr					tr 1/2			Gy, Br, Lgy zst, some wk si, m he & li
481	92	93		Gy	zst		12					1/2			Gy, Br, Ru he zst, common sc
482	93	94		Gy	zst		1					tr			Gy, Br, Lgy zst, (rarely) he (alt ² /spils/vlet).
483	94	95		Gy	zst		12					1			Gy, Br zst, mainly he (more) silic. Some wfgst?
484	95	96		Gy	zst		tr					1/2			Gy, Br zst, silic. Slightly he; m li
485	96	97		Gy	zst		1/2					tr			Gy, Lgy Br zst, some silic, weak he in part (pu)
486	97	98		Br Gy	zst		1					tr			" " " " more he, some strong pu (minor)
487	98	99		Br Gy	zst		tr					(6)			Lgy, Gy, Br zst, tr he
488	99	100		Br Gy	zst		tr								" " " " " " Some larger more si, wfgst, part he
10489	100	101		Br Gy	z/so		1/2					1/2			Lgy, Gy zst, m he (pu); some silic gy/he clasts
490	101	102		Gy	z/so		tr					1/2			Gy zst/wfgst, part silic; tr he; less platy chips
491	102	103		Gy	z/so		tr					tr			Gy, Gy Br zst wfgst.
492	103	104		Gy	z/so		1/2								" " " " " " minor he, he vlets
493	104	105		Gy	zst		1								Gy, Gy Br, Lgy zst platy; more he, he vlets.
494	105	106		Gy	zst		1/2					1			" " " " " " increase in wfgst, blocky.
495	106	107		Gy	zst		(2)					1/2			Lgy, Gy Br, Ru zst, smaller chips, more colour!
10496	107	108	fr	Gy	z/so		1/2					1			Gy Br Gy zst & coarser blocky wfgst. Wk he.
	108	109													<u>End of core</u>
	109	110													
	110	111													
	111	112													
	112	113													
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	115	116													
	116	117													
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