LACANA MINING INC: PROPERTY GILT EDGE

Sheet 5 of 7
Drill Hole # RGE-10

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Washed Rec.	Clays	$CaCO_3$	FeOx	Vein Quartz	Silicification	Sulfide % PYRITE	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	SILVER VALLEY OPT Ag	SHMC OPT FIRE Au	SHMC OPT FIRE Au Ag	SHMC Au	SHMC Ag	REMARKS:	
50	250			Wet			MD-GRN	80		Nil	LT		MOD	<1	SHALE	DEADWOOD FM Є		.008							SHALE AS AT 243'
																								250'-255' PY IN DK GRN-GY SS INTERBEDDS TO 5-10%	250'-255' DECR IN BLEACHING
51	255			"			DK-GRN TO LT GRN	60		"	GEO LT		LT	1-2	254'	254'		.006						254'	254'
															TRACHYTE	TERT. INTRUS									TRACHYTE LT GY TO LT OR BRN, MD TO CS GRN FELD, NO MAFICS OBSERVED
52	260			"			LT GRAY	50		"	GEO LT			<1				.006						PY COMPLETELY OXIDIZED	
																								260'-270' MOD FEOX	
53	265			"			LT GY + OR-RD BRN	60		"	MOD GEO HM			<1				.010						W/ EQUAL PROP. OF HM + GEO	
54	270			"			LT GY + OR-RD-BRN	60		"	LT GEO HM			<1				.010							
55	275			"			LT GY W/ DK GY	50		Moo	LT HM GEO			1-2	274'	274'		.012						274'	274'
															SHALE	DEADWOOD FM Є								PY OCCURS AS SULF. VNLT ON FCT	SHALE W/ CALC. INTERBEDS FN GR, DK GRN
56	280			"			DK GY	70		Moo	GEO-HM V. LT			2-3				.010							
57	285			"			DK GY	70		Moo	GEO V. LT			3-5	285'			.008						285'	285'
															QTZITE				Ag						QUARTZITE FN GRN LT GY
58	290			"			LT GY	60		LT	GEO LT			1				.006	Nil	.015	.015		.012	MINOR PY ON FCT	290'-300' NARROW SILL OF HB PORPH.
59	295			"			LT GY + DK GY	50		"	GEO LT			1		NARROW HB DIO SILL		.006	.10	.010	.010		.009	290'-300' INCR PY TO 3% IN HB DIO SILL; 290'-295' TOTALLY OXIDIZED	
60	300			"			MED GY	70		Nil	GEO LT			1-3				.008	.11	.010	.010		.010		
61	305			"			"	60		Nil	GEO V. LT			1				.006	.06	.025	.025		.019		
															306'	306'								306'	306'
62	310			"			MED GRN GY	70		Nil	GEO V. LT			1	HB DIO PORPH	TERT. INTRUS		.004	.07	.025	.025		.010	MINOR PY ON FCT RARE REPL HB	HB DIO PORPH. MD GRN, FN GRN 5% HORNBLEND MOST FRESH

LACANA MINING INC: PROPERTY GILT EDGE

Sheet 6 of 7
Drill Hole # RGE-10

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Washed Rec.	Clay%	$CaCO_3$%	FeOx%	Vein Quartz	Silicification	Sulfide % PYRITE	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	SILVER VALLEY OPT Ag	SHMC OPT FIRE Au	SHMC OPT FIRE Au ~~Ag~~	Au	Ag	REMARKS:	
63	315			WET			MD GRN GY	90		Nil	Nil			1-3	HB DIO PORPH	x x x x x		.004	.07	.025	.015		.015		HB DIO PORPH
																								310'-341' INCR PY	AS ON P.5
64	320			"			"	70		"	GEO LT			2-4		TERT. INTRUS. x		.002	.06	.010	.010		.007	DUE TO INCR. IN	
																								PY VNLTS ON FCT	
65	325			"			"	70		"	GEO LT			2-4		x x x x x x		.004	.02	.020	.020		.015	FN GRN W/ MIN. MED	
																								GRN	
66	330			"			"	80		"	Nil			3-5		x x x x x		.012	Nil	.025	.025		.021		
67	335			"			"	70		"	Nil			3-5		x x x x x		.004							
68	340			"			"	70		"	Nil			2-4	341'	341' x x x		.006						341'	341'
															QTZITE										DIRTY QTZITE
69	345			"			DK GY	70		"	GEO LT			5-10	(DIRTY)	DEADWOOD FM. €		.008						PY ON FCT, MIN DISSEM V. FN GRN	DK GY, FN GRN
70	350			"			DK GY	90		"	GEO LT			4-8	351'			.014						351'	351'
71	355			"			LT GY	40		"	GEO V.LT			<1	QZTITE (CLEAN)			.014							QTZITE LT. GY, FN GRN, 99% QTZ
																								MINOR PY ON FCT	
72	360			"			"	50		"	"			1				.008						V. FN GRN, RARE Cs BLEBS PY	
73	365			"			"	50		"	"			<1				.006							
74	370			"			"	50		"	"			1				.006							
75	375			"			"	40		"	"			1				.008							

LACANA MINING INC: PROPERTY GILT EDGE

Sheet 7 of 7
Drill Hole # RGE-10

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Washed Rec. +12M	Clay%	$CaCO_3$%	FeOx%	Vein Quartz	Silicification	Sulfide % PYRITE	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	Ag	Au	Ag	Au	Ag	REMARKS:	
76	380			WET			LT. GY	20		Nil	GEO V. LT			<1	QZTITE	DEADWOOD FM ∈		.006						MINOR PY ON FCT	QZTITE AS ON P. 7
77	385			"			LT GY	20		"	"			<1	386'			.004						386'	386'
78	390			"			BLACK	40		"	"			<1	MAGNETIC SHALE	~ ~ P∈(?)		.012						MINOR PY ON FCT	BLK MAGNETIC SHALE V. FN GR
79	395			"			BLACK	50		"	"			1		~ ~		.010							
80	400			"			BLACK	50		"	Nil			<1		~ ~		.006						400' E.O.H. 400'	

LACANA MINING INC: DRILL LOG DRILL HOLE NO. RGE-11

PROPERTY GILT EDGE STATE S.D. CO. LAWRENCE QUAD DEADWOOD SOUTH

SEC T 4N R 4E CLAIM COORDINATES: (N) (S) 247,992 (E) (W) 1,126,713

CONTRACTOR LANG HELPER SAMPLER RJM&MW LOGGER RJM/SS/MW

TYPE DRILLING REV. CIRC. TYPE DRILL TRACK MOUNTED COLLAR ELEVATION 5523 FT

BEARING INCLINATION VERT. TOTAL DEPTH 379' HOLE DIAMETER

CASING BOTTOM ELEVATION WATER LEVEL

SAMPLE DISPOSITION SUMMARY COST/HR COST/FT $8.00

SHEET 1 OF 7 DATES: START COMP.

TIME: START COMP.

MOVING TIME: START COMP

STANDBY TIME: START COMP

TOTAL HOURS DRILLED HOURS COST

BIT COST TOTAL COST

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Wash Rec. +/2M	Clay%	$CaCO_3$ %	FeOx %	Vein Quartz	Silicifi-cation	Sulfide % PYRITE	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	Ag	Au	Ag	Au	Ag	Remarks:	
1	5			DRY		MED BRN	DK BRN + DK GY-GRN	60		Nil	GEO MOD			Nil	SOIL + ALLUV.			.006						0-≈13' SOIL AND ALLUVIUM	
																								CONSISTING OF FRAG. OF SHALE AND HB DIO	
2	10			"		"	DK BRN + DK GY-GRN	70		"	GEO MOD			Nil				.056						PORPH. (?)	
																				10'		.042			
3	15			"		"	"	60		LT	GEO LT-MOD			Nil	13'	13'		.028						13'	13'
															SHALE W/ CALC. INTERBEDS	DEADWOOD FM Є									DEADWOOD FM Є
4	20			"		DK GY GRN	DK GRN-GY	50		MOD	GEO LT		MOD	<1		CO_3		.020						20' LIMIT OF OXIDATION	SHALE W/ CALC.
																									INTERBEDS
5	25			"		MD GY-GRN	MED-DK GRN-GY	50		"	TR		"	<1		CO_3		.012						PY RARELY OBSERVED	13'-22' FN GRN, DK GRN SHALE
																								AS FN-MED GRN XLS ON	22'-52' FN GRN, LT TO MED
6	30			"		"	MED GRN-GY	60		"	"		"	<1				.006						FCT SURFACES.	GRN-GREEN; BLEACHING
																CO_3									DUE TO SILICIF. ON BEDDING
																									PLANES;
7	35			"		"	"	70		"	"		"	<1				.002							SHALE CONTAINS NUMEROUS
																									CALC. INTERBEDS OF FN
																CO_3									TO MED GRN DIRTY SS +
																									POSS LS.
8	40			"		"	LT-MED GY-GRN	60		"	Nil		"	<1				.002						35'-40' RARE FRAG HB DIO	
																								PORPH.; PROB NARROW SILL	
9	45			"		"	"	40		"	"		"	<1		CO_3		.004							
10	50			"		"	MED GY-GRN	40		"	"		"	<1		CO_3		.004							
															52'	52'								52'	52'

LACANA MINING INC: PROPERTY GILT EDGE

Sheet 2 of 7
Drill Hole # RGE-11

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Washed Rec. +12M	Clay³	$CaCO_3$³	FeOx³	Vein Quartz	Silicification	Sulfide % py	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	Ag	Au	Ag	Au	Ag	REMARKS:	
11	55			WET			MED GRN-GY	70		MOD	Nil			1-3	HB DIO PORPH.	X X X		.002						52'-62' PY ON FCT w/ MINOR PY REPL. HB	52'-62' HB DIO POR MED GY-GRN, FN GRNED, 10% HB PHENOS. MOST HB ALT TO CNL, SOMETIMES REPL. BY PY + CALC.;
																TERT. INTRUS.									
12	60			"			"	60		"	"			1-3		X x x		Nil							PROPYLITICALLY ALTERED
															62'	62' X X								62'	62'-87' DEADWOOD SHALE
13	65			"			"	70		"	"			1-3	SHALE			Nil							GY-GRN shale w/ thin
																									intlds of BRN shale &
																									rale, V. FN. SS or shales
14	70			"			"	60		LOW TO MOD.	"			<1				.004							
15	75			"			"	40-60		"				<<1% Py				.018							
16	80			"			MOD TO DK GRY-GRN	40-45		"				.5-1% Py TR. PYR				.016							
17	85			"			"	30-40		"				<<1% Py				.004							
															87'									87'	
18	90			"			MOD. GRY GRN	55-65		"				<1% Py	HB DIO. PORPH.			.006						Py on Fracs & diss.	87-93' HB DIO POR. very "bleached" lt GY Fine GRND Por. hbld altered to Chlorite + epid? + FeS₂ + CaCO₃
															93'									93'	
19	95			"			MOD. GRY-GRN w/ MANY DK BROWN	40-65		"				.5% Py	SHALE			.006						Along bdd & Fracs (.1 - 1mm)	93-100' DEADWOOD SHALE
20	100			"			DK GY + MD GY GRN	40		"	"			TR. PYR <1	100' HB DIO. POR.			.006						100' Slt to stng alteration of hbld to chlorite + FeS₂ + CaCO₃ & epid.	100'-114' HB DIO. POR. 5-10% hbld laths (& pyrox) 1-4mm long + 10-20% clay after plag.
21	105			"			MED GY-GRN	50		"	"			2-4				.002						Pyrite diss & along Fracs .1-2mm	
22	110			"			"	50		"	"			3-5				.006							
23	115			"			"	50		"	"			3-5	114' SHALE			.004						114' Pyrite mostly along bedding	114-118' DEADWOOD SHALE lt brn & GY-GRN shale

LACANA MINING INC: PROPERTY GILT EDGE

Sheet 3 of 7
Drill Hole # RGE-11

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Washed Rec. +/2M	Clay%	$CaCO_3$%	FeOx%	Vein Quartz	Silicification	Sulfide % PYRITE	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	Ag	Au	Ag	Au	Ag	REMARKS:	
24	120						DK BRN w/ GY-GRN	50		WK TO MOD	Nil			1-2	118' HB Dio Por			.004						118' FeS2 as diss. & veinlets (.1-.5mm)	SHALE-COATS. 118'-125' HB Dio Por As before (100-114)
25	125						MED GY-GRY	40		"	"			1-2	125' SHALE			.004						125' mostly along bding	125'-136' DEADWOOD SHALE Z tbdd. Dk GRN-GY & BRN Shales + L.S. beds (thin)
26	130						DK BRN w/ MD GY-GRN	50		"	"			5-10				.032		5'	.032				
27	135						"	40		"	"			1-2	136' HB Dio Por			.006						136' FeS2 as diss & veinlets (.1 mm to .5 mm)	136-140' HB Dio Por as before
28	140						MED GY-GRN	30		"	"			1	140' SHALE			.014						140' FeS2 along bding some veinlets (.1-2mm) some "OSF."	140'-151' DEADWOOD SHALE as 125-136'
29	145						DK BRN + MD GY-GRN	60		"	"			3-5 PYR 10				.016							
30	150						"	70		"	"			<1	151' HB Dio Por			.004						151' FeS2 diss & veinlets (.1-2mm)	151'-157' HB Dio Por as before
31	155						MED GY-GRN	40		"	"			1-3	157' SHALE			.002						157' 162-163' lt yell-BRN 1mm to 4mm Sphalerite	157'-169' DEADWOOD SHALE
32	160						MED GY-GRN w/ DK RED	50		"	"			TR PYR /				.004							
33	165						DK BRN	50		"	"			<1				.002							as 125-136'
34	170						"	50		"	"			1-2	169' HB Dio Por			Nil						169' Mostly diss & veinlets (.1-.5mm)	169'-179' HB Dio Por. as before Mod to strong alteration of hbld to chlorite + seicit. + $CaCO_3$ + FeS_2 + $Fe_{1-x}S$.
35	175						MED GY-GRN	40		"	"			3-5				.002							
36	180						"	40		"	"			TR PYR 3-5	179' SHALE			.002						179'	179' = DEADWOOD SHALE

LACANA MINING INC: PROPERTY GILT EDGE

Sheet 4 of 7
Drill Hole # RGE-11

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Washed Rec. +12 M	Clay%	$CaCO_3$%	FeOx%	Vein Quartz	Silicification	Sulfide % Pyrite	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	SILVER VALLEY OPT Ag Au	SHMC OPT Au	SHMC OPT Ag Au	Au	Ag	REMARKS:	
37	185						Md to Dk BRN	65	nil		nil			1/2	Shale	DEADWOOD FM. (€)		.018						180-203 mostly pyrite along bdd.	179-209' DEADWOOD FM. 6 Dk BRN shale (fissile) 203'-209' Intbdd Dk BRN & Dk GY-GRN shale.
38	190						Dk BRN	60	"		"			1/2				.002							
39	195						Dk BRN	65	"		"			tr.				.002							
40	200						Dk BRN	55	"		"			tr.				.016							
41	205						Dk BRN	75	"		"			1/2-1 3-5	PY PYR			.012						203'-209 mostly pyrrhotite as replace(?) along bdd. some veinlets .2-3mm	
42	210						Dk GY-GRN	80	"		"			1/2-1 10-15	209' DIORITE	DIORITE		.010						209' 209'-217' Pyrite + Pyrrhotite + Magnetite (?) + Qtz as diss & veinlets (.1mm-1mm)	209'-217' HORNBLENDE DIORITE PORPHYRY; Md GY; Fine GRN; Porph. w/ 5-10% feldspars 1-3mm that are difficult to see in aphat gnd mss. FeS_2 + $Fe_{1-x}S$ form lath-shaped diss. as thrush replacing hbld or plag.
43	215						Md GY	70	"		"		✓	1-2 5-5 1-2 5-5			SH	.032			15'	.028		217'	
44	220						Dk GY-BRN	65	"		"			1/2-1 5-10	217' Shale	DEADWOOD FM (€)	.026	.032	(.032)	.02	(.02)	4 (.026)		215-225 in addition to abundant pyrrhotite get 1-3% Arsenopyrite	217'-256' DEADWOOD FM. (€)
45	225						Dk GY-BRN	80	"		"			1-2 25-30			.023	.020	(.036)	.025	(.025)	4 (.027)		approx. -229-243' Nearly massive pyrrhotite w/ minor pyrite.	217-243' Intbdd Md BRN & GRN-GY shale & Dk GY v. Fine GRND SS. Mostly Shale between 217-235'
46	230						Dk GY	60	"		"			1-2 25-30			.020	.024	(.022)	.015	(.015)	4 (.019)			
47	235						Dk GY	85	"		"			1-2 50-75			.022	.018	(.028)	.025	(.02)	4 (.023)			
48	240						Dk GY	70	"		"			1-2 50-75			.009	.008	(.016)	.01	(.01)				
49	245						Md GY-GRN	90	"		Tr.			3-5 10-20	Quartzite		.010	.010	(.014)	.01	(.01)				243'-253' Lt GY; Fine to Md GRN; indurated Qtzte.

LACANA MINING INC: PROPERTY GILT EDGE

Sheet 5 of 7
Drill Hole # RGE-11

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Washed Rec. +12 m	Clay%	$CaCO_3$%	FeOx%	Vein Quartz	Silicification	Sulfide % Pyrite % Pyrrhotite	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	Ag	Au	Ag	Au	Ag	REMARKS:	
50	250						Lt Gy	55	nil		nil			3-5 / 1-2	Lt. GY Qtzite	DEADWOOD FM. (€)		.008						243'-256' FeS_2 as .1-1mm veinlets,	217'-256' DEADWOOD FM. (€)
															Lt to Md BRN Quartzite										253'-256' lt to Md BRN; V. Fine to Fine GRN.; Quartzite
51	255						Md GY-GRN	80	"		"			3-5 / tr.				.012							
													✓		256' DIORITE	DIORITE								256' FeS_2 Diss. & .1-2mm veinlets.	256'-259.5' HORNBLENDE DIORITE PORPH;
52	260						Md GRN-GY	85	"		"		✓	3-5 / tr.	259.5			.010						259.5'	
															Md BRN Quartzite	DEADWOOD FM. (€)								.1-1mm veinlets (260-268)	259.5-268' DEADWOOD FM. (€) lt to Md Brown; Fine to V. Fine GRND Qtzite.
53	265						Md BRN	75	"		tr.			2-3 / nil				.006							
															268'									268'	
54	270						Md GRN-BRN	75	"		"		✓	3-5 / 1-2	DIORITE	DIORITE		.004						Pyrite, Pyrrhotite, Magnetite + Qtz as diss. and .1-2mm veinlets (268'-297')	268'-297' HORNBLENDE DIORITE PORPHYRY; Md GY to GY-GRN; Fine GRND; Porph. w/ 1-4mm feldspar phenos (10-15%) FeS_2 + $Fe_{1-x}S$ + Fe_3O_4 occurs as lath to tabular shaped diss, as though replaced hbld &/or plag. - no fresh hbld.
													✓												
55	275						Md GY-GRN	70	"		nil		✓	2-3 / 1-2				Nil							
													✓												
56	280						Md GY-GRN	80	"		"		✓	1-2 / 1-2				Nil							
													✓												
57	285						Md GRN-GY	75	"		"		✓	1-2 / 1-2				.006							
													✓												
58	290						Lt GY-BRN	85	"		"		✓	1-2 / 1-2				.004							
													✓												
59	295						Md GY-GRN	90	"		tr.		✓	1-2 / 1-2				.006							
													✓		297'									297'	
60	300						Md BRN-GY	95	"		nil			3-5 / tr.	Quartzite (Md BRN to 305)	DEADWOOD FM. (€)		.008						Pyrite + FeOx as .1 to 2mm veinlets	297'-359' DEADWOOD FM. (€)
61	305						Md BRN-GY	25	"		"		✓	2-3 / tr.	lt GY Quartzite			.026							297' to ≈305' lt to Md BRN and GY-GRN; FN GRND; Quartzite.
											nil									10'	.037			297-358'	305'-356' lt. GY.; fine to Crse GRND; indurated; Quartzite; sutured GRN Boundaries.
62	310						Lt ORB-GY	55	"		2-3			2-3 / nil				.048							

LACANA MINING INC: PROPERTY GILT EDGE

Sheet 6 of 7
Drill Hole # R6E-11

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Washed Rec. +12M	Clay%	$CaCO_3$%	FeOx%	Vein Quartz	Silicification	Sulfide % Pyrite	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	Ag	Au	Ag	Au	Ag	REMARKS:	
63	315			Wet			Lt ORG-GY	30	nil		2-3			FeS_2 Tr-½	Quartzite	DEADWOOD Fm (t.)		.018						Pyrite and FeOx	297'-359' DEADWOOD FM(t) lt GY, Fine to LRSE GRN;
64	320			"			Lt ORG GY	60	"		1-2			1-2 nil				.020						(ORNGE-BRN + minor RED-BRN)	Qtzite as before. Massive i.e. no obvious bdding.
65	325			"			Lt GY-ORG	55	"		1-2			1-2 nil				.008						in frac. (.1 - 2mm)	½ to 1% white $CaCO_3$ (Fossil hash ?).
66	330			"			Lt GY-ORG	20	"		1			1-2 nil				.010							
67	335			"			Lt GY	40	"		½			½ nil				.006							
68	340			"			Lt GY	20	"		½			½ nil				.008							
69	345			"			Lt GY	35	"		tr			½ nil				.010							
70	350			"			Lt GY	30	"		tr			1 nil				.006						(MOLY) .3 - 4mm veinlets	
71	355			"			Lt GY	15	"		tr			1-2 nil				.008						* approx 358'-359 get 1-2% lt silver gy non-mag soft metallic - ~~galena~~ ?	356'-359' lt. to Dk BRN; fine GRN; indurated; Quartzite. Massive ~~[illegible]~~
72	360			"			Lt GY Dk BRN	50	"		tr			1-2 nil	359' "Iron Stone"	Precambrian		.022						359'	359'-373' PRECAMBRIAN "IRON FORMATION" (Argillite)
73	365			"			Dk BRN	55	"		nil			tr.				.008							Dk BRN, v. fn GRN; weakly fol.; qtz(?)-rich argillite w/ concoidal fracturing common on larger frags.
74	370			"			Dk BRN	45	"		"			tr.				.010							
75	375			"			Dk BRN Lt GY-GRN	30	"		"			tr.	373' DIORITE 375' Iron Formation	DIORITE Precambrian		.006						373' 375'	373'-375' HORNBLENDE DIORITE PORPH. 375-380 PRECAMBRIAN; as Above.

LACANA MINING INC: PROPERTY GILT EDGE

Sheet 7 of 7
Drill Hole # RGE-11

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Washed Rec. %	Clay%	$CaCO_3$%	FeOx%	Vein Quartz	Silicification	Sulfide % Pyrite	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	Ag	Au	Ag	Au	Ag	REMARKS:
76	380			wet			Dk BRN	60	nil		nil			½-1	Iron Formation	Precambrian LLLLL		.004						375-380 PRECAMBRIAN, as before
																								EOH
																								Note: lost second tri-cone at 379' and ended hole at 379' NOT 380'

LACANA MINING INC: DRILL LOG DRILL HOLE NO. RGE-12
PROPERTY GILT EDGE STATE S.D. CO. LAWRENCE QUAD DEADWOOD SOUTH
SEC T 4N R 4E CLAIM COORDINATES: (N) (S) 748,148 (E) (W) 1,126,523
CONTRACTOR LANG HELPER Tom / Jerry SAMPLER RJM / RW LOGGER RJM
TYPE DRILLING REV. CIRC. TYPE DRILL TRACK MOUNTED COLLAR ELEVATION 5537 Ft
BEARING — INCLINATION Vert. TOTAL DEPTH 400' HOLE DIAMETER 5 3/4
CASING 12' of 6" BOTTOM ELEVATION WATER LEVEL 45'
SAMPLE DISPOSITION SUMMARY COST/HR COST/FT $8.00

SHEET 1 OF 7 DATES: START COMP.
TIME: START COMP.
MOVING TIME: START COMP
STANDBY TIME: START COMP
TOTAL HOURS DRILLED HOURS COST
BIT COST TOTAL COST

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Wash Rec. +12M	Clay%	$CaCO_3$ %	FeOx %	Vein Quartz	Silicification	Sulfide % Pyrite	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	Ag	Au	Ag	Au	Ag	Remarks:	
1	5			Dry		Md ORG-BRN		85	5		3-5			nil	Soil & Alluvium			.004						0-21' ORG-BRN; Goethite-Jarosite pervasively stained frags to frac. w/ Goe-Jars only in fracs. (.1-1mm)	0-21' Soil & Alluvium ORG-BRN stained clay + Diorite frags w/ minor Cambrian Deadwood shales
2	10			"		Md ORG BRN		95	5		3-5			"				.002							
3	15			"		lt.-Md ORG-BRN		75	5		2-3			"				.002							
4	20			"		Md-Dk ORG-BRN		70	5		3-5			"				.004						21'-35' FeOx prob. at least in part cont. from uphole. FeOx as above.	21 21'-74' DEADWOOD FM. (E)
5	25			"		Md GRN GY		75	1-2		1/2			1/2	21' LS. & Shale	DEADWOOD Fm. (E) $CaCO_3$		.004						25-30 2 1/2% Magnetite (Dk GY) Blebs	20-39' Int bdd; V. Fn GRN; Md to Dk GRN GY Shale & Calc Mudstne ± L.S.
6	30			"		Dk GRN GY		75	nil		Tr.			tr.		$CaCO_3$		.002						21'-74' Along bdding planes & as veinlets (Fracs) up to 1-2mm Frags, esp. intense 39'-57'	
7	35			"		Md GRN GY		75	"		"			1/2		$CaCO_3$		.004							
8	40			"		Md GY GRN		60	"		nil			1/2-1		$CaCO_3$		.004							39'-57' lt GY; V. FN. GRN; Intsly silicified + pyritized Shale(?) w/ tan to lt BRN 1mm-3mm bands of shale.
9	45			"		Md GY		70	"		"			2-3				.008							
10	50			Wet	"		lt GY	80	"		1/2			3-5				.010							

LACANA MINING INC: PROPERTY Gilt Edge

Sheet 2 of 7
Drill Hole # RGE-12

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Washed Rec. +12 M	Clay%	$CaCO_3$%	FeOx%	Vein Quartz	Silicification	Sulfide % Pyrite	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	Ag	Au	Ag	Au	Ag	REMARKS:	
11	55			wet			Lt. GY	95	nil		1/2			5-10	Shales	DEADWOOD FM. (E)		.076						Between 45-60' Pyrite	DEADWOOD FM. (E) as before
																				10'	.055			Also as blebs occassional fmc. upto 2mm	57'-74' Intbdd; V. Fn GRN; Md. GRN
12	60			"			Lt-Md GY	95	"		1-2			5-10		$CaCO_3$		.034							GY & Dk GY shales w/ thin Calc. Mudstones as L.S. lenses
13	65			"			Md-Dk GRN-GY	98	"		1/2			1-2		$CaCO_3$		.024						45-115 FeOx as	
																								Frac. Fillings in both Deadwood &	
14	70			"			Md GRN-GY	98	"		1/2			nil		$CaCO_3$		.004						Diorite + most commonly along bdng in Deadwood.	
15	75			"			Dk GY-GRN	85	"		1-2			"	74' DIORITE	DIORITE		.002						74'	
																								78'	74'-78' HORNBLENDE DIORITE PORPH. V. Lt GY; FN GRN; FeOx after hbld
16	80			"			Lt ORG-BRN to GRN-GY	90	"		2-4			"		DEADWOOD FM. (E)		.002							78'-104' DEADWOOD FM. (E)
																									Intbdd GY-BRN & BRN Shale
17	85			"			Md BRN	85	"		2-4			"				.004							78-92' FeOx (ORG-BRN) stained along bding.
18	90			"			Md BRN to ORG-BRN	85	"		2-4			"				.002							
19	95			"			Lt. GRN-GY to Dk BRN	65	"	✓	1-2			"				.002						90-104' 1-1mm veinlets of Calc. &/or Pyrite + Calc.	
20	100			"			Dk BRN	80	"	✓	1/2			1-2				.002							
21	105			"			Dk BRN to Lt GY-GRN	75	"		tr.			2-3	104'	DIORITE		.010						104'	
																								104-125 Calc +	104'-125' HORNBLENDE DIORITE PORPH.
22	110			"			Lt-Md. GY	65	"		1-2			3-5				.006						Pyrite in 1-1mm veinlets & diss.	Lt to Dk GY; Fn GRN; Por;
																								Calc. commonly rims Pyrite	w/ .5-3mm Dk hbld laths (5-10%) found between
23	115			"			Md to Dk GY	60	"		1/2-1			3-5				.004						FeOx + Pyrite ± Calc & Qtz in veinlets	115'-120' - rest seem replaced by Pyrite + Calc ± Qtz &
																									Magnetite. 120-125 replaced by epidote(?) Md GRN patches.

LACANA MINING INC: PROPERTY Gilt Edge

Sheet 3 of 7
Drill Hole # RGE-12

no.	Footage	Drill Rec.	Walls	Wetness	Min.	Color Dry	Color Washed	Washed Rec. +12 M	Clay%	$CaCO_3$%	FeOx%	Vein Quartz	Silicification	Sulfide %	Rock Type	Geology	Assayed	SILVER VALLEY OPT Au	Ag	Au	Ag	Au	Ag	REMARKS:	
24	120			wet			Md to Dk GY	85	nil		tr.			1/2	DIORITE	DIORITE		.004							HORNBLENDE DIORITE PORPH (As Before)
																									feldspars hard to see - replaced by K-spar & qtz?
25	125			"			lt to Md GY	90	"		1/2			1-2	125' Shale	DEADWOOD FM. (€)		.004						125'	
																								125'-132' Magnetite	125'-147' DEADWOOD FM. (€)
26	130			"			Dk BRN	75	"		tr.			1-2				.226						as 2-3cm chips of completely Fe_3O_4	
																									intbdd; Dk BRN; Lt to Md GY-GRN Shale - dominately BRN Shale
27	135			"			Md BRN	65	"		1-2			tr.				.020							
28	140			"			Md ORG BRN	70	"		2-4			nil				.004							
29	145			"			Dk BRN	80	"		1/2			"				.004							
															147'									147'	
30	150			"			Md GY	90	"		1-2			2-3	DIORITE	DIORITE		.004						147-155 Pyrite mostly disseminated & some veinlets .1-1mm	147'-155' HORNBLENDE DIORITE PORPH.
																									Lt. GY; Fine GRN; intnsly silicified; holds unaltered plag? altered to clay in part.
31	155			"			lt GY-GRN to ORG-BRN	70	"		2-3			tr.	155' Shale	DEADWOOD FM (€)		.012						155'	
																									155'-167' DEADWOOD FM. Intbdd; Dk BRN & Lt GY to GRN GY Shale. Thinly bded.
32	160			"			lt GY-GRN to Dk BRN	75	"		1-2			nil				.026						150-172' FeOx in Fracs (.1-1mm) and diss. after FeS_2 in porph.	
33	165			"			lt GY-GRN to Dk BRN	75	"		1/2			"				.012							
															167'									167'	
34	170			"			lt GY-GRN	95	"		1/2			"	Trachyte	Trachyte		.006							167'-172' TRACHYTE
															172									172'	Lt. GY-GRN; Fn GRN. POR. w/ 5-10 "white" plag after Plag & 1cm K-spar
35	175			"			Md ORG BRN	85	1-2		3-5			tr.	Shale	DEADWOOD FM. (€)		.008						172'-191' FeOx along bdd. & provesive locally between 172-180. Also Frac fillings .1-3mm. Pyrite as open space(?) blebupto 1cm	172'-191' DEADWOOD FM.
																									172'-185' Intbdd Dk BRN & Lt GRN-GY (Bleached) Shale.
36	180			"			Dk ORG BRN	50	3-5		4-6			5-7				.018							