RED RIVER RESOURCES Ltd.

DRILL LOG SHEET

PROJECT: BLYTHE Hole No: RRNDDH5 COLLAR CO-ORDINATES: 409,176E 5,442,248N (GDA 94)

LOCATION CODE: AZIMUTH 290° INCLINATION −60° COLLAR R.L:

LOCATION:

MAP/PHOTO REFERENCE:

HOLE SURVEY DATA

INSTRUMENT:

DEPTH	INSTRUMENT INCL.	INSTRUMENT AZ.	ACID ETCH INCL.	ACID ETCH AZ.	REMARKS
COLLAR					

DATE STARTED	14/02/07	HOLE SIZE		FROM	TO	TOTAL	CORE STORAGE	
DATE FINISHED	6/03/07	NON CORE					CNO OF TRAYS	
TOTAL DEPTH	179.7m						SAMPLE STORAGE	
LOGGED BY	J. KARAJAS	CORE	NQ	0	179.7m		ASSAY LAB.	AMMTEC
CONTRACTOR	LIDDS						ASSAY REPORTS	
RIG								
DRILL CREW		CASING					MIN/ & PET LAB.	
							MIN/ & PET REPORTS	
		CASING LEFT						

GRAPHIC/ LETTER SYMBOL LOGGING KEY

S S	TERTIARY SEDIMENT
H H (H)	Yellow/ green Dolomitic limestone - Host rock
- A	Shale Andalusite - bearing hornfels
G/W	Grey/ white dolomitic limestone + magnetites
gt	Garnetiferous dolomitic limestone + minor shales
M M (M)	Mt/ Cc/ Po Metasomatic alteration
	Pyrrhotite - rich rock
	Magnetite - rich rock
(A)	Amphibole alteration
(D)	Dolomitic
(C)	Calcite

STRUCTURE/ ALTERATION CODE

B	BEDDING	O	OXIDATION
J	JOINTING	Po	PYRRHOTITE
C	CLEAVAGE	Mt	MAGNETITE
F	FOLIATION	Py	PYRITE
Sh	SHEARING	Cc	CALCITE
q	QUARTZ VEINS		

DRILLING SUMMARY:

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DIAMOND DRILL LOG

From (METRES)	To	Inter. (m)	Core Rec'd	Sample N°	Graphic Log	% Estimates	Core Angles
		3.2	0.5	15213			
				3.2			
5		6.2	0.3	15214			
		9.2	0.2	9.2			
10		12.2	0.3	15215			
				12.2			
		15.2	0.4	15216			
15				15.2			
		18.2	0	N.S.			
				18.2			
		21.2	0.2	15217			
20				21.2			
		24.2	0.3	15218			
				24.2			
25				15219			

Description (METRES)

0-48.2m: HIGHLY OXIDISED CLAY WITH BANDS OF HEMATITIC IRONSTONE AND GOSSAN
Dominantly red-brown, very low core recovery,
Minor flecks of native copper at 21.2m

24.2-27.2m Strongly gossanous zone with minor semi-massive pyrite

5 10 15 20 25

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DIAMOND DRILL LOG

From (METRES)	To	Inter. (m)	Core Rec'd	Sample N°	Graphic Log	% Estimates	Core Angles	Description
25				25.7				0-48.2m interval continued
			2.0	15220				Very low core recovery.
		27.2		27.2				
			0.1					
30		30.2		15221				
			0.1					
		33.2		33.2				
35			0.1					
		36.2		15222				
			0.1					
		39.2		39.2				
40				15223				
			0.2					
		42.2		42.2				
				15224				
			0.3					
45		45.2		45.2				
			1.4	15225				
		48.2		48.2				
				15226				
50								

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From (METRES)	To	Inter. (m)	Core Rec'd	Sample N°	Graphic Log	% Estimates py cpy	Core Angles B V F	Description
50		51.2	1.4	51.2	Δ Δ Δ			48.2 – 54.2m MODERATELY OXIDISED BRECCIATED SHALE Brown-grey to dark grey with limonite ex disseminated sulphides
				15227 52.7	Δ Δ			
			2.0	15228 54.2	Δ Δ Δ			
		54.2						
55				15229 55.7	≈≈			54.2 – 60.2m SHEARED TO SLIGHTLY BRECCIATED INTERBEDDED SHALE AND SANDSTONE Dark grey shale, light grey sandstone, Bedding TCA is 0–10° between 56–57m
			1.8	15230 57.2	Δ Δ		0–10°	
		57.2			≈≈			Massive black shale 59.5–60m
			1.0	15231 60.2	≈≈			
60		60.2						
			1.0	15232 63.2	≈≈			60.2 – 63.0m HIGHLY OXIDISED CLAY ex ? shear zone
		63.2						
65				15233 65.2	Δ Δ Δ ≈≈			63.0 – 72.2m: BRECCIATED SANDSTONE AND SHALE: Mainly tectonic breccia, minor gas milled breccia, minor less brecciated zones; light grey sandstone, dark grey to black shale, strongly contorted with variable bedding TCA angles ranging between 10° in places to 60–70° in places. Sulphides oxidised in this interval.
		65.2	1.0					
				15234 67.2	Δ		10°	
			4.3	15235 69.2	Δ Δ Δ			
		69.2						
70				15236 70.5	Δ Δ			
			3.0	15237 72.2	Δ Δ Δ		60–70°	
		72.2						
				15238 73.7	Δ Δ Δ	; tr		72.2 – 79.2 m SANDSTONE STRAINED TO BRECCIATED light grey, with interbedded and ill laminated black shale Strained sections show variable bedding TCA angles 75
			3.0	15239 75.2	Δ Δ Δ	/	40–50°	
75		75.2						

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DIAMOND DRILL LOG

From (METRES)	To	Inter. (m)	Core Rec'd	Sample N°	Graphic Log	% Estimates py	% Estimates cpy	Core Angles B	Core Angles V	Core Angles F	Description
75				15240							72.2–79.2m interval continued.
			3.0	76.7			tr				Brecciated sections: tectonic breccia
				15241							1–3% py, tr cpy as blebs and thin veinlets
		78.2		78.2						0–10°	
				15242							
			3.0	79.7			tr				79.2–80.8m BLACK SHALE Massive to weakly brecciated
80				15243							w/ 1–5% py / tr cpy as blebs and veinlets, minor brown carb veinlets
		81.2		81.2							
				15244			tr				80.8–98.5m: STRAINED SANDSTONE WITH MINOR
			3.0	82.7						70–80°	BRECCIA Generally with ≈5% py, tr cpy
				15245							as blebs and veinlets, commonly infilling stretch
		84.2		84.2							fabrics.
85				15246							
				85.7							Minor interlaminae to interbeds of black shale.
			3.0	15247							
		87.2		87.2							
				15248							
			3.0	88.7						70–80°	
				15249							
		90.2		90.2							
90				15250							Below 90m, sulphide blebs show very clear
			3.0	91.7							infill of strain fabrics.
				15251							
		93.2		93.2							
				15252							
				94.7						0–10°	
95			3.0	15253							
		96.2		96.2							
				15254							
			1.9	97.7							
		98.5									
				15255							
		99.2	0.7	99.2			tr				
100											

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DIAMOND DRILL LOG

From (METRES)	To	Inter. (m)	Core Rec'd	Sample N°	Graphic Log	% Estimates Py	% Estimates cpy	Core Angles B	Core Angles V	Core Angles F	Description
100				15256 100.7							98.5–111.2m: BRECCIA ZONE WITH STRAINED INTERVALS. Predominantly sandstone with shale interbeds and laminae. Both gas-milled and tectonic breccias occur in this interval. Strained zones can be contorted or with bedding TCA ranging 0-10° to 40-50°, they show gradation into breccias. Generally 5%, in places up to 10%, Py as blebs and veinlets, tr cpy. 30cm quartz vein (brecciated) at base, adjacent to a shear.
		102.2	3.0	15257 102.2			tr		40-50°		
				15258 103.7							
			3.0	15259 105.2							
105		105.2									105
		106.7	1.5	15260 106.7							
				15261 108.2							
			3.0	15262 109.7					0-10°		
		109.7									
110		111.2	1.7	15263 111.2							110
				15264 112.7			tr		0-10°		111.2–115.5m TRANSITIONAL STRAINED TO BRECCIATED ZONE. Interbedded sandstone and shale with strain fabrics and moderate brecciation. 5% Py as veinlets and blebs, tr cpy, blue-grey manganese staining on fractures.
			3.0	15265 114.2							
		114.2									
115				15266 115.7					70-80°		115
			3.0	15267 117.2			tr		70-80°		115.5–117.2m SLIGHTLY STRAINED MASSIVE SANDSTONE w/ 2-5% Py, tr cpy as blebs and veinlets.
		117.2									
				15268 118.7			tr				117.2–126.2m BRECCIATED SHALE AND SANDSTONE, both tectonic and gas milled breccias, with minor less brecciated strain zones. Generally 5% py, tr cpy as veinlets and disseminated blebs, minor patches of coarse dark brown ? garnet.
			3.0	15269 120.2							
120		120.2									120
				15270 121.7							
			3.0	15271 123.2							
		123.2									
				15272 124.7							
125											125

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DIAMOND DRILL LOG

From (METRES)	To (METRES)	Inter. (m)	Core Rec'd	Sample N°	Graphic Log	% Estimates py	cpy	po	Core Angles B	V	F	Description
125		126.2	3.0	15273 126.2	A A		tr					126.2–127.2m BLACK SHALE, weakly brecciated
				15274 127.7	A		tr					w 1–5% disseminated blebby py, tr cpy.
		129.2	3.0	15275 129.2	A		tr					127.2–131.8m: SANDSTONE, slightly strained and weakly brecciated with minor interbeds and laminae of black shale. 1–2% py, tr–½% po, tr cpy as disseminated
130			2.6	15276 130.7	A							blebs and veinlets. Bedding TCA = 70–80°
		131.8		15277 132.2					70–80°			END OF STRAIN ZONE.
			3.1	15278 133.7	A A		tr		70–80°			131.8–144.7m MASSIVE TO WEAKLY BRECCIATED SANDSTONE, weakly fractured with minor interlaminae to interbeds of black shale.
135		134.9		15279 135.2								Tr–½% py as veinlets and disseminated grains + blebs
			2.0	15280 136.7	A A							tr–½% po as disseminated grains.
		137.2		15281					45°			tr cpy.
		138.2	1.0	138.2								
			2.0	15282 139.7	A							
140		140.2		15283 141.2	A							
		141.7	1.0	15284 142.7	A							
			3.0	15285 144.2	A							
		144.7		15286 145.7	A							144.7 – 155.3m MASSIVE SANDSTONE
145		146.2	1.5	15287 147.2								Weakly fractured w/ vere pyrite infill veinlets in fractured zones. Minor white carbonate veinlets.
			3.0	15288 148.7								
		149.2		15289 150.2								
150												

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From (METRES)	To	Inter. (m)	Core Rec'd	Sample N°	Graphic Log	% Estimates py	po	cpy	Core Angles B	V	F	Description
150												150
			4.2	15290							/	144.7–155.3m MASSIVE SANDSTONE (continued).
		152.2		152.2							)	
		153.7	1.6	15291							/	
				153.7							/	
				15292							/	
155				155.2							/	155
			3.0	15293	A	•						155.3–160.1m: SILICIFIED WEAKLY BRECCIATED
		156.7		156.7								SANDSTONE with minor quartz/pyrite veining and
		158.2	1.5	15294	A	–						pyrite as infill in vugs and as veinlets
				158.2								
		159.7	1.5	15295	A A	/						
				159.7								
160				15296	A (SR) A	: :	:	tr				160.1–161.1m SKARN ex gas-milled breccia
				161.2								w/ 1–10% blebby disseminated py/po 160
			3.0	15297								161.1–167.0m SILICIFIED WEAKLY BRECCIATED
		162.7		162.7	A							SANDSTONE with 1–2% py/po as disseminated
		164.2	1.5	15298								grains and veinlets.
				164.2	A							
165				15299								165
				165.7	A							
			3.0	15300	A							
		167.2		167.2								
				15301								167.0–169.2m: INTERBEDDED SANDSTONE AND SHALE
				168.7		:		tr				Bedding TCA is 0–10°. 1% py, tr cpy as veinlets and
		169.2	2.0	15302		:					0–10°	disseminated grains.
170				170.2								169.2–176.6m: SILICIFIED SANDSTONE
			2.5									Fractured w/ 1–2% py veinlets, tr cpy.
		171.2		15303				tr			0–10°	Bedding TCA = 0–10° to 173m, then 30–40° TCA.
				171.7								
			2.0	15304								
		173.2		173.2								
				15305							30–40°	
			2.5	174.7								
175												175

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DIAMOND DRILL LOG

From (METRES)	To (METRES)	Inter. (m)	Core Rec'd	Sample N°	Graphic Log	% Estimates py	% Estimates po	% Estimates cpy	Core Angles B	Core Angles V	Core Angles F	Description
175		175.7		15306								169.2–176.6m interval continued. (METRES) 175
		176.2	0.5	176.2								
				15307								176.6–179.7m: CARBONATE VEINED SILICIFIED SANDSTONE with black shale laminae. Colloform banded vuggy calcite veining and py veinlets as open space infill.
			3.0	177.7								
				15308								
		179.7		179.7								
180												180
												E.O.H. @ 179.7m