Contractor: Hackworth | Coordinates: 47108.17 N 24899.78 E | Project: Anchor Hill Expl. | Hole No.: R92-869 (A-18)

Drill Type: CP-700 (Truck mounted) | Casing Depth: ~2' B.R.@ 2' | State: SD | Sheet 1 of 4

Hole Size: 5 1/2" | Bearing: S45E | Inclination: -50 | Date Started: 10/11/92 ~ 6:20 AM | Property: Gilt Edge

Collar Elev.: 5576.25' | Final Depth: 540' | Date Completed: 7/14/92 7:20 AM | Hole Surveyed: No (collar only)

Distance (feet)	Graphic Logs: Alteration (Weak / Strong)	Total Sulphides (vol %)	Rock Code	Ore Code	Down Hole Location: Distance Down Hole (feet)	% sulphides	Rock Type	Geologic Notes: Description (Mineralogy, Alteration, Textures, Grain Size, Fragment Size)	Mineralization: Distribution (Massive, Disseminated, Veinlet, Replacement)	Type	Assay: Au	Ag
			85	3	0-5	NIL	TQTP	0-290 QUARTZ TRACHYTE PORP.	0-290 OXIDE	No. Vis-Sulph.		
								0-20 Lt. grn gray groundmass - Weak arg alt. pink sanidine, chalk white perthite	(0-20) Weak org brn FeOx perv. stain in 15-40% of chips			
					20-25			(20-30) tan to Lt Brn groundmass prop. to arg. alt. chalk white perthite	(20-30) Lt to med org brn FeOx perv. in 85-95% of chips			
								(30-170) Bleached v. Light gray where chips not stnd by FeOx Serc. to Pot.? alt.	(30-60) Mix of Lt to dk org and Red brn FeOx perv. in 50-95% of chips			
					45-50							
									(60-125) Med org brn FeOx perv. in 85 to 100% of chips; tr dk Red brn FeOx			
					70-75							
					95-100							
					120-125							
								(125-165) mod. maroon FeOx, weak "bleaching"				
								(140-145) tr. fAmb. Qtzite frags.				
					145-150							
								(165-240) mod. org. brown. FeOx				
					170-175			(170-220) tr-1% pE Qms & chert frags)				

DRILL CUTTING LOG

Logged by: R.J. Maxlead / S. Ringhoffer

7/10/92

4:50 PM. ON SITE & BEARING SET
DECIDED TO SET CASING IN A.M.

7/11/92

6:20 DRILLING TO SET CASING
DRILLED TOP 20' W/O CASING
Solid Bed Rock @ ~ 2'

7/13/92 8:55 AM, stop drilling temp. to check (call) on rig CFM output.

7/14/92 Hole TD'd @ 540' in QMS

Contractor _____ Coordinates _____ Project _____ Hole No. R92-869

Drill Type _____ Casing Depth _____ State _____ Sheet 2 of 4

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ 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)	%	Sulphides	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlet, Replacement)	TYPE	ASSAY Au	ASSAY Ag
			85	3	175-180	Oxide		Tgtp	Quartz trachyte con't	Oxide (con't)			
					195-200								
					220-225								
									(240-250) weak to mod. maroon FeOx				
					245-250								
									(260-270) As in 240-250 but w/ mod. "bleaching"				
					270-275								
									(275-290) tr. pE QMS frags.				
				30	2		tr.	Edh	290-425 Cambr. Deadwood Hornfels, v.f.g.	290-335 Mix, tr. f.g. fract.			
					295-300		1-2		dk. greyish green to tan, 2-3% Tgtp frags	face coating pyrite, 1-2%			
									(290-295)	(295-320)			
									(310-315) mod. orange-brw. FeOx on fracts.				
					320-325								
					1		2%			335-350 Sulphide, tr. FeOx			
										w/ ~2% f.g. vnlt. & fract.			
					345-350					filling pyrite			

DRILL CUTTING LOG

Logged by: _____

Contractor _____ Coordinates _____ Project _____ Hole No. R92-869

Drill Type _____ Casing Depth _____ State _____ Sheet 3 of 4

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth _____ Date Completed _____ Hole Surveyed _____

Distance (feet)	Graphic Logs: Alteration	Total Sulfides (vol %)	Rock Code	Ore Code	Down Hole Location: Distance Down Hole (feet)	% Sulphides	Rock Type	Description: Mineralogy, Alteration, Textures, Grain Size, Fragment Size	Mineralization: Distribution (Massive, Disseminated, Veinlet, Replacement) / Type	Assay: Au	Assay: Ag
			30	2	350-355	tr-1	Edh	Camb. Deadwood hornfels con't	350-385 Mix, tr-1% pyrite, mostly veins.		
					370-375						
				2		1~2%			385-395 Sulphide? Nill-weak FeOx, 1-2% pyrite MAX.		
				2	395-400	tr-1		tr. H2O @ 400'	395-410 Mix, tr-1% f.g. dissm. pyrite		
				2		2			410-420 Sulphide ~2% pyrite, Nill FeOx		
				2	420-425	2 tr			420-430 Mix. tr. pyrite, WEAK FeOx		
			50	3		tr Oxide	Thtp	425-490 Hornblende ?? Trachyte porph. highly fract., mod. FeOx, tr relic laths?	430-515 Oxide (No visible sulphides)		
			40		445-450		Edq	440-465 Camb. Deadwood Quartzite m.g. highly fract. extreme FeOx (hematite) from (440-445). Strong FeOx mostly on fracts throughout			
			10		470-475		PE:	465-540 PE, Qtz. Mica Schist, highly fractured, mod.-strong FeOx			
					495-500						
				2		tr		(515-520) st. reddish-maroon FeOx => strong. fract. zone.	515-540 Mix, tr. pyrite, very weak FeOx.		
				1	520-525	1					

DRILL CUTTING LOG

Logged by: _____

Contractor _____ Coordinates _____ Project _____ Hole No. R92-869

Drill Type _____ Casing Depth _____ State _____ Sheet 4 of 4

Hole Size _____ Bearing _____ Inclination _____ Date Started _____ Property _____

Collar Elev. _____ Final Depth 540 Date Completed _____ 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)	% Sulphides	ROCK TYPE	GEOLOGIC NOTES: DESCRIPTION (MINERALOGY, ALTERATION, TEXTURES, GRAIN SIZE, FRAGMENT SIZE)	MINERALIZATION: DISTRIBUTION (Massive, Disseminated, Veinlet, Replacement)	TYPE	ASSAY: Au	Ag
			10	2	525-530	tr.	PE	(PE QMS CON'T)	(MIX CON'T)			
			↓	↓		↓	↓	Hole TD @ 540'				
					545-550							
					570-575							
					595-600							
					620-625							
					645-650							
					670-675							
					695-700							

DRILL CUTTING LOG

Logged by:

R92-869

GILT EDGE MINE
ASSAY REPORT

DATE: 7/29/92

	SAMPLE #	INQUART	PULP WT.	DORE WT. (mg)	AU WT. (mg)	AU OZ/TON	AG OZ/TON	REMARKS
1	0/5	2.5	1.0	2.50	.030	—	.08	
2	5/10			2.46	.009		.06	
3	10/15			2.39	NIL		NIL	
4	15/20			2.42	.010		.02	15 - 45
5	20/25			2.39	.001		NIL	30' @ .011
6	25/30 ①			2.48	.012	.011	.08	
7	30/35			2.44	.014		.04	
8	35/40			2.52	.019		.11	
9	40/45			2.44	.010		.04	
10	45/50			2.43	.006		.03	
11	50/55			2.55	NIL		.16	
12	25/30 ②			2.48	.013		.08	
13	Blank			2.39	—			
14	55/60			2.53	NIL		.14	
15	60/65			2.53	.003		.14	
16	65/70			2.54	.005		.14	
17	70/75			2.53	.003		.14	
18	75/80			2.44	NIL		.05	
19	80/85			2.43	.039		.001	80 - 190
20	85/90			2.59	.020		.18	110' @
21	90/95			2.45	.014	.001	.05	
22	95/100			2.52	.020		.11	
23	100/105			2.55	NIL		.16	
24	105/110			2.57	.050		.13	

R92-869

BROHM MINING CORPORATION
GILT EDGE MINE
ASSAY REPORT

SHEET NO.: _____

DATE: 7/29/92

	SAMPLE #	INQUART	PULP WT.	DORE WT. (mg)	AU WT. (mg)	AU OZ/TON	AG OZ/TON	REMARKS
1	110/115	2.5	1.0	2.51	.021		.11	
2	115/120			2.53	.024		.13	
3	120/125			2.53	.031		.12	
4	125/130			2.50	.042		.08	
5	130/135			2.52	.027		.11	
6	135/140 ①			2.53	.032	$\bar{x}$ = .032	.12	
7	140/145			2.49	.021		.09	
8	145/150			2.51	.025		.10	
9	150/155			2.48	.019		.08	
10	155/160			2.48	.022		.08	
11	160/165			2.47	.017		.07	
12	135/140 ②			2.53	~~.032~~		.12	
13	BLANK			2.38	—			
14	165/170			2.55	.051		.12	
15	170/175			2.51	.048		.08	
16	175/180			2.51	.036		.09	
17	180/185			2.46	.029		.05	
18	185/190			2.48	.021		.08	
19	190/195			2.45	.019		.05	190-205
20	195/200			2.42	.014		.03	15' @ .015
21	200/205			2.39	.012		NIL	
22								
23								
24								

R92-869

GILT EDGE MINE
ASSAY REPORT

DATE: 7/29/92

	SAMPLE #	INQUART	PULP WT.	DORE WT. (mg)	AU WT. (mg)	AU OZ/TON	AG OZ/TON	REMARKS
1	205/210	2.5	1.0	2.38	.002		.01	
2	210/215			2.40	.003		.03	
3	215/220			2.43	.002		.06	
4	220/225			2.51	.016		.12	220-230
5	225/230			2.50	.019		.11	10' @ .018
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

DATE: 7/30/92

	SAMPLE #	INSQUART	PULP WT.	DORE WT. (kg)	AU WT. (kg)	AU OZ/TON	AG OZ/TON	REMARKS
1	230/235	2.5	1.0	2.59	.090		.09	R92-869
2	235/240			2.56	.027		.08	230-320
3	240/245			2.58	.032		.14	90'@
4	245/250			2.66	.029		.22	
5	250/255			2.91	.030		.47	
6	255/260 ①			2.80	.022	$\bar{X}$ = .022	.37	
7	260/265			2.48	.030		.04	
8	265/270			2.64	.020		.21	
9	270/275			2.94	.013		.52	
10	275/280			2.63	.034		.19	
11	280/285			2.72	.039		.27	
12	255/260 ②			2.83	.023		.40	
13	BLANK			2.41	—			
14	285/290			2.77	.029		.33	
15	290/295			2.55	.030		.11	
16	295/300			2.65	.034		.21	
17	300/305			2.84	.019		.41	
18	305/310			2.56	.017		.13	
19	380/385	2.5	1.0	2.53	.030		.09	R92-865
20	385/390			2.50	.028		.06	
21	390/395			2.48	.012		.06	
22	395/400			2.60	.073		.12	
23	400/405			2.43	.018		.002	
24	405/410			2.48	.015		.06	

R92-869

BROWN MINING CORPORATION
GILT EDGE MINE
ASSAY REPORT

SHEET NO.: _____

DATE: 7/31/92

	SAMPLE #	INQUART	PULP WT.	DORE WT.(mg)	AU WT. (mg)	AU OZ/TON	AG OZ/TON	REMARKS
1	310/315	2.5	1.0	2.67	.031		.25	
2	315/320			2.86	.026		.44	
3	320/325			2.50	.018		.09	320 - 330
4	325/330			2.36	.010		NIL	10' @ .014
5	330/335			2.34	.003		NIL	
6	335/340 ①			2.39	.001		NIL	
7	340/345			2.44	.066		NIL	
8	345/350			2.53	.015		.12	340-355 15' @ .038
9	350/355			2.66	.032		.24	
10	355/360			2.39	NIL		NIL	
11	360/365			2.39	NIL		NIL	
12	335/340 ②			2.39	.002		NIL	
13	BLANK			2.39	—			
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

BROHM MINING CORPORATION
GILT EDGE MINE
ASSAY REPORT

R92-869

SHEET NO.:

DATE: 8/4/92

	SAMPLE #	INQUART	PULP WT	DORE WT (mg)	AU WT. (mg)	AU OZ/TON	AG OZ/TON	REMARKS
1	365/370	2.5	0	[illegible]	.027		.12	
2	370/375			[illegible]	.009		.12	
3	375/380			[illegible]	[illegible]		.07	
4	380/385			[illegible]	[illegible]		.09	
5	385/390			[illegible]	[illegible]		NIL	
6	390/395 ①			[illegible]	[illegible]	$\bar{X}$ = .090	.06	
7	395/400			[illegible]	[illegible]		.03	
8	400/405			[illegible]	[illegible]		.06	395-410 15@ .013
9	405/410			[illegible]	[illegible]		.15	
10	410/415			[illegible]	[illegible]		NIL	
11	415/420			[illegible]	[illegible]		.07	
12	390/395 ②			[illegible]	[illegible]		.07	
13	Blank			[illegible]				
14	420/425			[illegible]	[illegible]		.08	
15	425/430			[illegible]	[illegible]	AU/.105	.01	
16	430/435			[illegible]	[illegible]		.10	
17	435/440			[illegible]	[illegible]		.22	
18	440/445				[illegible]		.62	
19	445/450			[illegible]			.32	
20	450/455			[illegible]	[illegible]		.19	
21	455/460			[illegible]	[illegible]		.13	
22	460/465			[illegible]	.012		.03	
23	465/470			[illegible]	[illegible]		NIL	
24	470/475			2.38			NIL	

R92-869

BROOK MINING CORPORATION
GILT EDGE MINE
ASSAY REPORT

SHEET NO.: _____

DATE: 8/3/92

	SAMPLE #	INQUART	PULP WT.	DORE WT. (mg)	AU WT. (mg)	AU OZ/TON	AG OZ/TON	REMARKS
1	475/480	25	1.0	2.44	024		.06	
2	480/485			2.45	019		.07	475-495 20'@
3	485/490			2.42	003		.06	
4	490/495			2.49	040		.09	
5	495/500			2.41	.007		.04	
6	500/505 @			2.38	016	$\bar{x}$ = .016	.004	495-515
7	505/510			2.42	012		.05	20'@ .012
8	510/515			2.42	015		.04	
9	515/520			2.48	036		.08	515-520 5'@
10	520/525			2.45	012	—	.07	520-525 5'@
11	525/530			2.37	N/A		.01	
12	500/505 @			2.38	017		.003	
13	[illegible]			2.36	—			
14	[illegible]20/535			2.41	008		.04	
15	[illegible]/540			2.42	006		.06	
16								
17								
18								
19								
20								
21								
22								
23								
24								

ANCHOR HILL

01-27-92

(73)

		EXP.			H.I.
T@ 242					4.39
BS. 810	321.28-35				
R-92-869	47108.166		24899.781	5576.247	