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08. 07. 90 04:08 PM *Barringer Labs, Inc. P01

319

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BARRINGER LABORATORIES INC.

16000 W. 8TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687

ITEM 78

1455 DEMING WAY, SUITE 15
SPARKS, NEVADA 89431
PHONE: (702) 368-1158

7-Aug-90

Ms. Pat Picune
Gold Fields Mining Corp.
200 Union Blvd.
Suite 500
Lakewood, CO. 80228

Page: 1
Copy: 1 of 3
Set: 1

Attn: P. Picune
Project:

Received: 31-Jul-90 19:17

PO #: L-5001

Job: 902264R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-1 0-5	0.3	8
PY-1 5-10	0.6	21
PY-1 10-15	0.1	114
PY-1 15-20	<0.1	24
PY-1 20-25	0.1	23
PY-1 25-30	0.7	59
PY-1 30-35	0.1	20
PY-1 35-40	<0.1	18
PY-1 40-45	0.1	24
PY-1 45-50	0.2	30
PY-1 50-55	0.4	33
PY-1 55-60	2	34
PY-1 60-65	1.8	43
PY-1 65-70	0.5	44
PY-1 70-75	0.2	6
PY-1 75-80	0.2	27
PY-1 80-85	0.6	28
PY-1 85-90	1.1	33
PY-1 90-95	16.2	161
PY-1 95-100	10.5	169
PY-1 100-105	8.8	121
PY-1 105-110	14.8	94
PY-1 110-115	5.9	78
PY-1 115-120	1.1	15
PY-1 120-125	1.6	14
PY-1 125-130	0.3	12
PY-1 130-135	0.2	15
PY-1 135-140	0.4	22
PY-1 140-145	1.3	40
PY-1 145-150	0.7	30

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AUG - 7 1990

GFMC - SPARKS

Gold Fields disclaims responsibility for the accuracy of these core(s), log(s), assays(s) and/or other document(s).

PY-1 0'-220'

PROJECT AREA Pyramid
 STATE NV
 COUNTY Washoe

ADVANCED TECHNIQUES AND INSTRUMENTATION FOR THE EARTH SCIENCES

08.07.90 04:08 PM *Barringer Labs, Inc. P02



BARRINGER LABORATORIES INC.

15000 W. 8TH AVE., SUITE 300
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PHONE: (303) 277-1667

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Lakewood, CO. 80228

7-Aug-90

Page: 2
Copy: 1 of 3
Set : 1

Attn: P. Picune
Project:

Received: 31-Jul-90 19:17

PO #: L-5001

Job: 902264R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-1 150-155	3	75
PY-1 155-160	0.8	25
PY-1 160-165	14.8	1337
PY-1 165-170	3.5	130
PY-1 170-175	0.4	28
PY-1 175-180	2.7	97
PY-1 180-185	1.3	34
PY-1 185-190	4.1	105
PY-1 190-195	1.6	92
PY-1 195-200	3.8	106
PY-1 200-205	2.5	123
PY-1 205-210	6.3	720
PY-1 210-215	3	197
PY-1 215-220	3.8	132

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16000 W. 8TH AVE., SUITE 300
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PHONE: (303) 277-1687

1466 DEMING WAY, SUITE 15
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Lakewood, CO. 80228

7-Aug-90

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Project:

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PO #: L-5001

Job: 902264R

Status: Final

Abbreviations:

Parameters:

Ag : Silver
Au : Gold

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Methods:

AA : Atomic Absorption
FA/AA : Fire Assay with AA finish

Units:

ppm : Parts per million
ppb : Parts per billion

Quality control:

< : less than

Signed:

.....
Vernon K. Peterson
Laboratory Manager

cc: Mark Whitney, Gold Fields Mining

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Mark Whitney
Gold Fields Mining
331 Freeport Blvd
Sparks, NV. 89431

[Signature] 13-Aug-90

Page: 1
Copy: 3 of 3
Set : 1

Attn: Mark Whitney
Project:

Received: 31-Jul-90 14:27
PO #: L-5002

Job: 902325R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-1 220-225	5	397
PY-1 225-230	9	164
PY-1 230-235	6	112
PY-1 235-240	3.6	145
PY-1 240-245	4.4	116
PY-1 245-250	1.4	56
PY-1 250-255	1.7	41
PY-1 255-260	3.2	60
PY-1 260-265	0.5	22
PY-1 265-270	1.8	70
PY-1 270-275	0.7	31
PY-1 275-280	0.6	25
PY-1 280-285	1.3	39
PY-1 285-290	0.2	11
PY-1 290-295	1	22
PY-1 295-300	0.5	25
PY-1 300-305	1.6	42
PY-1 305-310	1.6	97
PY-1 310-315	7.6	529
PY-1 315-320	4.9	420
PY-1 320-325	0.8	66
PY-1 325-330	0.3	16
PY-1 330-335	0.4	14
PY-1 335-340	0.4	9
PY-1 340-345	0.6	21
PY-1 345-350	0.8	21
PY-1 350-355	0.8	14
PY-1 355-360	0.5	10
PY-1 360-365	0.4	11
PY-1 365-370	0.9	19

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GFMC - SPARKS

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PY-1 220'-560'

PROJECT AREA Pyramid
STATE Nev
COUNTY Washoe



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13-Aug-90

Page: 2
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Project:

Received: 31-Jul-90 14:27

PO #: L-5002

Job: 902325R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-1 370-375	1	19
PY-1 375-380	1.2	32
PY-1 380-385	0.6	18
PY-1 385-390	0.3	6
PY-1 390-395	0.1	<2
PY-1 395-400	0.1	<2
PY-1 400-405	0.3	10
PY-1 405-410	0.5	12
PY-1 410-415	0.2	4
PY-1 415-420	0.2	12
PY-1 420-425	0.3	10
PY-1 425-430	0.3	7
PY-1 430-435	0.1	14
PY-1 435-440	0.4	10
PY-1 440-445	0.2	4
PY-1 445-450	0.2	10
PY-1 450-455	0.3	22
PY-1 455-460	0.1	8
PY-1 460-465	0.1	7
PY-1 465-470	<0.1	6
PY-1 470-475	0.2	8
PY-1 475-480	0.2	8
PY-1 480-485	0.2	10
PY-1 485-490	0.4	10
PY-1 490-495	0.2	21
PY-1 495-500	0.2	12
PY-1 500-505	0.3	9
PY-1 505-510	0.3	11
PY-1 510-515	0.2	251
PY-1 515-520	0.3	13

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Project:

Received: 31-Jul-90 14:27
PO #: L-5002

Job: 902325R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au	
		FA/AA	ppb
PY-1 520-525	0.2	14	
PY-1 525-530	0.3	33	
PY-1 530-535	0.2	4	
PY-1 535-540	0.4	11	
PY-1 540-545	0.4	18	
PY-1 545-550	0.2	20	
PY-1 550-555	0.4	17	
PY-1 555-560	0.3	23	

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Page: 4
Copy: 3 of 3
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Abbreviations:

Parameters:

Ag : Silver
Au : Gold

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AA : Atomic Absorption
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Units:

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Quality control:

< : less than

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Signed:

Vernon K. Peterson
Laboratory Manager

GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')

LOCATION PYRAMID PROJECTHOLE NUMBER PY-1COORDINATES NW 1/4, SW 1/4, SW 1/4, S 1/4, Sec 15, T23N, R21EELEVATION 4550' BEARING N46°E INCLINATION -45° T.D. 560'DATE COMPLETED 8/1/90DATE LOGGED 1/31/82GEOLOGIST Whitney

*droopy tuff att
Clays calcite
limonite hematite
pyrite silica*

*graphic log
assays*

Gold Fields disclaims responsibility for the accuracy of these core(s), log(s), assays(s) and/or other document(s).

Sheet 1 of 3

description

....	AAA CCC LLL	HHH PPP SSS	8	Mixed dump and propyl. xl lithic tuff
....	AAA CCC LLL	HHH PPP SSS	21	propyl xl lith. tuff wk limon on fxs.
....	AAA CCC LLL	HHH PPP SSS	14	str propyl xl lith. tuff. 30% wh milky gr.
....	AAA CCC LLL	HHH PPP SSS	24	propyl xl lith. tuff
....	AAA CCC LLL	HHH PPP SSS	23	slate contour w/ red change
....	AAA CCC LLL	HHH PPP SSS	51	w/ wk-mod perv limon
....	AAA CCC LLL	HHH PPP SSS	20	w/ wk limon
....	AAA CCC LLL	HHH PPP SSS	18	"
....	AAA CCC LLL	HHH PPP SSS	24	mod propyl xl lith. tuff. wk limon
....	AAA CCC LLL	HHH PPP SSS	30	mod limon. 5% milky Si
....	AAA CCC LLL	HHH PPP SSS	33	str limon. 1% milky Si poss reductively
....	AAA CCC LLL	HHH PPP SSS	34	60% unox. Mod propyl xl lith. tuff. 40% oxid.
....	AAA CCC LLL	HHH PPP SSS	13	& above w/ narrow, wk hemat zone
....	AAA CCC LLL	HHH PPP SSS	44	50/50 oxid/unox xl lith. tuff. w/ few chips blk vfg Si
....	AAA CCC LLL	HHH PPP SSS	6	70% unox & above. No Si
....	AAA CCC LLL	HHH PPP SSS	27	wk propyl. xl-lith. tuff. 70% unox. few chips of pyr
....	AAA CCC LLL	HHH PPP SSS	28	mod prop xl-lith tuff. 70% oxid - str limon w/ ch
....	AAA CCC LLL	HHH PPP SSS	33	wk prop xl tuff. 70% unox, wk ch. few chips of pyr
....	AAA CCC LLL	HHH PPP SSS	161	& above w/ few chips of pyr. few vfg eggs.
....	AAA CCC LLL	HHH PPP SSS	169	mod prop xl tuff. ox on fxs. wt pyr dist in fxs. wk ch
....	AAA CCC LLL	HHH PPP SSS	121	No propyl. unox tuff. str limon on fxs. no pyr.
....	AAA CCC LLL	HHH PPP SSS	94	very unox tuff and si. wt-mod chasm iff pyr
....	AAA CCC LLL	HHH PPP SSS	78	is ab w/ 50% chips w/ gray ch. cont.
....	AAA CCC LLL	HHH PPP SSS	15	gray/grey chasm tuff. should gray & phenos? mod gray chasm ffxs
....	AAA CCC LLL	HHH PPP SSS	14	is above. sparse pyr.
....	AAA CCC LLL	HHH PPP SSS	12	is above.
....	AAA CCC LLL	HHH PPP SSS	15	is above. No pyr.
....	AAA CCC LLL	HHH PPP SSS	22	is ab. str chasm fxs
....	AAA CCC LLL	HHH PPP SSS	40	gray wt chasm xl tuff
....	AAA CCC LLL	HHH PPP SSS	20	is ab.
....	AAA CCC LLL	HHH PPP SSS	75	is above.
....	AAA CCC LLL	HHH PPP SSS	25	wt propyl xl tuff. mix w/ gray xl tuff. chasm fxs.
....	AAA CCC LLL	HHH PPP SSS	137	tuff is ab. wt propyl. sparse pyr.
....	AAA CCC LLL	HHH PPP SSS	130	is above.
....	AAA CCC LLL	HHH PPP SSS	28	is above
....	AAA CCC LLL	HHH PPP SSS	97	is above
....	AAA CCC LLL	HHH PPP SSS	34	is above. No pyr. wt arg.
....	AAA CCC LLL	HHH PPP SSS	105	is above. few Si chasm w/ pyr.
....	AAA CCC LLL	HHH PPP SSS	92	is above.
....	AAA CCC LLL	HHH PPP SSS	106	wt gray, wt propyl xl tuff. No Si/pyr.

GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')

HOLE NUMBER PY-1

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Propylitic
Clays
Calcite
Limonite
hematite
Pyrite
Silica

graphic log
assays Au-Pb

Sheet 2 of 3

description

...	AA	CCC	LLL	HHH	PPP	SSS	205	123	It gray/green wk arg w/ prop? xl tuff as above. clym/fxs No pyr.
...	AA	CCC	LLL	HHH	PPP	SSS	210	720	as above. Only fxs more abund.
...	AA	CCC	LLL	HHH	PPP	SSS	215	197	as above
...	AA	CCC	LLL	HHH	PPP	SSS	220	132	tuff as above. med grt w/o prop? less clym/fxs.
...	AA	CCC	LLL	HHH	PP	SSS	225	347	gry wk arg xl tuff 20% med Si & tuff w/ abund pyr
...	AA	CCC	LLL	HHH	PP	SSS	230	164	60% str silt f pyritic-tuff 40% tuff as ab.
...	AA	CCC	LLL	HHH	PP	SSS	235	112	tuff as ab. 10% gry Si & pyr tuff
...	AA	CCC	LLL	HHH	PP	SSS	240	145	15 ab.
...	AA	CCC	LLL	HHH	PP	SSS	245	116	tuff as ab. wk prop. <5% Si/pyr.
...	AA	CCC	LLL	HHH	PP	SSS	250	56	tuff as ab. wk prop. No Si/pyr <10% diss pyr
...	AA	CCC	LLL	HHH	PP	SSS	255	41	str silt as ab.
...	AA	CCC	LLL	HHH	PP	SSS	260	60	as ab.
...	AA	CCC	LLL	HHH	PP	SSS	265	22	30% as ab. 70% str prop. tuff
...	AA	CCC	LLL	HHH	PP	SSS	270	70	50/50 gry wk arg + mod prop tuff 5% gry Si/pyr
...	AA	CCC	LLL	HHH	PP	SSS	275	31	50% gry mod arg tuff 20% wk prop 10% gry Si/pyr
...	AA	CCC	LLL	HHH	PP	SSS	280	25	gry wk arg xl tuff
...	AA	CCC	LLL	HHH	PP	SSS	285	39	gry " xl tuff
...	AA	CCC	LLL	HHH	PP	SSS	290	11	wk arg/wk prop.
...	AA	CCC	LLL	HHH	PP	SSS	295	22	grt/tuff - mod propyl. sparse str silt pyr
...	AA	CCC	LLL	HHH	PP	SSS	300	25	as ab. few Si/pyr chips - contam?
...	AA	CCC	LLL	HHH	PP	SSS	305	42	gry wk arg xl tuff w/ wk dissident pyr. 1/2 chrys
...	AA	CCC	LLL	HHH	PP	SSS	310	97	gry tuff as ab. 1-3% Si/pyr chrys
...	AA	CCC	LLL	HHH	PP	SSS	315	52	30% chrys tuff 70% wk propyl 1-3% Si/pyr
...	AA	CCC	LLL	HHH	PP	SSS	320	420	50% chrys tuff 50% chrys mod prop. 10% Si/pyr
...	AA	CCC	LLL	HHH	PP	SSS	325	66	tuff halter as above. w/ pyr on str prop fxs
...	AA	CCC	LLL	HHH	PP	SSS	330	16	mod propyl tuff w/ pyr on sparse fxs
...	AA	CCC	LLL	HHH	PP	SSS	335	14	mod - str propyl tuff 10% pyr.
...	AA	CCC	LLL	HHH	PP	SSS	340	9	mod propyl tuff str propyl sparse pyr on fxs
...	AA	CCC	LLL	HHH	PP	SSS	345	21	as ab. No pyr. Ig chips, small lumps
...	AA	CCC	LLL	HHH	PP	SSS	350	21	mod propyl as ab. sparse fx pyr
...	AA	CCC	LLL	HHH	PP	SSS	355	14	"
...	AA	CCC	LLL	HHH	PP	SSS	360	10	wk propyl as pyr. usual lumps - projected
...	AA	CCC	LLL	HHH	PP	SSS	365	11	wk propyl xl tuff w/ sparse chips (str
...	AA	CCC	LLL	HHH	PP	SSS	370	19	50/50 gry tuff + wk propyl. spars fx pyr
...	AA	CCC	LLL	HHH	PP	SSS	375	19	as above. small lumps
...	AA	CCC	LLL	HHH	PP	SSS	380	32	as above.
...	AA	CCC	LLL	HHH	PP	SSS	385	18	str propyl tuff w/ minor fx pyr
...	AA	CCC	LLL	HHH	PP	SSS	390	6	as above. No pyr
...	AA	CCC	LLL	HHH	PP	SSS	395	<2	gry-brn xl tuff w/ spots of str propyl.
...	AA	CCC	LLL	HHH	PP	SSS	400	<2	as ab. a bit more propyl.

dump

went to
wet
split

water
↓
50-75
gpm

GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')

HOLE NUMBER PY-1

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Sheet 3 of 3

description

pyrophyllite
clays
calcite
limonite
hematite
pyrite
silica

graphic log
assays Au-PPb

...	AAA CCC LLL HHH PPP SSS	405	10	70% brn-gry xl tuff w/ spots of str prop. 30% mod prop. ^{Ht} gry-gry. xl xl tuff wk prop. spsc bkgd iron pyr islt. Dull to rk. wk prop. calc on fxs.
...	AAA CCC LLL HHH PPP SSS	410	12	55% ds db / 50% mod prop. f common cl. w/ grn chips
...	AAA CCC LLL HHH PPP SSS	415	4	mod prop xl tuff. Vspc diss pyr.
...	AAA CCC LLL HHH PPP SSS	420	12	ds db.
...	AAA CCC LLL HHH PPP SSS	425	10	ds db.
...	AAA CCC LLL HHH PPP SSS	430	7	ds db.
...	AAA CCC LLL HHH PPP SSS	435	14	ds db.
...	AAA CCC LLL HHH PPP SSS	440	10	ds db.
...	AAA CCC LLL HHH PPP SSS	445	4	ds db.
...	AAA CCC LLL HHH PPP SSS	450	10	ds db.
...	AAA CCC LLL HHH PPP SSS	455	22	ds db. few chips w/ fe pyr
...	AAA CCC LLL HHH PPP SSS	460	8	ds db. No fe pyr
...	AAA CCC LLL HHH PPP SSS	465	7	as above
...	AAA CCC LLL HHH PPP SSS	470	6	as above
...	AAA CCC LLL HHH PPP SSS	475	8	as above
...	AAA CCC LLL HHH PPP SSS	480	8	as above. drlr says hard fcs & 480
...	AAA CCC LLL HHH PPP SSS	485	10	ds above
...	AAA CCC LLL HHH PPP SSS	490	10	as above, less atm
...	AAA CCC LLL HHH PPP SSS	495	21	as above
...	AAA CCC LLL HHH PPP SSS	500	12	as above. atm atm strgr
...	AAA CCC LLL HHH PPP SSS	505	9	as above
...	AAA CCC LLL HHH PPP SSS	510	11	as above
...	AAA CCC LLL HHH PPP SSS	515	251	as ab.
...	AAA CCC LLL HHH PPP SSS	520	13	ds ab.
...	AAA CCC LLL HHH PPP SSS	525	14	ds ab.
...	AAA CCC LLL HHH PPP SSS	530	33	12 ab. atm strgr minor fx pyr
...	AAA CCC LLL HHH PPP SSS	535	4	ds ab. " "
...	AAA CCC LLL HHH PPP SSS	540	11	minor pyr. a few Si chips
...	AAA CCC LLL HHH PPP SSS	545	18	ds ab.
...	AAA CCC LLL HHH PPP SSS	550	20	ds ab. No pyr.
...	AAA CCC LLL HHH PPP SSS	555	17	ds ab. sprsc fx pyr
...	AAA CCC LLL HHH PPP SSS	560	23	ds ab. No pyr - TD
...	AAA CCC LLL HHH PPP SSS	565		
...	AAA CCC LLL HHH PPP SSS	570		
...	AAA CCC LLL HHH PPP SSS	575		
...	AAA CCC LLL HHH PPP SSS	580		
...	AAA CCC LLL HHH PPP SSS	585		
...	AAA CCC LLL HHH PPP SSS	590		
...	AAA CCC LLL HHH PPP SSS	595		
...	AAA CCC LLL HHH PPP SSS	600		

PROJECT

Pyramid

PG. 1 OF 2

HOLE # PY1
 INCLINATION -45°
 BEARING N46E
 TOTAL DEPTH 560'
 DATE START: 7/3/90
 FINISH: 8/1/90

NORTHING _____
 EASTING _____
 ELEVATION 4550'
 COMPANY/DRILLING TYPE LANG - REV. CIRC.
 LOGGED BY MSW

TWNSHP./RANGE, SEC.
NW $\frac{1}{4}$, SW $\frac{1}{4}$, SW $\frac{1}{4}$, Sec 15,
T23N, R21E

CLAIM _____

COMMENT: Did not reach main structural zone.

50-75 gpm Water @ 320'. ~100 gpm by TD.

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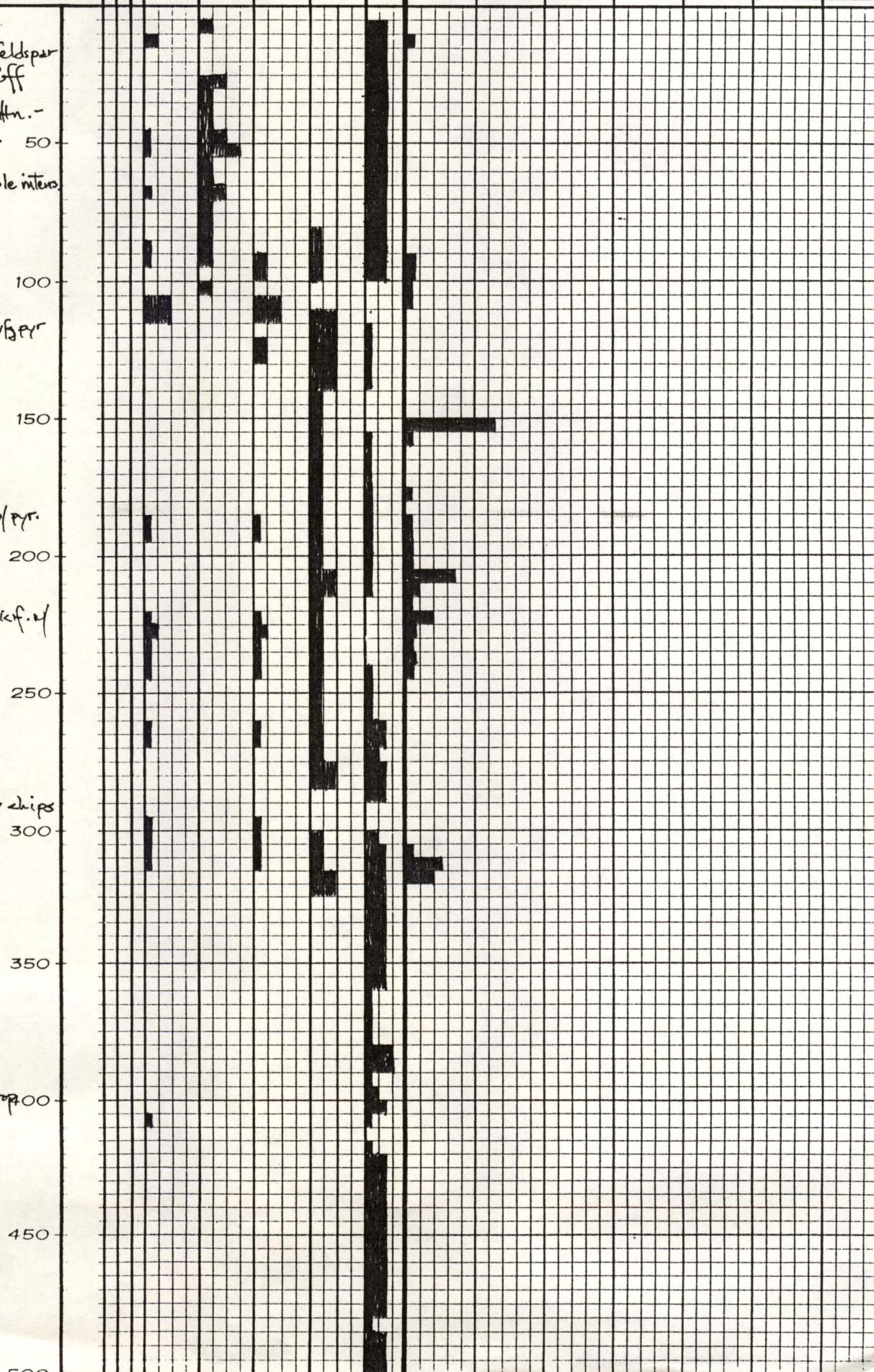
ASSAY - ppb Au

GEOLOGY

GRAPHIC LOG
 SILICA FE-ox MINERAL CLAY PROPYLITE

1000 2000

0-5' dump material.
 5-560' biotite-quartz-feldspar crystal-lithic tuff
 5-100 med. propyl. atm.-
 gently just chlorite. 50
 10-15 q.v.- milky wh.
 25-105 limonite-variable interc.
 45-55 wh. cherty Si
 65-75 blk. vfg Si
 80-100 wk. arg.
 100-250 wk. propyl. 100
 110-140 mod. arg.
 165-115 3-5% ? disseminated pyr.
 140-205 wk. arg.
 185-195 sp. Si'd chips w/ pyr.
 205-215 mod. arg.
 215-215 wk. arg.
 220-245 wk to mod silicif. w/
 pyr.
 260-360 mod. prop.
 275-285 mod. arg.
 295-315 sparse Si/tgr chips
 300-315 wk. arg.
 315-325 mod. arg.
 360-380 wk. prop.
 380-390 str. prop.
 390-420 spotty wk-mod. prop. 100
 420-560 mod. prop.



HOLE # PY-1

PROJECT

Pyramid

PG. 2 OF 2

GEOLOGY

GRAPHIC
LOG

SILICA

FE-OX

MINERAL

CLAY

Pyroplitic

1000

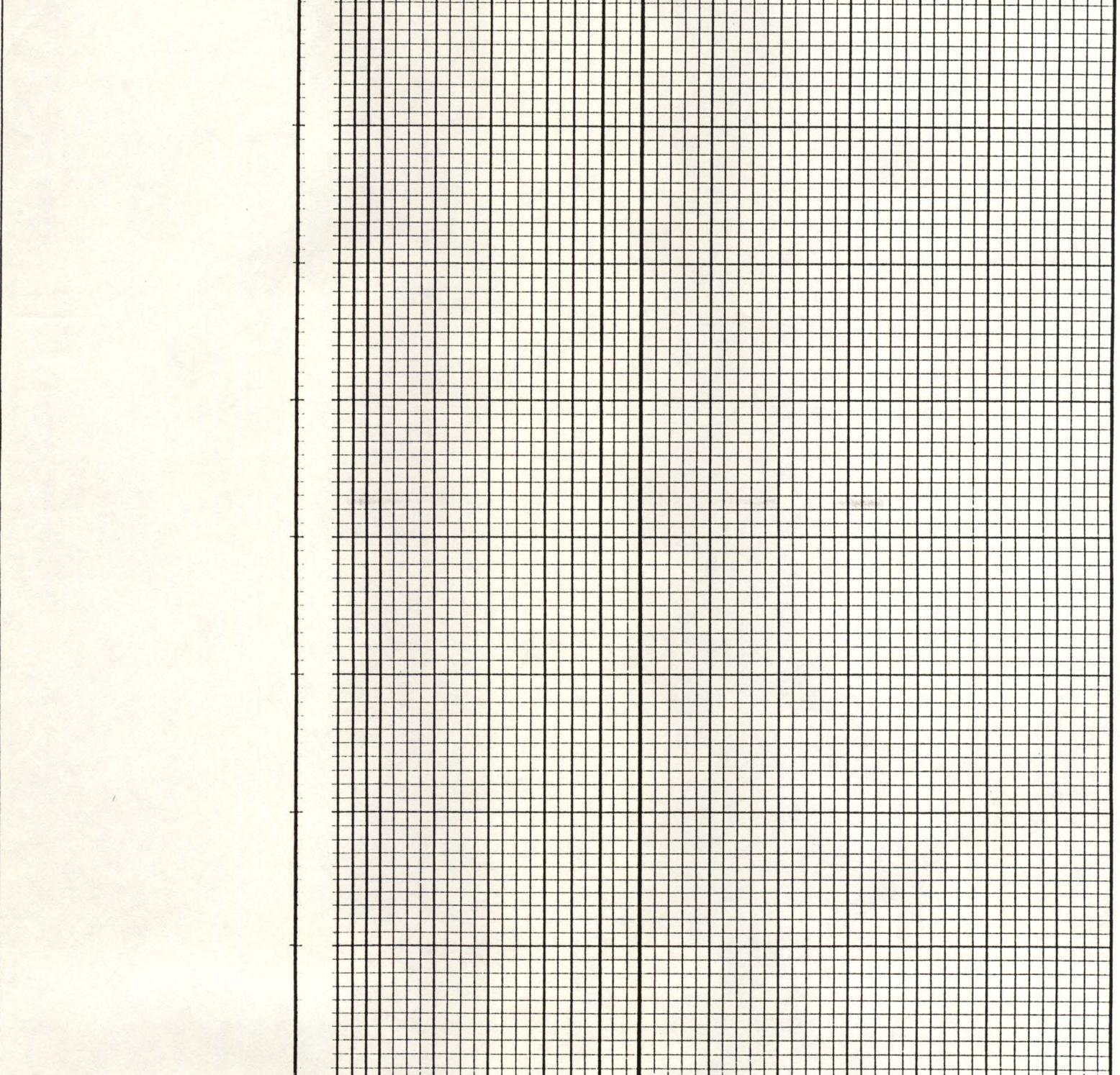
Gold Fields disclaims responsibility for the accuracy of these core(s), log ~~ASSAY~~ ppb Au other document(s).

5-560' biotite-quartz-feldspar
crystal-lithic tuff
420-560 mad prop

550

560' TD

600



COMMENTS:

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Mark Whitney
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331 Freeport Blvd
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14-Aug-90
Page: 1
Copy: 3 of 3
Set : 1

Attn: P. Picune
Project:

Received: 6-Aug-90 10:27
PO #: L-5003

Job: 902333R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-2 0-5	1.8	4
PY-2 5-10	8.6	68
PY-2 10-15	12.3	61
PY-2 15-20	3.7	<2
PY-2 20-25	2.6	<2
PY-2 25-30	0.7	2
PY-2 30-35	1.6	12
PY-2 35-40	2.2	15
PY-2 40-45	4.4	4
PY-2 45-50	8.1	17
PY-2 50-55	84	339
PY-2 55-60	64	281
PY-2 60-65	60	746
PY-2 65-70	31.6	368
PY-2 70-75	22.8	318
PY-2 75-80	7.7	91
PY-2 80-85	10.2	119
PY-2 85-90	6.7	41
PY-2 90-95	6.9	40
PY-2 95-100	8.6	39
PY-2 100-105	M	M
PY-2 105-110	3.8	12
PY-2 110-115	5.4	42
PY-2 115-120	4.8	24
PY-2 120-125	2.4	30
PY-2 125-130	16.1	229
PY-2 130-135	51.2	344
PY-2 135-140	54	356
PY-2 140-145	16.7	260
PY-2 145-150	10.8	124

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GFMC - SPARKS

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py-2 0'-240'

PROJECT/AREA Pyramid
STATE Nev
COUNTY Wasco



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Attn: P. Picune
Project:

Received: 6-Aug-90 10:27
PO #: L-5003

Job: 902333R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-2 150-155	8.4	72
PY-2 155-160	5.4	60
PY-2 160-165	2.7	35
PY-2 165-170	2.6	108
PY-2 170-175	4.5	90
PY-2 175-180	1.9	415
PY-2 180-185	5.3	147
PY-2 185-190	14.7	301
PY-2 190-195	1.9	37
PY-2 195-200	0.4	11
PY-2 200-205	0.2	42
PY-2 205-210	0.3	21
PY-2 210-215	5.6	61
PY-2 215-220	1.8	29
PY-2 220-225	0.9	80
PY-2 225-230	3.7	69
PY-2 230-235	6.2	66
PY-2 235-240	16.4	38

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Abbreviations:

Parameters:

Ag : Silver
Au : Gold

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Methods:

AA : Atomic Absorption
FA/AA : Fire Assay with AA finish

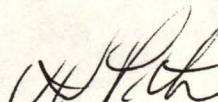
Units:

ppm : Parts per million
ppb : Parts per billion

Quality control:

< : less than
M : Missing

Signed:



.....

Vernon K. Peterson
Laboratory Manager

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J.W. 14-Aug-90
 Page: 1
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CUT

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-2 240-245	23.4	64
PY-2 245-250	3.7	3
PY-2 250-255	2.4	<2
PY-2 255-260	3.4	<2
PY-2 260-265	80	192
PY-2 265-270	51	150
PY-2 270-275	16.9	64
PY-2 275-280	7.2	30
PY-2 280-285	20	78
PY-2 285-290	2.4	18
PY-2 290-295	1.3	30
PY-2 295-300	1	22
PY-2 300-305	21.8	82
PY-2 305-310	5.1	17
PY-2 315-320	5.1	19
PY-2 320-325	4	6
PY-2 325-330	1	35
PY-2 330-335	1	6
PY-2 335-340	1.1	<2
PY-2 340-345	0.3	<2
PY-2 345-350	0.1	<2
PY-2 350-355	<0.1	<2
PY-2 355-360	<0.1	<2
PY-2 360-365	1.5	5
PY-2 365-370	0.8	3
PY-2 370-375	0.4	<2
PY-2 375-380	0.2	<2
PY-2 380-385	2.4	39
PY-2 385-390	0.3	7
PY-2 390-395	0.3	13

R E C E I V E D

AUG 17 1990

GFMC - SPARKS

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PY-2 240'-400'

PROJECT / AREA Pyramid
 STATE Nev
 COUNTY Washoe



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PO #: L-5004

Job: 902372R

Status: Final

cut

<u>Sample Id</u>	<u>Ag</u> <u>AA</u> <u>ppm</u>	<u>Au</u> <u>FA/AA</u> <u>ppb</u>
PY-2 395-400	0.1	<2

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ppb : Parts per billion

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Signed:

Vernon K. Peterson
Laboratory Manager

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GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')

LOCATION Pyramid ProjectHOLE NUMBER Py-2

COORDINATES NW 1/4, NE 1/4, SW 1/4, SE 1/4, S 15, T23N, R21E

ELEVATION 4500' BEARING N33E INCLINATION -45° T.D. 400'DATE COMPLETED 8/3/90 DATE LOGGED 8/2-8/3 GEOLOGIST Whitney

propylitic
clays
calcite
limonite
hematite
pyrite
silica

graphic log
assays

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Sheet 1 of 2
description

oxid	↓	AA	CCCLLH	HHHPPPS	5	Mafic dyke (?) w/ Cpx fxs. wk acid-limon.
mik		AA	CCCLLH	HHHPPPS	10	wk arg strly bleached & limonitic xl tuff carbon w/ mafic dyke w/ Cpx + minor limon tuff as ab.
↑	UNOX	AA	CCCLLH	HHHPPPS	15	lyke wk to mod oxid-limon
		AA	CCCLLH	HHHPPPS	20	xl tuff. wh. mod. str limon. wk hemat.
		AA	CCCLLH	HHHPPPS	25	as ab. wk arg ↓ on fxs
		AA	CCCLLH	HHHPPPS	30	as ab. less limon.
		AA	CCCLLH	HHHPPPS	35	wh wk arg to f. wk limon. a few lmp/gt2 chips
		AA	CCCLLH	HHHPPPS	40	tuff as ab. mod fx limon. no gt2
		AA	CCCLLH	HHHPPPS	45	as ab. mod hemat
		AA	CCCLLH	HII PPPSS	50	xl tuff as ab. str limon. mod hemat
		AA	CCCLLH	HII PPPSS	55	as ab. some Feox after ifg S on fxs.
		AA	CCCLLH	HII PPPSS	60	as ab. mod limon
		AA	CCCLLH	HII PPPSS	65	tuff & Feox as ab. w/ a few chlor-mod Si. mod hemat for
		AA	CCCLLH	HII PPPSS	70	tuff as ab. str limon. wk hemat mod Si. mod Si. S → Feox
		AA	CCCLLH	HII PPPSS	75	tuff as ab. wk limon
		AA	CCCLLH	HII PPPSS	80	tuff as ab. mod limon, wk hemat
		AA	CCCLLH	HII PPPSS	85	as ab.
		AA	CCCLLH	HII PPPSS	90	tuff as ab. str limon / hemat
		AA	CCCLLH	HII PPPSS	95	as ab. w/ a few gt2 / Feox chips. S → Feox
		AA	CCCLLH	HII PPPSS	100	No Sample - damp, ex ^{10 ft} 10 ft
		AA	CCCLLH	HII PPPSS	105	tuff as ab. wk limon / hemat
		AA	CCCLLH	HII PPPSS	110	as ab.
		AA	CCCLLH	HII PPPSS	115	as ab. 1 wh gt2 chip
		AA	CCCLLH	HII PPPSS	120	tuff as ab. minor Feox. diss fresh pyr.
		AA	CCCLLH	HII PPPSS	125	50% as ab. 60% massive limon w/ hem. few Spx. ^{wh} diss
		AA	CCCLLH	HII PPPSS	130	80% unox, pyritic xl tuff 20% massive limon. 1-3% ^{diss} unox, pyr, xl tuff. a few Si/py chips
		AA	CCCLLH	HII PPPSS	135	as ab. ~1% diss pyr
		AA	CCCLLH	HII PPPSS	140	45gry/wh mod arg-tuff as ab. 1% ifg diss S
		AA	CCCLLH	HII PPPSS	145	as ab. ^{clay?}
		AA	CCCLLH	HII PPPSS	150	tuff as ab. w/ wk tigr. ^{< 18S} few gry fxs - pheno?
		AA	CCCLLH	HII PPPSS	155	as ab.
		AA	CCCLLH	HII PPPSS	160	as ab. attn slightly strgr
		AA	CCCLLH	HII PPPSS	165	clay attn as ab. few chips w/ vsto pyr.
		AA	CCCLLH	HII PPPSS	170	as ab. rk red gry - attn strgr. looks propyl.
		AA	CCCLLH	HII PPPSS	175	attn as ab. clump fx - v soil sample
		AA	CCCLLH	HII PPPSS	180	tuff as ab. 50% wk prop 50% mod prop
		AA	CCCLLH	HII PPPSS	185	~tuff as ab. str prop.
		AA	CCCLLH	HII PPPSS	190	as ab.
		AA	CCCLLH	HII PPPSS	195	
		AA	CCCLLH	HII PPPSS	200	

Detailed Chip Log (1" = 20')

HOLE NUMBER

PY2

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description

Sheet 2 of 2

dolomite
pyrite
clays
calcite
limonite
hematite
pyrite
silica

graphic log
assays

...	A A A C C C	L L L H H H P P P S S S	205	fs par/bio/fiz + tif as ab. str prop/yo ds ab.
...	A A A C C C	L L L H H H P P P S S S	210	
...	A A A C C C	L L L H H H P P P S S S	215	tuff as ab. * med prop, stran fcs as ab.
...	A A A C C C	L L L H H H P P P S S S	220	luf as ab. med prop. a few gtz chips so/so med prop w/stran fcs f gry okarg w/dsp gr. w/abundance med prop, stran fcs w/afew rd f gry chips propyl alter as ab.
...	A A A C C C	L L L H H H P P P S S S	225	
...	A A A C C C	L L L H H H P P P S S S	230	so/so med prop w/stran fcs f gry okarg w/dsp gr. w/abundance med prop, stran fcs w/afew rd f gry chips propyl alter as ab.
...	A A A C C C	L L L H H H P P P S S S	235	
...	A A A C C C	L L L H H H P P P S S S	240	propyl as ab. minor contain. ds ab.
...	A A A C C C	L L L H H H P P P S S S	245	
...	A A A C C C	L L L H H H P P P S S S	250	ds ab.
...	A A A C C C	L L L H H H P P P S S S	255	ds ab.
...	A A A C C C	L L L H H H P P P S S S	260	wk prop. couple chips erse pyr assys. wk-med prop. no pyr.
...	A A A C C C	L L L H H H P P P S S S	265	as ab. a few chips gry s/i
...	A A A C C C	L L L H H H P P P S S S	270	wk prop. stran fcs. No pyr/si wk prop
...	A A A C C C	L L L H H H P P P S S S	275	ds ab.
...	A A A C C C	L L L H H H P P P S S S	280	ds ab. few chips - wk arg of pyr med propyl,
...	A A A C C C	L L L H H H P P P S S S	285	
...	A A A C C C	L L L H H H P P P S S S	290	
...	A A A C C C	L L L H H H P P P S S S	295	ds ab. few chips - wk arg of pyr med propyl,
...	A A A C C C	L L L H H H P P P S S S	300	
...	A A A C C C	L L L H H H P P P S S S	305	
...	A A A C C C	L L L H H H P P P S S S	310	
...	A A A C C C	L L L H H H P P P S S S	315	
...	A A A C C C	L L L H H H P P P S S S	320	
...	A A A C C C	L L L H H H P P P S S S	325	
...	A A A C C C	L L L H H H P P P S S S	330	
...	A A A C C C	L L L H H H P P P S S S	335	
...	A A A C C C	L L L H H H P P P S S S	340	
...	A A A C C C	L L L H H H P P P S S S	345	
...	A A A C C C	L L L H H H P P P S S S	350	
...	A A A C C C	L L L H H H P P P S S S	355	
...	A A A C C C	L L L H H H P P P S S S	360	
...	A A A C C C	L L L H H H P P P S S S	365	
...	A A A C C C	L L L H H H P P P S S S	370	
...	A A A C C C	L L L H H H P P P S S S	375	
...	A A A C C C	L L L H H H P P P S S S	380	
...	A A A C C C	L L L H H H P P P S S S	385	
...	A A A C C C	L L L H H H P P P S S S	390	
...	A A A C C C	L L L H H H P P P S S S	395	
...	A A A C C C	L L L H H H P P P S S S	400	

wet split
↓

PROJECT

PYRAMID

PG. 1 OF 1

HOLE # PY-2
 INCLINATION -45°
 BEARING N33E
 TOTAL DEPTH 400'
 DATE START: 8/2/90
 FINISH: 8/3/90

NORTHING _____
 EASTING _____
 ELEVATION 4500'
 COMPANY/DRILLING TYPE LANK - Rev. C.R.
 LOGGED BY MSW

TWNSHP./RANGE, SEC.
NW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec 15,
T23N, R21E

CLAIM _____

COMMENT:

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ASSAY - ppb Au

GEOLOGY

GRAPHIC LOG

SILICA

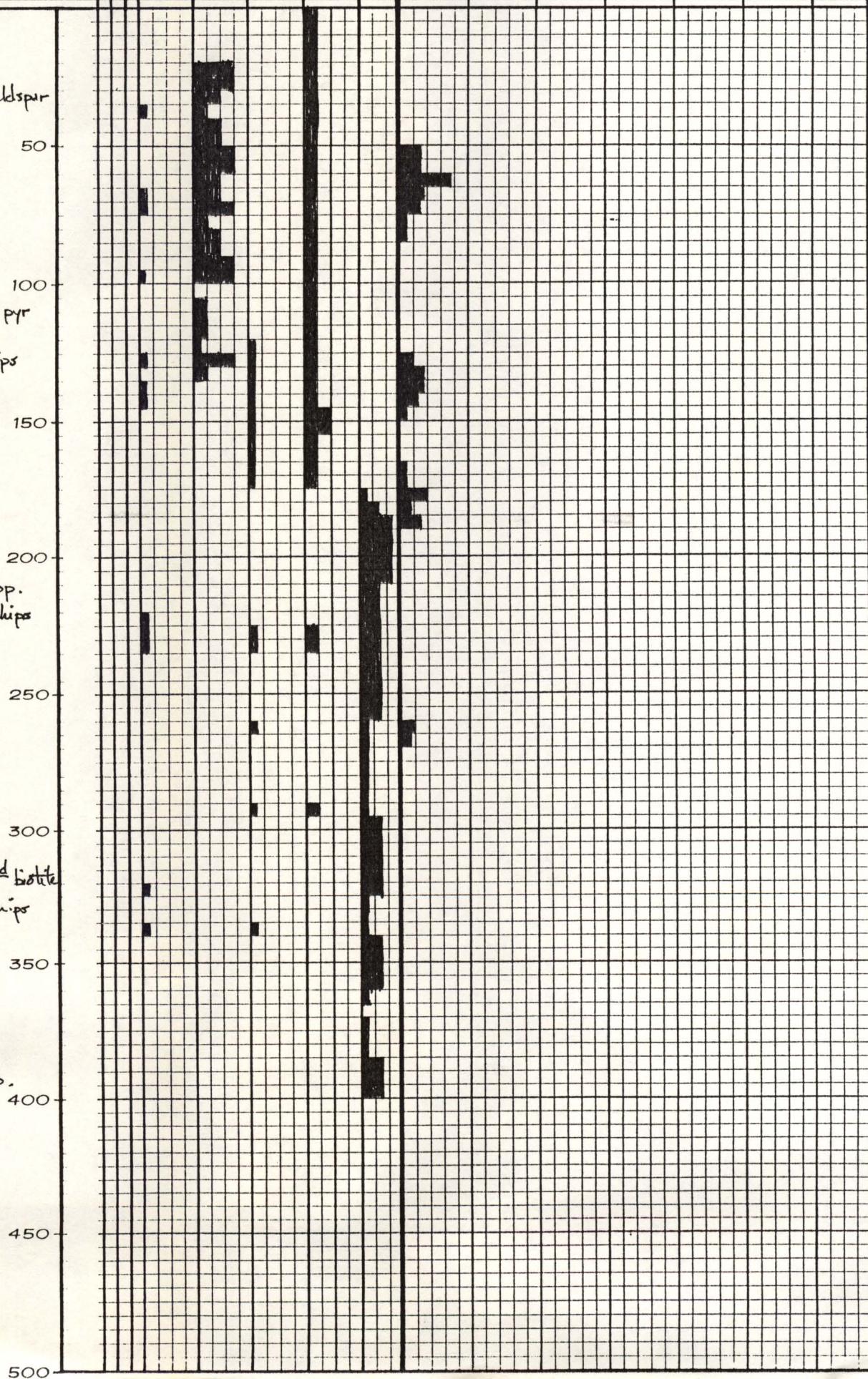
FE_OX

MINERAL
PTile, non-propillite
CLAY

Pyrrillite

1000 2000

0-5' Mafic dyke w/ Cu on fxs.
 5-10' xl tuff
 10-20' mafic dyke
 20'-40' biotite-quartz-feldspar
 crystal tuff!
 40-135' FeOx along fxs &
 ds massive chips
 35-40' limon/gt₂ chips
 65-75' limon/gt₂ chips
 95-100' limon/gt₂ chips
 120-175' 1-3% disseminated pyr
 125-130' cherty Si chips
 135-145' gry Si/pyr chips
 145-155' Mod dryg
 175-185' wk-mod prop
 185-210' mod-str prop
 210-400' wk to mod prop.
 220-235' sp. gt₂/pyr chips
 260-265' pyr chips
 320-325' gry Si chips
 325-365' wk-mod 2nd biotite
 335-340' blk Si/pyr chips
 390-400' str 2nd biotite
 400' TD



08. 15. 90 03:56 PM *Barringer Labs, Inc. P04

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Lakewood, CO. 80228

Attn: P. Picune
Project:

Job: 902397R

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15-Aug-90

Page: 1
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Received: 10-Aug-90 08:22
PO #: L-5005

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Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-3 0-5	1.2	45
PY-3 5-10	3.2	96
PY-3 10-15	1.7	61
PY-3 15-20	2	90
PY-3 20-25	1.9	73
PY-3 25-30	0.7	43
PY-3 30-35	0.7	8
PY-3 35-40	0.6	40
PY-3 40-45	2	<2
PY-3 45-50	0.9	17
PY-3 50-55	0.6	4
PY-3 55-60	0.9	<2
PY-3 60-65	4.8	<2
PY-3 65-70	5.8	<2
PY-3 70-75	0.5	8
PY-3 75-80	1.6	67
PY-3 80-85	1.3	43
PY-3 85-90	0.3	<2
PY-3 90-95	1.5	51
PY-3 95-100	2.8	117
PY-3 100-105	1.5	149
PY-3 105-110	1.4	92
PY-3 110-115	2.6	53
PY-3 115-120	1.3	42
PY-3 120-125	0.2	<2
PY-3 125-130	0.6	<2
PY-3 130-135	0.2	<2
PY-3 135-140	1	18
PY-3 140-145	0.4	18
PY-3 145-150	0.5	4

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PROJECT / AREA _____
STATE _____
COUNTY _____

ADVANCED TECHNIQUES AND INSTRUMENTATION FOR THE EARTH SCIENCES



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Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-3 150-155	0.5	29
PY-3 155-160	0.8	23
PY-3 160-165	0.3	<2
PY-3 165-170	0.1	<2
PY-3 170-175	0.2	<2
PY-3 175-180	<0.1	6
PY-3 180-185	<0.1	<2
PY-3 185-190	<0.1	<2
PY-3 190-195	0.3	<2
PY-3 195-200	0.7	<2
PY-3 200-205	0.2	<2
PY-3 205-210	0.3	<2
PY-3 210-215	0.2	<2
PY-3 215-220	0.4	<2
PY-3 220-225	<0.1	<2
PY-3 225-230	<0.1	<2
PY-3 230-235	M	M
PY-3 235-240	1.6	<2
PY-3 240-245	3.9	<2
PY-3 240-245 A	4.5	116
PY-3 245-250	0.2	<2
PY-3 250-255	0.4	<2
PY-3 255-260	0.6	<2
PY-3 260-265	0.2	<2
PY-3 265-270	0.1	<2
PY-3 270-275	1.3	<2
PY-3 275-280	0.2	<2
PY-3 280-285	0.1	<2
PY-3 285-290	0.8	22
PY-3 290-295	0.9	35

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Job: 902397R

Status: Final

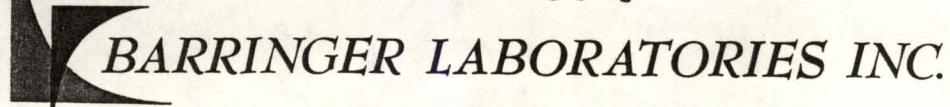
Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-3 295-300	1.4	<2
PY-3 300-305	1.2	<2
PY-3 305-310	0.3	<2
PY-3 310-315	1.6	28
PY-3 315-320	3.2	<2
PY-3 320-325	0.6	<2
PY-3 325-330	0.2	<2
PY-3 330-335	0.9	<2
PY-3 335-340	0.1	<2
PY-3 340-345	1.2	<2
PY-3 340-345 A	2.9	<2
PY-3 345-350	1.9	<2
PY-3 350-355	0.5	<2
PY-3 355-360	M	M

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PHONE: (702) 358-1158

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Sparks, NV. 89431

16-Aug-90

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PO #: L-5006

Job: 902404R

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Cutting

Sample Id		Ag AA ppm	Au FA/AA ppb
PY-3	360-365	1.6	13
PY-3	365-370	2.4	39
PY-3	370-375	1.5	14
PY-3	375-380	0.8	5
PY-3	380-385	0.6	6
PY-3	385-390	1.6	32
PY-3	390-395	0.2	8
PY-3	395-400	0.1	3
PY-3	400-405	0.1	3
PY-3	405-410	2	18
PY-3	410-415	0.6	<2
PY-3	415-420	0.4	<2
PY-3	420-425	0.6	10
PY-3	425-430	0.7	13
PY-3	430-435	3.4	48
PY-3	435-440	1.5	37
PY-3	440-445	0.5	12
PY-3	445-450	4.8	19
PY-3	450-455	2.5	56
PY-3	455-460	4.7	31
PY-3	460-465	8	52
PY-3	465-470	1.6	47
PY-3	470-475	0.7	28
PY-3	475-480	0.8	19
PY-3	480-485	0.4	21
PY-3	485-490	0.3	16
PY-3	490-495	0.2	5
PY-3	495-500	0.2	8
PY-4	0-5	0.8	21
PY-4	5-10	0.6	13

R E C E I V E D

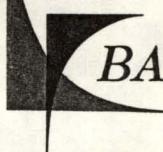
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GFMC - SPARKS

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PY-3 360' - 500'
PY-4 0' - 180'

PROJECT AREA Pyramid
STATE Nev
COUNTY Washoe



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PO #: L-5006

Job: 902404R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-4 10-15	0.6	6
PY-4 15-20	0.5	8
PY-4 20-25	0.6	24
PY-4 25-30	0.6	41
PY-4 30-35	2.3	47
PY-4 35-40	2.6	45
PY-4 40-45	0.9	17
PY-4 45-50	1	21
PY-4 50-55	1.8	42
PY-4 55-60	0.7	27
PY-4 60-65	0.3	13
PY-4 65-70	0.7	10
PY-4 70-75	0.8	8
PY-4 75-80	3.7	17
PY-4 80-85	0.5	7
PY-4 85-90	<0.1	4
PY-4 90-95	0.5	14
PY-4 95-100	0.7	27
PY-4 100-105	0.3	23
PY-4 105-110	0.1	15
PY-4 110-115	0.1	14
PY-4 115-120	0.1	16
PY-4 120-125	0.4	11
PY-4 125-130	1.2	33
PY-4 130-135	1.5	37
PY-4 135-140	3.7	35
PY-4 140-145	1.4	73
PY-4 145-150	2	118
PY-4 150-155	4.2	95
PY-4 155-160	1.8	35

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Page: 3
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Attn: Mark Whitney
Project:

Received: 10-Aug-90 10:50

PO #: L-5006

Job: 902404R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-4 160-165	0.8	18
PY-4 165-170	0.7	14
PY-4 170-175	4.7	19
PY-4 175-180	2.7	18

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Job: 902404R

Status: Final

Abbreviations:

Parameters:

Ag : Silver
Au : Gold

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Methods:

AA : Atomic Absorption
FA/AA : Fire Assay with AA finish

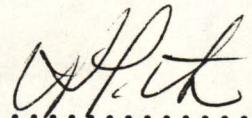
Units:

ppm : Parts per million
ppb : Parts per billion

Quality control:

< : less than

Signed:


.....
Vernon K. Peterson
Laboratory Manager

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PY-3 365-370	2.4	39
PY-3 370-375	1.5	14
PY-3 375-380	0.8	5
PY-3 380-385	0.6	6
PY-3 385-390	1.6	32
PY-3 390-395	0.2	8
PY-3 395-400	0.1	3
PY-3 400-405	0.1	3
PY-3 405-410	2	18
PY-3 410-415	0.6	<2
PY-3 415-420	0.4	<2
PY-3 420-425	0.6	10
PY-3 425-430	0.7	13
PY-3 430-435	3.4	48
PY-3 435-440	1.5	37
PY-3 440-445	0.5	12
PY-3 445-450	4.8	19
PY-3 450-455	2.5	56
PY-3 455-460	4.7	31
PY-3 460-465	8	52
PY-3 465-470	1.6	47
PY-3 470-475	0.7	28
PY-3 475-480	0.8	19
PY-3 480-485	0.4	21
PY-3 485-490	0.3	16
PY-3 490-495	0.2	5
PY-3 495-500	0.2	8
PY-4 0-5	0.8	21
PY-4 5-10	0.6	13

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GFMC - SPARKS

PY-3 360' - 500'
PY-4 0' - 180'

PROJECT AREA Pyramid
STATE NV
COUNTY Wasco



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Sample Id		Ag AA ppm	Au FA/AA ppb
PY-4	10-15	0.6	6
PY-4	15-20	0.5	8
PY-4	20-25	0.6	24
PY-4	25-30	0.6	41
PY-4	30-35	2.3	47
PY-4	35-40	2.6	45
PY-4	40-45	0.9	17
PY-4	45-50	1	21
PY-4	50-55	1.8	42
PY-4	55-60	0.7	27
PY-4	60-65	0.3	13
PY-4	65-70	0.7	10
PY-4	70-75	0.8	8
PY-4	75-80	3.7	17
PY-4	80-85	0.5	7
PY-4	85-90	<0.1	4
PY-4	90-95	0.5	14
PY-4	95-100	0.7	27
PY-4	100-105	0.3	23
PY-4	105-110	0.1	15
PY-4	110-115	0.1	14
PY-4	115-120	0.1	16
PY-4	120-125	0.4	11
PY-4	125-130	1.2	33
PY-4	130-135	1.5	37
PY-4	135-140	3.7	35
PY-4	140-145	1.4	73
PY-4	145-150	2	118
PY-4	150-155	4.2	95
PY-4	155-160	1.8	35

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Cutting

Sample Id		Ag	Au
		AA ppm	FA/AA ppb
PY-4	160-165	0.8	18
PY-4	165-170	0.7	14
PY-4	170-175	4.7	19
PY-4	175-180	2.7	18

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Quality control:

< : less than

Signed:

Vernon K. Peterson
Laboratory Manager

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GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')

LOCATION Pyramid ProjectHOLE NUMBER PY3COORDINATES SW 1/4, NW 1/4, SW 1/4, Sec 23, T23N, R21EELEVATION 5300' BEARING N55E INCLINATION -45 T.D. 500'DATE COMPLETED 8/6/90DATE LOGGED 8/5-8/6GEOLOGIST Whitney

*2nd best.
propylite
Clays
calcite
limonite
hematite
pyrite
silica*

*graphic log
assays*

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description

Sheet 1 of 3

abund

.....	AAA	CCC	L	H	PPP	SSS	5	
.....	AAA	CCC	L	H	PPP	SSS	10	
.....	AAA	CCC	L	HHH	PPP	SSS	15	
.....	AAA	CCC	L	HHH	PPP	SSS	20	
.....	AAA	CCC	L	HHH	PPP	SSS	25	
.....	AAA	CCC	L	HHH	PPP	SSS	30	
.....	AAA	CCC	L	LLL	HHH	PPP	35	
.....	AAA	CCC	L	LLL	HHH	PPP	40	
.....	AAA	CCC	L	H	PPP	SSS	45	
.....	AAA	CCC	L	H	PPP	SSS	50	
.....	A	CCC	LLL	HHH	PPP	SSS	55	
.....	AAA	CCC	L	H	PPP	SSS	60	
.....	AAA	CCC	L	HHH	PPP	SSS	65	
.....	AAA	CCC	L	HHH	PPP	SSS	70	
.....	AAA	CCC	L	H	PPP	SSS	75	
.....	AAA	CCC	L	H	PPP	SSS	80	
.....	AAA	CCC	L	H	PPP	SSS	85	
.....	AAA	CCC	L	HHH	PPP	SSS	90	
.....	AAA	CCC	L	H	PPP	SSS	95	
.....	A	CCC	L	H	PPP	SSS	100	
.....	A	CCC	LLL	HH	PPP	SSS	105	
.....	A	CCC	LLL	HHH	PPP	SSS	110	
.....	A	CCC	LLL	H	PPP	SSS	115	
.....	A	CCC	LLL	H	PPP	SSS	120	
.....	A	CCC	LLL	H	PPP	SSS	125	
.....	A	CCC	LLL	HHH	PPP	SSS	130	
.....	A	CCC	LLL	H	PPP	SSS	135	
.....	A	CCC	LLL	H	PPP	SSS	140	
.....	A	CCC	LLL	H	PPP	SSS	145	
.....	A	CCC	LLL	H	PPP	SSS	150	
.....	A	CCC	LLL	H	PPP	SSS	155	
.....	A	CCC	LLL	H	PPP	SSS	160	
.....	A	CCC	LLL	H	PPP	SSS	165	
.....	A	CCC	LLL	H	PPP	SSS	170	
.....	A	CCC	LLL	H	PPP	SSS	175	
.....	A	CCC	LLL	H	PPP	SSS	180	
.....	A	CCC	LLL	H	PPP	SSS	185	
.....	A	CCC	LLL	H	PPP	SSS	190	
.....	A	CCC	LLL	H	PPP	SSS	195	
.....	A	CCC	LLL	H	PPP	SSS	200	

GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')

HOLE NUMBER PY-3

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description

Sheet 2 of 3

biotite
pyroxite
clays
calcite
limonite
hematite
pyrite
silica

graphic log
assays

	AA	AC	CC	LL	HH	PP	SS	
205	AA	AC	CC	LL	HH	PP	SS	
210	AA	AC	CC	LL	HH	PP	SS	
215	AA	AC	CC	LL	HH	PP	SS	
220	AA	AC	CC	LL	HH	PP	SS	
225	AA	AC	CC	LL	HH	PP	SS	
230	AA	AC	CC	L	HH	PP	SS	
235	AA	AC	CC	L	HH	PP	SS	
240	AA	AC	CC	L	HH	PP	SS	
245	AA	AC	CC	L	HH	PP	SS	
250	AA	AC	CC	LL	HH	PP	SS	
255	AA	AC	CC	LL	HH	PP	SS	
260	AA	AC	CC	LL	HH	PP	SS	
265	AA	AC	CC	LL	HH	PP	SS	
270	AA	AC	CC	LL	HH	PP	SS	
275	AA	AC	CC	LL	HH	PP	SS	
280	AA	AC	CC	LL	HH	PP	SS	
285	AA	AC	CC	L	H	PP	SS	
290	AA	AC	CC	L	H	PP	SS	
295	AA	AC	CC	LL	HH	PP	SS	
300	AA	AC	CC	LL	HH	PP	SS	
305	AA	AC	CC	LL	HH	PP	SS	
310	AA	AC	CC	L	H	PP	SS	
315	AA	CC	CC	L	H	PP	SS	
320	AA	CC	CC	L	HH	PP	SS	
325	AA	CC	CC	L	HH	PP	SS	
330	AA	CC	CC	L	HH	PP	SS	
335	AA	CC	CC	L	HH	PP	SS	
340	AA	CC	CC	L	H	PP	SS	
345	AA	CC	CC	L	H	PP	SS	
350	AA	CC	CC	L	H	PP	SS	
355	AA	CC	CC	L	H	PP	SS	
360	AA	CC	CC	L	H	PP	SS	
365	AA	CC	CC	L	H	PP	SS	
370	AA	CC	CC	L	H	PP	SS	
375	AA	CC	CC	L	H	PP	SS	
380	AA	CC	CC	L	H	PP	SS	
385	AA	CC	CC	L	H	PP	SS	
390	AA	CC	CC	L	H	PP	SS	
395	AA	CC	CC	L	H	PP	SS	
400	AA	CC	CC	L	H	PP	SS	

mod prop. some wky oxid. Si/limon spx (fx) as above w/ Si/Fe ox unit.

mod prop w/ spotty wk oxid.

mod prop w/ narrow Si/limon unit.

as above mod oxid of 50% algs as ab. limon fx's No raining

mod prop - nil to str oxid. 40% Feox chips w/ hemat str oxid. Numerous Feox/Si chips also massive limon oxid as ab. V few Si'd chips ← note? scamps. one -A

mod prop. wk, spotty oxid, wk 2nd bio

mod prop, str fx's. wk, spotty 2nd bio. vs spotty oxid as ab. # oxid mod. * str limon. m sparse fx's

mod prop. wk oxid. limon as ab. spotty wk 2nd bio as ab. narrow limon/Si unit

nil to str oxid. limon w/ hemat or f. a few Si'd chips as ab. slightly wk oxid

mod prop. wk 2nd bio. spars cligr gry/Si

nil to str oxid. Feox/Si unit

str oxid. good Feox/Si vein

wk to str oxid of prop. spars Feox chips. few gry Si'd chips

mod prop. sply wk 2nd bio. seams of gry chy 50% wk to mod oxid. 10% limon chips

str oxid, str Feox. 20% wk Si'd chips

as above w/ sparse wk chy

mod prop wk to mod oxid. wk limon a few gry Si'd chips

prop. str oxid. 20% wk chy 20% Feox/Si unit

wk prop, wk oxid. minor chy

50/50 wk-mod prop/mod arg wk sply 2nd bio

oxid-mod arg, mod-str Feox. 10% Feox/Si

as ab. Feox mostly limon

oxid/arg as ab. wk limon, few chy gry pyrite/Si;

wk prop. mod arg w/ wk 2nd bio

as ab.

gry wk arg v minor 2nd bio

wk str oxid wk Si'd tuff w/ 10% Si/Feox chips

mod gry pyrl tuff, attoseab, tuff/2nd bio, + 20% Feox/Si chips

40% gry wk arg 60% mod prop. few limon chips

60% gry wk arg 40% wk prop. # Si wk Si'd chips/str pyrl tuff wk

mod prop w/ spotty 2nd bio/arg

as ab.

GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1"= 20')

HOLE NUMBER PY3

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biotite
Propylitic
Clays
Calcite
limonite
hematite
pyrite
silica

graphic log
assays

Sheet 3 of 3

description

...	AAACCC	LLL	HHH	PPPS	SSS	405	Mod prop xl tuff. spotty 2nd bio. as ab.
...	AAACCC	LLL	HHH	PPPS	SSS	410	as ab. bio slightly strgr.
...	AAACCC	LLL	HHH	PPPS	SSS	415	as ab. w/ <5% gry Si'd clps; a few w/ pyr.
...	AAACCC	LLL	HHH	PPPS	SSS	420	as ab. w/o Si/pyr
...	AAACCC	LLL	HHH	PPPS	SSS	425	Mod prop / spotty ^{wk} bio. v few gry Si'd clps
...	AAACCC	LLL	HHH	PPPS	SSS	430	gry wk arg. w/ 1-2% gte/pyr vnl/t clps
...	AAACCC	LLL	HHH	PPPS	SSS	435	50/50 wk-moder w/ spcs ifg 5° and mod prop.
...	AAACCC	LLL	HHH	PPPS	SSS	440	mod prop / spotty 2nd bio w/ 10% wk arg.
...	AAACCC	LLL	HHH	PPPS	SSS	445	gry wk arg. 10% clps w/ mod-str pyr/tub Si
...	AAACCC	LLL	HHH	PPPS	SSS	450	arg as ab. v few Si/pyr clps
...	AAACCC	LLL	HHH	PPPS	SSS	455	as ab. Si, but no pyr
...	AAACCC	LLL	HHH	PPPS	SSS	460	gry wk arg as ab. sparse wk Si/pyr
...	AAACCC	LLL	HHH	PPPS	SSS	465	arg as ab. 1-3% ifg clps 5°
...	AAACCC	LLL	HHH	PPPS	SSS	470	as ab. very fine sample
...	AAACCC	LLL	HHH	PPPS	SSS	475	80% wk prop 20% arg as ab. v few Si/pyr clps
...	AAACCC	LLL	HHH	PPPS	SSS	480	as mod prop
...	AAACCC	LLL	HHH	PPPS	SSS	485	wk prop w/ <5% wk arg + v few Si/pyr
...	AAACCC	LLL	HHH	PPPS	SSS	490	wk-mod prop
...	AAACCC	LLL	HHH	PPPS	SSS	495	Mix wk prop / wk arg No Si/pyr
...	AAACCC	LLL	HHH	PPPS	SSS	500	
...	AAACCC	LLL	HHH	PPPS	SSS	505	
...	AAACCC	LLL	HHH	PPPS	SSS	510	
...	AAACCC	LLL	HHH	PPPS	SSS	515	
...	AAACCC	LLL	HHH	PPPS	SSS	520	
...	AAACCC	LLL	HHH	PPPS	SSS	525	
...	AAACCC	LLL	HHH	PPPS	SSS	530	
...	AAACCC	LLL	HHH	PPPS	SSS	535	
...	AAACCC	LLL	HHH	PPPS	SSS	540	
...	AAACCC	LLL	HHH	PPPS	SSS	545	
...	AAACCC	LLL	HHH	PPPS	SSS	550	
...	AAACCC	LLL	HHH	PPPS	SSS	555	
...	AAACCC	LLL	HHH	PPPS	SSS	560	
...	AAACCC	LLL	HHH	PPPS	SSS	565	
...	AAACCC	LLL	HHH	PPPS	SSS	570	
...	AAACCC	LLL	HHH	PPPS	SSS	575	
...	AAACCC	LLL	HHH	PPPS	SSS	580	
...	AAACCC	LLL	HHH	PPPS	SSS	585	
...	AAACCC	LLL	HHH	PPPS	SSS	590	
...	AAACCC	LLL	HHH	PPPS	SSS	595	
...	AAACCC	LLL	HHH	PPPS	SSS	600	

PROJECT

PYRAMID

PG. 1 OF 1

HOLE # Py-3
 INCLINATION -45°
 BEARING N55°E
 TOTAL DEPTH 500'

NORTHING _____
 EASTING _____
 ELEVATION 5300'

TWNSHP./RANGE, SEC.
SW 1/4, NW 1/4, SW 1/4, Sec 23,
T23N, R21E

DATE 8/5/90 COMPANY/DRILLING TYPE LANG, Rev. Circ.
 START: 8/5/90 FINISH: 8/6/90 LOGGED BY MSN

COMMENT: propylitic alt'n in this hole contains
epidote, chlorite, & pyrite.

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ASSAY - ppb Au

GEOLOGY

GRAPHIC LOG
 SILICA
 FE.OX
 MINERAL-
 PYRITE, non-propylitic
 CLAY
 Propylitic

1000

0-500' biotite (?) - quartz - feldspar
 crystal tuff.
 0-170' variable wk-str FeOx
 along fxs and ds chips
 0-10 sp. Si chips
 15-30 sp. cmm Si chips
 40-50 5-30% Si chips
 75-95 cmm FeOx/Si chips
 110-120 sp Si chips
 125-130 sp Si chips
 135-145 sp Si/FeOx chips
 150-175 sp Si/FeOx chips
 170-210 wk FeOx on fxs.
 170-340 mod prop.
 140-200 sp Si/FeOx
 205-210 sp Si/FeOx
 215-225 sp Si/FeOx
 235-245 FeOx & Si/FeOx chips
 265-275 sp Si/FeOx chips
 285-300 gry Si & Si/FeOx chips
 300-330 gry Si & Si/FeOx chips
 340-355 gry Si & Si/FeOx chips
 370-380 Si/FeOx chips
 385-390 Si/py chips. poss.
 sp enargite
 415-420 sp Si/py chips
 430-435 sp ftz/pyr vnlts
 445-490 sp Si/py chips
 475-500 wk-mod prop.

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1455 DEMING WAY, SUITE 15
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Gold Fields Mining Corp.
1687 Cole Blvd.
P.O. Box 4014
Golden, CO. 80402-4014

20-Aug-90

Page: 1
Copy: 1 of 3
Set : 1

Attn: Mark Whitney
Project:

Received: 10-Aug-90 18:26

PO #: L-5007

Job: 902411R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-4 180-185	0.9	15
PY-4 185-190	0.2	5
PY-4 190-195	0.9	21
PY-4 195-200	1.1	12
PY-4 200-205	0.3	11
PY-4 205-210	0.7	20
PY-4 210-215	0.6	24
PY-4 215-220	0.5	36
PY-4 220-225	0.9	23
PY-4 225-230	1	34
PY-4 230-235	0.7	36
PY-4 235-240	4.6	40
PY-4 240-245	1	35
PY-4 245-250	0.9	33
PY-4 250-255	0.8	27
PY-4 255-260	1.6	17
PY-4 260-265	0.9	32
PY-4 265-270	0.2	18
PY-4 270-275	3.4	40
PY-4 275-280	0.7	25
PY-4 280-285	0.9	34
PY-4 285-290	1.2	48
PY-4 290-295	2.1	85
PY-4 295-300	1	199
PY-4 300-305	1.9	47
PY-4 305-310	8.4	220
PY-4 310-315	2.3	86
PY-4 315-320	2.5	686
PY-4 320-325	1.5	64
PY-4 325-330	2.8	58

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GMIC - SPARKS

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PY-4 180'-500'

PROJECT/AREA Pyramidal
STATE NV
COUNTY Washoe


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16000 W. 6TH AVE., SUITE 300
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20-Aug-90

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 Project:

Received: 10-Aug-90 18:26
 PO #: L-5007

Job: 902411R

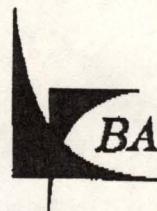
Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-4 330-335	1.4	56
PY-4 335-340	0.8	32
PY-4 340-345	0.9	29
PY-4 345-350	1	46
PY-4 350-355	1.1	69
PY-4 355-360	0.8	86
PY-4 360-365	0.5	64
PY-4 365-370	0.5	55
PY-4 370-375	0.4	53
PY-4 375-380	0.3	51
PY-4 380-385	2.1	54
PY-4 385-390	0.8	59
PY-4 390-395	3.4	47
PY-4 395-400	1	56
PY-4 400-405	1.1	47
PY-4 405-410	0.8	24
PY-4 410-415	1.6	47
PY-4 415-420	0.6	35
PY-4 420-425	0.7	29
PY-4 425-430	0.5	29
PY-4 430-435	0.7	33
PY-4 435-440	0.8	37
PY-4 440-445	0.7	62
PY-4 445-450	1	55
PY-4 450-455	0.9	22
PY-4 455-460	0.6	35
PY-4 460-465	0.7	46
PY-4 465-470	0.6	50
PY-4 470-475	0.9	80
PY-4 475-480	0.8	44

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08. 21. 90 07:59 AM *Barringer Labs, Inc. P10



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Page: 3
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Project:

Received: 10-Aug-90 18:26

PO #: L-5007

Job: 902411R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-4 480-485	1.7	308
PY-4 485-490	2.2	102
PY-4 490-495	2	78
PY-4 495-500	1.2	47

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20-Aug-90

Page: 4
 Copy: 1 of 3
 Set : 1

Attn: Mark Whitney
 Project:

Received: 10-Aug-90 18:26
 PO #: L-5007

Job: 902411R

Status: Final

Abbreviations:Parameters:

Ag : Silver
 Au : Gold

Methods:

AA : Atomic Absorption
 FA/AA : Fire Assay with AA finish

Units:

ppm : Parts per million
 ppb : Parts per billion

Signed:

.....
 Vernon K. Peterson
 Laboratory Manager

cc: Mark Whitney, Gold Fields Mining

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GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')

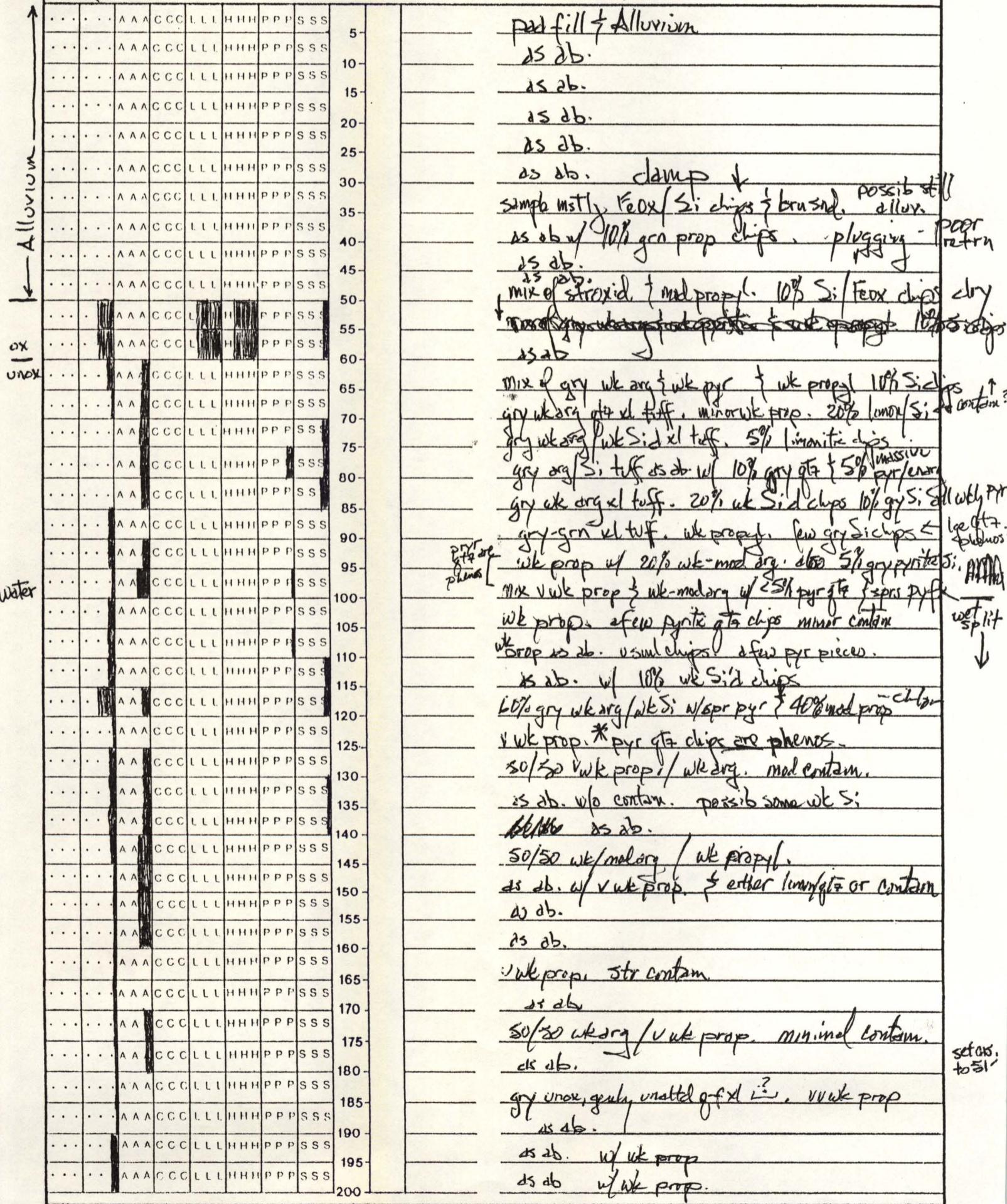
LOCATION Pyramid ProjectHOLE NUMBER PY4COORDINATES SW 1/4, NE 1/4, SW 1/4, Sec. 23, T23N, R21EELEVATION 5000' BEARING N55E INCLINATION -46° T.D. 500'DATE COMPLETED 8/7/90 DATE LOGGED 8/6-8/7 GEOLOGIST Whitney

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Sheet 1 of 3

propylite
Clays
Calcite
limonite
hematite
pyrite
silica

graphic log
assays



GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')

HOLE NUMBER PY 4

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Sheet 2 of 3

description

2nd biotite
Pyrite
Clays
calcite
limonite
hematite
pyrite
silica

graphic log
assays

...	AAACCCLLLHHHPPSSS	205	gray gnl unox/unaltered pyr. wt prop
...	AAACCCLLLHHHPPSSS	210	ds ab.
...	AAACCCLLLHHHPPSSS	215	ds ab.
...	AAACCCLLLHHHPPSSS	220	ds ab.
...	AAACCCLLLHHHPPSSS	225	mod prop & mod 2nd bio
...	AAACCCLLLHHHPPSSS	230	mod prop as ab. No bio. sps fx pyr
...	AAACCCLLLHHHPPSSS	235	ds ab.
...	AAACCCLLLHHHPPSSS	240	ds ab.
...	AAACCCLLLHHHPPSSS	245	5' top mix of wky blck & mod prop. still sps fx pyr
...	AAACCCLLLHHHPPSSS	250	ds ab.
...	AAACCCLLLHHHPPSSS	255	wk prop. sps fx pyr
...	AAACCCLLLHHHPPSSS	260	as ab.
...	AAACCCLLLHHHPPSSS	265	mod prop. sps & pyr rmtts, sps str bio
...	AAACCCLLLHHHPPSSS	270	mix of gray wt arg & 60% degen wt SICL, str chlor w/ wt 2nd bio is ab w/ poss Moly & Enargite on fr.
...	AAACCCLLLHHHPPSSS	275	Mod prop. vs 3' top 2nd bio. sp fx pyr.
...	AAACCCLLLHHHPPSSS	280	ds 265-270. [last 20' v. similar]
...	AAACCCLLLHHHPPSSS	285	wk-mod prop. w/ <10% gray blck chgs sp fx pyr
...	AAACCCLLLHHHPPSSS	290	gray wt arg over mod prop. sp fx pyr
...	AAACCCLLLHHHPPSSS	295	Mod prop. w/ sp fx pyr
...	AAACCCLLLHHHPPSSS	300	gray wt arg over wk prop. sp fx pyr.
...	AAACCCLLLHHHPPSSS	305	gy-wk wt-mod arg. 10% gray pyritic SICL sps v/w chkd top. *
...	AAACCCLLLHHHPPSSS	310	wk-mod prop. sp fx pyr sp 2nd bio mfr
...	AAACCCLLLHHHPPSSS	315	ds ab w/ 20% gray wt arg.
...	AAACCCLLLHHHPPSSS	320	Mod prop. wky blck chgs pyr chgs. rmtts, chky chgs
...	AAACCCLLLHHHPPSSS	325	mix of 60/40 wk prop / gray unaltered chgs sp fx pyr.
...	AAACCCLLLHHHPPSSS	330	mod prop. sp fx pyr. vs sps at 2nd bio
...	AAACCCLLLHHHPPSSS	335	ds ab.
...	AAACCCLLLHHHPPSSS	340	wk prop mix w/ wt arg sp fx pyr
...	AAACCCLLLHHHPPSSS	345	mod prop mix w/ wt arg sp fx pyr
...	AAACCCLLLHHHPPSSS	350	23 ab. vfew chgs w/ poss moly.
...	AAACCCLLLHHHPPSSS	355	mod prop sp fx pyr
...	AAACCCLLLHHHPPSSS	360	ds ab.
...	AAACCCLLLHHHPPSSS	365	ds ab.
...	AAACCCLLLHHHPPSSS	370	ds below
...	AAACCCLLLHHHPPSSS	375	mod prop. wk 2nd bio & pyr unfx
...	AAACCCLLLHHHPPSSS	380	ds ab w/ wt arg & unfx. bly broken. poor sample, grtts, fms, cor, tns
...	AAACCCLLLHHHPPSSS	385	Str pyr mod bio. ab. also calc. " "
...	AAACCCLLLHHHPPSSS	390	mod prop. wk bio sp pyr & sp calc unfx
...	AAACCCLLLHHHPPSSS	395	50/50 mix wt arg & mod prop. vsm chgs
...	AAACCCLLLHHHPPSSS	400	

Detailed Chip Log (1" = 20')

HOLE NUMBER

Ry 4

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Sheet 3 of 3

description

andalusite
pyrophyllite
clays
calcite
limonite
hematite
pyrite
silica

graphic log
assays

...	A A C C O L L L	H H H P P P S S S	405	de purple mod prop. 10% wt arg. sp f py / few chips w/ calc chgs.
...	A A C C O L L L	H H H P P P S S S	410	mod prop 30% wt arg. sp f py. sp calc.
...	A A C C C L L L	H H H P P P S S S	415	ds ab. wt 2nd bio.
...	A A C C C L L L	H H H P P P S S S	420	mod prop. wt 2nd bio. sp f py. sp g/py mltos
...	A A C C C L L L	H H H P P P S S S	425	mod prop wt 2nd bio sp f py 30% grt wt arg
...	A A C C C L L L	H H H P P P S S S	430	ds ab. <10% wt arg
...	A A C C C L L L	H H H P P P S S S	435	mod prop sp f py broken
...	A A C C C L L L	H H H P P P S S S	440	ds ab. solid
...	A A C C C L L L	H H H P P P S S S	445	wt arg over mod prop. sp f py siml chgs
...	A A C C C L L L	H H H P P P S S S	450	ds ab.
...	A A C C C L L L	H H H P P P S S S	455	mix 50/50 ds ab. { str prop
...	A A C C C L L L	H H H P P P S S S	460	mix 80/20 mod prop { wt arg sp f py
...	A A C C C L L L	H H H P P P S S S	465	ds ab.
...	A A C C C L L L	H H H P P P S S S	470	mod-str prop sp f py 1chp gpy
...	A A C C C L L L	H H H P P P S S S	475	ds ab. w/ sp g-py mltos
...	A A C C C L L L	H H H P P P S S S	480	prop ds ab. w/ 20% wt dry
...	A A C C C L L L	H H H P P P S S S	485	ds ab.
...	A A C C C L L L	H H H P P P S S S	490	mod arg-wht chg 10% siml pyritic chgs
...	A A C C C L L L	H H H P P P S S S	495	ds ab. folld by 1-2' of blk clay. bottom in mod prop as usual
...	A A C C C L L L	H H H P P P S S S	500	
...	A A C C C L L L	H H H P P P S S S	505	
...	A A C C C L L L	H H H P P P S S S	510	
...	A A C C C L L L	H H H P P P S S S	515	
...	A A C C C L L L	H H H P P P S S S	520	
...	A A C C C L L L	H H H P P P S S S	525	
...	A A C C C L L L	H H H P P P S S S	530	
...	A A C C C L L L	H H H P P P S S S	535	
...	A A C C C L L L	H H H P P P S S S	540	
...	A A C C C L L L	H H H P P P S S S	545	
...	A A C C C L L L	H H H P P P S S S	550	
...	A A C C C L L L	H H H P P P S S S	555	
...	A A C C C L L L	H H H P P P S S S	560	
...	A A C C C L L L	H H H P P P S S S	565	
...	A A C C C L L L	H H H P P P S S S	570	
...	A A C C C L L L	H H H P P P S S S	575	
...	A A C C C L L L	H H H P P P S S S	580	
...	A A C C C L L L	H H H P P P S S S	585	
...	A A C C C L L L	H H H P P P S S S	590	
...	A A C C C L L L	H H H P P P S S S	595	
...	A A C C C L L L	H H H P P P S S S	600	

PROJECT

PYRAMID

PG. 1 OF 1

HOLE # PY4
 INCLINATION -46°
 BEARING N55°E
 TOTAL DEPTH 500'

NORTHING _____
 EASTING _____
 ELEVATION 5000'

TWNSHP / RANGE, SEC.
SW $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec 23,
T23N, R21E

DATE
 START: 8/6/90
 FINISH: 8/7/90

COMPANY/DRILLING TYPE LANG - REV. CIRC.
 LOGGED BY (MSW)

COMMENT: ox/unox 60'. water @ 100'. → ~50 gpm by TD.
 propyllitic alt'n - chlorite, disseminated.
 Some contamination above 180'.
 set 50' of casing at that point.

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SILICO⁴ FE-O² MINERAL PYRITE, non-propylitic CLAY propyllitic

GEOLOGY

GRAV LOG

1000

0-50 Alluvium

50-500 quartz - feldspar 50
 dacite porphyry
 50-60 Feox/Si chips
 60-100 wk arg.
 75-80 gry qtz chips. Pyr/tenargite
 chips
 85-220 wk propylitic 100
 105-110 sp py chips
 110-120 sp wky Si'd chips

140-160 wk-mod arg. 150

170-180 wk arg

220-250 mod. prop.
 220-225 mod 2nd bio

240-250 wk arg. 250
 260-285 wk 2nd bio
 265-320 spfy wk arg.
 265-285 wk Si
 280-275 vsp Mo/tenargite(?)

305-310 sp gry py/Si chips 300
 310-400 mod-str propylitic.
 320-325 sp py & tenargite(?) chips

350-355 vsp Mo(?) 350

370-390 wk 2nd bio
 380-390 sp gry/pyr vnlts
 385-395 sp calc vnlts
 383-393 badly broken 400
 415-420 sp pyr/Si vnlts

415-480 sp gry/pyr vnlts
 490-495 sp pyr/Si chips
 495-500 1-2' blk chy. 500

CLAIM

LANG - REV. CIRC.

ASSAY - ppb Au



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20-Aug-90

Page: 5
Copy: 3 of 3
Set : 1

Attn: Mark Whitney
Project:

Received: 10-Aug-90 15:15

PO #: L-5008

Job: 902407R

Status: Final

Abbreviations:

Parameters:

Ag : Silver
Au : Gold

Methods:

AA : Atomic Absorption
FA/AA : Fire Assay with AA finish

Units:

ppm : Parts per million
ppb : Parts per billion

Quality control:

< : less than

Signed:

Vernon K. Peterson
Laboratory Manager

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Job: 902407R

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GFMC - SPARKS

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Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-5 0-5	3	44
PY-5 5-10	0.8	13
PY-5 10-15	1.6	24
PY-5 15-20	1.2	87
PY-5 20-25	1.1	6
PY-5 25-30	1.1	7
PY-5 30-35	1.9	30
PY-5 35-40	1.8	12
PY-5 40-45	1.1	13
PY-5 45-50	0.9	18
PY-5 50-55	0.8	10
PY-5 55-60	0.6	23
PY-5 60-65	0.5	18
PY-5 65-70	0.1	18
PY-5 70-75	0.3	43
PY-5 75-80	0.3	52
PY-5 80-85	0.4	48
PY-5 85-90	0.7	57
PY-5 90-95	0.6	39
PY-5 95-100	6.9	40
PY-5 100-105	1.1	17
PY-5 105-110	1	12
PY-5 110-115	0.6	19
PY-5 115-120	0.5	28
PY-5 120-125	0.2	26
PY-5 125-130	0.4	19
PY-5 130-135	0.5	12
PY-5 135-140	0.3	15
PY-5 140-145	0.4	20
PY-5 145-150	0.3	20

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PY-5 0'-500'
PROJECT/AREA Pyramid
STATE NV
COUNTY Wasco



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Page: 2
Copy: 3 of 3
Set : 1

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Project:

Received: 10-Aug-90 15:15

PO #: L-5008

Job: 902407R

Status: Final

Cutting

Sample Id		Ag AA ppm	Au FA/AA ppb
PY-5	150-155	0.4	26
PY-5	155-160	0.2	43
PY-5	160-165	0.4	56
PY-5	165-170	0.5	66
PY-5	170-175	3.8	92
PY-5	175-180	0.7	35
PY-5	180-185	0.5	50
PY-5	185-190	0.4	38
PY-5	190-195	0.5	20
PY-5	195-200	0.8	14
PY-5	200-205	0.8	17
PY-5	205-210	1.1	15
PY-5	210-215	0.8	14
PY-5	215-220	0.6	41
PY-5	220-225	1.6	22
PY-5	225-230	0.5	20
PY-5	230-235	0.4	17
PY-5	235-240	0.8	23
PY-5	240-245	0.3	28
PY-5	245-250	0.7	25
PY-5	250-255	0.7	29
PY-5	255-260	0.8	35
PY-5	260-265	1.9	54
PY-5	265-270	2	58
PY-5	270-275	1	68
PY-5	275-280	0.9	85
PY-5	280-285	0.5	61
PY-5	285-290	0.5	59
PY-5	290-295	0.9	49
PY-5	295-300	0.5	64

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20-Aug-90

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Copy: 3 of 3
Set : 1

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Project:

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PO #: L-5008

Job: 902407R

Status: Final

Cutting

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-5 300-305	0.6	83
PY-5 305-310	0.3	87
PY-5 310-315	0.3	81
PY-5 315-320	0.4	71
PY-5 320-325	0.8	69
PY-5 325-330	0.5	45
PY-5 330-335	0.3	48
PY-5 335-340	0.8	56
PY-5 340-345	0.8	26
PY-5 345-350	0.6	19
PY-5 350-355	0.5	35
PY-5 355-360	0.2	22
PY-5 360-365	0.4	23
PY-5 365-370	0.3	25
PY-5 370-375	0.6	30
PY-5 375-380	0.8	30
PY-5 380-385	0.3	35
PY-5 385-390	0.5	27
PY-5 390-395	0.7	28
PY-5 395-400	0.8	43
PY-5 400-405	0.2	63
PY-5 405-410	0.4	63
PY-5 410-415	0.5	46
PY-5 415-420	0.8	42
PY-5 420-425	0.6	46
PY-5 425-430	0.7	41
PY-5 430-435	0.5	47
PY-5 435-440	0.4	60
PY-5 440-445	1.7	32
PY-5 445-450	0.3	29

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20-Aug-90

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Sample Id		Ag AA ppm	Au FA/AA ppb
PY-5	450-455	0.1	32
PY-5	455-460	0.1	29
PY-5	460-465	0.4	<2
PY-5	465-470	1.7	13
PY-5	470-475	0.7	14
PY-5	475-480	0.6	29
PY-5	480-485	0.5	20
PY-5	485-490	0.3	18
PY-5	490-495	0.4	30
PY-5	495-500	0.2	42

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GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')
LOCATION Pyramid Project HOLE NUMBER PY5
COORDINATES NE 1/4, SW 1/4, NE 1/4, ■ Sec 23, T23N, R21E ■
ELEVATION 4900' BEARING N80E INCLINATION -45 T.D. 500'
DATE COMPLETED 8/8/90 DATE LOGGED 8/8/90 GEOLOGIST A. Whitney

Chlorite
Pyrite
Clays
Calcite
Limonite
Hematite
Pyrite
Silica

graphic log
assays

Sheet 1 of 3

.....	A	CCC	I	H	PPP	SSS		5	Mud arg & str, Feoxic/jars. xl trff. few wks Si'd wh wky arg? - str limon on frx. wk' jars. few Si'd ds ab. more abund limon
.....	AA	CCC	I	HHH	PPP	SSS		10	wh wk arg. sp str limon. yellow sump-jars
.....	AA	CCC	LL	HHH	PPP	SSS		15	ds ab. No limon
.....	AA	CCC	LL	HHH	PPP	SSS		20	ds ab.
.....	AA	CCC	LL	HHH	PPP	SSS		25	ds ab. w/ sp str limon
.....	AA	CCC	LL	HHH	PPP	SSS		30	ds ab. w/ " "
.....	AA	CCC	LL	HHH	PPP	SSS		35	ds ab. w/ sp (ge ft) pleno)
.....	AA	CCC	LL	HHH	PPP	SSS		40	ds ab.
.....	AA	CCC	LL	HHH	PPP	SSS		45	ds ab. w/ sp limon
.....	AA	CCC	LL	HHH	PPP	SSS		50	wh wky arg ds ab. abund str limon. mol jars
.....	AA	CCC	LL	HHH	PPP	SSS		55	ds ab. w/ sp hemat.
.....	AA	CCC	LL	HHH	PPP	SSS		60	arg ds ab. wk pr. sp Feox.
.....	A	CCC	LL	HHH	PPP	SSS		65	arg ds ab. abund str limon. vaporid chrys. No jars
.....	A	CCC	LL	HHH	PPP	SSS		70	mix 30% ds ab. w/ 70% moder. pyritic over wt prop. fine sump
.....	A	CCC	LL	HHH	PPP	SSS		75	wnox. pyritic wk-moder
.....	A	CCC	LL	HHH	PPP	SSS		80	" " Wk arg
.....	A	CCC	LL	HHH	PPP	SSS		85	mix of wky pyritic chrys wh ch. damp sticky
.....	A	CCC	LL	HHH	PPP	SSS		90	ds ab.
.....	A	CCC	LL	HHH	PPP	SSS		95	wk-moder arg sp Si'd chips pyrite
.....	A	CCC	LL	HHH	PPP	SSS		100	ds ab.
.....	A	CCC	LL	HHH	PPP	SSS		105	ds ab. 20% Si'd chips
.....	A	CCC	LL	HHH	PPP	SSS		110	ds ab. w/ sp Si'd chips
.....	A	CCC	LL	HHH	PPP	SSS		115	mix ds ab. 50% mol propyl - chrys
.....	A	CCC	LL	HHH	PPP	SSS		120	wk arg over mol prop
.....	A	CCC	LL	HHH	PPP	SSS		125	ds ab.
.....	A	CCC	LL	HHH	PPP	SSS		130	med arg over prop.
.....	A	CCC	LL	HHH	PPP	SSS		135	ds ab. broken - lge chrys. damp
.....	A	CCC	LL	HHH	PPP	SSS		140	wk arg over prop
.....	A	CCC	LL	HHH	PPP	SSS		145	ds ab.
.....	A	CCC	LL	HHH	PPP	SSS		150	ds ab.
.....	A	CCC	LL	HHH	PPP	SSS		155	wk-moder arg
.....	A	CCC	LL	HHH	PPP	SSS		160	ds ab.
.....	A	CCC	LL	HHH	PPP	SSS		165	ds ab. sp. grey Si'd chips. sp / pyr units
.....	A	CCC	LL	HHH	PPP	SSS		170	ds ab. " " 1 chip w/ Mo
.....	A	CCC	LL	HHH	PPP	SSS		175	ds ab. " " No Mo
.....	A	CCC	LL	HHH	PPP	SSS		180	ds ab. 20% mol Si'd chips 1 w/ Mo. sp fix
.....	A	CCC	LL	HHH	PPP	SSS		185	ds ab. 2 chip w/ Mo "
.....	A	CCC	LL	HHH	PPP	SSS		190	ds ab. 2 chip w/ Mo "
.....	A	CCC	LL	HHH	PPP	SSS		195	ds ab. 2 chip w/ Mo "
.....	A	CCC	LL	HHH	PPP	SSS		200	ds ab. 2 chip w/ Mo "

GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')

HOLE NUMBER

PY5

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description

Sheet 2 of 3

Argillite
Clays
Calcite
Limonite
Hematite
Pyrite
Silica

graphic log
assays

....	AA	CCC	LLL	HHH	PPP	SSS	205
....	AA	CCC	LLL	HHH	PPP	SSS	210
....	AA	CCC	LLL	HHH	PPP	SSS	215
....	AA	CCC	LLL	HHH	P	SSS	220
....	AA	CCC	LLL	HHH	P	SSS	225
....	AA	CCC	LLL	HHH	PPP	SSS	230
....	AA	CCC	LLL	HHH	PPP	SSS	235
?	AA	CCC	LLL	HHH	PPP	SSS	240
....	AA	CCC	LLL	HHH	PPP	SSS	245
....	AA	CCC	LLL	HHH	PPP	SSS	250
....	AA	CCC	LLL	HHH	PPP	SSS	255
....	AA	CCC	LLL	HHH	P	SSS	260
....	AA	CCC	LLL	HHH	P	SSS	265
....	AA	CCC	LLL	HHH	PPP	SSS	270
....	AA	CCC	LLL	HHH	PPP	SSS	275
....	AA	CCC	LLL	HHH	PPP	SSS	280
....	AA	CCC	LLL	HHH	PPP	SSS	285
....	AA	CCC	LLL	HHH	PPP	SSS	290
....	AA	CCC	LLL	HHH	PPP	SSS	295
....	AA	CCC	LLL	HHH	PPP	SSS	300
....	AA	CCC	LLL	HHH	PPP	SSS	305
....	AA	CCC	LLL	HHH	PPP	SSS	310
....	AA	CCC	LLL	HHH	PPP	SSS	315
....	AA	CCC	LLL	HHH	PPP	SSS	320
....	AA	CCC	LLL	HHH	PPP	SSS	325
....	AA	CCC	LLL	HHH	P	SSS	330
....	AA	CCC	LLL	HHH	P	SSS	335
....	AA	CCC	LLL	HHH	P	SSS	340
....	AA	CCC	LLL	HHH	P	SSS	345
....	AA	CCC	LLL	HHH	P	SSS	350
....	AA	CCC	LLL	HHH	P	SSS	355
....	AA	CCC	LLL	HHH	P	SSS	360
....	AA	CCC	LLL	HHH	P	SSS	365
....	AA	CCC	LLL	HHH	P	SSS	370
....	AA	CCC	LLL	HHH	P	SSS	375
....	AA	CCC	LLL	HHH	P	SSS	380
....	AA	CCC	LLL	HHH	P	SSS	385
....	AA	CCC	LLL	HHH	P	SSS	390
....	AA	CCC	LLL	HHH	P	SSS	395
....	AA	CCC	LLL	HHH	P	SSS	400

Wk arg. 10% Si'd chips. sp fx pyr. all wky
ds ab. arg slightly strgr
~~Wk arg~~ wky ds ab. 10% Si'd. sp fx pyr
Wk arg & Si'd ab. abund fx pyr.
ds ab.
arg & Si'd ds ab. sp fx pyr
ds ab.
ds ab.
Lt gray wky prop? 10% Si'd. 10% pyr & black
gray wky w/ 20% gr Si'd. surr pyr/black chips
Lt gray grn ds ab. vsf Si'd. vsf pyr
mix of grn-grn +3db, wky, and 20% Si'd chips
mix ds ab w/ 40% mod prop. common fx pyr
mod prop. 5% Si'd chips. vsf fx pyr
mod prop w/ sp grn wky arg & sp grn Si'd & sp pyr.
ds ab.
mod prop. 20% gr Si'd. sp fx pyr 1g-py untr.
ds ab w/ sp grn wky arg
ds ab.
mod prop. sp fx arg & fx pyr
mod prop. sp fx pyr
mix 50/50 mod prop & sry wky Si'd chips
ds ab
ds ab.
ds ab. 10% Si'd chips
~~Wk arg~~ 50/50 mod prop/wky arg vsf Si'd chips
gy wky arg. common fx pyr
ds ab. sp fx pyr
mod prop w/ sp grn Si'd & sp wky
wky arg over prop. 3 big pyr pieces
arg / prop ds ab.
wky arg. 10% gr Si'd chips. abund pyr chnkrs
Ab gr pyr, 10% Si'd chips & sp pyr. ds ab.
ds ab.
It grn grn, surr chips 1-sp pyr
wky arg. sp fx pyr. 10% gr Si'd chips
ds ab. sp Si'd. vsf pyr
ds ab.
ds ab.
mod prop w/ minor wky arg. 20% Si'd & column
fx pyr

GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1"= 20')

HOLE NUMBER

PY5

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description

Sheet 3 of 3

	Aspyr. Clays Calcite Limonite Hematite Pyrite Silica	CCC LLL	HHH PPP SSS	
405				
410				
415				
420				
425				
430				
435				
440				
445				
450				
455				
460				
465				
470				
475				
480				
485				
490				
495				
500				
505				
510				
515				
520				
525				
530				
535				
540				
545				
550				
555				
560				
565				
570				
575				
580				
585				
590				
595				
600				

mid prop w/ minor wk arg 20% wk Si'd. comm. fx pyr
 ds ab w/ sp Si & sp pyr
 ds ab w/ 5% Si
 ds ab
 mid prop w/ 10% Si'd chips sp fx pyr
 It grn wk prop. 5% Si'd - sp pyr
 wk to mid prop 10% Si'd - sp fx pyr
 ds ab
 grn wth Si'd. down fx pyr & rgrg - g ruff
 ds ab
 ds ab w/ 20% wk-mid prop. only sp pyr.
 5% / prop ds ab w/ comm pyr.
 mix of ~80/50 grn wth grn & wk Si
 ds ab w/ str fx & wk pyr
 ds ab w/ less pyr
 wk to mid arg w/ wk pyr & sp Si'd chips
 ds ab w/ wk arg only
 ds ab w/ wk prop.
 ds ab
 Wk sp Si'd is ab w/ 50% mid prop. T

PROJECT

Pyramid

PG. 1 OF 1

HOLE # PY5

INCLINATION -45°

BEARING N80°E

TOTAL DEPTH 500'

DATE START: 8/8/90
FINISH: 8/8/90

NORTHING

EASTING

ELEVATION 4900'

TWNSHP./RANGE, SEC.

NE $\frac{1}{4}$, SW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 23,
T23N, R21E

CLAIM

LANG - Rev. Circ.

M3W

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COMMENT: Ox/Unox @ 75'.
Water @ 155'. ~10gpm

COMPANY/DRILLING TYPE

LOGGED BY

ASSAY - ppb Au

GEOLOGY

GRAPHIC LOG

SILICATE

FE-OX

MINERAL

PYRITE, magnetite

CLAY

Pyrophyllite

1000

0-500' crystal tuff(?). Dr possibly qtz bearing dacite porph. (lge qtz phenos)

0-75 variable wk to str FeOx along ps + as chips. Also variable jarosite 50

0-10 sp wk Si'd chips

0-240 wk, occasionally mod redox dgr. altn.

45-70 sp wh Si chips

85-90 wh clay

95-115 sp Si'd chips 100

115-160 mod prop.-chlorite {
+3% diss. pyr.

135-140 broken - v. lge chips

150 - wet split ↓

170-190 sp grey Si'd chips

170-175 sp qtz/pyr vnlts

175-195 vsp Mo

195-205 sp grey Si'd chips 200

215-225 abund py on (xs. Signif?)

240-250 vsp pyr/chlor vnlts 250

265-330 mod prop.

280-285 vsp qtz/pyr vnlts

305-320 50/50 mix grey Si + mod prop. 300

345-350 3 lge pyr chips - xl. 350

355-360 abund sm pyr chips

440-450 abund qtz/pyr vnlts 450

465-470 abund qtz/pyr vnlts



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Mark Whitney
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GFMC - SPARKS

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Job: 902412R

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Sample Id	Ag AA ppm	Au FA/AA ppb
PY-6 0-5	0.4	17
PY-6 5-10	0.3	23
PY-6 10-15	0.2	14
PY-6 15-20	0.2	28
PY-6 20-25	0.4	23
PY-6 25-30	0.4	23
PY-6 30-35	0.2	27
PY-6 35-40	0.4	28
PY-6 40-45	0.3	33
PY-6 45-50	0.5	40
PY-6 50-55	0.8	24
PY-6 55-60	0.5	18
PY-6 60-65	0.6	20
PY-6 65-70	0.8	20
PY-6 70-75	0.6	9
PY-6 75-80	0.7	22
PY-6 80-85	0.7	25
PY-6 85-90	0.4	5
PY-6 90-95	0.4	21
PY-6 95-100	0.7	18
PY-6 100-105	0.8	27
PY-6 105-110	0.3	20
PY-6 110-115	0.3	15
PY-6 115-120	0.6	17
PY-6 120-125	0.5	28
PY-6 125-130	0.7	12
PY-6 130-135	0.6	14
PY-6 135-140	1.2	14
PY-6 140-145	0.6	13
PY-6 145-150	0.7	32

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PY-6 0'-600'
PROJECT AREA Pyramid
STATE NV
COUNTY Washoe



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Sample Id	Ag AA ppm	Au FA/AA ppb
PY-6 150-155	1	47
PY-6 155-160	0.6	20
PY-6 160-165	0.6	13
PY-6 165-170	0.6	12
PY-6 170-175	0.6	10
PY-6 175-180	1	13
PY-6 180-185	1	13
PY-6 185-190	0.9	14
PY-6 190-195	1.1	12
PY-6 195-200	1.2	22
PY-6 200-205	1.1	20
PY-6 205-210	0.9	14
PY-6 210-215	0.8	12
PY-6 215-220	0.8	21
PY-6 220-225	0.5	18
PY-6 225-230	0.3	19
PY-6 230-235	0.7	5
PY-6 235-240	0.5	15
PY-6 240-245	0.4	4
PY-6 245-250	0.6	23
PY-6 250-255	0.8	24
PY-6 255-260	0.4	10
PY-6 260-265	0.3	12
PY-6 265-270	0.4	16
PY-6 270-275	0.4	23
PY-6 275-280	0.7	15
PY-6 280-285	0.4	11
PY-6 285-290	0.4	19
PY-6 290-295	0.5	11
PY-6 295-300	0.4	16

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Sample Id	Ag AA ppm	Au FA/AA ppb
PY-6 300-305	0.5	17
PY-6 305-310	1.4	14
PY-6 310-315	0.5	18
PY-6 315-320	0.2	14
PY-6 320-325	0.2	17
PY-6 325-330	0.3	28
PY-6 330-335	0.2	141
PY-6 335-340	0.3	19
PY-6 340-345	0.3	28
PY-6 345-350	0.3	43
PY-6 350-355	0.3	26
PY-6 355-360	0.5	19
PY-6 360-365	0.9	28
PY-6 365-370	4.3	24
PY-6 370-375	0.8	14
PY-6 375-380	2	20
PY-6 380-385	0.4	49
PY-6 385-390	0.4	48
PY-6 390-395	0.4	51
PY-6 395-400	0.3	39
PY-6 400-405	0.3	39
PY-6 405-410	0.5	54
PY-6 410-415	0.3	25
PY-6 415-420	0.9	30
PY-6 420-425	0.9	28
PY-6 425-430	0.9	18
PY-6 430-435	1.3	12
PY-6 435-440	1.3	37
PY-6 440-445	5.2	38
PY-6 445-450	1.8	40

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Sample Id	Ag AA ppm	Au FA/AA ppb
PY-6 450-455	0.5	57
PY-6 455-460	0.5	50
PY-6 460-465	0.8	20
PY-6 465-470	1	30
PY-6 470-475	0.6	41
PY-6 475-480	0.8	74
PY-6 480-485	1	148
PY-6 485-490	0.8	65
PY-6 490-495	0.5	62
PY-6 495-500	0.6	39
PY-6 500-505	1.1	89
PY-6 505-510	0.9	193
PY-6 510-515	0.9	69
PY-6 515-520	1	80
PY-6 520-525	1	60
PY-6 525-530	1.2	14
PY-6 530-535	1	48
PY-6 535-540	0.7	37
PY-6 540-545	0.6	50
PY-6 545-550	0.7	40
PY-6 550-555	1	44
PY-6 555-560	1.7	39
PY-6 560-565	1.4	60
PY-6 565-570	0.8	50
PY-6 570-575	0.7	56
PY-6 575-580	1	54
PY-6 580-585	0.8	53
PY-6 585-590	0.9	36
PY-6 590-595	1	70
PY-6 595-600	1.6	60

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Sample Id	Ag AA ppm	Au FA/AA ppb
PY-6 600-605	1.8	49
PY-6 605-610	0.4	36
PY-6 610-615	0.4	32
PY-6 615-620	1.1	38

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Abbreviations:

Parameters:

Ag : Silver
Au : Gold

Methods:

AA : Atomic Absorption
FA/AA : Fire Assay with AA finish

Units:

ppm : Parts per million
ppb : Parts per billion

Signed:



.....
Vernon K. Peterson

Laboratory Manager

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1455 DEMING WAY, SUITE 15
SPARKS, NEVADA 89431
PHONE: (702) 358-1158

Mark Whitney
Gold Fields Mining
331 Freeport Blvd
Sparks, NV. 89431

[Signature] 16-Aug-90

Page: 1
Copy: 3 of 3
Set : 1

Attn: Mark Whitney
Project:

Received: 11-Aug-90 10:25

PO #: L-5010

Job: 902413R

Status: Final

CUT

Sample Id	Ag AA ppm	Au FA/AA ppb
PY-6 620-625	2.3	24
PY-6 625-630	0.7	16
PY-6 630-635	0.5	18
PY-6 635-640	0.5	38
PY-6 640-645	1	48
PY-6 645-650	0.8	44
PY-6 650-655	0.9	48
PY-6 655-660	0.9	82
PY-6 660-665	1.7	28
PY-6 665-670	0.8	22
PY-6 670-675	0.8	15
PY-6 675-680	0.6	6
PY-6 680-685	0.8	7
PY-6 685-690	0.7	19
PY-6 690-695	1.6	25
PY-6 695-700	0.8	108

RECEIVED

AUG 20 1990

GFMC - SPARKS

Gold Fields disclaims responsibility for the accuracy of these core(s), log(s), assays(s) and/or other document(s).

PY-6 620-700

PROJECT/AREA Pyramid
STATE NV
COUNTY Washoe



BARRINGER LABORATORIES INC.

15000 W. 6TH AVE., SUITE 300
GOLDEN, COLORADO 80401
PHONE: (303) 277-1687

1455 DEMING WAY, SUITE 15
SPARKS, NEVADA 89431
PHONE: (702) 358-1158

Mark Whitney
Gold Fields Mining
331 Freeport Blvd
Sparks, NV. 89431

16-Aug-90

Page: 2
Copy: 3 of 3
Set : 1

Attn: Mark Whitney
Project:

Received: 11-Aug-90 10:25

PO #: L-5010

Job: 902413R

Status: Final

Abbreviations:

Parameters:

Ag : Silver
Au : Gold

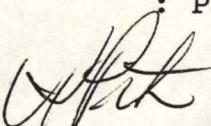
Methods:

AA : Atomic Absorption
FA/AA : Fire Assay with AA finish

Units:

ppm : Parts per million
ppb : Parts per billion

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Signed: 

Vernon K. Peterson
Laboratory Manager

GOLD FIELDS MINING CORPORATION

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Detailed Chip Log (1" = 20')

LOCATION Pyramid Project HOLE NUMBER PY6

COORDINATES SE 1/4, SW 1/4, NE 1/4, Sec 23, T23N, R21E
ELEVATION 4900' BEARING N.A. INCLINATION -90° T.D. 700'
DATE COMPLETED 8/10/10 DATE LOGGED 8/9-8/10 GEOLOGIST Whitney

pyrite
clay
calcite
limonite
hematite
silica

graphic log
assays

Sheet 1 of 4

description

.....	AA	CCC	LL	HHH	PPP	SSS	5	Alluvium.
.....	AA	CCC	LL	HHH	PPP	SSS	10	" w/ cyclone contam.
.....	AA	CCC	LL	HHH	PPP	SSS	15	" damp clay plugging interchange
.....	AA	CCC	LL	HHH	PPP	SSS	20	"
.....	AA	CCC	LL	HHH	PPP	SSS	25	" base @ 25' ? - drlr.
.....	AA	CCC	L	H	PPP	SSS	30	strly oxid xl tuff
.....	AA	CCC	L	H	PPP	SSS	35	"
.....	AA	CCC	LL	HHH	PPP	SSS	40	Mix-minor as ab. f gry med arg unox wk pyr xl tuff
.....	AA	CCC	LL	HHH	PPP	SSS	45	pyr f arg as ab. abund gry Si - phenos? minor contam
.....	AA	CCC	LL	HHH	PPP	SSS	50	as ab w/ wk prop
.....	AA	CCC	LL	HHH	PPP	SSS	55	No contam
.....	AA	CCC	LL	HHH	PPP	SSS	60	tgry mix wk arg w/ pyr f dk gry gry chloritic gtz-bio xl tuff.
.....	AA	CCC	LL	HHH	PPP	SSS	65	tgry-grn xl tuff. wk arg /wk prop v sp k pyr
.....	AA	CCC	LL	HHH	PPP	SSS	70	ds ab
.....	AA	CCC	LL	HHH	PPP	SSS	75	minor contam "
.....	AA	CCC	LL	HHH	PPP	SSS	80	ds ab.
.....	AA	CCC	LL	HHH	PPP	SSS	85	ds ab.
.....	AA	CCC	LL	HHH	PPP	SSS	90	No contam
.....	AA	CCC	LL	HHH	PPP	SSS	95	Mix as ab w/ 50% undtl bio gtz xl tuff
.....	AA	CCC	LL	HHH	PPP	SSS	100	ds ab. - more dtl. 70/30.
.....	AA	CCC	LL	HHH	PPP	SSS	105	wk arg
.....	AA	CCC	LL	HHH	PPP	SSS	110	Mix wk arg & wk prop
.....	AA	CCC	LL	HHH	PPP	SSS	115	as db?
.....	AA	CCC	LL	HHH	PPP	SSS	120	as ab.
.....	AA	CCC	LL	HHH	PPP	SSS	125	tgry wk arg diss ifg pyr ds all other samples
.....	AA	CCC	LL	HHH	PPP	SSS	130	ds ab
.....	AA	CCC	LL	HHH	PPP	SSS	135	as ab
.....	AA	CCC	LL	HHH	PPP	SSS	140	as ab
.....	AA	CCC	LL	HHH	PPP	SSS	145	as ab
.....	AA	CCC	LL	HHH	PPP	SSS	150	as ab
.....	AA	CCC	LL	HHH	PPP	SSS	155	as ab
.....	AA	CCC	LL	HHH	PPP	SSS	160	as ab.
.....	AA	CCC	LL	HHH	PPP	SSS	165	as ab.
.....	AA	CCC	LL	HHH	PPP	SSS	170	sp pyr chips
.....	AA	CCC	LL	HHH	PPP	SSS	175	as ab. sp clk gr Si'd chips
.....	AA	CCC	LL	HHH	PPP	SSS	180	as ab.
.....	AA	CCC	LL	HHH	PPP	SSS	185	as ab two mal prop chips
.....	AA	CCC	LL	HHH	PPP	SSS	190	as ab
.....	AA	CCC	LL	HHH	PPP	SSS	195	Mix w/ gry wk Si or unorg
.....	AA	CCC	LL	HHH	PPP	SSS	200	as ab "

GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')

HOLE NUMBER PY-6

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pyrrhotite
Clays
Calcite
limonite
hematite
Pyrite
Silica

graphic log
assays

Sheet 2 of 4
description

...	...	AA	CCC	LLL	HHH	PPP	SSS	205-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	210-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	215-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	220-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	225-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	230-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	235-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	240-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	245-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	250-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	255-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	260-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	265-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	270-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	275-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	280-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	285-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	290-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	295-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	300-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	305-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	310-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	315-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	320-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	325-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	330-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	335-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	340-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	345-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	350-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	355-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	360-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	365-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	370-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	375-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	380-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	385-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	390-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	395-		
...	...	AA	CCC	LLL	HHH	PPP	SSS	400-		

50% pyr

GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1" = 20')

HOLE NUMBER RJ 6

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Sheet 3 of 4
description

	A	CCC	LLL	HHH	PPP	SSS	405-	
....	AA	CCC	LLL	HHH	PPP	SSS	410-	
....	AA	CCC	LLL	HHH	PPP	SSS	415-	
....	AA	CCC	LLL	HHH	PPP	SSS	420-	
....	AA	CCC	LLL	HHH	PPP	SSS	425-	
....	A	CCC	LLL	HHH	PPP	SSS	430-	
....	AA	CCC	LLL	HHH	PP	SS	435-	
....	AA	CCC	LLL	HHH	PP	SSS	440-	
....	AA	CCC	LLL	HHH	PP	SSS	445-	
....	AA	CCC	LLL	HHH	PP	SSS	450-	
....	AA	CCC	LLL	HHH	PP	SSS	455-	
....	AA	CCC	LLL	HHH	PP	SSS	460-	
....	AA	CCC	LLL	HHH	PP	SSS	465-	
....	AA	CCC	LLL	HHH	PP	SSS	470-	
....	AA	CCC	LLL	HHH	PP	SSS	475-	
....	AA	CCC	LLL	HHH	PP	SSS	480-	
....	AA	CCC	LLL	HHH	PP	SSS	485-	
....	AA	CCC	LLL	HHH	PP	SSS	490-	
....	AA	CCC	LLL	HHH	PP	SSS	495-	
....	AA	CCC	LLL	HHH	PP	SSS	500-	
....	AA	CCC	LLL	HHH	PP	SSS	505-	
....	AA	CCC	LLL	HHH	PP	SSS	510-	
....	AA	CCC	LLL	HHH	PP	SSS	515-	
....	AA	CCC	LLL	HHH	PP	SSS	520-	
....	AA	CCC	LLL	HHH	PP	SSS	525-	
....	AA	CCC	LLL	HHH	PP	SSS	530-	
....	AA	CCC	LLL	HHH	PP	SSS	535-	
....	AA	CCC	LLL	HHH	PP	SSS	540-	
....	AA	CCC	LLL	HHH	PP	SSS	545-	
....	AA	CCC	LLL	HHH	PP	SSS	550-	
....	AA	CCC	LLL	HHH	PP	SSS	555-	
....	AA	CCC	LLL	HHH	PP	SSS	560-	
....	AA	CCC	LLL	HHH	PP	SSS	565-	
....	AA	CCC	LLL	HHH	PP	SSS	570-	
....	AA	CCC	LLL	HHH	PP	SSS	575-	
....	AA	CCC	LLL	HHH	PP	SSS	580-	
....	AA	CCC	LLL	HHH	PP	SSS	585-	
....	AA	CCC	LLL	HHH	PP	SSS	590-	
....	AA	CCC	LLL	HHH	PP	SSS	595-	
....	AA	CCC	LLL	HHH	PP	SSS	600-	

GOLD FIELDS MINING CORPORATION

Detailed Chip Log (1"= 20')

HOLE NUMBER Py 6

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Sheet 4 of 4

description

graphic log
assays

Pyrophyllite
Clays Calcite Limonite hematite Pyrite Silica

PROJECT

PYRAMID

PG. 1 OF 2

HOLE # PY-6
 INCLINATION -90°
 BEARING —
 TOTAL DEPTH 700'
 DATE START: 8/9/90
 FINISH: 8/10/90

NORTHING _____
 EASTING _____
 ELEVATION 4900'

TWNSHP./RANGE, SEC.
SE 1/4, SW 1/4, NE 1/4, Sec 23,
T23N R21E

CLAIM _____
 COMPANY/DRILLING TYPE LANG - REV. C.R.C.
 LOGGED BY MSW

COMMENT: ox/unox @ 35'
water @ 55' ~ 20gpm by TD

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ASSAY - ppb Au

GEOLOGY

GRAPHIC LOG
 SILICA
 FE-ox
 MINERAL
 PYRITE, non-pyritic
 CLAY
 Propylitic

1000

0-25 Alluvium
 25-700' biotite, at, feldspar
 crystal tuff
 25-35 str Feox
 35-430 genly wk arg w/
 1-3% vfg disseminated pyr.
 465-180 sp sm. py chips
 170-175 sp dk gr Si'd chips
 190-195 gr wksid (?) chips
 200-260 sp gr wksid chips
 275-290 sp gr Si'd chips
 295-300 sp sm. pyr chips
 325-330 spty wk Si
 335-340 vspty wk Si
 340-345 aboud core py xl chips
 345-360 sp py chips
 370-400 sp gr Si'd chips
 380-405 mod-str arg. wchly
 380-390.
 380-410 inter to 5-7% dissempy
 w/ sp to comon py chips
 410-420 unident tan chips
 420-450 sp > aboud py chips
 435-445 pars lsp py/every chips
 450 - shift from arg-to 450
 propyl. dltal.
 470-500 sp py chips

GEOLOGY

GRAPHIC LOG

S/L/C^A

FE₃O₄

MINERAL

CLAY

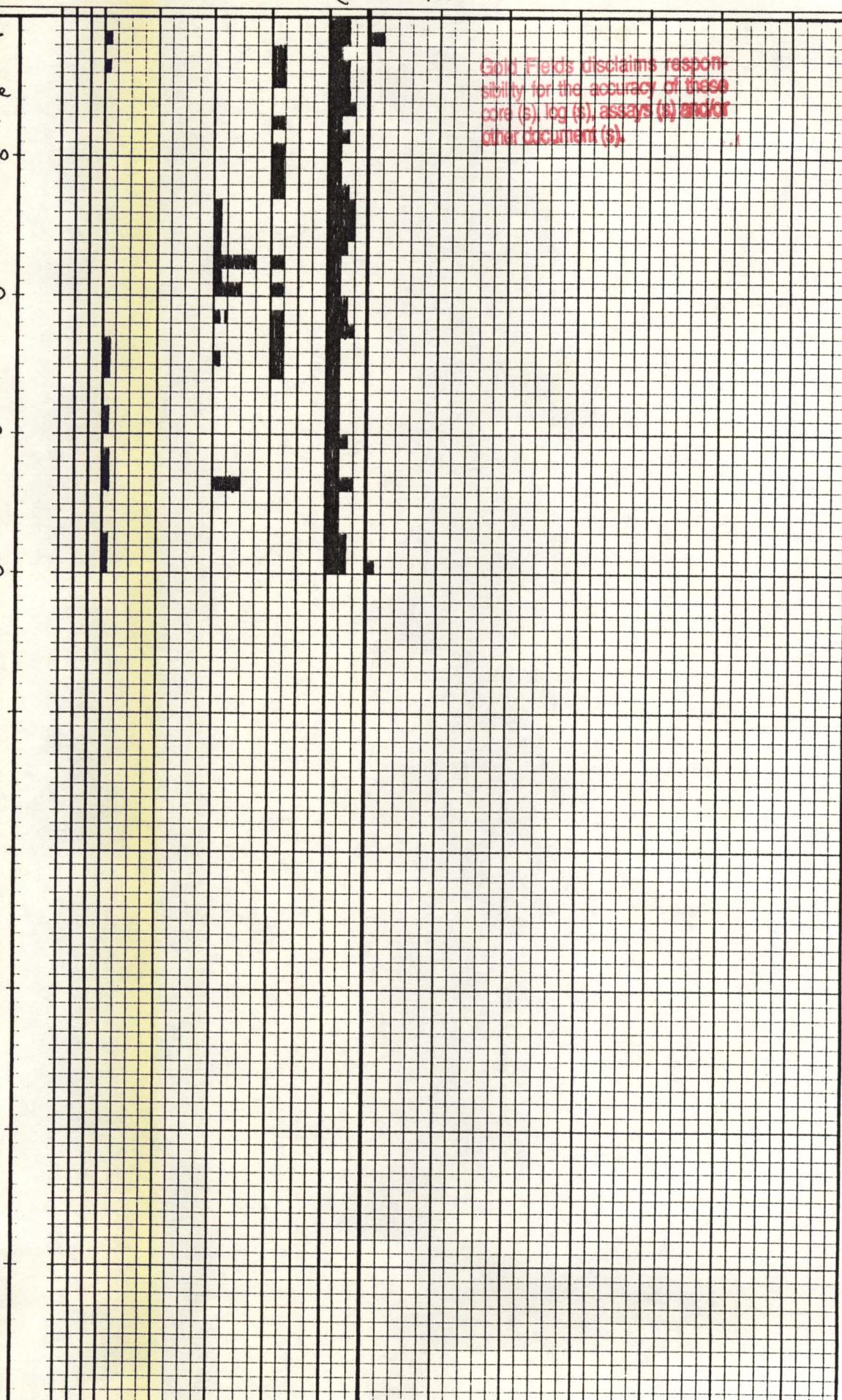
Droopy little

1000

ASSAY - ppb Au

25'-700' biotite, qtz, feldspar
 crystal tuff
 450-700 propyl. ± Hn. - variable
 530-550 vsp sml chips of brn
 sphal.
 565-600 sp abnd sml
 py chips

605-610 sp pyr chips
 615-630 sp gry wk Si chips
 620-625 sp pyr chips
 640-670 sp gry wk Si'd chips
 650
 665-670 conn. py xl chips
 685-700 sp gry wk Si'd chips
 700
 700' TD



COMMENTS:


COORDINATES NW 1/4, SW 1/4, SW 1/4, Sec 15, T23N, KCIE E
 ELEVATION 4550' BEARING N46°E INCLINATION -45° T.D. 560'
 DATE COMPLETED 8/1/90 DATE LOGGED 7/31-8/1 GEOLOGIST Whitney

Graphic log
 Assays As Pb
 Other documents (s)

Sheet 1 of 3

description

	8
	mixed dump and propyl. xl lithic tuff
	propyl xl lith. tuff. wk limon on fcs.
	str propyl xl lith. tuff. 30% wh milky gr.
	propyl xl lith. tuff
5	"
10	"
15	"
20	"
25	"
30	"
35	"
40	"
45	"
50	"
55	"
60	"
65	"
70	"
75	"
80	"
85	"
90	"
95	"
100	"
105	"
110	"
115	"
120	"
125	"
130	"
135	"
140	"
145	"
150	"
155	"
160	"
165	"
170	"
175	"
180	"
185	"
190	"
195	"
200	"



EXPLANATION:

- ① FEE Property and Owner Number
- ② CLAIM and Claimant Number
- △ LEASED Claim and Claimant Number
- Leased to GFMC
- GFMC Claim

Pre-existing Road

--- Proposed Roads to be constructed - GFMC

PROPOSED DRILL HOLE

PYRAMID PROJECT - LIST OF PROPERTY & CLAIM OWNERS

1. Golden Crescent Corporation - Mark Emerson
2. Emerson, M.
3. Pioneer Resources
4. Anderson, J.
5. Watson, J. & R.
6. Vanderbilt Gold Corp.
7. Lovelock, B. and Ferguson, E. et al
8. Lovelock, B., Ferguson, E., and White, Sr., R.
9. Curtis, B. and Ferguson, E. et al
10. U.S. Mining and Exploration
11. Drieger, H. et al
12. Smith, J. and Adams, J. et al
13. Nemech, H.
14. Area West, Inc.
15. Cattlemen's Properties Inc.
16. Apex 76 Deep Mine Co.
18. Gallaway Company
19. Ketchen, J. & S.
20. Ketchen, J. & S.
21. Cattlemen's Title Guarantee Co. Tr., U/C Jinkers, J.
22. MCO Properties, Inc. - U/C McClintchy, W.
23. MCO Properties, Inc. - U/C May, J. et al.
24. Cattlemen's Title Guarantee Co. Tr.
25. MCO Properties, Inc. - U/C Connolly, D. & L.
26. David, G. & G.
27. Puls, J.
28. Puls, R.
29. Wise, R.
30. Hawkins, B.
31. Liberty, M.
32. Baker, R.
33. Moore, E.
34. Wild Horse Enterprises
35. Wild Horse Land Realtor - U/C Nemeth, E.
36. Taco Properties - U/C Robertson, G. Tr.
37. Johns, R. & P.
38. Wright Boiler Co.
39. Jones, B. R.
40. Pizorno, L.
41. Washoe County
42. Rapp, R.
43. Rapp, M.
44. Denison, J. & B. et al
45. Marinacco, J. et al
46. Palomino Valley Estates
47. Jones, S.
48. First American Title Co.
49. Byington, M.
50. Rae, B. & S.
51. Rae, B. L.
52. C & M Music
53. Swain, R.
54. Long, G. & J.
55. LaCombe, G. & L.
56. LaCombe, G. & E.
57. LaCombe, G. & T.
58. Schwartz, V.
59. Marko, J. & B.
60. Marks, Sr., D. et al
61. Smith, E. & L.
62. Drieger, D. et al
63. Wright, D. et al
64. Taylor, J. & R.
65. Ryan, P. & R.
66. Scalabino, W.
67. Hill, C. and Gottsch, A.
68. Branch, J.
69. Kramer, J. & D. et al
70. Cattlemen's Properties Inc.
71. Cowan, G. & G.
72. Tanner, G. & J.
73. Hayes, G. et al
74. Hafner, W.
75. Jones, L.
76. Pepple, H. et al
77. Claypool, T. & S.
78. Long, P.
79. Jerome, P. & K.
80. Pruitt, J.
81. Euter, J. & U.
82. Palomino Valley Improvement District
83. Donahue, T.
84. Miller, H.O. & S.C.
85. Chapline, C.S.

1000' 0 1000' 2000'

GOLD FIELDS MINING CORP.
A CONSOLIDATED GOLD FIELDS GROUP COMPANY

PYRAMID PROJECT
Washoe County, Nevada T23N R21E

Date: 6/80 Scale: 1:12,000
Revised: Map Number:
Data Source: TULE PK TD, FRASER FLAT 7.5, BUTCLIFFE 7.5,
MOSES ROCK 7.5

LAND STATUS

3720 0067