Contractor: Lang | Coordinates: | Project: | Hole No.: B-40

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

Hole Size: 5 1/2 | Bearing: N45W Inclination: -60 | Date Started: 9/8/87 | Property: Gilt Edge

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

DRILL CUTTING LOG

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	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement) / TYPE
				175-180		Edh	127-245 E Deadwood hornfels (cont.)	55-58? Sulphides (cont.)
							(175-195) Lt. Gray hornfelts w/ prominent disc	(175-195) 10-15%
							FeS_2	
							(195-210) dk gray to dk brown hornfels	(195-210) ~5-6% Sulphide as vien fillings
				195-200				(210-305) 2-3% diss. sulfides
							(210-228) med gray - brown	
				220-225				
							(228-245) dark gray - dark green increasing clays/wdt.	
				245-250		245 Tonty	245- Dakota Mud Tuff, Por. phenos 1-2 mm	
							(250-265) small % of lt. green alteration	
							(265-272) increas in lt. green alteration 8-10%	
				270-275				
							(280-) matrix has yellow tint, instead of gray	
				295-300			(305-310) marked increase in alteration 10-15% lt. to mid green	(305-310) 7-8% Sulphide/diss.
							(310-320) alteration N.I.	
				320-325			(320-325) increase in alteration 25-30% dark green to black, waxy	
				345-350				

Logged by:

GILT EDGE MINE EXPLORATION DEPARTMENT

DRILL HOLE # RB7-345 [redacted] ASSAY METHOD FIRE ASSAY LAB SMC

N. 745764.0 E. 1127657.5 ELEV. 5611.0

AZ. — DIP 90 TD 365

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
0	5	FILL				OXIDE
5	10	15				
10	15					
15	20					
20	25					
25	30					
30	35					
35	40					
40	45					MIX
45	50					
50	55					
55	60					
60	65					
65	70					SULFIDE
70	75					
75	80					
80	85					
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					
135	140					
140	145					
145	150					
150	155					
155	160					
160	165					
165	170					
170	175					
175	180					
180	185					
185	190					
190	195					
195	200					
200	205					
205	210					
210	215					
215	220					
220	225					
225	230	14				
230	235	(236)				
235	240	20				
240	245					
245	250					

FROM	TO	RCK CD	OZ/T AU	OZ/T AU CK	OZ/T AG	ORE TYPE
250	255	20				SULFIDE
255	260					
260	265					
265	270	30				
270	275					
275	280	15				
280	285					
285	290					
290	295					
295	300					
300	305	14				
305	310					
310	315	(317)				
315	320	12				
320	325					
325	330					
330	335					
335	340					
340	345					
345	350					
350	355					
355	360					
360	365					
365	370					
370	375					
375	380					

Hole No. 3-42 [illegible] [illegible] MINING [illegible]

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.010		200-205	.015		400-405			585-590		
5-10	.010		205-210	.010		405-410			590-595		
0-15	.007		210-215	.015		410-415			595-600		
15-20	.005		215-220	.010		415-420			600-605		
20-25	.010		220-225	.040		420-425			605-610		
25-30	.010		225-230	.010		425-430			610-615		
30-35	.010		230-235	.025		430-435			615-620		
35-40	.010		235-240	.020		435-440			620-625		
40-45	.010		240-245	.050		440-445			625-630		
45-50	.010		245-250	.10		445-450			630-635		
50-55	tr		250-255	.140		450-455			635-640		
55-60	.010		255-260	.025		455-460			640-645		
60-65	.050		260-265	.010		460-465			645-650		
65-70	.10		265-270	.010		465-470			650-655		
70-75	.020		270-275	.005		470-475			655-660		
75-80	.020		275-280	.015		475-480			660-665		
80-85	.010		280-285	.015		480-485			665-670		
85-90	.005		285-290	.010		485-490			670-675		
90-95	.005		290-295	.015		490-495			675-680		
5-100	.010		295-300	.015		495-500			680-685		
100-105	.020		300-305	.005		500-505			685-690		
105-110	.005		305-310	.015		505-510			690-695		
110-115	.010		310-315	.010		510-515			695-700		
115-120	.010		315-320	.010		515-520					
120-125	.010		320-325	.005		520-525					
125-130	.020		325-330	.010		525-530					
130-135	.015		330-335	.015		530-535					
135-140	.015		335-340	.010		535-540					
140-145	.025		340-345	.015		540-545					
145-150	.040		345-350	.020		545-550					
150-155	.010		350-355	.030		550-555					
155-160	.005		355-360	.010		555-560					
160-165	tr		360-365	.005		560-565					
165-170	tr		365-370			565-570					
170-175	.005		370-375			570-575					
175-180	.005		375-380			575-580					
0-185	.010		380-385			580-585					
185-190	.010		385-390								
190-195	.005		390-395								
195-200	.010		395-400								

ASSAYER [signature]

Strawberry Hill Mining Co, Assay Divisio

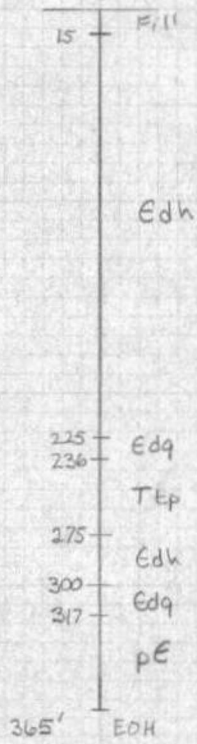
[illegible] 645, Deadwood, S D [illegible]

BY TMM DATE 9/10/87 SUBJECT Gilt Edge B-42 SHEET NO. 1 OF 1

CHKD. BY ..... DATE ..... Geologic Section JOB NO. .....

Drilled 9/9-9/10/87 Total Depth 365

B-42



Scale 1" = 100'

Hole No. B-42 73 BROHM MINING CORP

Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag	Sample No	Au	Ag
0-5	.010		200-205	.015		400-405			585-590		
5-10	.010		205-210	.010		405-410			590-595		
10-15	.007		210-215	.015		410-415			595-600		
15-20	.005		215-220	.010		415-420			600-605		
20-25	.010		220-225	.040		420-425			605-610		
25-30	.010		225-230	.010		425-430			610-615		
30-35	.010		230-235	.025		430-435			615-620		
35-40	.010		235-240	.020		435-440			620-625		
40-45	.010		240-245	.050		440-445			625-630		
45-50	.010		245-250	.10		445-450			630-635		
50-55	tr		250-255	.140		450-455			635-640		
55-60	.010		255-260	.025		455-460			640-645		
60-65	.050		260-265	.010		460-465			645-650		
65-70	.10		265-270	.010		465-470			650-655		
70-75	.020		270-275	.005		470-475			655-660		
75-80	.020		275-280	.015		475-480			660-665		
80-85	.010		280-285	.015		480-485			665-670		
85-90	.005		285-290	.010		485-490			670-675		
90-95	.005		290-295	.015		490-495			675-680		
95-100	.010		295-300	.015		495-500			680-685		
100-105	.020		300-305	.005		500-505			685-690		
105-110	.005		305-310	.015		505-510			690-695		
110-115	.010		310-315	.010		510-515			695-700		
115-120	.010		315-320	.010		515-520					
120-125	.010		320-325	.005		520-525					
125-130	.020		325-330	.010		525-530					
130-135	.015		330-335	.015		530-535					
135-140	.015		335-340	.010		535-540					
140-145	.025		340-345	.015		540-545					
145-150	.040		345-350	.020		545-550					
150-155	.010		350-355	.030		550-555					
155-160	.005		355-360	.010		555-560					
160-165	tr		360-365	.005		560-565					
165-170	tr		365-370			565-570					
170-175	.005		370-375			570-575					
175-180	.005		375-380			575-580					
180-185	.010		380-385			580-585					
185-190	.010		385-390								
190-195	.005		390-395								
195-200	.010		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 9/17/87 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 1/4 wet 345-639
B-47 0-5 thru 10-15		Pulps			151 Samples 9/30/87 - pulps
25-30 thru 760-765					from Bonder 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: Lang | Coordinates: | Project: | Hole No. B-42

Drill Type: | Casing Depth: | State: | Sheet 1 of 3

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

Collar Elev.: | Final Depth: 365 | Date Completed: 9/10/87 | 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
~5:00 P.M. 9/9/87				0-15		Fill		0-40 Oxid – pervasive coating/orange
						15 Edh	15 - Edh lt-med gray hornfels	
				20-25				
								40-65 Oxide/Sulphide Mix (40-45) 90% oxide coating (45-55) 50% " " (55-60) 95% " " (60-65) 30% " " < 1% sulphide d.ss
				45-50				
								65-[illegible] Sulphide ½% vein filling/d.ss.
				70-75			(75-95) dark gray w/green tint	
				95-100			(95-100) dark gray w/ dark browns (100-110) lt. gray (110-[illegible]) slightly darker gray w/Mod. dk brown	(95-135) 1-2% vein filling/minor diss
				120-125				
								(125-155) 3-4% vein filling/diss and as aggregate (one chip 5mm x 3mm x 2mm) (155-195) 1% sulphide
				145-150				
				170-175				

DRILL CUTTING LOG

Logged by:

73 sample bags
0.5 → 360-365

Contractor: LANG	Coordinates:	Project:	Hole No.: B-42
Drill Type:	Casing Depth:	State:	Sheet 2 of 3
Hole Size: 5½	Bearing: — Inclination: −90°	Date Started: 9/9/87	Property: Gilt Edge
Collar Elev.:	Final Depth: 365	Date Completed:	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	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinfill, Replacement) / TYPE
				175-180		Edh	15-225 Edh Cambrian Deadwood Hornfels (cont)	
							(175-190) lt. gray hornfel	
							(190-195) increase in browns	
200				195-200			(195-220) dk gray	(195-226) 3-4% sulfides vein filling, diss., aggregate
							(220	
							(220-225) dk. gray w/ green alt	
225				220-225				
						225 Edq	225-236 Edq Cambrian Deadwood Quartzite	(226-260) 1% sulfides, mostly diss.
						236 Ttp	236- Ttp	
							* (236-241) porph. w/ .5mm-1mm phenos, yellowish matrix, phenos spaced.	
250				245-250			(241-255) gray matrix, phenos hard to identify and closely spaced. Poss. hornfel reentered?	
							(255-260) yellowish porph.	
						265 Tqtp	* (260-265) poss. quartzite	(265-270) 3%
275				270-275			265-275 Tqtp Quartz Trach. Porph	
						275 Edh	fine grain, occasional quartz phenos	
							275-300 Edh Deadwood hornfels	(280-300) 1%
							grays & browns, very siliceous	
300				295-300			300-317 Edq Deadwood quartzite	(300-End) 2-3%
						300 Edq		
						317 PE	317 pE	
325				320-325			(317-325) mafic, fine grained	
							(325-355) gray, micaceous, possibly phillite	
							med-green, possibly chlorite	
				345-350				

DRILL CUTTING LOG

Logged by:

Contractor: Long | Coordinates: | Project: | Hole No.: B-42

Drill Type: | Casing Depth: | State: | Sheet 3 of 3

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

Collar Elev.: | Final Depth: 365 | Date Completed: 9/10/87 | 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, Veinlill, Replacement)	TYPE
				350-355					
							(355-EOH) mafic, pass. paleosol	(350-355) massive crystaline FeS2 (one chip 1cm x .5cm	
				360-365		EOH	EOH		
				~1130 9/10/87					
							5 bags Quik Gel		
							2 bags Cement		

DRILL CUTTING LOG

Logged by: