BROHM MINING CORPORATION
BLAST HOLE ORE TYPE

PATTERN 5-16-13

DATE 11-27-90

NO.	SULF.	MIX	OXIDE	NO.	SULF.	MIX	OXIDE	NO.	SULF.	MIX	OXIDE	NO.	SULF	MIX	OXIDE
501			✓	131	✓										
502			✓	132	✓										
503		✓		133	✓										
504			✓	134	✓										
506			✓	135		✓									
507		✓		134		✓									
508		✓		137			✓								
509	✓			138			✓								
510	✓			139			✓								
511	✓			140			✓								
512	✓			141			✓								
513	✓			142			✓								
514	✓														
515	✓														
516	✓														
517	✓														
518	✓														
519	✓														
520	✓														
521	✓														
522	✓														
523	✓														
524	✓														
525	✓														
526	✓														
527	✓														
528	✓														
529	✓														
530	✓														
531	✓														
121	✓														
122		✓													
123	✓														
124	✓														
125		✓													
126	✓														
127	✓														
128	✓														
129	✓														
130	✓														

Pit-Bench-Pattern #
S-16-13

Submittal Date
11-29-90 12:49 pm (cont)

BLAST HOLE

Hot NaCN Shake and FIRE DETERMINATIONS

DATE: 11-30-9

NAME: VD.KW

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	177	.032	.028	25.	Standard ✓		
2.	178		.023	26.			
3.	179		.017	27.			
4.	180	.051	.047	28.			
5.	181		.044	29.			
6.	✓pulp		.031	30.			
7.	182-1		.047	31.			
8.	Standard ✓		.014	32.			
9.	182-2	.053	.050	33.			
10.	183		.046	34.			
11.	222	.021	.019	35.			
12.	223		.055	36.			
13.		std ✓	.014	37.			
14.				38.			
15.				39.			
16.				40.			
17.				41.			
18.				42.	Standard ✓		
19.				43.			
20.				44.			
21.				45.			
22.				46.			
23.				47.			
24.				48.			

LLD

X

Pit-Bench-Pattern #
S-16-B

Submittal Date
11-29-90 12:49pm

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 11-30-90

NAME: VD, KW

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	81	.015	.009	25.	Standard ✓		.015
2.	82	.057	.022	26.	102	.067	.072
3.	83	.030	.030	27.	161		.008
4.	84	.020	.020	28.	162		.008
5.	85		.026	29.	163		.008
6.	86	.020	.021	30.	164		.017
7.	87	.018	.017	31.	165		.017
8.	Standard ✓		.015	32.	166		.006
9.	88		.010	33.			
10.	89	.013	.011	34.			
11.	90	.028	.019	35.	167	.013	.010
12.	91		.019	36.	168		.005
13.	92		.008	37.	169	.024	.014
14.	93		.018	38.	170		.008
15.	94		.018	39.	171	.028	.023
16.				40.	172		.039
17.				41.	173	.028	.024
18.	95		.025	42.	Standard ✓		.015
19.	96	.035	.036	43.	174		.009
20.	97		.015	44.	175	.021	.011
21.	98		.030	45.	✓ pulp		.030
22.	99		.030	46.	176-1	.021	.018
23.	100		.036	47.	176-2		.017
24.	101		.042	48.		Std ✓	.015

Pit-Bench-Pattern #
5-16-13

Submittal Date
11/27/90 10:10A

α

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 11/28/90

NAME: [illegible]

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	121	.015	.009	25.	Standard ✓		.015
2.	122		.007	26.	140		.054
3.	123-1	.016	.015	27.	141		.032
4.	123-2		.012	28.	142	.059	.059
5.	124	.048	.040	29.	501	.023	.024
6.	125	.030	.026	30.	502		.008
7.	126	.018	.012	31.	503		.006
8.	Standard ✓		.015	32.	504		.008
9.	127		.004	33.	[redacted]		
10.	128	.007	.004	34.	[redacted]		
11.	129		.007	35.	505		.025
12.	130	.020	.017	36.	506		.018
13.	131	.030	.023	37.	507	.019	.018
14.	✓7		.036	38.	508	.030	.028
15.	132	.019	.011	39.	509	.028	.022
16.	[redacted]			40.	510	.036	.016
17.	[redacted]			41.	511		.008
18.	133	.044	.037	42.	Standard ✓		.015
19.	134	.032	.021	43.	512		.006
20.	135	.024	.023	44.	513	.022	.015
21.	136	.070	.049	45.	514	.020	.010
22.	137		.030	46.	515		.002
23.	138		.018	47.	516		.003
24.	139	.020	.020	48.		Std ✓	.014

LLD

Pit-Bench-Pattern #
S-16-13

Submittal Date
11/27/90 10:10 A Cut
*11/27/90 1:30p

X

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 11/28/90
NAME: KW

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	517		.005	25.	Standard ✓		
2.	518	.012	.010	26.	7		025
3.	519		.006	27.	8		029
4.	520		.002	28.	9		008
5.	521	.009	.005	29.	10		011
6.	522		.004	30.	11		009
7.	523		.003	31.	12-1	.020	016
8.	Standard ✓		.014	32.	12-2		016
9.	524		.003	33.	[redacted]		
10.	525	.025	.016	34.	[redacted]		
11.	526		.009	35.	13		012
12.	527		.006	36.	14		008
13.	528	.026	.022	37.	17		031
14.	529	.012	.010	38.			
15.	530		.006	39.			
16.	[redacted]			40.			
17.	[redacted]			41.			
18.	531		.005	42.	Standard ✓		015
19*	1		.008	43.			
20.	2		.009	44.			
21.	3		009	45.			
22.	4	.026	017	46.			
23.	5		027	47.			
24.	6		021	48.			

LD

Pit-Bench-Pattern #
5-16-13

Submittal Date
11-28-90 9:23 Am

Gold Edge Project

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 11-29-90

NAME: [illegible]

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	15	.011	.013	25.	Standard ✓		.015
2.	16		.029	26.	53	.010	.005
3.	17		.037	27.	54		.011
4.	18		.034	28.	55		.014
5.	19		.030	29.	56	.071	.072
6.	20		.039	30.	57		.066
7.	✓pulp		.031	31.	58		.030
8.	Standard ✓		.015	32.	59		.037
9.	21	.056	.061	33.	[redacted]		
10.	41-1	.010	.007	34.	[redacted]		
11.	41-2		.007	35.	60		.059
12.	42		.004	36.	61		.051
13.	43	.012	.010	37.	62	.022	.026
14.	44	.011	.009	38.		Std ✓	.015
15.	45		.019	39.			
16.	[redacted]			40.			
17.	[redacted]			41.			
18.	46		.020	42.	Standard ✓		
19.	47		.017	43.			
20.	48	.018	.021	44.			
21.	49		.024	45.			
22.	50		.024	46.			
23.	51		.023	47.			
24.	52	.013	.014	48.			

Gilt Edge Project

Pit-Bench-Pattern #
5-16-13

Submittal Date
11-28-90 9:23 Am

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 11-29-90

NAME: [illegible]

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	15		.013	25.	Standard ✓		.015
2.	16		.029	26.	53		.005
3.	17		.037	27.	54		.011
4.	18		.034	28.	55		.014
5.	19		.030	29.	56		.072
6.	20		.039	30.	57		.066
7.	✓pulp		.031	31.	58		.030
8.	Standard ✓		.015	32.	59		.037
9.	21		.061	33.			
10.	41-1		.007	34.			
11.	41-2		.007	35.	60		.059
12.	42		.004	36.	61		.051
13.	43		.010	37.	62		.026
14.	44		.009	38.		Std ✓	.015
15.	45		.019	39.			
16.				40.			
17.				41.			
18.	46		.020	42.	Standard ✓		
19.	47		.017	43.			
20.	48		.021	44.			
21.	49		.024	45.			
22.	50		.024	46.			
23.	51		.023	47.			
24.	52		.014	48.			

Pit-Bench-Pattern #
5-16-13

Submittal Date
11/27/90 10:10A

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 11/28/90

NAME: KW

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	121		.009	25.	Standard ✓		.015
2.	122		.007	26.	140		.054
3.	123-1		.015	27.	141		.032
4.	123-2		.012	28.	142		.059
5.	124		.040	29.	501		.024
6.	125		.026	30.	502		.008
7.	126		.012	31.	503		.006
8.	Standard ✓		.015	32.	504		.008
9.	127		.004	33.			
10.	128		.004	34.			
11.	129		.007	35.	505		.025
12.	130		.017	36.	506		.018
13.	131		.023	37.	507		.018
14.	V7		.036	38.	508		.028
15.	132		.011	39.	509		.022
16.				40.	510		.016
17.				41.	511		.008
18.	133		.037	42.	Standard ✓		.015
19.	134		.021	43.	512		.006
20.	135		.023	44.	513		.015
21.	136		.049	45.	514		.010
22.	137		.030	46.	515		.002
23.	138		.018	47.	516		.003
24.	139		.020	48.		Std ✓	.014

Pit-Bench-Pattern #
S-16-13

Submittal Date
11/27/90 10:10 A Cut
*11/27/90 1:30p

BLAST HOLE

Bot BeCN Shale and FIRE DETERMINATIONS

DATE: 11/28/90

NAME: KW

	SAMPLE	FIRE Au.	BeCN Au.		SAMPLE	FIRE Au.	BeCN Au.
1.	517		.005	25.	Standard ✓		
2.	518		.010	26.	7		025
3.	519		.006	27.	8		029
4.	520		.002	28.	9		008
5.	521		.005	29.	10		011
6.	522		.004	30.	11		009
7.	523		.003	31.	12-1		016
8.	Standard ✓		.014	32.	12-2		016
9.	524		.003	33.			
10.	525		.016	34.			
11.	526		.009	35.	13		012
12.	527		.006	36.	14		008
13.	528		.022	37.	K7		031
14.	529		.010	38.			
15.	530		.006	39.			
16.				40.			
17.				41.			
18.	531		.005	42.	Standard ✓		015
19*	1		.008	43.			
20.	2		.009	44.			
21.	3		009	45.			
22.	4		017	46.			
23.	5		027	47.			
24.	6		021	48.			

Pit-Bench-Pattern #
5-16-73

Submittal Date
11-29-90 12:49 pm (cow)

X

BLAST HOLE

Hot HaCN Shake
and
FIRE DETERMINATIONS

DATE: 11-30-9

NAME: VD, KW

	SAMPLE	FIRE Au.	HaCN Au.		SAMPLE	FIRE Au.	HaCN Au.
1.	177		.028	25.	Standard ✓		
2.	178		.023	26.			
3.	179		.017	27.			
4.	180		.047	28.			
5.	181		.044	29.			
6.	✓ pulp		.031	30.			
7.	182-1		.047	31.			
8.	Standard ✓		.014	32.			
9.	182-2		.050	33.			
10.	183		.046	34.			
11.	222		.019	35.			
12.	223		.055	36.			
13.		std ✓	.014	37.			
14.				38.			
15.				39.			
16.				40.			
17.				41.			
18.				42.	Standard ✓		
19.				43.			
20.				44.			
21.				45.			
22.				46.			
23.				47.			
24.				48.			

Pit-Bench-Pattern #
S-16-13

Submittal Date
11-29-90 12:49pm

BLAST HOLE

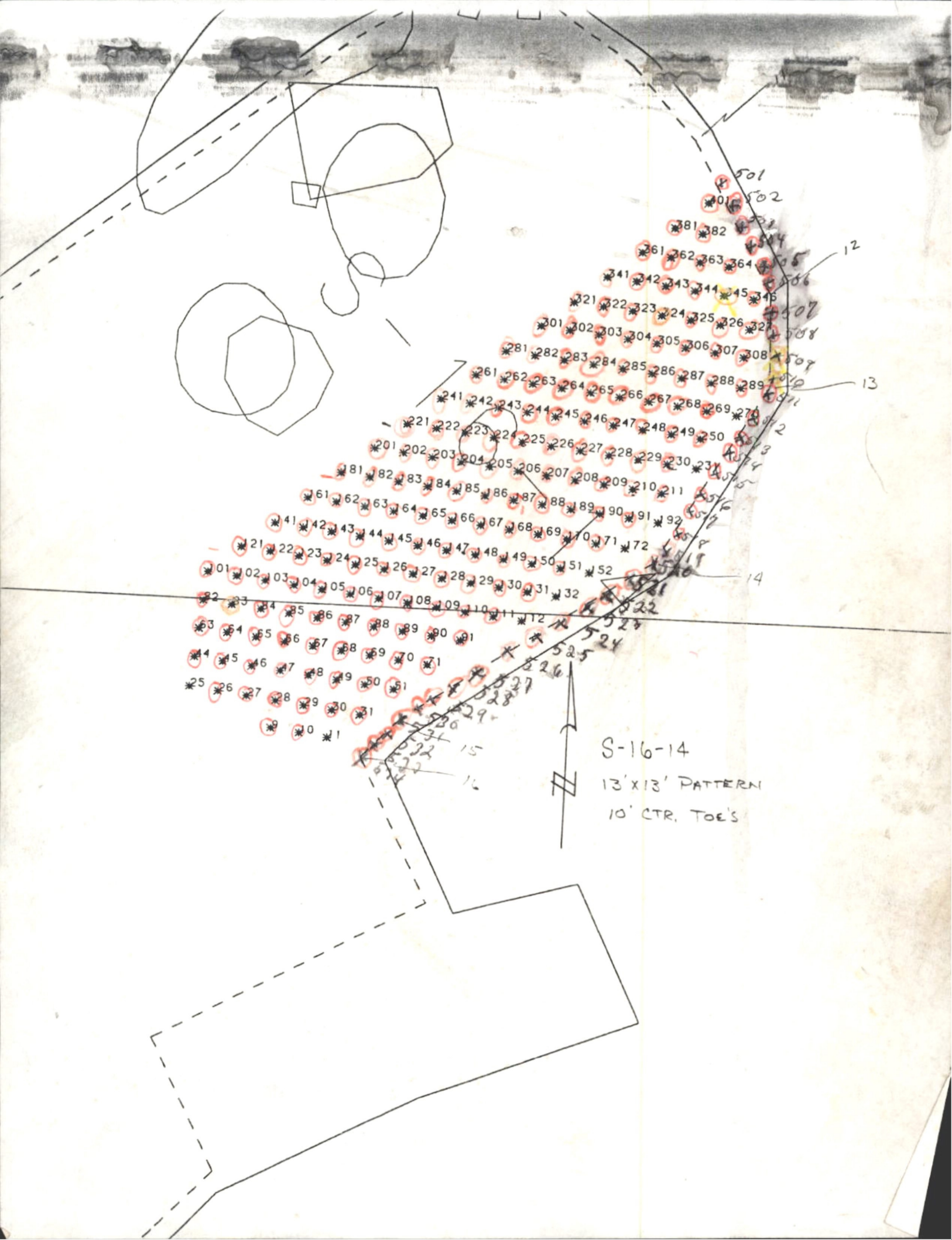
Hot NaCN Shake
and
FIRE DETERMINATIONS

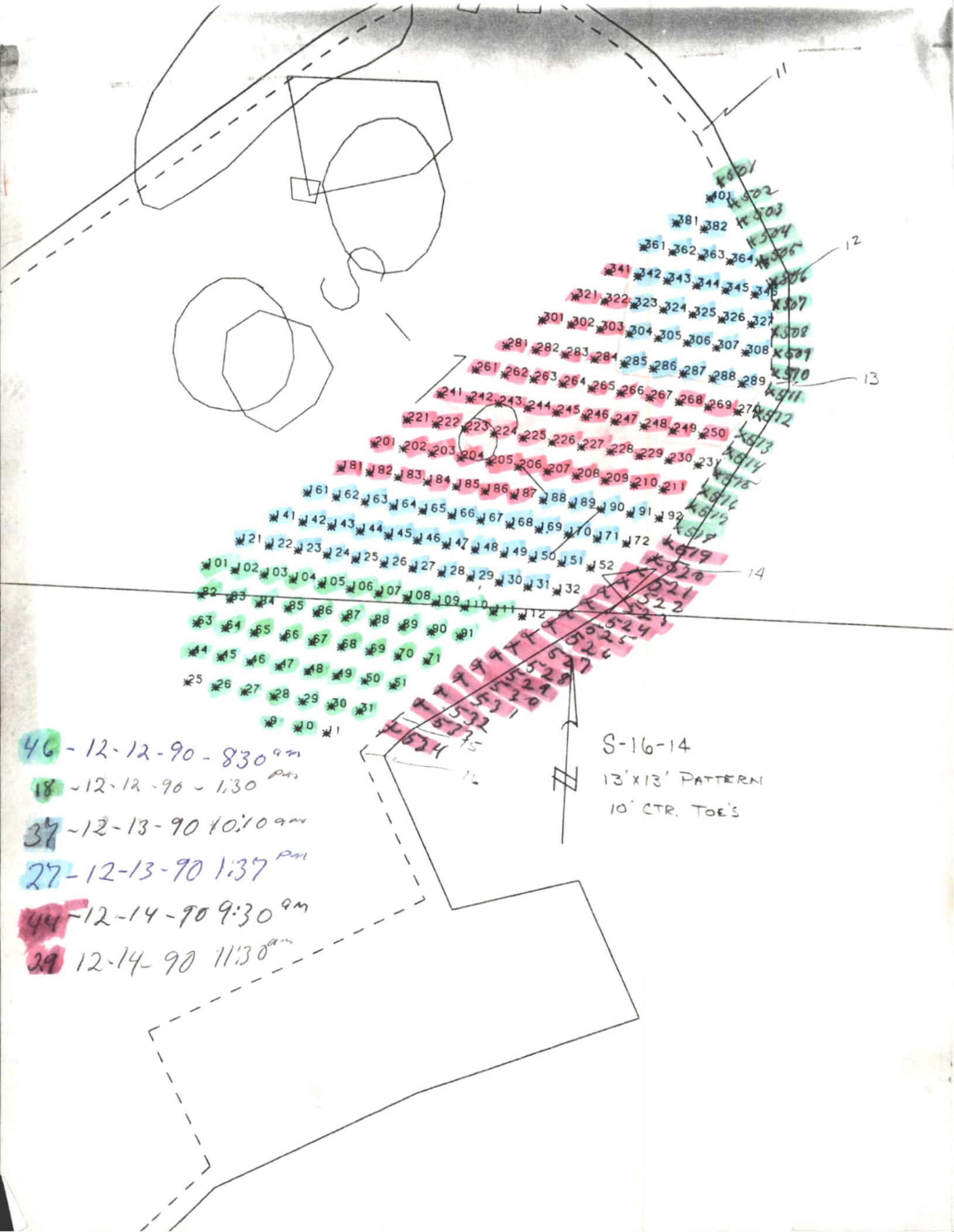
DATE: 11-30-90

NAME: VD, KW

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	81		.009	25.	Standard ✓		.015
2.	82		.022	26.	102		.072
3.	83		.030	27.	161		.008
4.	84		.020	28.	162		.008
5.	85		.026	29.	163		.008
6.	86		.021	30.	164		.017
7.	87		.017	31.	165		.017
8.	Standard ✓		.015	32.	166		.006
9.	88		.010	33.	[redacted]		
10.	89		.011	34.	[redacted]		
11.	90		.019	35.	167		.010
12.	91		.019	36.	168		.005
13.	92		.008	37.	169		.014
14.	93		.018	38.	170		.008
15.	94		.018	39.	171		.023
16.	[redacted]			40.	172		.039
17.	[redacted]			41.	173		.024
18.	95		.025	42.	Standard ✓		.015
19.	96		.036	43.	174		.009
20.	97		.015	44.	175		.011
21.	98		.030	45.	✓ pulp		.030
22.	99		.030	46.	176-1		.018
23.	100		.036	47.	176-2		.017
24.	101		.042	48.		Std ✓	.015

S-16-14


S-16-14
13'x13' PATTERN
10' CTR. TOE'S


11
12
13
14
16
S-16-14
13'x13' PATTERN
10' CTR. TOE'S
46 - 12-12-90 - 830 am
18 - 12-12-90 - 1:30 pm
37 - 12-13-90 10:10 am
27 - 12-13-90 1:37 pm
44 - 12-14-90 9:30 am
29 12-14-90 11:30 am

CHECKED & EDITTED
12/29/90

BENCH NO	SHOT NO	BLASTHOLE NO	ORE TYPE	FIRE AU	AA AU	AA/FIRE	AA/RAT
S16	14	9	3	0.019	0.009	47.37%	0.019
S16	14	10	3		0.038		0.043
S16	14	26	3	0.108	0.076	70.37%	0.108
S16	14	27	3	0.024	0.004	16.67%	0.024
S16	14	28	3		0.011		0.012
S16	14	29	3		0.042		0.047
S16	14	30	3		0.035		0.039
S16	14	31	3		0.012		0.013
S16	14	44	3		0.023		0.024
S16	14	45	3		0.009		0.010
S16	14	46	3	0.011	0.003	27.27%	0.011
S16	14	47	3		0.029		0.031
S16	14	48	3		0.060		0.069
S16	14	49	3		0.024		0.026
S16	14	50	3		0.011		0.012
S16	14	51	3		0.034		0.038
S16	14	63	3		0.005		0.005
S16	14	64	3	0.032	0.035	109.38%	0.032
S16	14	65	3		0.017		0.018
S16	14	66	3		0.046		0.052
S16	14	67	3	0.137	0.120	87.59%	0.137
S16	14	68	3		0.018		0.019
S16	14	69	3		0.009		0.010
S16	14	70	3	0.034	0.020	58.82%	0.034
S16	14	71	3		0.009		0.010
S16	14	82	3	0.006	0.009	150.00%	0.006
S16	14	83	2	0.002	0.003	150.00%	0.002
S16	14	84	3		0.017		0.018
S16	14	85	3		0.024		0.026
S16	14	86	3		0.049		0.055
S16	14	87	3		0.036		0.040
S16	14	88	3	0.020	0.025	125.00%	0.020
S16	14	89	3		0.009		0.010
S16	14	90	3		0.007		0.008
S16	14	91	3		0.018		0.019
S16	14	101	3		0.006		0.007
S16	14	102	3		0.005		0.005
S16	14	103	3	0.017	0.019	111.76%	0.017
S16	14	104	3		0.033		0.037
S16	14	105	3		0.033		0.037
S16	14	106	3	0.059	0.065	110.17%	0.059
S16	14	107	3		0.015		0.016
S16	14	108	3		0.018		0.019
S16	14	109	3		0.007		0.008
S16	14	110	3		0.014		0.015
S16	14	111	3	0.040	0.037	92.50%	0.040
S16	14	121	3	0.016	0.013	81.25%	0.016
S16	14	122	3		0.018		0.019
S16	14	123	3		0.049		0.055
S16	14	124	3		0.056		0.063
S16	14	125	3		0.066		0.076
S16	14	126	3		0.053		0.060
S16	14	127	3		0.015		0.016
S16	14	128	3	0.025	0.020	80.00%	0.025

S16	14	129	3		0.022		0.023
S16	14	130	3	0.014	0.013	92.86%	0.014
S16	14	131	3		0.004		0.004
S16	14	141	3		0.042		0.047
S16	14	142	3		0.063		0.072
S16	14	143	3		0.044		0.049
S16	14	144	3	0.044	0.048	109.09%	0.044
S16	14	145	3		0.025		0.027
S16	14	146	3		0.026		0.028
S16	14	147	3		0.011		0.012
S16	14	148	3		0.023		0.024
S16	14	149	3	0.011	0.003	27.27%	0.011
S16	14	150	3		0.006		0.007
S16	14	151	3	0.009	0.006	66.67%	0.009
S16	14	161	3	0.044	0.040	90.91%	0.044
S16	14	162	3		0.059		0.066
S16	14	163	3		0.042		0.047
S16	14	164	3		0.023		0.024
S16	14	165	3		0.013		0.014
S16	14	166	3		0.035		0.039
S16	14	167	3		0.043		0.048
S16	14	168	3	0.011	0.011	100.00%	0.011
S16	14	169	3		0.008		0.009
S16	14	170	3		0.006		0.007
S16	14	171	3		0.003		0.003
S16	14	181	3	0.057	0.062	108.77%	0.057
S16	14	182	3		0.053		0.060
S16	14	183	3		0.023		0.024
S16	14	184	3		0.024		0.026
S16	14	185	3		0.028		0.030
S16	14	186	3		0.028		0.030
S16	14	187	3	0.027	0.021	77.78%	0.027
S16	14	188	3		0.008		0.009
S16	14	189	3	0.028	0.028	100.00%	0.028
S16	14	190	3		0.007		0.008
S16	14	191	3	0.015	0.016	106.67%	0.015
S16	14	201	3		0.020		0.021
S16	14	202	3		0.015		0.016
S16	14	203	3		0.021		0.022
S16	14	204	3	0.023	0.024	104.35%	0.023
S16	14	205	3		0.012		0.013
S16	14	206	3	0.010	0.012	120.00%	0.010
S16	14	207	3		0.006		0.007
S16	14	208	3		0.008		0.009
S16	14	209	3		0.004		0.004
S16	14	210	3		0.007		0.008
S16	14	211	3		0.006		0.007
S16	14	221	3		0.031		0.035
S16	14	222	3		0.018		0.019
S16	14	223	3	0.014	0.016	114.29%	0.014
S16	14	224	3		0.009		0.010
S16	14	225	3	0.018	0.020	111.11%	0.018
S16	14	226	3		0.010		0.011
S16	14	227	3		0.005		0.005
S16	14	228	3		0.006		0.007
S16	14	229	3	0.007	0.005	71.43%	0.007

S16	14	230	3		0.006		0.007	
S16	14	241	3		0.016		0.017	
S16	14	242	3		0.017		0.018	
S16	14	243	3		0.009		0.010	
S16	14	244	3		0.012		0.013	
S16	14	245	3		0.018		0.019	
S16	14	246	3	0.005	0.003	60.00%	0.005	
S16	14	247	3		0.002		0.002	
S16	14	248	3		0.003		0.003	
S16	14	249	3	0.004	0.004	100.00%	0.004	
S16	14	250	3	0.064	0.066	103.13%	0.064	
S16	14	261	3		0.006		0.007	
S16	14	262	3		0.011		0.012	
S16	14	263	3		0.003		0.003	
S16	14	264	3		0.011		0.012	
S16	14	265	3	0.005	0.003	60.00%	0.005	
S16	14	266	3		0.007		0.008	
S16	14	267	3		0.004		0.004	
S16	14	268	3		0.016		0.017	
S16	14	269	3		0.003		0.003	
S16	14	281	3		0.006		0.007	
S16	14	282	3		0.004		0.004	
S16	14	283	3		0.009		0.010	
S16	14	284	3		0.013		0.014	
S16	14	285	3		0.006		0.007	
S16	14	286	3		0.005		0.005	
S16	14	287	3	0.007	0.007	100.00%	0.007	
S16	14	288	3		0.005		0.005	
S16	14	289	3		0.003		0.003	
S16	14	301	3		0.012		0.013	
S16	14	302	3		0.022		0.023	
S16	14	303	3	0.015	0.015	100.00%	0.015	
S16	14	304	3	~~0.014~~	0.009	64.29%	0.014	No FIRE
S16	14	305	3		0.006		0.007	
S16	14	306	3		0.006		0.007	
S16	14	307	3		0.004		0.004	
S16	14	308	3	0.028	0.024	85.71%	0.028	
S16	14	321	3	.014	0.013		0.014	
S16	14	322	3		0.014		0.015	
S16	14	323	3		0.014		0.015	
S16	14	324	2	0.021	0.026	123.81%	0.021	
S16	14	325	3	0.007	0.007	100.00%	0.007	
S16	14	326	3		0.011		0.012	
S16	14	327	3		0.007		0.008	
S16	14	341	3		0.012		0.013	
S16	14	342	3		0.010		0.011	
S16	14	343	3		0.009		0.010	
S16	14	344	3		0.005		0.005	
S16	14	345	2	0.013	0.011	84.62%	0.013	
S16	14	346	3		0.015		0.016	
S16	14	361	3		0.006		0.007	
S16	14	362	3		0.007		0.008	
S16	14	363	3	0.004	0.005	125.00%	0.004	
S16	14	364	3		0.006		0.007	
S16	14	381	3	0.044	0.030	68.18%	0.044	
S16	14	382	3		0.006		0.007	

S16	14	401	3		0.013		0.014
S16	14	501	3	0.080	0.050	62.50%	0.080
S16	14	502	3		0.011		0.012
S16	14	503	3		0.009		0.010
S16	14	504	3		0.007		0.008
S16	14	505	3		0.015		0.016
S16	14	506	3	0.010	0.009	90.00%	0.010
S16	14	507	3		0.008		0.009
S16	14	508	3		0.007		0.008
S16	14	509	2	0.010	0.009	90.00%	0.010
S16	14	510	2	0.012	0.011	91.67%	0.012
S16	14	511	3	0.005	0.004	80.00%	0.005
S16	14	512	3		0.006		0.007
S16	14	513	3		0.022		0.023
S16	14	514	3	0.057	0.055	96.49%	0.057
S16	14	515	3		0.042		0.047
S16	14	516	3		0.045		0.051
S16	14	517	3		0.007		0.008
S16	14	518	3	0.009	0.008	88.89%	0.009
S16	14	519	3		0.005		0.005
S16	14	520	3		0.006		0.007
S16	14	521	3	0.006	0.006	100.00%	0.006
S16	14	522	3		0.006		0.007
S16	14	523	3		0.018		0.019
S16	14	524	3		0.009		0.010
S16	14	525	3		0.007		0.008
S16	14	526	3		0.025		0.027
S16	14	527	3	0.010	0.009	90.00%	0.010
S16	14	528	3		0.024		0.026
S16	14	529	3		0.018		0.019
S16	14	530	3	0.015	0.016	106.67%	0.015
S16	14	531	3		0.029		0.031
S16	14	532	3		0.016		0.017
S16	14	533	3	0.005	0.004	80.00%	0.005
S16	14	534	3	0.026	0.031	119.23%	0.026
		MEAN		0.025	0.019	90.72%	0.021

PATTERN S-16-14 (Ext.)

BROHM MINING CORPORATION
BLAST HOLE ORE TYPE

X

DATE 12-17-80

NO.	SULF.	MIX	OXIDE	NO.	SULF.	MIX	OXIDE	NO.	SULF.	MIX	OXIDE	NO.	SULF	MIX	OXIDE
181			X	262			X								
182			X	263			X								
183			X	264			X								
184			X	265			X								
185			X	266			X								
186			X	267			X								
187			X	268			X								
201			X	269			X								
202			X	281			X								
203			X	282			X								
204			X	283			X								
205			X	284			X								
206			X	301			X								
207			X	302			X								
208			X	303			X								
209			X	321			X								
210			X	322			X								
211			X	341			X								
[redacted]				519			X								
221			X	520			X								
222			X	521			X								
223			X	522			X								
224			X	523			X								
225			X	524			X								
226			X	525			X								
227			X	526			X								
228			X	527			X								
229			X	528			X								
230			X	529			X								
241			X	530			X								
242			X	531			X								
243			X	532			X								
244			X	533			X								
245			X	534			X								
246			X												
247			X												
248			X												
249			X												
250			X												
261															

BROHM MINING CORPORATION
BLAST HOLE ORE TYPE X

PATTERN S-16-14 DATE 12-13-90

NO.	SULF.	MIX	OXIDE	NO.	SULF.	MIX	OXIDE	NO.	SULF.	MIX	OXIDE	NO.	SULF	MIX	OXIDE
121			X	288			X								
122			X	289			X								
123			X	304			X								
124			X	305			X								
125			X	306			X								
126			X	307			X								
127			X	308			X								
128			X	323			X								
129			X	324		X									
130			X	325			X								
131			X	326			X								
141			X	327			X								
142			X	342			X								
143			X	343			X								
144			X	344			X								
145			X	345		X									
146			X	346			X								
147			X	361			X								
148			X	362			X								
149			X	363			X								
150			X	364			X								
151			X	381			X								
161			X	382			X								
162			X	401			X								
163			X												
164			X												
165			X												
166			X												
167			X												
168			X												
169			X												
170			X												
171			X												
188			X												
189			X												
190			X												
191			X												
285			X												
286			X												
287			X												

BROHM MINING CORPORATION
BLAST HOLE ORE TYPE

X

PATTERN 5-16-14

DATE 12-12-90

NO.	SULF.	MIX	OXIDE	NO.	SULF.	MIX	OXIDE	NO.	SULF.	MIX	OXIDE	NO.	SULF	MIX	OXIDE
9			X	106			X								
10			X	107			X								
26			X	108			X								
27			X	109			X								
28			X	110			X								
29			X	111			X								
30			X	112			X								
31			X												
44			X	501			X								
45			X	502			X								
46			X	503			X								
47			X	504			X								
48			X	505			X								
49			X	506			X								
50			X	507			X								
51			X	508			X								
63			X	509		X									
64			X	510		X									
65			X	511			X								
66			X	512			X								
67			X	513			X								
68			X	514			X								
69			X	515			X								
70			X	516			X								
71			X	517			X								
82			X	518			X								
83		X													
84			X												
85			X												
86			X												
87			X												
88			X												
89			X												
90			X												
91			X												
101			X												
102			X												
103			X												
104			X												
105			X												

Ttp ⇒ Microperthite

perthite = dominant K-spar w/ lesser Albite

$(K,Na)AlSi_3O_8$

ARGILLIC

Albite (plagioclase) $\xrightarrow{+H_2O}$ clay + SiO_2 (Qtz)

Pit-Bench-Pattern /
5-16-14
Submittal Date
12-12-90 8:30Am

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 12-13-90
NAME: VD

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	9	.019	.009	25.	Standard ✓		.015
2.	10		.038	26.	67	.137	.120
3.	26	.108	.076	27.	68		.018
4.	27	.024	.004	28.	69		.009
	28		.011	29.	70	.034	.020
6.	29		.042	30.	71		.009
7.	30		.035	31.	82-1	.006	.009
8.	Standard ✓		.015	32.	82-2		.008
9.	31		.012	33.	[redacted]		
10.	44		.023	34.	[redacted]		
11.	45		.009	35.	83	.002	.003
12.	46	.011	.003	36.	84		.017
	47		.029	37.	85		.024
	48		.060	38.	86		.049
15.	49		.024	39.	87		.036
16.	[redacted]			40.	88	.020	.025
17.				41.	89		.009
18.	50		.011	42.	Standard ✓		.015
19.	51		.034	43.	90		.007
20.	✓ prep		.031	44.	[illegible]		.018
21.	63		.005	45.	101		.006
22.	64	.032	.035	46.	102		.005
23.	65		.017	47.	103	.017	.019
24.	66		.046	48.		Std ✓	.014

Pit-Bench-Pattern #
S-16-14

Submittal Date
12-12-90 8:30 am (cont)

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 12-13-90

NAME: VD

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	104		.033	25.	Standard ✓		
2.	105		.033	26.			
3.	106	.059	.065	27.			
4.	✓ pulp		.031	28.			
5.	107		.015	29.			
6.	108		.018	30.			
7.	109		.007	31.			
8.	Standard ✓		.014	32.			
9.	110		.014	33.			
10.	111	.040	.037	34.			
11.				35.			
12.				36.			
13.				37.			
14.				38.			
15.				39.			
16.				40.			
17.				41.			
18.				42.	Standard ✓		
19.				43.			
20.				44.			
21.				45.			
22.				46.			
23.				47.			
24.				48.			

VD

Pit-Bench-Pattern #
5-16-14

Submittal Date
12-13-90 10:10 Am

BLAST HOLE

Hot NaCN Shake and FIRE DETERMINATIONS

DATE: 12-14-90

NAME: WD

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	121	.016	.013	25.	Standard ✓		.014
2.	✓pulp		.034	26.	150		.006
3.	122		.018	27.	151	.009	.006
4.	123		.049	28.	161	.044	.040
5.	124		.056	29.	162		.059
6.	125		.066	30.	163		.042
7.	126		.053	31.	164		.023
8.	Standard ✓		.015	32.	165		.013
9.	127		.015	33.			
10.	128	.025	.020	34.			
11.	129		.022	35.	166		.035
12.	130	.014	.013	36.	167		.043
13.	131		.004	37.	168	.011	.011
14.	141		.042	38.	169		.008
15.	142		.063	39.	170		.006
16.				40.	171		.003
17.				41.	188		.008
18.	143		.044	42.	Standard ✓		.015
19.	144	.044	.048	43.	189	.028	.028
20.	145		.025	44.	190		.007
21.	146		.026	45.	191-1	.015	.015
22.	147		.011	46.	191-2		.016
23.	148		.023	47.		Std ✓	.015
24.	149	.011	.003	48.			

LLD

Pit-Bench-Pattern #
S-16-14

Submittal Date
12/14/90 9:00A

BLAST HOLE

Hot NaCN Shake and FIRE DETERMINATIONS

DATE: 12/17/90

NAME: KW VO

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	181	.057	.062	25.	Standard ✓		.015
2.	182		.053	26.	222		.018
3.	183		.023	27.	223	.014	.016
4.	184		.024	28.	224		.009
5.	185		.028	29.	225	.018	.020
6.	186		.028	30.	226		.010
7.	187	.027	.021	31.	227		.005
8.	Standard ✓		.015	32.	228		.006
9.	201		.020	33.			
10.	202		.015	34.			
11.	203		.021	35.	229	.007	.005
12.	204	.023	.024	36.	230		.006
13.	205		.012	37.	519		.005
14.	206-1	.010	.012	38.	520		.006
15.	206-2		.012	39.	521	.006	.006
16.				40.	522		.006
17.				41.	523		.018
18.	207		.006	42.	Standard ✓		.015
19.	208		.008	43.	524		.009
20.	209		.004	44.	525		.007
21.	210		.007	45.	526		.025
22.	211		.006	46.	527	.010	.009
23.	V7		.032	47.	528		.024
24.	221		.031	48.		Std ✓	.014

LLD

Pit-Bench-Pattern #
5-16-14

Submittal Date
2-13-90 1:37 pm

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 12-14-90

NAME:

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	285		.006	25.	Standard ✓		.015
2.	286		.005	26.	346		.015
3.	287	.007	.007	27.	361		.006
4.	288		.005	28.	362		.007
5.	289		.003	29.	363	.004	.005
6.	304		.009	30.	364		.006
7.	305		.006	31.	381	.044	.030
8.	Standard ✓		.015	32.	382		.006
9.	306		.006	33.			
10.	307		.004	34.			
11.	308	.028	.024	35.	401		.013
12.	323		.014	36.			
	324	.021	.026	37.			
14.	325-1	.007	.006	38.			
15.	325-2		.007	39.			
16.				40.			
17.				41.			
18.	✓ prep		.029	42.	Standard ✓		
19.	326		.011	43.			
20.	327		.007	44.			
21.	342		.010	45.			
22.	343		.009	46.			
23.	344		.005	47.			
24.	345	.013	.011	48.			

LD

Pit-Bench-Pattern #
5-16-14

Submittal Date
12-12-90 1:30pm

BLAST HOLE

Hot NaCN Shake and FIRE DETERMINATIONS

DATE: 12-14-90

NAME: VD

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	501	.080	.050	25.	Standard ✓		
2.	502		.011	26.			
3.	503		.009	27.			
4.	504		.007	28.			
5.	505		.015	29.			
6.	506	.010	.009	30.			
7.	507		.008	31.			
8.	Standard ✓		.015	32.			
9.	508		.007	33.			
10.	509	.010	.009	34.			
11.	510	.012	.011	35.			
12.	511	.005	.004	36.			
13.	512		.006	37.			
14.	513-1		.023 .022	38.			
15.	513-2		.020	39.			
16.				40.			
17.				41.			
18.	514	.057	.055	42.	Standard ✓		
19.	515		.042	43.			
20.	516		.045	44.			
21.	517		.007	45.			
22.	518	.009	.008	46.			
23.	✓ prep		.030	47.			
24.		Std ✓	.015	48.			

LLD ✓

Pit-Bench-Pattern #
5-16-14

Submittal Date
12/14/90 9:00A Cont
* 1114/A

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 12/17/90

NAME: KW VD

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	529		.018	25.	Standard ✓		.015
2.	530	.015	.016	26.	266		.007
3.	531		.029	27.	267		.004
4.	532		.016	28.	268		.016
5.	533	.005	.004	29.	269		.003
6.	534	.026	.031	30.	281		.006
* 7.	241		.016	31.	282		.004
8.	Standard ✓		.014	32.	283		.009
9.	242		.017	33.			
10.	243		.009	34.			
11.	244		.012	35.	284		.013
12.	245		.018	36.	301		.012
13.	246	.005	.003	37.	302		.022
14.	247		.002	38.	303	.015	.015
15.	248		.003	39.	321-1	.014	.014 .013
16.				40.	321-2		.011
17.				41.	322		.014
18.	249	.004	.004	42.	Standard ✓		.015
19.	250	.064	.066	43.	341		.012
20.	261		.006	44.	✓2		.032
21.	262		.011	45.			
22.	263		.003	46.			
23.	264		.011	47.			
24.	265	.005	.003	48.			

LLD ✓

Pit-Bench-Pattern #
5-16-14
Submittal Date
12-12-90 8:30Am

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 12-13-90
NAME: VD

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	9		.009	25.	Standard ✓		.015
2.	10		.038	26.	67		.120
3.	26		.076	27.	68		.018
4.	27		.004	28.	69		.009
5.	28		.011	29.	70		.020
6.	29		.042	30.	71		.009
7.	30		.035	31.	82-1		.009
8.	Standard ✓		.015	32.	82-2		.008
9.	31		.012	33.			
10.	44		.023	34.			
11.	45		.009	35.	83		.003
12.	46		.003	36.	84		.017
13.	47		.029	37.	85		.024
14.	48		.060	38.	86		.049
15.	49		.024	39.	87		.036
16.				40.	88		.025
17.				41.	89		.009
18.	50		.011	42.	Standard ✓		.015
19.	51		.034	43.	90		.007
20.	✓prep		.031	44.	91		.018
21.	63		.005	45.	101		.006
22.	64		.035	46.	102		.005
23.	65		.017	47.	103		.019
24.	66		.046	48.		Std ✓	.014