BLAST HOLE ORE TYPE

PATTERN S-18-3 DATE 5-28-91

NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI
169	X			4				29				54			
170	X			5				30				55			
225			X	6				31				56			
226			X	7				32				57			
211		X		8				33				58			
212		X		9				34				59			
213		X		10				35				60			
232			X	11				36				61			
233		X		12				37				62			
234		X		13				38				63			
253			X	14				39				64			
254			X	15				40				65			
255			X	16				41				66			
274		X		17				42				67			
275			X	18				43				68			
276			X	19				44				69			
295			X	20				45				70			
296			X	21				46				71			
315			X	22				47				72			
316			X	23				48				73			
336			X	24				49				74			
				25				50				75			
1				26				51				76			
2				27				52				77			
3				28				53				78			

BLAST HOLE ORE TYPE

PATTERN S-18-3 DATE 5/24/91

NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI
227			X	374			X	1				26			
228			X	375			X	2				27			
229			X	376			X	3				28			
230		X		396			X	4				29			
231		X		501			X	5				30			
246			X	502			X	6				31			
247			X	503			X	7				32			
248			X	504			X	8				33			
249			X	505			X	9				34			
250			X	506			X	10				35			
251			X	507			X	11				36			
252		X		508			X	12				37			
310			X	509			X	13				38			
311			X	510			X	14				39			
312			X	511			X	15				40			
313			X	512			X	16				41			
314			X	513			X	17				42			
332			X	514			X	18				43			
333			X	515			X	19				44			
334			X	516			X	20				45			
335			X	517			X	21				46			
353			X	518			X	22				47			
354			X	519			X	23				48			
355			X	520			X	24				49			
356			X					25				50			

PATTERN ~~5-22-91~~ S-18-3 BLAST HOLE ORE TYPE DATE 5/22/91

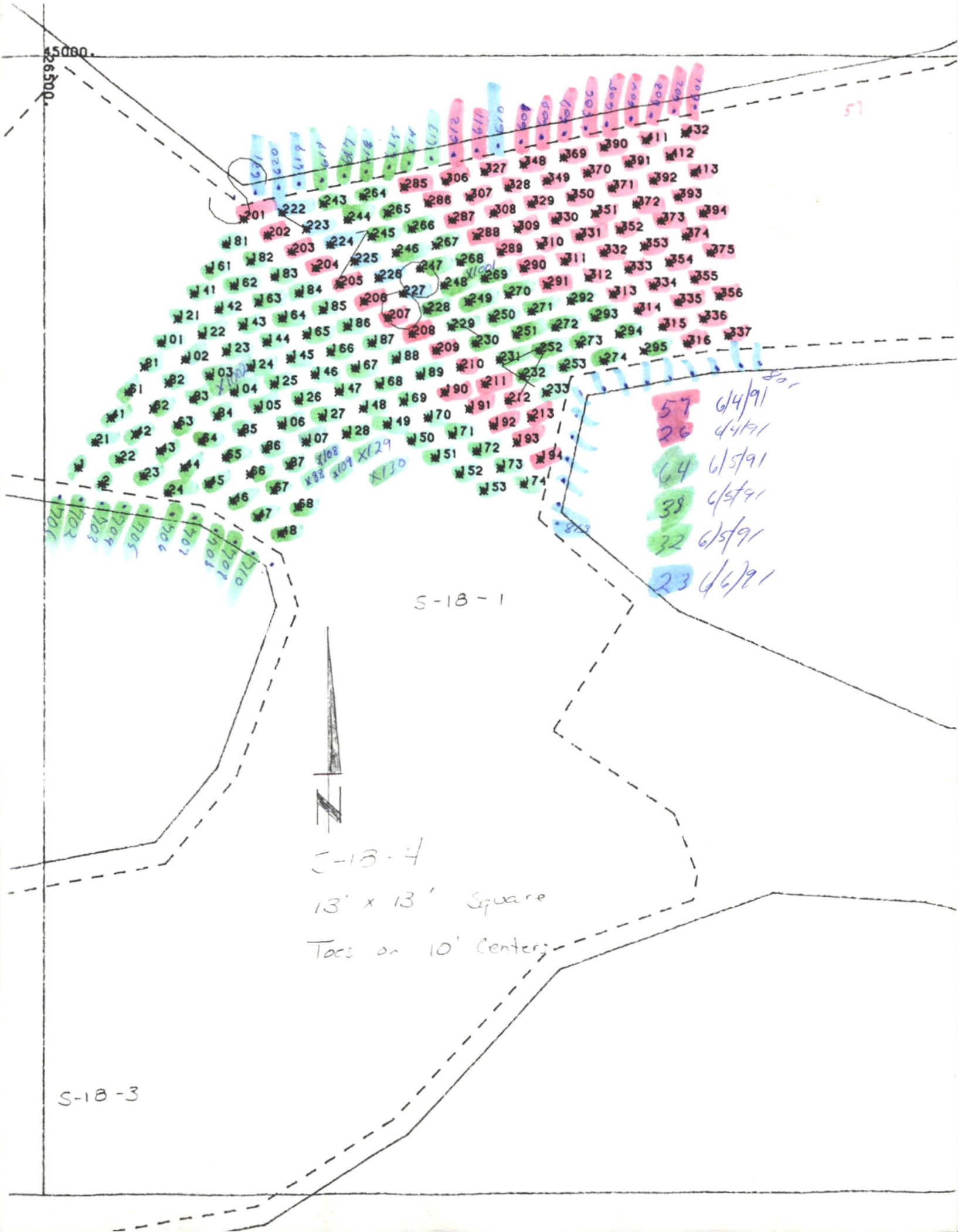
NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI
268			X	12				37				62			
269			X	13				38				63			
270			X	14				39				64			
271			X	15				40				65			
272			X	16				41				66			
273			X	17				42				67			
				18				43				68			
289			X	19				44				69			
290			X	20				45				70			
291			X	21				46				71			
292			X	22				47				72			
293			X	23				48				73			
294			X	24				49				74			
				25				50				75			
1				26				51				76			
2				27				52				77			
3				28				53				78			
4				29				54				79			
5				30				55				80			
6				31				56				81			
7				32				57				82			
8				33				58				83			
9				34				59				84			
10				35				60				85			
11				36				61				86			

BLAST HOLE ORE TYPE

PATTERN S-18-3 DATE 5-29-91

NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI
148	X			204			X	12				37			
149	X			205			X	13				38			
150	X			206		X		14				39			
151		X		207		X		15				40			
152			X	208		X		16				41			
153			X	209		X		17				42			
171	X			210	X			18				43			
172		X		214		X		19				44			
173		X		215			X	20				45			
174			X	216			X	21				46			
175			X	235		X		22				47			
183			X	236			X	23				48			
184			X	256		X		24				49			
185		X		195		X		25				50			
186			X	196			X	26				51			
187		X		2				27				52			
188		X		3				28				53			
189	X			4				29				54			
190	X			5				30				55			
191		X		6				31				56			
192		X		7				32				57			
193		X		8				33				58			
194		X		9				34				59			
* ~~195~~								10				35			
* ~~196~~								11				36			
												60			

S-18-4


45000.
26500.
57 6/4/91
26 6/4/91
64 6/5/91
38 6/5/91
32 6/5/91
23 6/6/91
S-18-1
S-18-4
13' x 13' Square
Tocs on 10' Centers
S-18-3

CHECKED OK 6/12/91
BM

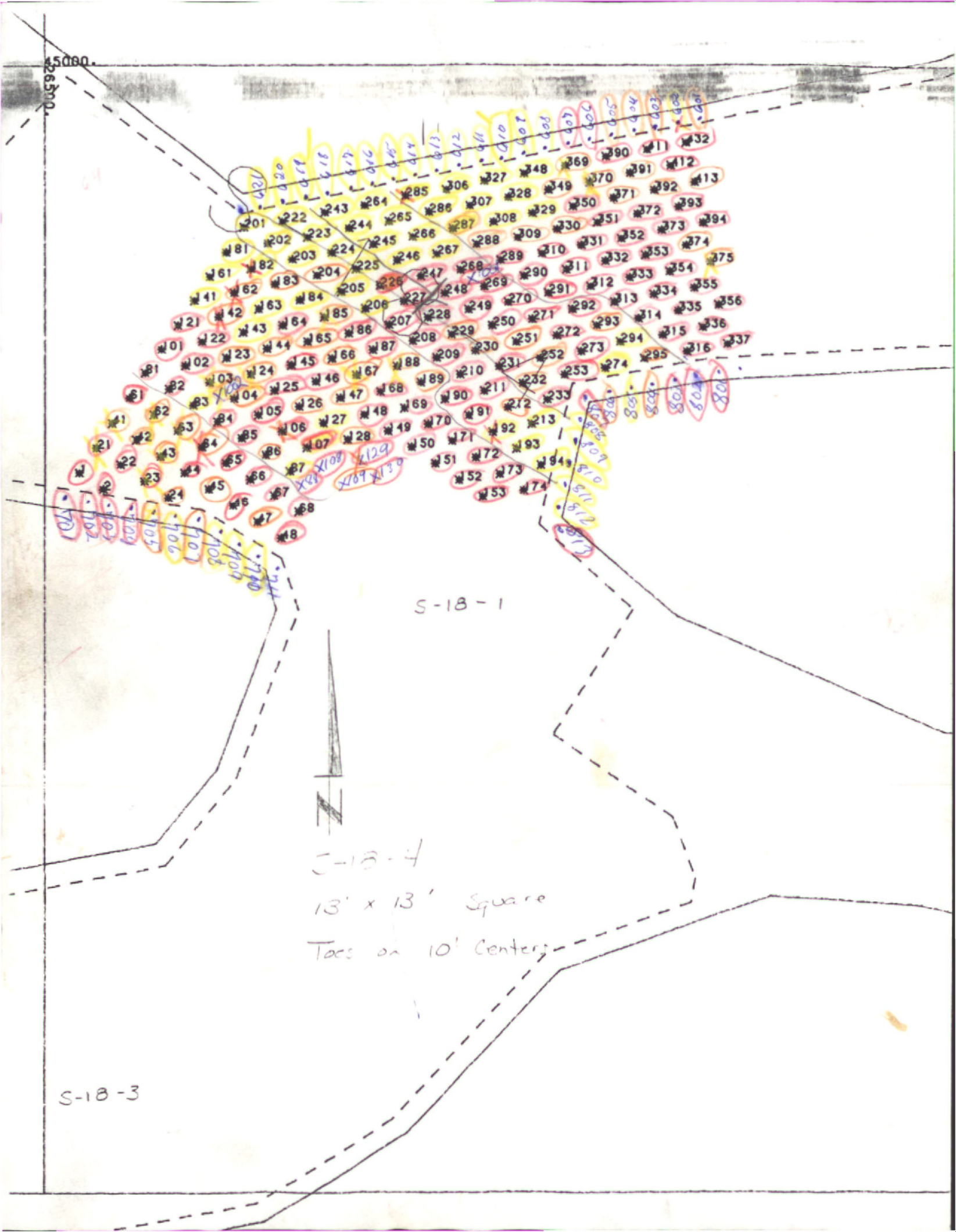
0 no	shot no	bh no	fire au	aa au	fire equiv (aa/ratio)	ore type	ratio	actual ratio (aa/fire)
		0						
0	1184	0			0.000		95.0%	
S18	4	1		13.000	13.684	3	95.0%	
S18	4	2		4.000	4.211	3	95.0%	
S18	4	21		3.000	3.158	3	95.0%	
S18	4	22		6.000	6.316	3	95.0%	
S18	4	23		4.000	4.211	3	95.0%	
S18	4	24		4.000	4.762	2	84.0%	
S18	4	41		2.000	2.381	2	84.0%	
S18	4	42		2.000	2.381	2	84.0%	
S18	4	43		3.000	3.571	2	84.0%	
S18	4	44	6.000	6.000	6.000	3	100.0%	100.0%
S18	4	45		7.000	8.333	2	84.0%	
S18	4	46		4.000	4.211	3	95.0%	
S18	4	47		4.000	4.762	2	84.0%	
S18	4	48		15.000	15.789	3	95.0%	
S18	4	61		4.000	4.211	3	95.0%	
S18	4	62		2.000	2.381	2	84.0%	
S18	4	63		3.000	3.571	2	84.0%	
S18	4	64		2.000	2.381	2	84.0%	
S18	4	65		8.000	8.421	3	95.0%	
S18	4	66	10.000	9.000	10.000	3	100.0%	90.0%
S18	4	67		5.000	5.263	3	95.0%	
S18	4	68	8.000	7.000	8.000	3	100.0%	87.5%
S18	4	81		4.000	4.211	3	95.0%	
S18	4	82		4.000	4.211	3	95.0%	
S18	4	83		3.000	4.286	1	70.0%	
S18	4	84		1.000	1.053	3	95.0%	
S18	4	85		23.000	24.211	3	95.0%	
S18	4	86		4.000	4.762	2	84.0%	
S18	4	87		3.000	4.286	1	70.0%	
S18	4	88		1.000	1.053	3	95.0%	
S18	4	101		5.000	5.263	3	95.0%	
S18	4	102	8.000	3.000	8.000	3	100.0%	37.5%
S18	4	103		0.000	0.000	2	84.0%	
S18	4	104		2.000	2.381	2	84.0%	
S18	4	105		3.000	3.158	3	95.0%	
S18	4	106		9.000	9.474	3	95.0%	
S18	4	107		7.000	7.368	3	95.0%	
S18	4	108		6.000	6.316	3	95.0%	
S18	4	109		3.000	3.571	2	84.0%	
S18	4	121		19.000	20.000	3	95.0%	
S18	4	122		6.000	6.316	3	95.0%	
S18	4	123	9.000	5.000	9.000	2	100.0%	55.6%
S18	4	124		4.000	4.762	2	84.0%	
S18	4	125		9.000	9.474	3	95.0%	
S18	4	126		10.000	11.905	2	84.0%	
S18	4	127		6.000	8.571	1	70.0%	
S18	4	128		5.000	5.952	2	84.0%	
S18	4	129		8.000	8.421	3	95.0%	
S18	4	130		9.000	9.474	3	95.0%	
S18	4	141	34.000	34.000	34.000	1	100.0%	100.0%
S18	4	142		11.000	13.095	2	84.0%	
S18	4	143	6.000	3.000	6.000	1	100.0%	50.0%

S18	4	144		6.000	7.143	2	84.0%	
S18	4	145		7.000	7.368	3	95.0%	
S18	4	146		15.000	15.789	3	95.0%	
S18	4	147		4.000	4.762	2	84.0%	
S18	4	148		6.000	6.316	3	95.0%	
S18	4	149		9.000	9.474	3	95.0%	
S18	4	150		9.000	9.474	3	95.0%	
S18	4	151		11.000	11.579	3	95.0%	
S18	4	152		9.000	9.474	3	95.0%	
S18	4	153	13.000	11.000	13.000	3	100.0%	84.6%
S18	4	161	24.000	20.000	24.000	1	100.0%	83.3%
S18	4	162		17.000	20.238	2	84.0%	
S18	4	163		10.000	14.286	1	70.0%	
S18	4	164		8.000	8.421	3	95.0%	
S18	4	165		10.000	11.905	2	84.0%	
S18	4	166		9.000	10.714	2	84.0%	
S18	4	167		7.000	8.333	2	84.0%	
S18	4	168		7.000	7.368	3	95.0%	
S18	4	169		5.000	5.263	3	95.0%	
S18	4	170	7.000	5.000	7.000	3	100.0%	71.4%
S18	4	171		7.000	7.368	3	95.0%	
S18	4	172		10.000	10.526	3	95.0%	
S18	4	173		8.000	8.421	3	95.0%	
S18	4	174		3.000	3.158	3	95.0%	
S18	4	181		4.000	5.714	1	70.0%	
S18	4	182		4.000	5.714	1	70.0%	
S18	4	183		6.000	7.143	2	84.0%	
S18	4	184		6.000	8.571	1	70.0%	
S18	4	185		10.000	11.905	2	84.0%	
S18	4	186	21.000	17.000	21.000	3	100.0%	81.0%
S18	4	187		9.000	9.474	3	95.0%	
S18	4	188		7.000	8.333	2	84.0%	
S18	4	189		5.000	5.952	2	84.0%	
S18	4	190		7.000	7.368	3	95.0%	
S18	4	191		6.000	6.316	3	95.0%	
S18	4	192		5.000	7.143	1	70.0%	
S18	4	193		4.000	5.714	1	70.0%	
S18	4	194		3.000	4.286	1	70.0%	
S18	4	201		3.000	4.286	1	70.0%	
S18	4	202		3.000	4.286	1	70.0%	
S18	4	203		2.000	2.857	1	70.0%	
S18	4	204		9.000	10.714	2	84.0%	
S18	4	205	14.000	5.000	14.000	1	100.0%	35.7%
S18	4	206		4.000	5.714	1	70.0%	
S18	4	207		11.000	11.579	3	95.0%	
S18	4	208		7.000	7.368	3	95.0%	
S18	4	209		4.000	4.211	3	95.0%	
S18	4	210		9.000	9.474	3	95.0%	
S18	4	211		9.000	9.474	3	95.0%	
S18	4	212		6.000	7.143	2	84.0%	
S18	4	213	9.000	6.000	9.000	1	100.0%	66.7%
S18	4	222		5.000	7.143	1	70.0%	
S18	4	223		4.000	5.714	1	70.0%	
S18	4	224		3.000	4.286	1	70.0%	
S18	4	225		5.000	7.143	1	70.0%	
S18	4	226		14.000	16.667	2	84.0%	

S18	4	227		8.000	8.421	3	95.0%	
S18	4	228		3.000	3.158	3	95.0%	
S18	4	229		6.000	7.143	2	84.0%	
S18	4	230		6.000	7.143	2	84.0%	
S18	4	231		4.000	4.211	3	95.0%	
S18	4	232		2.000	2.381	2	84.0%	
S18	4	233		1.000	1.053	3	95.0%	
S18	4	243		3.000	4.286	1	70.0%	
S18	4	244		5.000	7.143	1	70.0%	
S18	4	245		7.000	10.000	1	70.0%	
S18	4	246		3.000	4.286	1	70.0%	
S18	4	247		9.000	9.474	3	95.0%	
S18	4	248		10.000	10.526	3	95.0%	
S18	4	249		14.000	14.737	3	95.0%	
S18	4	250		14.000	14.737	3	95.0%	
S18	4	251		4.000	4.762	2	84.0%	
S18	4	252	7.000	2.000	7.000	2	100.0%	28.6%
S18	4	253		0.000	0.000	3	95.0%	
S18	4	264		4.000	5.714	1	70.0%	
S18	4	265		2.000	2.857	1	70.0%	
S18	4	266		5.000	7.143	1	70.0%	
S18	4	267		1.000	1.429	1	70.0%	
S18	4	268		7.000	7.368	3	95.0%	
S18	4	269		13.000	13.684	3	95.0%	
S18	4	270		11.000	11.579	3	95.0%	
S18	4	271		8.000	8.421	3	95.0%	
S18	4	272		12.000	12.632	3	95.0%	
S18	4	273		9.000	9.474	3	95.0%	
S18	4	274		4.000	5.714	1	70.0%	
S18	4	285		9.000	12.857	1	70.0%	
S18	4	286	15.000	10.000	15.000	1	100.0%	66.7%
S18	4	287		5.000	7.143	1	70.0%	
S18	4	288		6.000	7.143	2	84.0%	
S18	4	289		13.000	13.684	3	95.0%	
S18	4	290		14.000	14.737	3	95.0%	
S18	4	291		13.000	13.684	3	95.0%	
S18	4	292		8.000	8.421	3	95.0%	
S18	4	293		7.000	8.333	2	84.0%	
S18	4	294		4.000	5.714	1	70.0%	
S18	4	295		5.000	5.952	2	84.0%	
S18	4	306	11.000	6.000	11.000	1	100.0%	54.5%
S18	4	307		6.000	8.571	1	70.0%	
S18	4	308		10.000	14.286	1	70.0%	
S18	4	309	21.000	15.000	21.000	2	100.0%	71.4%
S18	4	310	16.000	18.000	16.000	3	100.0%	112.5%
S18	4	311		29.000	30.526	3	95.0%	
S18	4	312		18.000	18.947	3	95.0%	
S18	4	313		8.000	8.421	3	95.0%	
S18	4	314		66.000	69.474	3	95.0%	
S18	4	315		10.000	10.526	3	95.0%	
S18	4	316		8.000	8.421	3	95.0%	
S18	4	327		4.000	5.714	1	70.0%	
S18	4	328		3.000	4.286	1	70.0%	
S18	4	329		9.000	12.857	1	70.0%	
S18	4	330	16.000	11.000	16.000	2	100.0%	68.8%
S18	4	331		32.000	33.684	3	95.0%	

S18	4	332		17.000	17.895	3	95.0%	
S18	4	333		46.000	48.421	3	95.0%	
S18	4	334		6.000	6.316	3	95.0%	
S18	4	335		9.000	9.474	3	95.0%	
S18	4	336		13.000	13.684	3	95.0%	
S18	4	337		5.000	5.263	3	95.0%	
S18	4	348		10.000	14.286	1	70.0%	
S18	4	349		9.000	10.714	2	84.0%	
S18	4	350	10.000	7.000	10.000	3	100.0%	70.0%
S18	4	351		24.000	25.263	3	95.0%	
S18	4	352		17.000	17.895	3	95.0%	
S18	4	353		21.000	22.105	3	95.0%	
S18	4	354		14.000	14.737	3	95.0%	
S18	4	355		1.000	1.053	3	95.0%	
S18	4	356		5.000	5.263	3	95.0%	
S18	4	369	28.000	22.000	28.000	2	100.0%	78.6%
S18	4	370	40.000	23.000	40.000	2	100.0%	57.5%
S18	4	371	21.000	18.000	21.000	2	100.0%	85.7%
S18	4	372	31.000	35.000	31.000	3	100.0%	112.9%
S18	4	373		17.000	17.895	3	95.0%	
S18	4	374	25.000	18.000	25.000	2	100.0%	72.0%
S18	4	375	36.000	27.000	36.000	2	100.0%	75.0%
S18	4	390		13.000	13.684	3	95.0%	
S18	4	391	26.000	24.000	26.000	2	100.0%	92.3%
S18	4	392	193.000	172.000	193.000	2	100.0%	89.1%
S18	4	393		43.000	45.263	3	95.0%	
S18	4	394		16.000	16.842	3	95.0%	
S18	4	411		28.000	29.474	3	95.0%	
S18	4	412		14.000	14.737	3	95.0%	
S18	4	413	20.000	15.000	20.000	2	100.0%	75.0%
S18	4	432		49.000	51.579	3	95.0%	
S18	4	601		9.000	10.714	2	84.0%	
S18	4	602		5.000	7.143	1	70.0%	
S18	4	603	11.000	9.000	11.000	2	100.0%	81.8%
S18	4	604	22.000	19.000	22.000	2	100.0%	86.4%
S18	4	605	51.000	51.000	51.000	2	100.0%	100.0%
S18	4	606		10.000	10.526	3	95.0%	
S18	4	607		23.000	24.211	3	95.0%	
S18	4	608		9.000	12.857	1	70.0%	
S18	4	609		5.000	7.143	1	70.0%	
S18	4	610		5.000	7.143	1	70.0%	
S18	4	611		8.000	11.429	1	70.0%	
S18	4	612	7.000	2.000	7.000	1	100.0%	28.6%
S18	4	613		7.000	10.000	1	70.0%	
S18	4	614		8.000	11.429	1	70.0%	
S18	4	615		12.000	17.143	1	70.0%	
S18	4	616		5.000	7.143	1	70.0%	
S18	4	617		4.000	5.714	1	70.0%	
S18	4	618		0.000	0.000	1	70.0%	
S18	4	619		3.000	4.286	1	70.0%	
S18	4	620		6.000	8.571	1	70.0%	
S18	4	621	7.000	4.000	7.000	1	100.0%	57.1%
S18	4	701		9.000	9.474	3	95.0%	
S18	4	702		11.000	11.579	3	95.0%	
S18	4	703		5.000	5.263	3	95.0%	
S18	4	704		4.000	4.211	3	95.0%	

S18	4	705		4.000	4.762	2	84.0%	
S18	4	706		3.000	4.286	1	70.0%	
S18	4	707		2.000	2.381	2	84.0%	
S18	4	708	8.000	6.000	8.000	1	100.0%	75.0%
S18	4	709		6.000	8.571	1	70.0%	
S18	4	710		5.000	7.143	1	70.0%	
S18	4	801		6.000	6.316	3	95.0%	
S18	4	802		4.000	4.211	3	95.0%	
S18	4	803		9.000	9.474	3	95.0%	
S18	4	804		7.000	8.333	2	84.0%	
S18	4	805		6.000	8.571	1	70.0%	
S18	4	806		4.000	4.762	2	84.0%	
S18	4	807		5.000	5.263	3	95.0%	
S18	4	808		2.000	2.857	1	70.0%	
S18	4	809		3.000	4.286	1	70.0%	
S18	4	810	6.000	0.000	6.000	1	100.0%	0.0%
S18	4	811		2.000	2.857	1	70.0%	
S18	4	812		2.000	2.857	1	70.0%	
S18	4	813	5.000	4.000	5.000	3	100.0%	80.0%
S18	4	1001	15.000	9.000	15.000	3	100.0%	60.0%
S18	4	1002	8.000	2.000	8.000	2	100.0%	25.0%
	mean		21.1538	9.6598	11.2832		87.9%	11.4%


45000.
42500.
S-18-1
S-18-4
13' x 13' Square
Toes on 10' Centers
S-18-3

Pit-Bench-Pattern #
5-18-4

Submittal Date
6-5-91 3:17 pm
6-6-91 8:30 am *

READY BOLE

Rot BoCH Shale
and
FIRE DETERMINATIONS

①

DATE: 6-7-91
NAME: MM

	SAMPLE	FIRE Au.	BoCH Au.		SAMPLE	FIRE Au.	BoCH Au.
1.	1		.013	25.	Standard ✓		.015
2.	2		.004	26.	67		.005
3.	21		.003	27.	68-1	.008	.006
4.	22		.006	28.	68-2		.007
5.	23		.004	29.	701		.009
6.	24		.004	30.	702		.011
7.	41		.002	31.	703		.005
8.	Standard ✓		.014	32.	704		.004
9.	42		.002	33.			
10.	43		.003	34.			
11.	44	.006	.006	35.	705		.004
12.	45		.007	36.	706		.003
13.	46		.004	37.	707		.002
14.	47		.004	38.	708	.008	.006
15.	48		.015	39.	709		.006
16.				40.	710		.005
17.				41.	222		.005 *
18.	57		.030	42.	Standard ✓		.014
19.	61		.004	43.	223		.004
20.	62		.002	44.	224		.003
21.	63		.003	45.	225		.005
22.	64		.002	46.	226		.014
23.	65		.008	47.	227		.008
24.	66	.010	.009	48.			

TS

✓

×

Pit-Bench-Pattern #
S-18-4

Submittal Date
6-5-91 8:44 am

BLADE SOLE

Not BoCN Shale
and
FIRE DETERMINATIONS

BoCN

(1)

DATE: 6-6-91

NAME: MM

	SAMPLE	FIRE Au.	BoCN Au.		SAMPLE	FIRE Au.	BoCN Au.
1.	81		.004	25.	Standard ✓		.014
2.	82		.004	26.	124		.004
3.	83		.003	27.	125		.009
4.	84		.001	28.	126		.010
5.	85		.023	29.	127		.006
6.	86		.004	30.	128		.005
7.	87		.003	31.	129		.008
8.	Standard ✓		.014	32.	130		.009
9.	88		.001	33.			
10.	87		.029	34.			
11.	101		.005	35.	141-1	.034	.036
12.	102	.008	.003	36.	141-2		.032
13.	103		nil	37.	142		.011
14.	104		.002	38.	143	.006	.003
15.	105		.003	39.	144		.006
16.				40.	145		.007
17.				41.	146		.015
18.	106		.009	42.	Standard ✓		.014
19.	107		.007	43.	147		.004
20.	108		.006	44.	148		.006
21.	109		.003	45.	149		.009
22.	121		.019	46.	150		.009
23.	122		.006	47.	151		.011
24.	123	.009	.005	48.			

.034

TS ✓

Pit-Bench-Pattern #
S-18-4

Submittal Date
6-5-91 8:44 AM (Gold)
2:09 PM +

BLADE GOLD

Set ReCH Blade
and
FIRE DETERMINATIONS

(2)

DATE: 6-6-91

NAME: MM

	SAMPLE	FIRE Au.	ReCH Au.		SAMPLE	FIRE Au.	ReCH Au.
1.	152		.009	25.	Standard ✓		.015
2.	153	.013	.011	26.	185		.010
3.	161	.024	.020	27.	186	.021	.017
4.	162		.017	28.	187		.009
5.	163		.010	29.	188		.007
6.	164		.008	30.	189		.005
7.	165		.010	31.	1002-1	.008	.002
8.	Standard ✓		.015	32.	1002-2		.002
9.	166		.009	33.			
10.	167		.007	34.			
11.	168		.007	35.	228		.003 *
12.	169		.005	36.	229		.006
13.	170	.007	.005	37.	230		.006
14.	171		.007	38.	231		.004
15.	172		.010	39.	232		.002
16.				40.	233		.001
17.				41.	243		.003
18.	173		.008	42.	Standard ✓		.013
19.	174		.003	43.	244		.005
20.	V7		.027	44.	245		.007
21.	181		.004	45.	246		.003
22.	182		.004	46.	247		.009
23.	183		.006	47.	248		.010
24.	184		.006	48.	Std —		.014

TS ✓

X