Hole No. B-43 5'2" ARCHIM MINING CORP.

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.005		200-205	tr		400-405			585-590		
5-10	.005		205-210	.005		405-410			590-595		
10-15	.005		210-215	.005		410-415			595-600		
15-20	.005		215-220	.005		415-420			600-605		
20-25	.015		220-225	tr		420-425			605-610		
25-30	.010		225-230	.005		425-430			610-615		
30-35	.010		230-235	.005		430-435			615-620		
35-40	.015		235-240	tr		435-440			620-625		
40-45	.010		240-245	.005		440-445			625-630		
45-50	.010		245-250	.010		445-450			630-635		
50-55	.005		250-255	.010		450-455			635-640		
55-60	.005		255-260	.005		455-460			640-645		
60-65	.007		260-265	.005		460-465			645-650		
65-70	.005		265-270	.005		465-470			650-655		
70-75	tr		270-275	tr		470-475			655-660		
75-80	tr		275-280	nf		475-480			660-665		
80-85	tr		280-285	nf		480-485			665-670		
85-90	tr		285-290			485-490			670-675		
90-95	tr		290-295			490-495			675-680		
95-100	.005		295-300			495-500			680-685		
100-105	tr		300-305			500-505			685-690		
105-110	tr		305-310			505-510			690-695		
110-115	tr		310-315			510-515			695-700		
115-120	.005		315-320			515-520					
120-125	tr		320-325			520-525					
125-130	tr		325-330			525-530					
130-135	.005		330-335			530-535					
135-140	nf		335-340			535-540					
140-145	tr		340-345			540-545					
145-150	tr		345-350			545-550					
150-155	.005		350-355			550-555					
155-160	.010		355-360			555-560					
160-165	.005		360-365			560-565					
165-170	.010		365-370			565-570					
170-175	.005		370-375			570-575					
175-180	.010		375-380			575-580					
180-185	.005		380-385			580-585					
185-190	.005		385-390								
190-195	.005		390-395								
195-200	.005		395-400								

ASSAYER T. Hoffman

Strawberry Hill Mining Co, Assay Divisio
Box 545, Deadwood, S.D. 57732

SHMC
9/8/87

BROHM MINING CORP
P.O. BOX 485
Deadwood, So. Dak

PAGE 1 OF ____

SAMPLE NUMBERS	ANALYSE FOR	TYPE	ASSAY	CHEM	REMARKS
B-41 0-5 thru 30-35	Au 1 Assay Ton	DC	✓		52 Samples → B-41
35-40					Sample Missing 9/8/87 R.J.M
40-45 thru 260-265					
B-43 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-45 0-5 thru 280-285					57 Samples 9/10/87 R.J.M
B-40 0-5 thru 595-600					120 Samples 9/9/87 T.M.
B-42 0-5 thru 360-365					73 Samples 9/12/87 T.M.M
B-44 0-5 thru 595-600					120 Samples 9/12/87 wet from 425-600 TMM
B-46 0-5 thru 330-335					67 Samples 9/13/87 dry TMM
B-48 0-5 thru 395-400					80 Samples 9/13/87 TMM
B-50 0-5 thru 340-345					69 Samples 9/15/87 TMM
B-52 0-5 thru 260-265					53 Samples 9/15/87 TMM
B-54 0-5 thru 595-600					120 Samples 9/17/87 345-600 wet TM
B-56 0-5 thru 510-515					103 Samples 9/17/87 345-515 TMM
B-55 0-5 thru 595-600					120 Samples 9/19/87 210-600 wet TMM
B-49 0-5 THRU 595-600		PULPS	✓		120 SAMPLES 9/21/87 (MET TEST SAMPLES)
B-59 0-5 thru 595-600		DC			120 SAMPLES 9/24/87 TMM
B-60 0-5 thru 480-485					97 SAMPLES 9/24/87 TMM
B-61 0-5 thru 560-565					113 Samples 9/25/87 TMM 111 wet 345-635
B-47 0-5 thru 10-15		Pulps			151 Samples 9/30/87 - pulps
25-30 thru 760-765					from Bender Clegg
B-51		Pulps			
B-53		Pulps			
					TOTAL SAMPLES

REJECTS SAVE ____ DISCARD ✓

PULPS SAVE ✓ DISCARD ____

R= rock
C= core
DC= drill cut.
S= soil
SS= stream seds.
W= water

SEND RESULTS TO ADDRESS ABOVE

GEOLOGIST T. J. MacLeod

Contractor: LANK
Coordinates:
Project:
Hole No.: B43
Drill Type: DRILTECH D40K (RC)
Casing Depth: 10'
State: SOUTH DAKOTA
Sheet 1 of 2
Hole Size: 5½"
Bearing: –
Inclination: 90°
Date Started: 9·8·87
Property: GILT EDGE
Collar Elev.:
Final Depth: 285'
Date Completed: 9·9·87
Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement)	TYPE
				0-5		Fill	Fill		
				10		Trp	5-37 TERT. PORPHORY - TRACHITE WH. YEL ORN	OXIDATION H	
OXIDE 20-25%				15					
				20					
				20-25					
				30					
				35					
				40		Edh	37-67 CAMBRIAN DEAD HORNFELS SLTST/SH GY	OXIDATION L	SULFIDE 1-3% fractured + disseminated
				45					
				45-50					
				55				Oxides TR	
				60			GY GRN ORN BRN	oxides L disseminated + fractured	
OXIDE 1-25% SULFIDE 1-5%				65			GRN GY BRN	Sulfides N	
				70			ORN GY GRN	oxidation H oxides N	
				70-75		Trp	67-115 TERT. PORPHORY - TRACHITE WH ORN YEL		
				80					
				85			GY WH ORN YEL		
				90				oxidation N	
				95					
				95-100					
				5					
				10					
				15			11'	Sulfides 1-2% of dense crystal	
				20		Edh	115-130 CAMBRIAN DEAD HORNFELS GY		
				120-125					
				30		Trp	130-133 TERT. PORPHORY. GY WH		
				35			133 180 CAMBRIAN DEAD HORNFELS GY		
				40					
				45					
SULFIDE TR-4%				145-150			GY GRN	sulfides TR-N rock fractured H	
				55					
				60					
				65				Rock fractured N	
				70				sulfides 2-5% crystal + fracture cut	
				170-175				quartz veinlets L	

DRILL CUTTING LOG

Logged by: CMFM

Newmont Exploration Ltd.

Sheet of

Hole No.

Logged by:

Newmont Exploration Ltd.

INTERVAL		Percent Recovery	ASSAYS Assay values shown as ppm unless noted otherwise									COMPOSITE ANALYSES Assay Values shown as ppm unless noted otherwise								ESTIMATES OF MINERALOGY Based on assay sample intervals						
From	To		Sample No.								Weighted Averages	Composite No.								Total Sulfide	py					oxidation
																				Vol. %	Vol. %	Vol. %	Vol. %	Vol. %	Vol. %	Vol. %

Contractor: LANG | Coordinates: | Project: | Hole No.: B43

Drill Type: DRILTECH D40K (RC) | Casing Depth: 10' | State: SOUTH DAKOTA | Sheet: 2 of 2

Hole Size: 5 1/2" | Bearing: – | Inclination: 90° | Date Started: 9-8-87 | Property: GILT EDGE

Collar Elev.: | Final Depth: 285' | Date Completed: 9-9-87 | Hole Surveyed:

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	GEOLOGIC NOTES: ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlitt, Replacement)	TYPE
				175-180					
				85		Cdq	180-207 CAMBRIAN DEAD QTZTE 6Y WH D WH-6Y	quartz veinlets N	
				90					
				95			D 6Y-6RN (Mnt)		
				195-200			6Y		
				5				sulfides, TR-disseminated: disseminated	
				10		Ttp	207-248 TERT. PORPHORY - TRACHITE 6Y WH		
				15					
				20				sulfides 1-4% fractures & crystals.	
				220-225					
				30					
				35					
				40					
				45					
				245 250		PC	248-EOH PRE-CAMBRIAN PLK		
				55				magnetite	
				60					
				65					
				70					
				270-275				quartz veinlets & magnetite N sulfides TR fractures.	
				80					
				280-285					
					EOH @ 285'				

DRILL CUTTING LOG

Logged by: CMFM

Newmont Exploration Ltd.

Sheet of

Hole No.

Logged by:

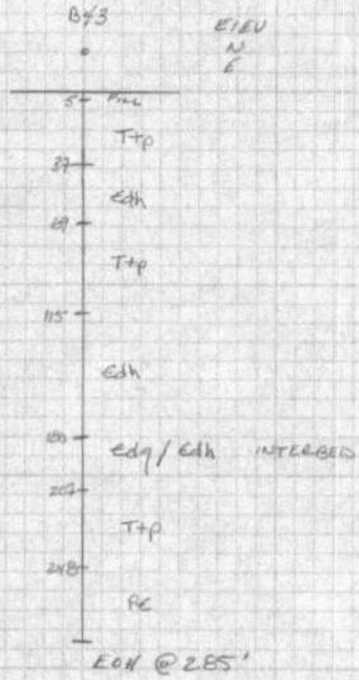
Newmont Exploration Ltd.

INTERVAL		Percent Recovery	ASSAYS Assay values shown as ppm unless noted otherwise										COMPOSITE ANALYSES Assay Values shown as ppm unless noted otherwise								ESTIMATES OF MINERALOGY Based on assay sample intervals						
From	To		Sample No.									Weighted Averages	Composite No.								Total Sulfide	py					oxidation
																					Vol. %	Vol. %	Vol. %	Vol. %	Vol. %	Vol. %	Vol. %

BY CMFM DATE 9.9.87 SUBJECT GILT EDGE B43 SHEET NO. 1 OF 1

CHKD. BY DATE GEOLOGIC SECTION JOB NO.

SCALE 1" = 100'



K+E QUANENE'S QUICK LINE 10 5741
10 X 10 TO THE INCH
KEUFFEL & ESSER CO.
MADE IN U.S.A.

GILT EDGE MINE EXPLORATION DEPARTMENT

DRILL HOLE 287 - 346 [redacted] ASSAY METHOD FIRE ASSAY LAB SHMC

N. 745772.0 E. 1127950.3 ELEV. 5548

AZ. — DIP 90 TD 285

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
0	5	FILL				OXIDE
5	10	20				
10	15					
15	20					
20	25					
25	30					
30	35	(37)				
35	40	15				
40	45					MIX
45	50					
50	55					
55	60					
60	65	(67)				
65	70	20				
70	75					OXIDE
75	80					
80	85					SULFIDE
85	90					
90	95					
95	100					
100	105					
105	110					
110	115					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
115	120	15				SULFIDE
120	125					
125	130					
130	135	20 (133)				
135	140	15				
140	145					
145	150					
150	155					
155	160					
160	165					
165	170					
170	175					
175	180					
180	185	14				
185	190					
190	195					
195	200					
200	205					
205	210					
210	215	20				
215	220					
220	225					
225	230					
230	235					
235	240					
240	245	(248)				
245	250	12				

to 285'

to 285'

Hole No. B-43

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.005		200-205	tr		400-405			585-590		
5-10	.005		205-210	.005		405-410			590-595		
10-15	.005		210-215	.005		410-415			595-600		
15-20	.005		215-220	.005		415-420			600-605		
20-25	.015		220-225	tr		420-425			605-610		
25-30	.010		225-230	.005		425-430			610-615		
30-35	.010		230-235	.005		430-435			615-620		
35-40	.015		235-240	tr		435-440			620-625		
40-45	.010		240-245	.005		440-445			625-630		
45-50	.010		245-250	.010		445-450			630-635		
50-55	.005		250-255	.010		450-455			635-640		
55-60	.005		255-260	.005		455-460			640-645		
60-65	.007		260-265	.005		460-465			645-650		
65-70	.005		265-270	.005		465-470			650-655		
70-75	tr		270-275	tr		470-475			655-660		
75-80	tr		275-280	nf		475-480			660-665		
80-85	tr		280-285	nf		480-485			665-670		
85-90	tr		285-290			485-490			670-675		
90-95	tr		290-295			490-495			675-680		
95-100	.005		295-300			495-500			680-685		
100-105	tr		300-305			500-505			685-690		
105-110	tr		305-310			505-510			690-695		
110-115	tr		310-315			510-515			695-700		
115-120	.005		315-320			515-520					
120-125	tr		320-325			520-525					
125-130	tr		325-330			525-530					
130-135	.005		330-335			530-535					
135-140	nf		335-340			535-540					
140-145	tr		340-345			540-545					
145-150	tr		345-350			545-550					
150-155	.005		350-355			550-555					
155-160	.010		355-360			555-560					
160-165	.005		360-365			560-565					
165-170	.010		365-370			565-570					
170-175	.005		370-375			570-575					
175-180	.010		375-380			575-580					
180-185	.005		380-385			580-585					
185-190	.005		385-390								
190-195	.005		390-395								
195-200	.005										

ASSAYER [illegible]

Strawberry Hill Mining Co, Assay Divisio

Contractor: LANG | Coordinates: | Project: | Hole No.: B-44

Drill Type: | Casing Depth: | State: | Sheet 1 of 4

Hole Size: 5½ | Bearing: — | Inclination: -90 | Date Started: 9/10/87 | Property: Gilt Edge

Collar Elev.: | Final Depth: 600' | Date Completed: 9/12/87 | Hole Surveyed:

9/10/87
12:30 Spud
rtary 10'
start to set
csg. hammer
failed
1:00 repair
hammer
2:00 - drilling

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement) / TYPE
				0-5		0 Fill	0-5 Fill	0-30 Oxide/sulfide mix
						5 Ttp	5-62 Ttp - fine grain phenos ½mm-1mm	(0-5) pervasive FeO, stain on chips
							(5-10) white matrix, weathered	(5-20) oxide stain on 20% of chips
							(10-40) pale yellow matrix	(20-30) pervasive FeO, stain orange to bright red
				20-25				30-160 Sulfide/oxide mix
								(30-40) oxides 4-5%, sulfides < ½%
							(40-62) matrix yellow/grey	(40-70) sulfides 1% diss. oxide 4-5% chip coating
				45-50				
						62 Edh	62-155 Edh	
				70-75			(70-95) gray/white mottled	(70-75) 50% of chips/orange oxide coating
							(95-125) dk green-gray & browns	(75-120) 5% " " " " "
								sulfide 2-3% diss, some vein filling
				95-100				
							(110-135) Lt. Grey	
				120-125				(120-125) Sulfide 4% Oxid coating 10% of chips
								(125-130) massive crystalline FeS2 present as cubes 1-2mm 7-8%
							(135-140) forest green mineral, crushes w/ fingernail 5% of sample	(130-160) Sulfide 1-2% Oxide Nil-light
				145-150			(140-155) grays/brown hornfel	
						155 Ttp	155-170 Ttp ? lt. grey, much "green alt" and white clays	160- Sulfide 1-2% diss./vein filling
				170-175		170 Edh	170- Edh dk greys + brown	

DRILL CUTTING LOG

Logged by:

Cond. hole

Contractor: Lang | Coordinates: | Project: | Hole No.: B-44

Drill Type: | Casing Depth: | State: | Sheet 2 of 4

Hole Size: 5½ | Bearing: — | Inclination: -90° | Date Started: 9/10/87 | Property: Gilt Edge

Collar Elev.: | Final Depth: 600' | Date Completed: 9/12/87 | Hole Surveyed:

DRILL CUTTING LOG

Logged by:

GRAPHIC LOGS: DISTANCE (feet)	ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL % SULFIDES (vol %)	ROCK TYPE & STRUCTURE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement) / TYPE
				175-180		Edh	170- Edh (cont.)	160-250 Sulfide (Cont.)
							(170-175) dk gray / dk brow 50/50	1-2% vein filling / some diss
							(175-185) dk brown	
							(185-190) mix gray / brown	(190-200) sulfide increasing
				200			(190-195) dk brown / dk green } magnetic	4-6% as vein filling
							(195-200) dk green to black }	(200-210) 1% sulfide / diss.
							(200-210) dk gray / dk brown	(210-218) 6-7% sulfide vein filling
							(210-218) black w/ sulfide possibly Paleosol	(218-250) 1% diss. sulfide
						218 Ttp	magnetic	
				220 225			218-239 Ttp	
							grayish / yellow matrix, phenos 1-3mm white	
						239 Edh	239-290 Edh	
				245-250			(239-285) mottled gray with white, irregular fracture	250-275 Sulfide / Oxide Mix
								(250-275) 1% of chips have orange oxidation, appears to be aggregate 1% diss. sulfides
				270-275				
								275- Sulfide <1% diss
							(285-290) gray / brown hornfel w/ even fracture	
						290 Edg	290-298) Quartzite	
				295-300				(295-300) 2-3% sulfides diss. and as aggregates of crystals, largest 1 cm in diameter
						298 Edh	298-332 Edh Hornfels	
							(298-) Edg hornfels mixed w/ mafic rocks ~5% mafic	(300-320) 1% primarily diss., some vein filling - minor
				320-325				(320-325) FeS_2 crystals in addition to diss. ~1% crystals ~1% diss.
						332 pE	332- pE	(325- 1% diss.
				345-350				