BLAST HOLE ORE TYPE

PATTERN D-19-4 DATE 9/13/91

NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI
556		X		13				38				63			
557		X		14				39				64			
558			X	15				40				65			
559			X	16				41				66			
560			X	17				42				67			
561			X	18				43				68			
562			X	19				44				69			
563			X	20				45				70			
564			X	21				46				71			
565			X	22				47				72			
566			X	23				48				73			
567			X	24				49				74			
1001		X		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			
12				37				62				87			

BLAST HOLE ORE TYPE

PATTERN D194 DATE 9/12/91

NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI
21	X			128		X		210			X	513		X	
22	X			129			X	211			X	515		X	
42	X			130		X		212			X	517		X	
43	X			131			X	213			X	519	X		
61	X			146			X	230			X	521	X		
62	X			147		X		231			X	523	X		
63	X			148			X	232			X	525	X		
64		X		149		X		233			X	527	X		
83	X			150		X		251		X		529	X		
84	X			151			X	252			X	530	X		
85		X		152			X	253		X		531	X		
86		X		167		X		142		X		532	X		
87			X	168			X	182		X		533		X	
88			X	169			X	220	X	/		534		X	
89			X	170			X	222		X		535		X	
104	X			171			X	~~223~~				536			X
105		X		172			X	260	X			537			X
106		X		173			X	262		X		538			X
107		X		188			X	302		X		539			X
108			X	189			X	501	X			540			X
109			X	190			X	503	X			541			X
110			X	191			X	505	X			542			X
125		X		192			X	507	X			102	X		
126		X		193			X	509	X			1			
127			X	209			X	511		X		2			

E.O.P.

~~BLAST HOLE~~ ORE TYPE

PATTERN D194 DATE 9/16/91

NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI	NO.	SUL	MIX	OXI
1	X			111			X	510		X		14			
2	X			112			X	512		X		15			
23		X		121		X		514		X		16			
24		X		122		X		516		X		17			
25		X		132			X	518		X		18			
41	X	X		133			X	520	X			19			
44		X		141		X		522	X			20			
45		X		153			X	524	X			21			
46			X	161		X		526	X			22			
47			X	162		X		500	X			23			
48			X	181		X		499	X			24			
65			X	201		X						25			
66			X	202		X		1				26			
67			X	221		X		2				27			
68			X	241		X		3				28			
69			X	242	X			4				29			
70			X	261		X		5				30			
81	X			281		X		6				31			
82	X			282		X		7				32			
90			X	301		X		8				33			
91			X	322		X		9				34			
92			X	502	X			10				35			
93			X	504	X			11				36			
101	X			506	X			12				37			
102	X			508	X			13				38			

Pit-Bench-Pattern #
D-19-4
Submittal Date
9-11-91 10:41 am

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

(2)

DATE: 9-12
NAME: MM

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	43		.012	25.	Standard ✓		.015
2.	61		.039	26.	125		.015
3.	62		.035	27.	126		.020
4.	63		.048	28.	127		.015
5.	64		.214	29.	128		.033
6.	83		.018	30.	129		.044
7.	84		.021	31.	130		.031
8.	Standard ✓		.015	32.	131		.125
9.	85		.037	33.	[redacted]		
10.	86		.082	34.			
11.	87		.030	35.	146		.035
12.	88		.021	36.	147		.024
13.	89-1		.015	37.	148		.034
14.	89-2		.014	38.	149		.016
15.	97		.026	39.	150		.030
16.	[redacted]			40.	151		.022
17.				41.	152		.051
18.	104		.015	42.	Standard ✓		.015
19.	105		.017	43.	167		.033
20.	106		.022	44.	168		.013
21.	107		.015	45.	169		.010
22.	108		.023	46.	170		.081
23.	109		.023	47.	171		.082
24.	110		[illegible]	48.			

✓

X

Pit-Bench-Pattern #
D-19-4 EOP
Submittal Date
9/13/91 10:35A

(2)

BLAST HOLE

Hot HeCN Shake
and
FIRE DETERMINATIONS

DATE: 9/16/91
NAME: MW/TS

	SAMPLE	FIRE Au.	HeCN Au.		SAMPLE	FIRE Au.	HeCN Au.
1.	91		.023	25.	Standard ✓		.015
2.	92		.033	26.	242		.047
3.	93		.058	27.	261		.025
4.	101		.010	28.	281		.021
5.	111		.019	29.	282		.032
6.	112		.016	30.	301		.020
7.	V7		.025	31.	322		.019
8.	Standard ✓		.014	32.	499		.030
9.	121		.008	33.	[redacted]		
10.	122		.014	34.			
11.	132		.021	35.	500		.051
12.	133		.021	36.	502		.031
13.	141-1		.018	37.	504		.035
14.	141-2		.019	38.	506		.013
15.	153		.082	39.	508		.008
16.	[redacted]			40.	510		.025
17.				41.	512		.009
18.	161		.007	42.	Standard ✓		.014
19.	162		.009	43.	514		.009
20.	181		.015	44.	516		.009
21.	201		.045	45.	518		.017
22.	202		.041	46.	520		.015
23.	221		.044	47.	522		.014
24.	241		.041	48.	524		.053
				49	526		.027 ✓

X

Pit-Bench-Pattern #
D-19-4
Submittal Date
9-11-91 1:4A P
* 10:41

BLAST HOLE (1)

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 9-12
NAME: MM

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	102		.017	25.	Standard ✓		.015
2.	142		.012	26.	523		.024
3.	182		.015	27.	525		.071
4.	220		.029	28.	527		.036
5.	222		.020	29.	529		.021
6.	260		.039	30.	530		.016
7.	262		.031	31.	531		.020
8.	Standard ✓		.015	32.	532		.011
9.	302		.091	33.	[redacted]		
10.	V7		.027	34.			
* 11.	501-1		.020	35.	533		.022
12.	501-2		.019	36.	534		.029
13.	503		.016	37.	535		.009
14.	505		.012	38.	536		.016
15.	507		.023	39.	537		.015
16.	[redacted]			40.	538		.016
17.				41.	539		.015
18.	509		.010	42.	Standard ✓		.015
19.	511		.008	43.	540		.013
20.	513		.008	44.	542		.030
21.	515		.015	45.	21		.016
22.	517		.011	46.	22		.016
23.	519		.028	47.	42		.017
24.	521		.016	48.			

✓

X

Pit-Bench-Pattern #
D-19-4
Submittal Date
9-12-91 10:51a

BLAST HOLE

Hot NaCN Shake
and
FIRE DETERMINATIONS

(1)

DATE: 9-13
NAME: MM

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	103		.012	25.	Standard ✓		.015
2.	123		.017	26.	207		.022
3.	124		.014	27.	208		.014
4.	143		.006	28.	223		.024
5.	144		.009	29.	224		.009
6.	145		.011	30.	225		.030
7.	163		.022	31.	226		.015
8.	Standard ✓		.015	32.	227		.023
9.	164		.019	33.			
10.	165		.012	34.			
11.	166		.024	35.	228		.014
12.	183		.013	36.	229		.015
13.	184		.081	37.	243		.224
14.	185		.020	38.	244		.026
15.	186		.012	39.	245		.023
16.				40.	246		.025
17.				41.	247		.062
18.	187-1		.019	42.	Standard ✓		.015
19.	187-2		.020	43.	248		.048
20.	✓7		.028	44.	249		.042
21.	203		.029	45.	250		.009
22.	204		.022	46.	264		.055
23.	205		.024	47.	265		.015
24.	206		.021	48.			

Pit-Bench-Pattern #
D-19-4
Submittal Date
9-11-91 10:41 am

BLAST [illegible] (3)

[illegible] NaCN Shake
and
FIRE DETERMINATIONS

DATE: 9-12
NAME: MM

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	172		.020	25.	Standard ✓		.015
2.	173		.028	26.			
3.	188		.007	27.			
4.	189		.010	28.			
5.	190		.013	29.			
6.	191		.028	30.			
7.	192		.011	31.			
8.	Standard ✓		.015	32.			
9.	193		.010	33.			
10.	✓7		.027	34.			
11.	209		.019	35.			
12.	210		.004	36.			
13.	211		.008	37.			
14.	212		.012	38.			
15.	213		.028	39.			
16.				40.			
17.				41.			
18.	230		.005	42.	Standard ✓		
19.	231		.008	43.			
20.	232		.012	44.			
21.	233		.014	45.			
22.	251		.011	46.			
23.	252		.011	47.			
24.	253		.015	48.			

Pit-Bench-Pattern #
D-19-4
Submittal Date
9/12/91 - 9/13/91 4:39p 10:35p*

① BLAST HOLE

Hot NaCN Shake and FIRE DETERMINATIONS

DATE: 9/16/91
NAME: MW/TS

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	263		.018	25.	Standard ✓		.015
2.	283		.019	26.	2		.016
3.	284		.020	27.	23		.033
4.	303		.054	28.	24		.027
5.	304		.071	29.	25		.032
6.	305		.030	30.	41		.032
7.	V7		.029	31.	44		.013
8.	Standard ✓		.015	32.	45		.018
9.	323		.042	33.			
10.	324		.064	34.			
11.	325		.048	35.	46		.021
12.	326		.014	36.	47		.017
13.	343		.018	37.	48		.022
14.	344		.034	38.	65		.024
15.	345		.028	39.	66		.031
16.				40.	67		.064
17.				41.	68		.024
18.	346		.039	42.	Standard ✓		.014
19.	347		.022	43.	69		.030
20.	365		.026	44.	70		.026
21.	366		.041	45.	81		.015
22.	367-1		.019	46.	82		.024
23.	367-2		.019	47.	90		.016
* 24.	1		.041	48.			

Pit-Bench-Pattern #
D-19-4
Submittal Date
9-12-91

BLAST HOLE (3)

Hot NaCN Shake
and
FIRE DETERMINATIONS

DATE: 9-13
NAME: MM

	SAMPLE	FIRE Au.	NaCN Au.		SAMPLE	FIRE Au.	NaCN Au.
1.	550		.065	25.	Standard ✓		
2.	551		.048	26.			
3.	552		.030	27.			
4.	553		.027	28.			
5.	554		.071	29.			
6.	555		.030	30.			
7.	556		.016	31.			
8.	Standard ✓		.015	32.			
9.	557		.010	33.			
10.	558		.009	34.			
11.	559		.008	35.			
12.	560		.013	36.			
13.	561		.020	37.			
14.	562		.013	38.			
15.	563		.012	39.			
16.				40.			
17.				41.			
18.	564		.018	42.	Standard ✓		
19.	565		.023	43.			
20.	566		.019	44.			
21.	567		.026	45.			
22.	r7		.028	46.			
23.	1001-1		.022	47.			
24.	1001-2		.025	48.			

D-19-5

D-19-5 FEB. 11, 1992 JR

14 no	shot no	bh no	fire au	aa au	fire equiv (aa/ratio)	ore type	ratio	actual ratio (aa/fire)
		0						
0	2195	0			0.000		95.0%	
D19	5	3		32.000	38.095	2	84.0%	
D19	5	4	12.000	10.000	12.000	2	100.0%	83.3%
D19	5	22	17.000	14.000	17.000	2	100.0%	82.4%
D19	5	23	14.000	11.000	14.000	2	100.0%	78.6%
D19	5	24	19.000	13.000	19.000	2	100.0%	68.4%
D19	5	25		5.000	5.952	2	84.0%	
D19	5	26	12.000	9.000	12.000	2	100.0%	75.0%
D19	5	27	17.000	14.000	17.000	2	100.0%	82.4%
D19	5	28	12.000	8.000	12.000	2	100.0%	66.7%
D19	5	29		5.000	5.952	2	84.0%	
D19	5	41	17.000	10.000	17.000	1	100.0%	58.8%
D19	5	42		8.000	11.429	1	70.0%	
D19	5	43		8.000	11.429	1	70.0%	
D19	5	44	16.000	12.000	16.000	2	100.0%	75.0%
D19	5	45	13.000	9.000	13.000	1	100.0%	69.2%
D19	5	46	18.000	12.000	18.000	2	100.0%	66.7%
D19	5	47	12.000	6.000	12.000	2	100.0%	50.0%
D19	5	48		4.000	4.762	2	84.0%	
D19	5	49		6.000	7.143	2	84.0%	
D19	5	50		5.000	7.143	1	70.0%	
D19	5	64	19.000	13.000	19.000	1	100.0%	68.4%
D19	5	65	17.000	12.000	17.000	1	100.0%	70.6%
D19	5	66	17.000	12.000	17.000	2	100.0%	70.6%
D19	5	67	12.000	10.000	12.000	2	100.0%	83.3%
D19	5	68	10.000	7.000	10.000	2	100.0%	70.0%
D19	5	69	14.000	10.000	14.000	1	100.0%	71.4%
D19	5	70	12.000	9.000	12.000	2	100.0%	75.0%
D19	5	84	34.000	28.000	34.000	2	100.0%	82.4%
D19	5	85	14.000	10.000	14.000	1	100.0%	71.4%
D19	5	86	18.000	13.000	18.000	2	100.0%	72.2%
D19	5	87	25.000	20.000	25.000	2	100.0%	80.0%
D19	5	88	17.000	12.000	17.000	2	100.0%	70.6%
D19	5	89	14.000	9.000	14.000	2	100.0%	64.3%
D19	5	90	15.000	11.000	15.000	2	100.0%	73.3%
D19	5	104		11.000	15.714	1	70.0%	
D19	5	105		21.000	30.000	1	70.0%	
D19	5	106	23.000	18.000	23.000	1	100.0%	78.3%
D19	5	107	19.000	14.000	19.000	2	100.0%	73.7%
D19	5	108		8.000	9.524	2	84.0%	
D19	5	109		10.000	11.905	2	84.0%	
D19	5	110		9.000	10.714	2	84.0%	
D19	5	124	21.000	14.000	21.000	1	100.0%	66.7%
D19	5	125	33.000	25.000	33.000	1	100.0%	75.8%
D19	5	126	19.000	13.000	19.000	1	100.0%	68.4%
D19	5	127	16.000	10.000	16.000	1	100.0%	62.5%
D19	5	128		7.000	10.000	1	70.0%	
D19	5	129	29.000	13.000	29.000	2	100.0%	44.8%
D19	5	130	18.000	12.000	18.000	2	100.0%	66.7%
D19	5	144		8.000	11.429	1	70.0%	
D19	5	145	16.000	12.000	16.000	1	100.0%	75.0%
D19	5	146	16.000	11.000	16.000	1	100.0%	68.8%
D19	5	147		8.000	11.429	1	70.0%	

D19	5	148		8.000	11.429	1	70.0%	
D19	5	149		8.000	11.429	1	70.0%	
D19	5	150	21.000	15.000	21.000	2	100.0%	71.4%
D19	5	164	18.000	11.000	18.000	1	100.0%	61.1%
D19	5	165	14.000	11.000	14.000	1	100.0%	78.6%
D19	5	166	20.000	13.000	20.000	1	100.0%	65.0%
D19	5	167	19.000	14.000	19.000	2	100.0%	73.7%
D19	5	168	25.000	19.000	25.000	2	100.0%	76.0%
D19	5	169		9.000	10.714	2	84.0%	
D19	5	170		2.000	2.381	2	84.0%	
D19	5	184	17.000	15.000	17.000	1	100.0%	88.2%
D19	5	185	11.000	6.000	11.000	1	100.0%	54.5%
D19	5	186	17.000	16.000	17.000	2	100.0%	94.1%
D19	5	187	22.000	18.000	22.000	2	100.0%	81.8%
D19	5	188		2.000	2.381	2	84.0%	
D19	5	189		5.000	5.952	2	84.0%	
D19	5	501	10.000	9.000	10.000	1	100.0%	90.0%
D19	5	502	13.000	10.000	13.000	1	100.0%	76.9%
D19	5	503	16.000	10.000	16.000	1	100.0%	62.5%
D19	5	504	18.000	11.000	18.000	1	100.0%	61.1%
D19	5	505		9.000	12.857	1	70.0%	
D19	5	506		12.000	17.143	1	70.0%	
D19	5	507		14.000	20.000	1	70.0%	
D19	5	508		10.000	14.286	1	70.0%	
D19	5	509		7.000	10.000	1	70.0%	
D19	5	510		17.000	24.286	1	70.0%	
D19	5	511		25.000	35.714	1	70.0%	
D19	5	512		36.000	51.429	1	70.0%	
D19	5	513	23.000	13.000	23.000	1	100.0%	56.5%
D19	5	514	17.000	10.000	17.000	1	100.0%	58.8%
D19	5	515	13.000	6.000	13.000	1	100.0%	46.2%
D19	5	516	10.000	3.000	10.000	1	100.0%	30.0%
	mean		17.2407	11.6071	16.2336		91.3%	45.1%