Contractor: Blattner | Coordinates: 45,414.91N . 27,439.77E | Project: Sunday Pit Development | Hole No.: R91-850

Drill Type: D40K - conventional | Casing Depth: | State: SD | Sheet 1 of 1

Hole Size: 6 1/2" | Bearing: — | Inclination: -90° | Date Started: 12-13-91 | Property:

Collar Elev.: 5510.63 | Final Depth: 70' | Date Completed: 12-13-91 | Hole Surveyed:

Distance (feet)	Alteration (Weak / Moderate / Strong)	Total Sulfides (vol %)	Rock Code	Ore Code	Down Hole Location: Distance Down Hole (feet)	Down Hole Location: Elevation	Rock Type	Description: Mineralogy, Alteration, Textures, Grain Size, Fragment Size	Mineralization: Distribution, Type, Massive, Disseminated, Veinlet, Replacement	Assay: Au	Assay: Ag
			60	3	0-5	Oxide	TP	0-70 Trachyte Porphyry, m.g., mod. orange-brown Fe ox stained	0-70 Oxide (No visible sulfides)	.034	
										.008	
										.005	
										.005	
				2	20-25				20-30 Mix, tr-1% f.g. dissm. pyrite	.004	
										.003	
				3					30-70 Oxide	.025	
										.009	
										.007	
					45-50					.045	45-70 @ .035
										.034	
										.036	
										.025	
								Hole TD @ 70'		.040	
					70-75						

DRILL CUTTING LOG

Logged by: S. Ringhoffer

Contractor: Blattner | Coordinates: 45,367.31N 27,486.64E | Project: Sunday Pit Development | Hole No.: R91-851

Drill Type: DADK-conventional | Casing Depth: | State: SD | Sheet 1 of 1

Hole Size: 6½" | Bearing: – | Inclination: -90° | Date Started: 12-13-91 | Property: Gilt Edge

Collar Elev.: 5504.33 | Final Depth: 70' | Date Completed: 12-13-91 | Hole Surveyed:

Distance (feet)	Alteration (Weak, Moderate, Strong)	Total Sulfides (vol %)	Rock Code	Ore Code	Down Hole Location: Distance Down Hole (feet)	Down Hole Location: Elevation	Rock Type	Description: Mineralogy, Alteration, Textures, Grain Size, Fragment Size	Mineralization: Distribution (Massive, Disseminated, Veinlet, Replacement)	Mineralization: Type	Assay: Au	Assay: Ag
			60	3	0-5		Ttp	0-70 Trachyte Porphyry, m.g. orange-brown FeOx stained	0-70 Oxide (no visible sulfide)		.013	
								(0-50) weak maroon FeOx			.004	
								(5-70) mod.-st. orange-brown FeOx			.003	
					70-75						.005	NSA
											.005	
											.003	
											.009	
											.014	
											.004	
					45-50						.016	
											.004	
											.005	
											.004	
								Hole TD @ 70'			.003	
					70-75							

DRILL CUTTING LOG

Logged by: S. Ringhoff

Contractor: Blattner | Coordinates: 45,299.87N 27,524.27E | Project: Sunday Pit Development | Hole No.: R91-85Z

Drill Type: D40K-conventional | Casing Depth: | State: SD | Sheet 1 of 1

Hole Size: 6½" | Bearing: – | Inclination: -90° | Date Started: 12-13-91 | Property: Gilt Edge

Collar Elev.: 5496.53 | Final Depth: 70' | Date Completed: 12-13-91 | Hole Surveyed:

Distance (feet)	Graphic Logs: Alteration (1 Weak, 2 Moderate, 3 Strong)	Total Sulfides (vol %)	Rock Code	Ore Code	Down Hole Location: Distance Down Hole (feet)	Elevation	Rock Type	Geologic Notes: Description (Mineralogy, Alteration, Textures, Grain Size, Fragment Size)	Mineralization: Distribution (Massive, Disseminated, Veining, Replacement) / Type	Assay: Au	Ag
			00	3	0-5		Ttp	0-70 Trachyte Porphyry m.g.; tan & orange-brown FeOx stained (0-10) in pak maroon FeOx	0-70 Oxide (no visible sulfides)	.010	
										.006	
										.006	
										.069	
					20-25					.078	
										.040	15-70 @ .080
										.028	
										.037	
										.081	
					45-50			(45-70) st. orange-brown FeOx & mod. clay.		.137	
										.059	
										.081	
										.231	
								Hole TD @ 70'		.035	
					70-75						

DRILL CUTTING LOG

Logged by: S. Ringhoffer

Contractor: Blattner | Coordinates: 45,362.39N 27,586.59E | Project: Sunday Pit Development | Hole No.: R91-853

Drill Type: D40K-conventional | Casing Depth: | State: SD | Sheet 1 of 1

Hole Size: 6½" | Bearing: – | Inclination: –90° | Date Started: 12-13-91 | Property: Gilt Edge

Collar Elev.: 5522.53 | Final Depth: 70' | Date Completed: 12-13-91 | Hole Surveyed: –

Distance (feet)	Alteration (1 Weak, 2 Moderate, 3 Strong)	Total Sulfides (vol %)	Rock Code	Ore Code	Down Hole Location: Distance Down Hole (feet)	Down Hole Location: Elevation	Rock Type	Description: Mineralogy, Alteration, Textures, Grain Size, Fragment Size	Mineralization: Distribution (Massive, Disseminated, Veinlet, Replacement)	Mineralization: Type	Assay: Au	Assay: Ag
			603		0-5		Ttp	0-70 Trachyte porphyry, m.g., orange-brown FeOx stained, weak "bleaching" of phenos	0-60 Oxide (no visible sulfides)		.085	
											.070	
											.035	0-15
											.021	0
					20-25						.026	.04
											.037	
											.056	
								(35-55) st. orange-brown FeOx, tr. maroon FeOx			.049	
											.021	
					45-50						.016	
											.015	
											.012	
									60-70 Mix, tr-1% f.g. dissm. pyrite		.005	
											.003	
					70-75							

DRILL CUTTING LOG

Logged by: S. Ringhoffer

Contractor Blattner | Coordinates 45487.18N 27,515.54E | Project Sunday Pit Development | Hole No. R91-854

Drill Type D40K-conventional | Casing Depth | State SD | Sheet 1 of 1

Hole Size 6½" | Bearing — | Inclination -90° | Date Started 12-14-91 | Property Gilt Edge

Collar Elev. 5553.93 | Final Depth 75' | Date Completed 12-14-91 | Hole Surveyed

DISTANCE (feet)	GRAPHIC LOGS: ALTERATION (1 Weak, 2 Moderate, 3 Strong)	TOTAL SULFIDES (vol %)	ROCK CODE	ORE CODE	DOWN HOLE LOCATION: DISTANCE DOWN HOLE (feet)	ELEVATION	GEOLOGIC NOTES: ROCK TYPE	DESCRIPTION: MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE	MINERALIZATION: DISTRIBUTION Massive, Disseminated, Veinfill, Replacement / TYPE	ASSAY Au	ASSAY Ag
			60	2	0-5		TTP	0-70 Trachyte Porphyry, m.g.	0-5 Mix, tr. pyrite, mod.	.014	NSA
				1				cream & light grey, light "bleaching"	FeOx	.006	
								of phenos. 1-2% of frags	5-70 Sulfide, ~2%	.004	
								oxidized.	f.g. - m.g. dissm. pyrite,	.002	
					20-25				weak FeOx on 7%	.005	
									of frags	.001	
										.001	
										.001	
										.003	
					45-50					.001	
										.001	
										.001	
										.004	
								(65-75) 1-2% PE QMS frags ⇒ xenoliths		.006	
					70-75			Hole TD @ 75'		.005	

DRILL CUTTING LOG

Logged by: S. Ringhoffer

BROHM MINING CORPORATION
Gilt Edge Project

Pit-Bench-Pattern #
R91-850

Submittal Date
12/13/91

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

(4)

DATE: 12/16

NAME: 95

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	0-5		.034	25.	Standard ✓		
2.	5-10		.008	26.			
3.	10-15		.005	27.			
4.	15-20		.005	28.			
5.	20-25		.004	29.			
6.	25-30		.003	30.			
7.	30-35		.025	31.			
8.	Standard ✓		.015	32.			
9.	35-40		.009	33.			
10.	✓7		.027	34.			
11.	40-45-1		.007	35.			
12.	40-45-2		.008	36.			
13.	45-50		.045	37.			
14.	50-55		.034	38.			
15.	55-60		.036	39.			
16.				40.			
17.				41.			
18.	60-65		.025	42.	Standard ✓		
19.	65-70		.040	43.			
20.				44.			
21.				45.			
22.				46.			
23.				47.			
24.				48.			

BROHM MINING CORPORATION
Gilt Edge Project

Pit-Bench-Pattern #
R91-851

Submittal Date
12/13/91

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

(1)

DATE: 12/17

NAME: TS

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	0-5		.013	25.	Standard ✓		
2.	5-10		.004	26.			
3.	10-15		.003	27.			
4.	15-20		.005	28.			
5.	20-25		.005	29.			
6.	25-30		.003	30.			
7.	30-35		.009	31.			
8.	Standard ✓		.015	32.			
9.	35-40		.014	33.			
10.	~7		.028	34.			
11.	40-45-1		.005	35.			
12.	40-45-2		.004	36.			
13.	45-50		.016	37.			
14.	50-55		.004	38.			
15.	55-60		.005	39.			
16.				40.			
17.				41.			
18.	60-65		.004	42.	Standard ✓		
19.	65-70		.003	43.			
20.				44.			
21.				45.			
22.				46.			
23.				47.			
24.				48.			

BROHM MINING CORPORATION
Gilt Edge Project

Pit-Bench-Pattern #
R91-852

Submittal Date
12/13/91

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

(2)

DATE: 12/17

NAME: TS

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.				25.	Standard ✓		.015
2.				26.	25-30		.040
3.				27.	30-35		.028
4.				28.	35-40		.037
5.				29.	40-45		.081
6.				30.	45-50		.137
7.				31.	50-55		.059
8.	Standard ✓			32.	55-60		.081
9.				33.			
10.				34.			
11.				35.	60-65		.231
12.				36.	65-70		.035
13.				37.			
14.				38.			
15.				39.			
16.				40.			
17.				41.			
18.				42.	Standard ✓		
19.				43.			
20.	0-5		.010	44.			
21.	5-10		.006	45.			
22.	10-15		.006	46.			
23.	15-20		.069	47.			
24.	20-25		.078	48.			

BROHM MINING CORPORATION
Gilt Edge Project

Pit-Bench-Pattern #
R91-853

Submittal Date
12/13/91

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

3

DATE: 12/17

NAME: 95

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	0 - 5		.085	25.	Standard ✓		
2.	5 - 10		.070	26.			
3.	10 - 15		.035	27.			
4.	15 - 20		.021	28.			
5.	20 - 25		.026	29.			
6.	25 - 30		.037	30.			
7.	30 - 35		.056	31.			
8.	Standard ✓		.015	32.			
9.	35 - 40		.049	33.			
10.	✓ 7		.026	34.			
11.	40 - 45-1		.021	35.			
12.	40 - 45-2		.022	36.			
13.	45 - 50		.016	37.			
14.	50 - 55		.015	38.			
15.	55 - 60		.012	39.			
16.				40.			
17.				41.			
18.	60 - 65		.005	42.	Standard ✓		
19.	65 - 70		.003	43.			
20.				44.			
21.				45.			
22.				46.			
23.				47.			
24.				48.			

BROHM MINING CORPORATION
Gilt Edge Project

Pit-Bench-Pattern #
R91-854

Submittal Date
12/14/91

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

(4)

DATE: 12/17

NAME: KS

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.				25.	Standard ✓		.014
2.				26.	25-30		.001
3.				27.	30-35		.001
4.				28.	35-40		.001
5.				29.	40-45		.003
6.				30.	45-50		.001
7.				31.	50-55		.001
8.	Standard ✓			32.	55-60		.001
9.				33.			
10.				34.			
11.				35.	60-65		.004
12.				36.	65-70		.006
13.				37.	70-75		.005
14.				38.			
15.				39.			
16.				40.			
17.				41.			
18.				42.	Standard ✓		
19.				43.			
20.	0-5		.014	44.			
21.	5-10		.006	45.			
22.	10-15		.004	46.			
23.	15-20		.002	47.			
24.	20-25		.005	48.			

NORTHEAST SUNDAY PIT - RAMP HOLES

NORTHING	EASTING
45300	27524
45362	27586
45350	27478
45395	27524
45415	27440
45455	27426
45453	27478
45495	27524