60001588

Mining District File Summary Sheet

DISTRICT	Rosebud
DIST_NO	4010
COUNTY If different from written on document	Pershing
TITLE If not obvious	Rosebud Drill Hole File - Hole No. KM-6
AUTHOR	D. Bird
DATE OF DOC(S)	1986 - 1990
MULTI_DIST Y / N? Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Rosebud Project; Lac Minerals Exploration (Texas) Inc. Freeport - McMoran Gold Co.
COMMODITY If not obvious	gold silver
NOTES	Drill log; geology; assay; total depth 400' handwritten notes ~~3~~ p. 33

Keep docs at about 250 pages if no oversized maps attached
(for every 1 oversized page (>11x17) with text reduce
the amount of pages by ~25)

SS: DD 6/2/08
Initials Date
DB: Meh
Initials Date
SCANNED: NV Blue
Initials Date

Revised: 1/22/08

Drill log Km-6
Rosebud

6000 1588 4010

60001588

LAC

LAC MINERALS EXPL. (TEXAS) INC.

DRILL LOG SUMMARY SHEET

PROJECT Rosebud

HOLE NUMBER KM-6 TOTAL DEPTH 400' LOGGED BY _____

Date started _____

Date completed _____

Initial bearing _____

Initial inclination VERT

Elevation 5310.3

Collar coordinates:

N 2205079.0

E 482702.8

Contractor _____

Drill Type _____

Hole Size _____

Comments _____

Data by PC Ex

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Easting)	Y (Northing)	Z (Elevation)

SAMPLE NUMBER	INTERVAL FROM	TO	DESCRIPTION	FM	Graphic	DIP	DHT	FIRE oz/ton	RO[illegible]A oz/ton	COLD CN oz/ton
KM-6	0	5	Vari-colored, dirty frgmtl - intrmd. comp.							
	5	10	Mostly light gray felsic frgmtl ; wk. clays							
	10	20	Darker colored ; intrm comp. ; loc. Hem / Lim ; loc. rp'cmt Qtz.							
	20	30	Med. grays, browns, greens ; Intrmdt comp.							
	30	50	Lt. green-brown fels. frgmtl ; mod. clay , wk Qtz locally							
	50	60	Lt. brown felsic frgmtl (?) ; v. str. clay ; mod. Qtz (f.g.)							
	60	65	Lt. gray-brown-green fels. frgmtl ; mod. rplcmt Qtz							
	65	75	Same + mod-str Hem. on fracs ; wk. Lim ; brxtn ?							
	75	80	Lt gray-brown-green felsite w/ str dense, f.g. Qtz, mod-str Hem on fracs, loc. wk. Lim.							
	80	85	same ; less Hem. & Lim ; less Qtz.							
	85	90	Lt. gray, green fels. frgmtl ; 2% Py ; mod. white & gray dense rplcmt Qtz ; mod. Lim, wk Hem							
	90	95	Lt. gray felsite ; loc. rplcmt Qtz ; wk. gray Qtz veinlets ; tr. Py							
	95	105	Lt. gray felsite frgmtl ; 1-2% Py ; tr. Qtz ; wk. clay ; loc. tres Lim.							
	105	110	Same + 5% Py ; brxtn observed locally							
	110	115	same + 1-2% Py							
	115	130	Lt. gray frgmtl ; 1-2% Py ; loc. rplcmt Qtz. ; brxtn loc. ; loc. clay							
	130	135	Mix. of lt. gray frgmtl + red/brown silcs. rx ; tr. Py							
	135	140	same + drusy Qtz observed locally							
	140		* Fault zone * Brxtd ; clay rplcmt of clasts ; mod. dism Py. silcfd Gen							
	140	145	Red-brown + lt. gray felsic frgmtl ; loc. siliceous, 1% Py							
	145	170	Lt. gray-green felsite ; loc. Qtz ; 1-2% Py.							
	170	175	Same + tr. Lim. L as rplcmts & drusses							
	175	180	Same + lost Lim (contmntn ?)							
	180	205	Lt. gray fels. frgmtl ; mod-str. rplcmt Qtz (f.g.) ; 1% Py ; loc observed brxtn							
	205	225	Med. gray frgmtl felsite, loc. Qtz ; 1% Py ; mod. clays							
	225		* Fault zone * Brx ; silcs gm - Qtz rplcd - fine - med grd, drusy. dism. Py							
	225	235	Med. gray - lt. brown-red fels. frgmtl ; loc. Qtz & clay, wk Py							
	235	270	Lt. - med. gray frgmtl ; 1% Py ; loc. Qtz ; loc clay							
	270	275	same + 5% Py							

SAMPLE NUMBER	INTERVAL FROM	TO	DESCRIPTION	FM	Graphic	DIP	DHT	FIRE oz/ton	ROAST A oz/ton	COLD CN oz/ton
UM-6	275	310	Lt.-med. gray felsic fgmtl; loc. qtz; loc clay rplcmt;		170	Py				
	310	320	Med. gray fgmtl + dk. brown-red jaspar-like fgmtl; loc. clay rplcmt;					loc. Py		
	320	335	Dk. brown-red fgmtl; tr. white grainy qtz							
	335	350	Dk. gray + red fgmtl; loc. clay							
	350	365	Med. gray + dk. red-brown fgmtl; loc. white-gray qtz; tr. Py; loc. clay;					Hematite ?		
	365	385	Dk. red-brown fgmtl + med. gray fgmtl; tr. Py							
	385	400	Med-dk. gray fgmtl; loc. clay rplcmt; loc. wk Py.							

SAMPLE NUMBER	INTERVAL FROM	TO	DESCRIPTION	FM	Graphic	DIP	DHT	FIRE oz/ton	ROAST AA oz/ton	COLD CN oz/ton
KM-6	0	5	Vari-colored, dirty frgmtl - intrmd. comp.							
	5	10	Mostly light gray felsic frgmtl ; wk. clays							
	10	20	Darker colored ; intrm comp. ; loc. Hem / Lim ; loc. rplcmt Qtz.							
	20	30	Med. grays, browns, greens ; Intrmdt comp.							
	30	50	Lt. green-brown fels. frgmtl ; mod. clay , wk Qtz locally							
	50	60	Lt. brown. felsic frgmtl (?) ; v. str. clay ; mod. Qtz (f.g.)							
	60	65	Lt. gray-brown-green fels. frgmtl ; mod. rplcmt Qtz							
	65	75	Same + mod-str Hem. on fracs ; wk. Lim ; brxtn ?							
	75	80	Lt gray-brown-green felsite w/ str dense, f.g. Qtz, mod-str Hem on fracs, loc. wk. Lim.							
	80	85	same ; less Hem. & Lim ; less Qtz.							
	85	90	Lt. gray, green fels. frgmtl ; 2% Py ; mod. white & gray dense rplcmt Qtz ; mod. Lim, wk Hem.							
	90	95	Lt. gray felsite ; loc. rplcmt Qtz ; wk. gray Qtz veinlets ; tr. Py							
	95	105	Lt. gray felsite frgmtl ; 1-2% Py ; tr. Qtz ; wk. clay ; loc. tres Lim.							
	105	110	Same + 5% Py ; brxtn observed locally							
	110	115	same + 1-2% Py							
	115	130	Lt. gray frgmtl ; 1-2% Py ; loc. rplcmt Qtz. ; brxtn loc. ; loc. clay							
	130	135	Mix. of lt. gray frgmtl + red/brown silcs. rx ; tr. Py							
	135	140	same + drusy Qtz observed locally							
	140		* Fault zone * Brxtd ; clay rplcmt of clasts ; mod. dism Py. silcfd GM							
	140	145	Red-brown + lt gray felsic frgmtl ; loc. siliceous ; 1% Py							
	145	170	Lt. gray-green felsite ; loc. Qtz ; 1-2% Py.							
	170	175	Same + tr. Lim. Las rplcmts & drusies							
	175	180	Same + lost Lim (contmntn ?)							
	180	205	Lt. gray fels. frgmtl ; mod-str. rplcmt Qtz (f.g.) ; 1% Py ; loc observed brxtn							
	205	225	Med. gray frgmtl felsite ; loc. Qtz ; 1% Py ; mod. clays							
	225		* Fault zone * Brx ; silcs GM - Qtz rplcd - fine - med grd , drusy. disim Py							
	225	235	Med. gray - lt brown-red fds. frgmtl ; loc. Qtz & clay ; wk Py							
	235	270	Lt. - med. gray frgmtl ; 1% Py ; loc Qtz , loc Clay							
	270	275	Same + 5% Py							

ANOMALY NAME _____ HOLE NO. _____ SHEET _____ OF _____

SAMPLE NUMBER	INTERVAL FROM	TO	DESCRIPTION	FM	Graphic	DIP	DHT	FIRE oz/ton	ROAST AA oz/ton	COLD CN oz/ton
UM-6	275	310	Lt.-med. gray felsic frgmtl; loc. qtz; loc clay rplcmt; 1% Py.							
	310	320	Med. gray frgmtl + dk. brown-red jasper-like frgmtl; loc. clay rplcmt; loc. Py							
	320	335	Dk. brown-red frgmtl; tr. white grainy qtz							
	335	350	Dk. gray + red frgmtl; loc. clay							
	350	365	Med. gray + dk. red-brown frgmtl; loc. white-gray qtz; tr. Py; loc. clay; Hematitic ?							
	365	385	Dk. red-brown frgmtl + med. gray frgmtl; tr-Py							
	385	400	Med-dk. gray frgmtl; loc. clay rplcmt; loc. wk Py.							

ANOMALY NAME _____ HOLE NO. _____ SHEET ____ OF ____

KM-6 Quick Log Feb. 7, 1990

0 - 30 OVERBURDEN

30 - 90 Highly altered bleached silicified locally brecciated, oxidized pyroclastics

90 - 155 Pyroclastic - white, orange ± green bleach
130-145 ↑ pervasive silicification

155 - 230 Bleached; clay alt poss pyro + tuff or sicv weak local chalcedonic silicify + pyrite peach to buff 210-220 frag present

230 - 315 Peach; tint green alt frag - pyro or lithic tuff
275-300 ↑ pervasive silicify FGT
300-315 grainy tuff

315 - 400 Red matrix breccia
390-400 w/ ↑ bl ↑ smec/chl alt

LAC MINERALS EXPL. (TEXAS) INC.

DRILL LOG SUMMARY SHEET

PROJECT Rosebud

HOLE NUMBER KM-6 TOTAL DEPTH 400' LOGGED BY _____

Date started _____

Date completed _____

Initial bearing _____

Initial inclination VERT

Elevation 5310.3

Collar coordinates:

N 2205079.0

E 482702.8

Contractor _____

Drill Type _____

Hole Size _____

Comments _____

Data by M
PC Expl

DOWN HOLE SURVEY INFORMATION

FROM	TO	SURVEY POINT	INCLI-NATION	BEARING	X (Easting)	Y (Northing)	Z (Elevation)

SAMPLE NUMBER	INTERVAL FROM	TO	DESCRIPTION	FM	Graphic	DIP	DHT	FIRE oz/ton	ROM A oz/ton	COLD CN oz/ton
KM-6	0	5	Vari-colored, dirty fgmtl - intrmd. comp.							
	5	10	Mostly light gray felsic fgmtl ; wk. clays							
	10	20	Darker colored ; intrm comp. ; loc. Hem / Lim ; loc. rplant Qtz.							
	20	30	Med. grays, browns, greens ; Intrmdt comp.							
	30	50	Lt. green-brown fels. fgmtl ; mod. clay , wk Qtz locally							
	50	60	Lt. brown felsic fgmtl (?) ; v. str. clay ; mod. Qtz (f.g.)							
	60	65	Lt. gray-brown-green fels. fgmtl ; mod. rplcmt Qtz							
	65	75	Same + mod-str Hem. on fracs ; wk. Lim ; brxtn ?							
	75	80	Lt gray-brown-green felsite w/ str dense, f.g. Qtz, mod-str Hem on fracs, loc. wk. Lim.							
	80	85	Same ; less Hem. & Lim ; less Qtz.							
	85	90	Lt. gray, green fels. fgmtl ; 2% Py ; mod. white & gray dense rplcmt Qtz ; mod. Lim, wk Hem							
	90	95	Lt. gray felsite ; loc. rplcmt Qtz ; wk. gray Qtz veinlets ; tr. Py							
	95	105	Lt. gray felsite fgmtl ; 1-2% Py ; tr. Qtz ; wk. clay ; loc. tr Lim.							
	105	110	Same + 5% Py ; brxtn observed locally							
	110	115	same + 1-2% Py							
	115	130	Lt. gray fgmtl ; 1-2% Py ; loc. rplcmt Qtz. ; brxtn loc. ; loc. clay							
	130	135	Mix. of lt. gray fgmtl + red/brown silcs. rx ; tr. Py							
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	225		* Fault zone * Brx ; silcs GM - Qtz rplcd - fine - med grd, drusy. dism Py							
	225	235	Med. gray - lt brown-red fds. fgmtl ; loc. Qtz & clay ; wk Py							
	235	270	Lt. - med. gray fgmtl ; 1% Py ; loc. Qtz , loc clay							
	270	275	same + 5% Py							

SAMPLE NUMBER	INTERVAL FROM	TO	DESCRIPTION	FM	Graphic	DIP	DHT	FIRE oz/ton	ROAST A oz/ton	COLD CN oz/ton
UM-6	275	310	Lt.-med. gray felsic frgmtl; loc. qtz; loc clay rplcmt;	170		Py				
	310	320	Med. gray frgmtl + dk. brown-red; jaspar-like frgmtl;	loc. c		lay rplcmt;		loc. Py		
	320	335	Dk. brown-red frgmtl; tr. white grainy qtz							
	335	350	Dk. gray + red frgmtl; loc. clay							
	350	365	Med gray + dk. red-brown frgmtl; loc. white-gray qtz;	tr. Py		loc. c	lay;	Hematitic ?		
	365	385	Dk. red-brown frgmtl + med-gray frgmtl; tr. Py							
	385	400	Med-dk. gray frgmtl; loc. clay rplcmt; loc. wk Py.							

KM-6 Quick Log Feb. 7, 1990

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130-145 ↑ pervasive silicification

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230 - 315 Peach; light green alt frag - pyro or lithic tuff
275-300 ↑ pervasive silicify FGT
300-315 grainy tuff

315 - 400 Red matrix breccia
390-400 w/ ↑ bl ↑ smec/chl alt

CONE GEOCHEMICAL INC.
810 Quail Street, Suite I
Lakewood, Colorado 80215
(303) 232-8371

Job 8092
3-Jan-86
Page 1

ANALYTICAL REPORT

Dave Bird
Freeport McMoRan Gold Co.
P.O. Box 41330
Reno, NV 89504

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-6 0- 5		0.02
KM-6 5- 10	<.2	<.02
KM-6 10- 15		<.02
KM-6 15- 20	<.2	<.02
KM-6 20- 25		<.02
KM-6 25- 30	<.2	<.02
KM-6 30- 35		<.02
KM-6 35- 40	<.2	<.02
KM-6 40- 45		<.02
KM-6 45- 50	0.2	<.02
KM-6 50- 55		0.03
KM-6 55- 60	1.5	0.05
KM-6 60- 65		0.03
KM-6 65- 70	3.6	0.03
KM-6 70- 75		0.06
KM-6 75- 80	2.8	0.08
KM-6 80- 85		[redacted]
KM-6 85- 90	1.0	0.02
KM-6 90- 95		0.02
KM-6 95-100	1.6	0.03
KM-6 100-105		0.03
KM-6 105-110	1.6	0.04
KM-6 110-115		0.03
KM-6 115-120	1.4	0.07
KM-6 120-125		0.02
KM-6 125-130	1.8	<.02
KM-6 130-135		0.04
KM-6 135-140	1.1	0.09
KM-6 140-145		0.03
KM-6 145-150	1.5	0.02
KM-6 150-155		0.04
KM-6 155-160	1.4	0.03
KM-6 160-165		[redacted]
KM-6 165-170	2.2	[redacted]
KM-6 170-175		[redacted]

METHOD	AA/BC	A.A.
DIGESTION	4Acid	AqReg
PRECISION	20%	20%

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Job 8092
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Page 2

ANALYTICAL REPORT

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Freeport McMoRan Gold Co.
P.O. Box 41330
Reno, NV 89504

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-6 175-180	1.1	0.03
KM-6 180-185		0.06
KM-6 185-190	1.2	0.09
KM-6 190-195		0.07
KM-6 195-200	1.4	0.07
KM-6 200-205		0.03
KM-6 205-210	1.5	0.04
KM-6 210-215		[redacted]
KM-6 215-220	1.5	0.08
KM-6 220-225		[redacted]
KM-6 225-230	1.3	0.05
KM-6 230-235		0.07
KM-6 235-240	1.4	0.06
KM-6 240-245		0.04
KM-6 245-250	1.2	0.06
KM-6 250-255		0.04
KM-6 255-260	0.8	[redacted]
KM-6 260-265		0.06
KM-6 265-270	1.0	0.06
KM-6 270-275		[redacted]
KM-6 275-280	0.8	0.03
KM-6 280-285		[redacted]
KM-6 285-290	1.0	<.02
KM-6 290-295		<.02
KM-6 295-300	0.8	<.02
KM-6 300-305		[redacted]
KM-6 305-310	1.4	0.07
KM-6 310-315		0.05
KM-6 315-320	0.9	<.02
KM-6 320-325		<.02
KM-6 325-330	0.3	<.02
KM-6 330-335		<.02
KM-6 335-340	<.2	<.02
KM-6 340-345		<.02
KM-6 345-350	0.3	<.02

METHOD	AA/BC	A.A.
DIGESTION	4Acid	AqReg
PRECISION	20%	20%

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ANALYTICAL REPORT

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Reno, NV 89504

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-6 350-355		<.02
KM-6 355-360	<.2	<.02
KM-6 360-365		<.02
KM-6 365-370	0.3	<.02
KM-6 370-375		<.02
KM-6 375-380	<.2	<.02
KM-6 380-385		<.02
KM-6 385-390	<.2	<.02
KM-6 390-395		<.02
KM-6 395-400	<.2	<.02
KM-7 0- 5		<.02
KM-7 5- 10		<.02
KM-7 10- 15		<.02
KM-7 15- 20		<.02
KM-7 20- 25		<.02
KM-7 25- 30		<.02
KM-7 30- 35		<.02
KM-7 35- 40		<.02
KM-7 40- 45		<.02
KM-7 45- 50		<.02
KM-7 50- 55		<.02
KM-7 55- 60		<.02
KM-7 60- 65		<.02
KM-7 65- 70		<.02
KM-7 70- 75		<.02
KM-7 75- 80		<.02
KM-7 80- 85		<.02
KM-7 85- 90		<.02
KM-7 90- 95		<.02
KM-7 95-100		<.02
KM-7 100-105		<.02
KM-7 105-110		<.02
KM-7 110-115		<.02
KM-7 115-120		<.02
KM-7 120-125		<.02
METHOD	AA/BC	A.A.
DIGESTION	4Acid	AqReg
PRECISION	20%	20%

ANALYSIS REPORT

Assay Laboratories

REPORT : SP 002932

Sample	Au ppm	Au(R) ppm
8087 KM-5 375-380	<0.005	
8087 KM-5 380-385	<0.005	
8087 KM-5 385-390	<0.005	
8087 KM-5 390-395	<0.005	
8087 KM-5 395-400	<0.005	
8092 KM-6 0-5	0.027	
8092 KM-6 5-10	<0.005	<0.005
8092 KM-6 10-15	<0.005	
8092 KM-6 15-20	<0.005	
8092 KM-6 20-25	<0.005	
8092 KM-6 25-30	<0.005	
8092 KM-6 30-35	<0.005	
8092 KM-6 35-40	0.010	
8092 KM-6 40-45	<0.005	
8092 KM-6 45-50	<0.005	
8092 KM-6 50-55	0.049	
8092 KM-6 55-60	0.063	
8092 KM-6 60-65	0.062	
8092 KM-6 65-70	0.037	
8092 KM-6 70-75	0.067	
8092 KM-6 75-80	0.090	
8092 KM-6 80-85	0.186	
8092 KM-6 85-90	0.062	
8092 KM-6 90-95	0.059	0.056
8092 KM-6 95-100	0.088	

Please refer to the cover sheet for further analysis details.

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 002932

Sample	PPB	PPB
8092 KM-6 100-105	0.079	
8092 KM-6 105-110	0.252	
8092 KM-6 110-115	0.075	
8092 KM-6 115-120	0.087	
8092 KM-6 120-125	0.069	
8092 KM-6 125-130	0.063	
8092 KM-6 130-135	0.137	
8092 KM-6 135-140	0.114	
8092 KM-6 140-145	0.085	
8092 KM-6 145-150	0.093	
8092 KM-6 150-155	0.112	
8092 KM-6 155-160	0.080	
8092 KM-6 160-165	0.189	
8092 KM-6 165-170	0.134	
8092 KM-6 170-175	0.133	
8092 KM-6 175-180	0.057	
8092 KM-6 180-185	0.074	0.072
8092 KM-6 185-190	0.083	
8092 KM-6 190-195	0.067	
8092 KM-6 195-200	0.086	
8092 KM-6 200-205	0.059	
8092 KM-6 205-210	0.063	
8092 KM-6 210-215	0.213	
8092 KM-6 215-220	0.084	
8092 KM-6 220-225	0.085	

Please refer to the cover sheet for further analysis details.

ANALYSIS REPORT

Assay Laboratories

REPORT : SP 002932

Sample	Au PPB	Au(R) PPB
8092 KM-6 225-230	0.065	
8092 KM-6 230-235	0.054	
8092 KM-6 235-240	0.061	
8092 KM-6 240-245	0.049	
8092 KM-6 245-250	0.056	
8092 KM-6 250-255	0.068	
8092 KM-6 255-260	0.140	0.146
8092 KM-6 260-265	0.068	
8092 KM-6 265-270	0.075	
8092 KM-6 270-275	0.187	
8092 KM-6 275-280	1.72	
8092 KM-6 280-285	0.105	0.108
8092 KM-6 285-290	0.047	
8092 KM-6 290-295	0.039	
8092 KM-6 295-300	0.041	
8092 KM-6 300-305	0.110	
8092 KM-6 305-310	0.078	
8092 KM-6 310-315	<0.005	
8092 KM-6 315-320	0.019	
8092 KM-6 320-325	0.005	
8092 KM-6 325-330	0.005	
8092 KM-6 330-335	<0.005	
8092 KM-6 335-340	<0.005	
8092 KM-6 340-345	<0.005	
8092 KM-6 345-350	<0.005	

Please refer to the cover sheet for further analysis details.

ANALYSIS REPORT

Assay Laboratories

REPORT : SP 002932

Sample	[illegible]	[illegible]
8092 KM-6 350-355	<0.005	
8092 KM-6 355-360	<0.005	
8092 KM-6 360-365	0.022	0.010
8092 KM-6 365-370	0.005	
8092 KM-6 370-375	<0.005	
8092 KM-6 375-380	<0.005	
8092 KM-6 380-385	<0.005	<0.005
8092 KM-6 385-390	<0.005	
8092 KM-6 390-395	0.008	
8092 KM-6 395-400	<0.005	

Please refer to the cover sheet for further analysis details.

CONE GEOCHEMICAL INC.
810 Quail Street, Suite I
Lakewood, Colorado 80215
(303) 232-8371

Job 8092
3-Jan-86
Page 1

ANALYTICAL REPORT

Dave Bird
Freeport McMoRan Gold Co.
P.O. Box 41330
Reno, NV 89504

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-6 0- 5		0.02
KM-6 5- 10	<.2	<.02
KM-6 10- 15		<.02
KM-6 15- 20	<.2	<.02
KM-6 20- 25		<.02
KM-6 25- 30	<.2	<.02
KM-6 30- 35		<.02
KM-6 35- 40	<.2	<.02
KM-6 40- 45		<.02
KM-6 45- 50	0.2	<.02
KM-6 50- 55		0.03
KM-6 55- 60	1.5	0.05
KM-6 60- 65		0.03
KM-6 65- 70	3.6	0.03
KM-6 70- 75		0.06
KM-6 75- 80	2.8	0.08
KM-6 80- 85		0.11
KM-6 85- 90	1.0	0.02
KM-6 90- 95		0.02
KM-6 95-100	1.6	0.03
KM-6 100-105		0.03
KM-6 105-110	1.6	0.04
KM-6 110-115		0.03
KM-6 115-120	1.4	0.07
KM-6 120-125		0.02
KM-6 125-130	1.8	<.02
KM-6 130-135		0.04
KM-6 135-140	1.1	0.09
KM-6 140-145		0.03
KM-6 145-150	1.5	0.02
KM-6 150-155		0.04
KM-6 155-160	1.4	0.03
KM-6 160-165		0.16
KM-6 165-170	2.2	0.11
KM-6 170-175		0.10
METHOD	AA/BC	A.A.

CONE GEOCHEMICAL INC.
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ANALYTICAL REPORT

Dave Bird
Freeport McMoRan Gold Co.
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Reno, NV 89504

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-6 175-180	1.1	0.03
KM-6 180-185		0.06
KM-6 185-190	1.2	0.09
KM-6 190-195		0.07
KM-6 195-200	1.4	0.07
KM-6 200-205		0.03
KM-6 205-210	1.5	0.04
KM-6 210-215		0.22
KM-6 215-220	1.5	0.08
KM-6 220-225		0.16
KM-6 225-230	1.3	0.05
KM-6 230-235		0.07
KM-6 235-240	1.4	0.06
KM-6 240-245		0.04
KM-6 245-250	1.2	0.06
KM-6 250-255		0.04
KM-6 255-260	0.8	0.17
KM-6 260-265		0.06
KM-6 265-270	1.0	0.06
KM-6 270-275		0.27
KM-6 275-280	0.8	0.03
KM-6 280-285		0.16
KM-6 285-290	1.0	<.02
KM-6 290-295		<.02
KM-6 295-300	0.8	<.02
KM-6 300-305		0.10
KM-6 305-310	1.4	0.07
KM-6 310-315		0.05
KM-6 315-320	0.9	<.02
KM-6 320-325		<.02
KM-6 325-330	0.3	<.02
KM-6 330-335		<.02
KM-6 335-340	<.2	<.02
KM-6 340-345		<.02
KM-6 345-350	0.3	<.02
METHOD	AA/BC	A.A

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Job 8092
3-Jan-86

ANALYTICAL REPORT

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Reno, NV 89504

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-6 350-355		<.02
KM-6 355-360	<.2	<.02
KM-6 360-365		<.02
KM-6 365-370	0.3	<.02
KM-6 370-375		<.02
KM-6 375-380	<.2	<.02
KM-6 380-385		<.02
KM-6 385-390	<.2	<.02
KM-6 390-395		<.02
KM-6 395-400	<.2	<.02

[redacted]

[redacted]

CONE GEOCHEMICAL INC.
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Job 8092
3-Jan-86
Page 1

ANALYTICAL REPORT

Dave Bird
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Reno, NV 89504

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-6 0- 5		0.02
KM-6 5- 10	<.2	<.02
KM-6 10- 15		<.02
KM-6 15- 20	<.2	<.02
KM-6 20- 25		<.02
KM-6 25- 30	<.2	<.02
KM-6 30- 35		<.02
KM-6 35- 40	<.2	<.02
KM-6 40- 45		<.02
KM-6 45- 50	0.2	<.02
KM-6 50- 55		0.03
KM-6 55- 60	1.5	0.05
KM-6 60- 65		0.03
KM-6 65- 70	3.6	0.03
KM-6 70- 75		0.06
KM-6 75- 80	2.8	0.08
KM-6 80- 85		0.11
KM-6 85- 90	1.0	0.02
KM-6 90- 95		0.02
KM-6 95-100	1.6	0.03
KM-6 100-105		0.03
KM-6 105-110	1.6	0.04
KM-6 110-115		0.03
KM-6 115-120	1.4	0.07
KM-6 120-125		0.02
KM-6 125-130	1.8	<.02
KM-6 130-135		0.04
KM-6 135-140	1.1	0.09
KM-6 140-145		0.03
KM-6 145-150	1.5	0.02
KM-6 150-155		0.04
KM-6 155-160	1.4	0.03
KM-6 160-165		0.16
KM-6 165-170	2.2	0.11
KM-6 170-175		0.10

METHOD	AA/BC	A.A.
DIGESTION	4Acid	AqReg
PRECISION	20%	20%

CONE GEOCHEMICAL INC.
810 Quail Street, Suite I
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ANALYTICAL REPORT

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Freeport McMoRan Gold Co.
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Reno, NV 89504

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-6 175-180	1.1	0.03
KM-6 180-185		0.06
KM-6 185-190	1.2	0.09
KM-6 190-195		0.07
KM-6 195-200	1.4	0.07
KM-6 200-205		0.03
KM-6 205-210	1.5	0.04
KM-6 210-215		0.22
KM-6 215-220	1.5	0.08
KM-6 220-225		0.16
KM-6 225-230	1.3	0.05
KM-6 230-235		0.07
KM-6 235-240	1.4	0.06
KM-6 240-245		0.04
KM-6 245-250	1.2	0.06
KM-6 250-255		0.04
KM-6 255-260	0.8	0.17
KM-6 260-265		0.06
KM-6 265-270	1.0	0.06
KM-6 270-275		0.27
KM-6 275-280	0.8	0.03
KM-6 280-285		0.16
KM-6 285-290	1.0	<.02
KM-6 290-295		<.02
KM-6 295-300	0.8	<.02
KM-6 300-305		0.10
KM-6 305-310	1.4	0.07
KM-6 310-315		0.05
KM-6 315-320	0.9	<.02
KM-6 320-325		<.02
KM-6 325-330	0.3	<.02
KM-6 330-335		<.02
KM-6 335-340	<.2	<.02
KM-6 340-345		<.02
KM-6 345-350	0.3	<.02

METHOD	AA/BC	A.A.
DIGESTION	4Acid	AqReg
PRECISION	20%	20%

CONE GEOCHEMICAL INC.
810 Quail Street, Suite I
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STATISTICS

Winthrop A. Rowe
Freeport McMoRan Gold Co.
P.O. Box 41330
Reno, NV 89504

PO #
PROJECT
85-539

GENERAL

Analysis	n	$\bar{X}$	s	Low	High	$\bar{X}$+s	$\bar{X}$+2s
OZ/TON GOLD	4	0.075	0.077	0.008	0.180	0.152	0.230

CORRELATION COEFFICIENTS

	GOLD
GOLD	1.0000

Values below the detection limit are assigned a value of one half of the detection limit for purpose of calculating these statistics

70.0	75.0	0.060	0.067	0.000	0.000	0.000	0.064	0.002
75.0	80.0	0.080	0.090	0.000	0.000	0.000	0.085	0.002
80.0	85.0	0.110	0.186	0.000	0.000	0.000	0.148	0.004
85.0	90.0	0.020	0.062	0.000	0.000	0.000	0.041	0.001
90.0	95.0	0.020	0.059	0.056	0.000	0.000	0.045	0.001
95.0	100.0	0.030	0.088	0.000	0.000	0.000	0.059	0.002
100.0	105.0	0.030	0.079	0.000	0.000	0.000	0.055	0.002
105.0	110.0	0.040	0.252	0.000	0.000	0.000	0.146	0.004
110.0	115.0	0.030	0.075	0.000	0.000	0.000	0.053	0.002
115.0	120.0	0.070	0.087	0.000	0.000	0.000	0.079	0.002
120.0	125.0	0.020	0.069	0.000	0.000	0.000	0.045	0.001
125.0	130.0	-0.020	0.063	0.000	0.000	0.000	0.041	0.001
130.0	135.0	0.040	0.137	0.000	0.000	0.000	0.089	0.003
135.0	140.0	0.090	0.114	0.000	0.000	0.000	0.102	0.003
140.0	145.0	0.030	0.085	0.000	0.000	0.000	0.058	0.002
145.0	150.0	0.020	0.093	0.000	0.000	0.000	0.057	0.002
150.0	155.0	0.040	0.112	0.000	0.000	0.000	0.076	0.002
155.0	160.0	0.030	0.080	0.000	0.000	0.000	0.055	0.002
160.0	165.0	0.160	0.189	0.000	0.000	0.000	0.175	0.005
165.0	170.0	0.110	0.134	0.000	0.000	0.000	0.122	0.004
170.0	175.0	0.100	0.133	0.000	0.000	0.000	0.117	0.003
175.0	180.0	0.030	0.057	0.000	0.000	0.000	0.044	0.001
180.0	185.0	0.060	0.074	0.072	0.000	0.000	0.069	0.002
185.0	190.0	0.090	0.083	0.000	0.000	0.000	0.087	0.003
190.0	195.0	0.070	0.067	0.000	0.000	0.000	0.069	0.002
195.0	200.0	0.070	0.086	0.000	0.000	0.000	0.078	0.002
200.0	205.0	0.030	0.059	0.000	0.000	0.000	0.045	0.001
205.0	210.0	0.040	0.063	0.000	0.000	0.000	0.052	0.002
210.0	215.0	0.220	0.213	0.000	0.000	0.000	0.217	0.006
215.0	220.0	0.080	0.084	0.000	0.000	0.000	0.082	0.002
220.0	225.0	0.160	0.085	0.000	0.000	0.000	0.123	0.004
225.0	230.0	0.050	0.065	0.000	0.000	0.000	0.058	0.002
230.0	235.0	0.070	0.054	0.000	0.000	0.000	0.062	0.002
235.0	240.0	0.060	0.061	0.000	0.000	0.000	0.061	0.002
240.0	245.0	0.040	0.049	0.000	0.000	0.000	0.045	0.001
245.0	250.0	0.060	0.056	0.000	0.000	0.000	0.058	0.002
250.0	255.0	0.040	0.068	0.000	0.000	0.000	0.054	0.002
255.0	260.0	0.170	0.140	0.146	0.000	0.000	0.152	0.004
260.0	265.0	0.060	0.068	0.000	0.000	0.000	0.064	0.002
265.0	270.0	0.060	0.075	0.000	0.000	0.000	0.068	0.002
270.0	275.0	0.270	0.187	0.000	0.000	0.000	0.229	0.007
275.0	280.0	0.030	1.720	0.000	0.000	0.000	0.875	0.026
280.0	285.0	0.160	0.105	0.108	0.000	0.000	0.124	0.004
285.0	290.0	-0.020	0.047	0.000	0.000	0.000	0.033	0.001
290.0	295.0	-0.020	0.039	0.000	0.000	0.000	0.029	0.001
295.0	300.0	-0.020	0.041	0.000	0.000	0.000	0.030	0.001
300.0	305.0	0.100	0.110	0.000	0.000	0.000	0.105	0.003
305.0	310.0	0.070	0.078	0.000	0.000	0.000	0.074	0.002
310.0	315.0	0.050	-0.005	0.000	0.000	0.000	0.027	0.001
315.0	320.0	-0.020	0.019	0.000	0.000	0.000	0.019	0.001
320.0	325.0	-0.020	0.005	0.000	0.000	0.000	0.005	0.000
325.0	330.0	-0.020	0.005	0.000	0.000	0.000	0.005	0.000
330.0	335.0	-0.020	-0.005	0.000	0.000	0.000	-0.013	-0.000
335.0	340.0	-0.020	-0.005	0.000	0.000	0.000	-0.013	-0.000
340.0	345.0	-0.020	-0.005	0.000	0.000	0.000	-0.013	-0.000
345.0	350.0	-0.020	-0.005	0.000	0.000	0.000	-0.013	-0.000
350.0	355.0	-0.020	-0.005	0.000	0.000	0.000	-0.013	-0.000
355.0	360.0	-0.020	-0.005	0.000	0.000	0.000	-0.013	-0.000
360.0	365.0	-0.020	0.022	0.010	0.000	0.000	0.016	0.000
365.0	370.0	-0.020	0.005	0.000	0.000	0.000	0.005	0.000

CONE GEOCHEMICAL INC.
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Job 8092
3-Jan-86
Page 1

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Freeport McMoRan Gold Co.
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Reno, NV 89504

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-6 0- 5		0.02
KM-6 5- 10	<.2	<.02
KM-6 10- 15		<.02
KM-6 15- 20	<.2	<.02
KM-6 20- 25		<.02
KM-6 25- 30	<.2	<.02
KM-6 30- 35		<.02
KM-6 35- 40	<.2	<.02
KM-6 40- 45		<.02
KM-6 45- 50	0.2	<.02
KM-6 50- 55		0.03
KM-6 55- 60	1.5	0.05
KM-6 60- 65		0.03
KM-6 65- 70	3.6	0.03
KM-6 70- 75		0.06
KM-6 75- 80	2.8	0.08
KM-6 80- 85		[redacted]
KM-6 85- 90	1.0	0.02
KM-6 90- 95		0.02
KM-6 95-100	1.6	0.03
KM-6 100-105		0.03
KM-6 105-110	1.6	0.04
KM-6 110-115		0.03
KM-6 115-120	1.4	0.07
KM-6 120-125		0.02
KM-6 125-130	1.8	<.02
KM-6 130-135		0.04
KM-6 135-140	1.1	0.09
KM-6 140-145		0.03
KM-6 145-150	1.5	0.02
KM-6 150-155		0.04
KM-6 155-160	1.4	0.03
KM-6 160-165		[redacted]
KM-6 165-170	2.2	[redacted]
KM-6 170-175		[redacted]

METHOD	AA/BC	A.A.
DIGESTION	4Acid	AqReg
PRECISION	20%	20%

CONE GEOCHEMICAL INC.
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3-Jan-86

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PO #
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SAMPLE NUMBER	PPM AG	PPM AU
KM-6 175-180	1.1	0.03
KM-6 180-185		0.06
KM-6 185-190	1.2	0.09
KM-6 190-195		0.07
KM-6 195-200	1.4	0.07
KM-6 200-205		0.03
KM-6 205-210	1.5	0.04
KM-6 210-215		[redacted]
KM-6 215-220	1.5	0.08
KM-6 220-225		[redacted]
KM-6 225-230	1.3	0.05
KM-6 230-235		0.07
KM-6 235-240	1.4	0.06
KM-6 240-245		0.04
KM-6 245-250	1.2	0.06
KM-6 250-255		0.04
KM-6 255-260	0.8	[redacted]
KM-6 260-265		0.06
KM-6 265-270	1.0	0.06
KM-6 270-275		[redacted]
KM-6 275-280	0.8	0.03
KM-6 280-285		[redacted]
KM-6 285-290	1.0	<.02
KM-6 290-295		<.02
KM-6 295-300	0.8	<.02
KM-6 300-305		[redacted]
KM-6 305-310	1.4	0.07
KM-6 310-315		0.05
KM-6 315-320	0.9	<.02
KM-6 320-325		<.02
KM-6 325-330	0.3	<.02
KM-6 330-335		<.02
KM-6 335-340	<.2	<.02
KM-6 340-345		<.02
KM-6 345-350	0.3	<.02

METHOD	AA/BC	A.A.
DIGESTION	4Acid	AqReg
PRECISION	20%	20%

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PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-6 350-355		<.02
KM-6 355-360	<.2	<.02
KM-6 360-365		<.02
KM-6 365-370	0.3	<.02
KM-6 370-375		<.02
KM-6 375-380	<.2	<.02
KM-6 380-385		<.02
KM-6 385-390	<.2	<.02
KM-6 390-395		<.02
KM-6 395-400	<.2	<.02
KM-7 0- 5		<.02
KM-7 5- 10		<.02
KM-7 10- 15		<.02
KM-7 15- 20		<.02
KM-7 20- 25		<.02
KM-7 25- 30		<.02
KM-7 30- 35		<.02
KM-7 35- 40		<.02
KM-7 40- 45		<.02
KM-7 45- 50		<.02
KM-7 50- 55		<.02
KM-7 55- 60		<.02
KM-7 60- 65		<.02
KM-7 65- 70		<.02
KM-7 70- 75		<.02
KM-7 75- 80		<.02
KM-7 80- 85		<.02
KM-7 85- 90		<.02
KM-7 90- 95		<.02
KM-7 95-100		<.02
KM-7 100-105		<.02
KM-7 105-110		<.02
KM-7 110-115		<.02
KM-7 115-120		<.02
KM-7 120-125		<.02
METHOD	AA/BC	A.A.
DIGESTION	4Acid	AqReg
PRECISION	20%	20%

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 002932

Sample	Au ppm	Au(R) ppm
8087 KM-5 375-380	<0.005	
8087 KM-5 380-385	<0.005	
8087 KM-5 385-390	<0.005	
8087 KM-5 390-395	<0.005	
8087 KM-5 395-400	<0.005	
8092 KM-6 0-5	0.027	
8092 KM-6 5-10	<0.005	<0.005
8092 KM-6 10-15	<0.005	
8092 KM-6 15-20	<0.005	
8092 KM-6 20-25	<0.005	
8092 KM-6 25-30	<0.005	
8092 KM-6 30-35	<0.005	
8092 KM-6 35-40	0.010	
8092 KM-6 40-45	<0.005	
8092 KM-6 45-50	<0.005	
8092 KM-6 50-55	0.049	
8092 KM-6 55-60	0.063	
8092 KM-6 60-65	0.062	
8092 KM-6 65-70	0.037	
8092 KM-6 70-75	0.067	
8092 KM-6 75-80	0.090	
8092 KM-6 80-85	0.186	
8092 KM-6 85-90	0.062	
8092 KM-6 90-95	0.059	0.056
8092 KM-6 95-100	0.088	

Please refer to the cover sheet for further analysis details.

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 002932

Sample	AU PPM	AU(R) PPM
8092 KM-6 100-105	0.079	
8092 KM-6 105-110	0.252	
8092 KM-6 110-115	0.075	
8092 KM-6 115-120	0.087	
8092 KM-6 120-125	0.069	
8092 KM-6 125-130	0.063	
8092 KM-6 130-135	0.137	
8092 KM-6 135-140	0.114	
8092 KM-6 140-145	0.085	
8092 KM-6 145-150	0.093	
8092 KM-6 150-155	0.112	
8092 KM-6 155-160	0.080	
8092 KM-6 160-165	0.189	
8092 KM-6 165-170	0.134	
8092 KM-6 170-175	0.133	
8092 KM-6 175-180	0.057	
8092 KM-6 180-185	0.074	0.072
8092 KM-6 185-190	0.083	
8092 KM-6 190-195	0.067	
8092 KM-6 195-200	0.086	
8092 KM-6 200-205	0.059	
8092 KM-6 205-210	0.063	
8092 KM-6 210-215	0.213	
8092 KM-6 215-220	0.084	
8092 KM-6 220-225	0.085	

Please refer to the cover sheet for further analysis details.

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 002932

Sample	Au ppm	Au(R) ppm
8092 KM-6 225-230	0.065	
8092 KM-6 230-235	0.054	
8092 KM-6 235-240	0.061	
8092 KM-6 240-245	0.049	
8092 KM-6 245-250	0.056	
8092 KM-6 250-255	0.068	
8092 KM-6 255-260	0.140	0.146
8092 KM-6 260-265	0.068	
8092 KM-6 265-270	0.075	
8092 KM-6 270-275	0.187	
8092 KM-6 275-280	1.72	
8092 KM-6 280-285	0.105	0.108
8092 KM-6 285-290	0.047	
8092 KM-6 290-295	0.039	
8092 KM-6 295-300	0.041	
8092 KM-6 300-305	0.110	
8092 KM-6 305-310	0.078	
8092 KM-6 310-315	<0.005	
8092 KM-6 315-320	0.019	
8092 KM-6 320-325	0.005	
8092 KM-6 325-330	0.005	
8092 KM-6 330-335	<0.005	
8092 KM-6 335-340	<0.005	
8092 KM-6 340-345	<0.005	
8092 KM-6 345-350	<0.005	

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ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 002932

Sample	Au PPM	Au(R) PPM
8092 KM-6 350-355	<0.005	
8092 KM-6 355-360	<0.005	
8092 KM-6 360-365	0.022	0.010
8092 KM-6 365-370	0.005	
8092 KM-6 370-375	<0.005	
8092 KM-6 375-380	<0.005	
8092 KM-6 380-385	<0.005	<0.005
8092 KM-6 385-390	<0.005	
8092 KM-6 390-395	0.008	
8092 KM-6 395-400	<0.005	

Please refer to the cover sheet for further analysis details.