60001584

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-2
AUTHOR	D. Bird
DATE OF DOC(S)	1985-1990
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 605' handwritten notes ~~17~~ p. 19

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: mah
Initials Date
SCANNED: W Blue
Initials Date

Revised: 1/22/08

km2

60001584 4010

60001584

LAC MINERALS EXPL. (TEXAS) INC.

DRILL LOG SUMMARY SHEET

PROJECT Rosebud

HOLE NUMBER KM 2 TOTAL DEPTH 605 LOGGED BY _____

Date started _____

Date completed _____

Initial bearing _____

Initial inclination VERT

Elevation 5370.3

Collar coordinates:

N 2203868.0

E 483400.3

Contractor _____

Drill Type _____

Hole Size _____

Comments _____

Data by MCH, PC Explor 6/91

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	ROASTED oz/ton	COLD CN oz/ton
KM-2	0	10	Assorted vari-colored, vari-textured fragmtl							
	10	15	Same; incrsd clays							
	15	20	Lighter colored; less mottled, less clays							
	20	50	Pale brown-yellow-green felsic frgmtl; wk oxdzd Py specks, loc. mod. clays							
	50	80	Pale green mostly, some light brown; fels frgmtl; wk clays, wk loc. oxdzd Py							
	80	85	Pale green/gray fels frgmtl (?); wk. clays, wk. fresh Py (<1%)							
	85	95	Same + loc. str Py to 10%							
	95	100	same + Py + v. str clay							
	100	105	same 2% Py, wk. clays							
	105	110	" 5% Py, " "							
	110	115	" 1% Py, " "							
	115	120	" 2-3% Py, " "							
	120	130	" 1-2% Py, " "							
	130	150	" + wk. Hematitic GM (brx?) 1-2% Py, wk. clays							
	150	185	Pale green, gray felsic frgmtl; less hematitic rx, tr-2% Py, wk. clays locally							
	185	195	same; strgr hematitic rx; tr-2% Py; wk clays							
	195	200	" , less hem, 1-2% Py, wk. clays							
	200	210	" , wk hem GM stain tr.-2% Py, wk clays locally							
	210	215	" + mod. reddish-brown frgmtl; tr. Py							
Δ	215	225	Mostly red-brown frgmtl, + greenish felsite, tr. Py, tr. clays							
	225	230	Entirely red-brown frgmtl; no apparent Py or clays							
	230	235	Mostly red-brown frgmtl, wk green rx, tr. Py							
Δ	235	240	Back to green felsite, 5% Py, wk. clays							
	240	255	Pale green/gray felsite, tr-2% Py, loc. wk. clays							
	255	260	same + red/brown frgmtl, tr. Py, tr. clay							
	260	285	Mostly red-brown fragmtl, tr. calcite, tr. Py in felsite							
Δ	285	315	Entirely red-brown frgmtl; loc. trcs hem. stng							
	315	320	Picking up green felsite again; some red/brown frgmtl still, tr. Py							
	320	325	Mostly green felsite; 1% Py							

ANOMALY NAME _____ HOLE NO. _____ SHEET _____ OF _____

SAMPLE NUMBER	INTERVAL FROM	TO	DESCRIPTION	FM	Graphic	DIP	DHT	FIRE oz/ton	ROASTAA oz/ton	COLD CN oz/ton
XM-2	325	355	Mostly red-brown-gray frgmtl; tr. Py in felsite and dkr frgmtl							
	355	360	Entirely mod.-gray/dk. brown frgmtl; tr. calcite							
	360	365	Mostly gray-brown frgmtl; mod. green felsite, tr Py							
A	365	370	All pale green-gray felsite, 5% Py							
	370	375	Pale green-gray felsite; tr - 3% Py							
	375	380	Same + str. clays							
	380	395	Green-gray felsite + tr - 3% Py							
	395	400	Same + mod. gray/brown felsite; tr 2% Py; tr. calcite							
A	400	405	All brown-gray frgmtl							
	405	415	Same + minor green felsite; tr. Py							
	415	425	Mostly green felsite; 2% Py							
	425	430	Same + more gray/brown frgmtl							
	430	435	~80% gray/brown frgmtl, rest green felsite; tr. Py							
	435	440	Mostly " " " , tr. Py							
	440	445	90% green felsite; 3% Py as frac. fillers & disseminations							
	445	450	Mostly gray-brown frgmtl							
A	450	455	All pale green/gray felsite, 2-4% Py as disseminations & frac.-fillers							
	455	460	Half felsite, half gray/brown frgmtl; tr Py							
	460	465	Mostly gray/brown frgmtl; tr. Py							
	465	470	All pale gray/green felsite; 3% Py							
	470	475	Mostly " " " " ; tr. Py;							
	475	480	Mostly gray-brown frgmtl; wk. Hem.							
	480	485	Mostly green felsite; tr. Py							
	485	500	" " " ; tr. -2% Py; tr. calcite							
A	500	520	All med-dk. gray frgmtl; tr. calcite							
	520	545	Same + wk-mod. calcite							
	545	550	Mostly pale green-gray felsite, tr. Py							
	550	555	Same + possible wk. gray Qtz vng.							
	555	560	Same - Qtz vng; tr. 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
KM-2	560	565	Mostly pale green/gray felsite; med. gray-brown frgmtl; tr. Py; wk. clays							
	565	570	Same + reddish-brown hem. stn (to 5 %)							
	570	575	Same - hem. stn							
	575	580	All pale green/gray felsite; tr. FeOx stn; 1-2 % Py							
	580	595	Same + tr. dk. gray qtz vnlts + wk. micro brx stn, to 2 % Py, no FeOx.							
	595	605	Same; less qtz vnlts, no FeOx.							

ANOMALY NAME _____ HOLE NO. _____ SHEET _____ OF _____

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 002930

Sample	Au PPM	Au(R) PPM
8069 KM-1 500-505	0.021	
8069 KM-1 505-510	<0.005	
8069 KM-1 510-515	0.008	<0.005
8069 KM-1 515-520	0.022	
8069 KM-1 520-525	<0.005	
8069 KM-1 525-530	<0.005	
8069 KM-1 530-535	<0.005	
8069 KM-1 535-540	<0.005	
8069 KM-1 540-545	<0.005	
8069 KM-1 545-550	<0.005	
8069 KM-1 550-555	<0.005	
8069 KM-1 555-560	<0.005	
8069 KM-1 560-565	<0.005	
8069 KM-1 565-570	0.007	
8069 KM-1 570-575	<0.005	
8069 KM-1 575-580	<0.005	
8069 KM-1 580-585	0.008	
8069 KM-1 585-590	<0.005	
8069 KM-1 590-595	0.005	
8069 KM-1 595-600	<0.005	
8069 KM-1 600-605	<0.005	
8069 KM-2 0-5	0.041	
8069 KM-2 5-10	0.006	
8069 KM-2 10-15	<0.005	
8069 KM-2 15-20	<0.005	

Please refer to the cover sheet for further analysis details.

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 002930

Sample	Au ppm	Au(R) ppm
8069 KM-2 20-25	<0.005	
8069 KM-2 25-30	0.006	
8069 KM-2 30-35	0.006	
8069 KM-2 35-40	0.006	
8069 KM-2 40-45	<0.005	
8069 KM-2 45-50	<0.005	
8069 KM-2 50-55	0.006	
8069 KM-2 55-60	0.006	
8069 KM-2 60-65	<0.005	
8069 KM-2 65-70	0.024	
8069 KM-2 70-75	0.277	0.264
8069 KM-2 75-80	0.099	0.126
8069 KM-2 80-85	0.042	
8069 KM-2 85-90	0.066	0.085
8069 KM-2 90-95	0.223	0.189
8069 KM-2 95-100	0.287	
8069 KM-2 100-105	0.367	
8069 KM-2 105-110	0.189	
8069 KM-2 110-115	0.011	
8069 KM-2 115-120	0.005	
8069 KM-2 120-125	<0.005	
8069 KM-2 125-130	<0.005	
8069 KM-2 130-135	<0.005	
8069 KM-2 135-140	<0.005	
8069 KM-2 140-145	<0.005	

.171 ppm .005 opt

31 ppm = 1 opt
1 ppm ~ .03
.1 ppm ~ .003

Please refer to the cover sheet for further analysis details.

Sample	Au PPM	Au(R) PPM
8069 KM-2 145-150	0.020	
8069 KM-2 150-155	0.024	
8069 KM-2 155-160	0.008	
8069 KM-2 160-165	<0.005	
8069 KM-2 165-170	<0.005	
8069 KM-2 170-175	<0.005	
8069 KM-2 175-180	<0.005	
8069 KM-2 180-185	<0.005	
8069 KM-2 185-190	<0.005	
8069 KM-2 190-195	<0.005	
8069 KM-2 195-200	<0.005	
8069 KM-2 200-205	<0.005	<0.005
8069 KM-2 205-210	<0.005	
8069 KM-2 210-215	<0.005	
8069 KM-2 215-220	<0.005	
8069 KM-2 220-225	<0.005	
8069 KM-2 225-230	<0.005	
8069 KM-2 230-235	<0.005	
8069 KM-2 235-240	0.015	0.013
8069 KM-2 240-245	0.009	
8069 KM-2 245-250	<0.005	
8069 KM-2 250-255	<0.005	
8069 KM-2 255-260	0.018	
8069 KM-2 260-265	<0.005	
8069 KM-2 265-270	<0.005	

Please refer to the cover sheet for further analysis details.

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 002930

Sample	Au ppm	Au(R) ppm
8069 KM-2 270-275	<0.005	
8069 KM-2 275-280	<0.005	
8069 KM-2 280-285	<0.005	
8069 KM-2 285-290	<0.005	
8069 KM-2 290-295	<0.005	
8069 KM-2 295-300	<0.005	
8069 KM-2 300-305	<0.005	
8069 KM-2 305-310	<0.005	
8069 KM-2 310-315	<0.005	
8069 KM-2 315-320	0.010	
8069 KM-2 320-325	0.086	
8069 KM-2 325-330	0.007	
8069 KM-2 330-335	0.007	
8069 KM-2 335-340	0.014	
8069 KM-2 340-345	<0.005	
8069 KM-2 345-350	0.011	
8069 KM-2 350-355	0.010	
8069 KM-2 355-360	0.005	
8069 KM-2 360-365	0.012	
8069 KM-2 365-370	0.199	0.146
8069 KM-2 370-375	0.077	0.091
8069 KM-2 375-380	0.063	0.057
8069 KM-2 380-385	0.033	
8069 KM-2 385-390	0.017	
8069 KM-2 390-395	0.598	0.750

Please refer to the cover sheet for further analysis details.

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 002930

Sample	Au ppm	Au(R) ppm	
8069 KM-2 395-400	0.313	0.362	10' @ .506 ppm = .015 opt
8069 KM-2 400-405	0.007		
8069 KM-2 405-410	0.007		
8069 KM-2 410-415	<0.005		
8069 KM-2 415-420	0.008		
8069 KM-2 420-425	0.038		
8069 KM-2 425-430	<0.005		
8069 KM-2 430-435	0.007		
8069 KM-2 435-440	<0.005		
8069 KM-2 440-445	0.005	<0.005	
8069 KM-2 445-450	<0.005		
8069 KM-2 450-455	<0.005		
8069 KM-2 455-460	<0.005		
8081 KM-2 460-465	<0.005		
8081 KM-2 465-470	0.010		
8081 KM-2 470-475	0.007		
8081 KM-2 475-480	<0.005		
8081 KM-2 480-485	<0.005		
8081 KM-2 485-490	0.046		
8081 KM-2 490-495	<0.005		
8081 KM-2 495-500	<0.005		
8081 KM-2 500-505	<0.005		
8081 KM-2 505-510	<0.005		
8081 KM-2 510-515	<0.005		
8081 KM-2 515-520	<0.005		

Please refer to the cover sheet for further analysis details.

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 002930

Sample	Au ppm	Au(R) ppm
8081 KM-2 520-525	<0.005	
8081 KM-2 525-530	<0.005	
8081 KM-2 530-535	<0.005	
8081 KM-2 535-540	<0.005	
8081 KM-2 540-545	<0.005	0.009
8081 KM-2 545-550	<0.005	
8081 KM-2 550-555	<0.005	
8081 KM-2 555-560	<0.005	
8081 KM-2 560-565	<0.005	
8081 KM-2 565-570	<0.005	
8081 KM-2 570-575	0.026	
8081 KM-2 575-580	0.190	
8081 KM-2 580-585	0.076	
8081 KM-2 585-590	0.290	0.320
8081 KM-2 590-595	0.220	
8081 KM-2 595-600	0.330	0.393
8081 KM-2 600-605	0.630	0.700

.388 ppm ⇒ 0.012 opt

Please refer to the cover sheet for further analysis details.

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

Job 8069
20-Dec-85

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-1 530-535		<.02
KM-1 535-540		<.02
KM-1 540-545		<.02
KM-1 545-550		<.02
KM-1 550-555		<.02
KM-1 555-560		<.02
KM-1 560-565		<.02
KM-1 565-570		<.02
KM-1 570-575		<.02
KM-1 575-580		<.02
KM-1 580-585		<.02
KM-1 585-590		<.02
KM-1 590-595		<.02
KM-1 595-600		<.02
KM-1 600-605		<.02
KM-2 0- 5		<.02
KM-2 5- 10	<.2	<.02
KM-2 10- 15		<.02
KM-2 15- 20	<.2	<.02
KM-2 20- 25		<.02
KM-2 25- 30	<.2	<.02
KM-2 30- 35		<.02
KM-2 35- 40	<.2	<.02
KM-2 40- 45		<.02
KM-2 45- 50	<.2	<.02
KM-2 50- 55		<.02
KM-2 55- 60	<.2	<.02
KM-2 60- 65		<.02
KM-2 65- 70	0.6	<.02
KM-2 70- 75		0.18
KM-2 75- 80	0.7	0.05
KM-2 80- 85		<.02
M-2 85- 90	2.5	0.04
1-2 90- 95		0.16
M-2 95-100	2.7	0.20
METHOD	AA/BC	A.A.

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85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-2 100-105		1.04 — .01 oz/t
KM-2 105-110	1.8	0.08
KM-2 110-115		<.02
KM-2 115-120	<.2	<.02
KM-2 120-125		<.02
KM-2 125-130	<.2	<.02
KM-2 130-135		<.02
KM-2 135-140	<.2	<.02
KM-2 140-145		<.02
KM-2 145-150	<.2	<.02
KM-2 150-155		<.02
KM-2 155-160	<.2	<.02
KM-2 160-165		<.02
KM-2 165-170	<.2	<.02
KM-2 170-175		<.02
KM-2 175-180	0.3	<.02
KM-2 180-185		<.02
KM-2 185-190	<.2	<.02
KM-2 190-195		<.02
KM-2 195-200	0.3	<.02
KM-2 200-205		<.02
KM-2 205-210	0.6	<.02
KM-2 210-215		<.02
KM-2 215-220	<.2	<.02
KM-2 220-225		<.02
KM-2 225-230	0.2	<.02
KM-2 230-235		<.02
KM-2 235-240	1.0	0.03
KM-2 240-245		<.02
KM-2 245-250	0.4	<.02
KM-2 250-255		0.04
KM-2 255-260	<.2	<.02
KM-2 260-265		<.02
KM-2 265-270	<.2	<.02
KM-2 270-275		<.02
METHOD	AA/BC	A.A.
DIGESTION	[illegible]	[illegible]

CONE GEOCHEMICAL INC.
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ANALYTICAL REPORT

Job 8069
20-Dec-85

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

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-2 275-280	<.2	0.10
KM-2 280-285		<.02
KM-2 285-290	<.2	<.02
KM-2 290-295		<.02
KM-2 295-300	<.2	<.02
KM-2 300-305		<.02
KM-2 305-310	<.2	<.02
KM-2 310-315		<.02
KM-2 315-320	1.0	<.02
KM-2 320-325		0.07
KM-2 325-330	<.2	<.02
KM-2 330-335		<.02
KM-2 335-340	<.2	<.02
KM-2 340-345		<.02
KM-2 345-350	<.2	<.02
KM-2 350-355		0.03
KM-2 355-360	<.2	<.02
KM-2 360-365		<.02
KM-2 365-370	5.6	0.18
KM-2 370-375		0.06
KM-2 375-380	2.0	0.04
KM-2 380-385		0.05
KM-2 385-390	4.5	<.02
KM-2 390-395		0.54
KM-2 395-400	35.5	0.30
KM-2 400-405		<.02
KM-2 405-410	<.2	<.02
KM-2 410-415		<.02
KM-2 415-420	0.7	<.02
KM-2 420-425		0.04
KM-2 425-430	0.5	<.02
KM-2 430-435		<.02
KM-2 435-440	<.2	<.02
KM-2 440-445		<.02
KM-2 445-450	<.2	<.02
METHOD	AA/BC	A.A.
DIGESTION	4Acid	AcRex

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

ANALYTICAL REPORT

Job 8069
20-Dec-85

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

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-2 450-455		<.02
KM-2 455-460	0.2	<.02
KM-1 310-315		<.02

METHOD AA/BC A.A.

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CONE GEOCHEMICAL INC.
10 Quail Street, Suite 1
akewood, Colorado 80215
303) 232-8371

Job 8081
23-Dec-85
Page 1

ANALYTICAL REPORT

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

PO #
PROJECT
85-539

SAMPLE NUMBER	PPM AG	PPM AU
KM-2 460-465	0.6	<.02
KM-2 465-470	2.5	0.03
KM-2 470-475	1.1	0.02
KM-2 475-480	0.3	<.02
KM-2 480-485	0.4	<.02
KM-2 485-490	2.6	0.05
KM-2 490-495	0.4	<.02
KM-2 495-500	2.6	<.02
KM-2 500-505	<.2	0.02
KM-2 505-510	<.2	<.02
KM-2 510-515	<.2	<.02
KM-2 515-520	0.2	<.02
KM-2 520-525	<.2	<.02
KM-2 525-530	<.2	<.02
KM-2 530-535	<.2	<.02
KM-2 535-540	<.2	<.02
KM-2 540-545	<.2	<.02
KM-2 545-550	<.2	<.02
KM-2 550-555	0.6	<.02
KM-2 555-560	0.4	<.02
KM-2 560-565	0.2	<.02
KM-2 565-570	0.3	<.02
KM-2 570-575	3.2	<.02
KM-2 575-580	0.9	0.18
KM-2 580-585	0.6	0.19
KM-2 585-590	0.5	0.15
KM-2 590-595	11.7	0.21
KM-2 595-600	12.6	0.32
KM-2 600-605	5.9	0.64

1)7/13

3 0 1985

CONE
GEOCHEMICAL INC.
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Lakewood, Colorado 80215
(303) 232-8371

Job 8098
23-Dec-85
Page 1

FIRE ASSAY REPORT

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

PO #
PROJECT
85-539

SAMPLE NUMBER	OZ/TON GOLD
KM-2 100-105	0.010

METHOD 1 AT

S. Cone

KM-2 QUICKLOG Feb. 6, 1990

0-15 Overburden

15-550 mottled hint peach; green mod well bleached granular tuffs or highly altered pyroclastics, pirr. oxidized
80' - redox boundary
Chocolate w/ bleached zones

550-605 mixed green; pink Bud pyroclastic