

DISTRICT	Rosebud
DIST_NO	4010
COUNTY If different from written on document	Pershing
TITLE If not obvious	Rosebud Drill Hole File - Hole No. RS-487
AUTHOR	D. Schoorl; K. Allen; L.E. Mackeson J.P. Rogowski
DATE OF DOC(S)	2000
MULTI_DIST Y / N?	<input checked="" type="checkbox"/>
Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine ; Hecla Mining Co.; Rosebud Mining Co. LLC; Mother Lode; Rosebud Project
COMMODITY If not obvious	gold; silver
NOTES	drill logs; geology; assay; total depth 645'; geochemistry 17 p.

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)

Revised: 1/22/08

SS: DD Initials 3/20/08 Date  
DB: Initials Date  
SCANNED: Initials Date

RS-487

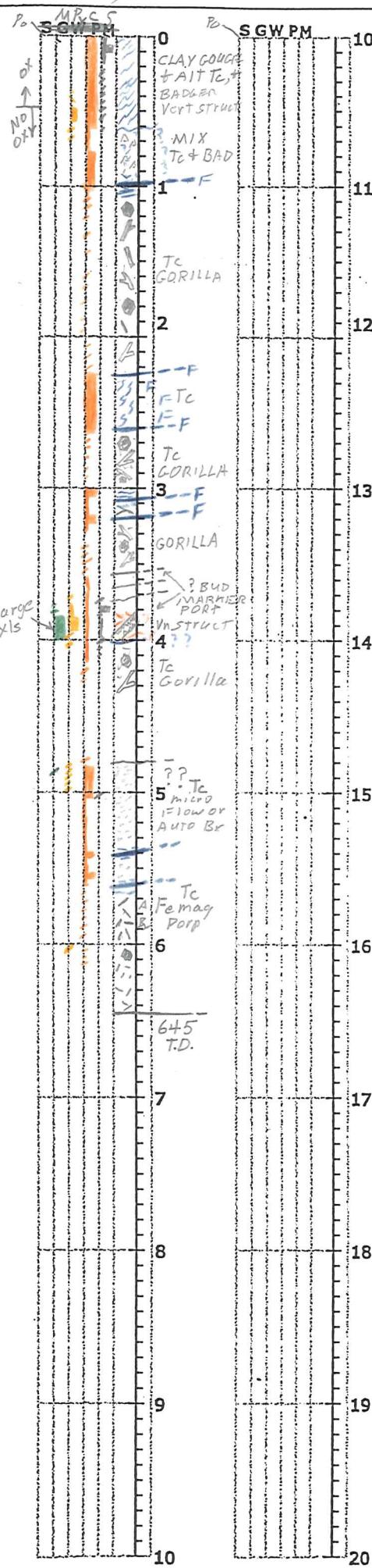
Jun 2000

60000608  
4010

# ROSEBUD MINING COMPANY, LLC.

COLLAR COORDINATES	START HOLE 23 on 2000	FINISH HOLE 24 on 2000	HOLE # H.S. 487
NORTH			LOGGED BY Rogers,
EAST			ANGLE - 90°
ELEV	DRILLER Doug Schaefer		
DRILLING CO. Eklund			

PAGE 1 OF SURVEYED Not SURVEYED



6000 0608

SGW PM

ALTERATION INTENSITY

1 2 3  
WEAK MODERATE STRONG

VERITHIN COLOR

737	SILICIFICATION
751	GREEN CLAY
747½	WHITE CLAY
755	PYRITE
757	MARCASITE

GRAPHIC LOG

VERITHIN COLOR

741	BRECCIA
741½	FAULT 741
737	CONTACT
741½	QUARTZ VEIN
747½	CALCITE VEIN
755	CLAY VEIN
755	PYRITE VEIN

SP

## SUBMITTAL FORM

*MUL 2 more copies*
**American  
Assay  
Laboratories**
Company: Rosebird Mining, LLCAddress: P.O. Box 2610City Winnemucca State NV Zip 89446Telephone Number: (702) 623-6912 Fax Number: (702) 623-6967Project Name: Mother Lode Purchase Order Number: \_\_\_\_\_Date Submitted: 25 Jan 2000 Number of Samples: 367RESULTS REPORTED IN: ppm [ ] ppb [  ] opt [  ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-486 (Dull Hite) 070665	RC	As + Ag + Cu + Nickel Sulfide mineralization
RS-487 070645		Sulfide, feldspar + cassiterite
RS-489 070525		
Kurt: Please analyze 20 feet west of 070665 the sample from 070645 for ICP + So. I want elements		
1 (one) pulp - Re-sampled from the stringer at end of road		

## COARSE REJECTS (Normally Discarded After 60 Days)

 Return COD after analysis complete

## RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Kurt Allen  
P.O. Box 2610  
Winnemucca, NV 89446

Results to:

Kurt Allen  
2610 P.O.

## PULPS (Normally Stored Free For One Month)

 Discard after one month Return COD after one month

## Comments:

*Plus two samples  
left behind @ hole  
RS 485 35-40  
45-50*

AMERICAN ASSAY LABORATORIES

**PROVISIONAL REPORT SPO55768**

PO BOX 11530  
 RENO NV, USA  
 Ph.(775) 356-0606, Fax.(775) 356-1413

**HECLA MINING COMPANY**

COPIES TO : KURT ALLEN

:

:

:

CLIENT REFERENCE No: RS-487

RECEIVED : 28 JAN 2000

No. SAMPLES : 130

REPORTED : 14 FEB 2000

MAIN SAMPLE TYPE : DRILL CUTTINGS

**NEVADA LEGISLATIVE DISCLAIMER :-**

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him and based on an evaluation of all engineering data which is available concerning any proposed project.

ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au	FA30	15%	ppb	5
Au(R)	FA30	15%	ppb	5
Au(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
Ag	D210	10%	PPM	0.5
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Leonard E. Mackeson B.S.

Page : 1

## AMERICAN ASSAY LABORATORIES

**PROVISIONAL REPORT SPO55768**

CLIENT : HECLA MINING COMPANY  
 PROJECT : MOTHER LODE  
 REFERENCE : RS-487  
 REPORTED : 14 FEB 2000

SAMPLES	Au	Au(R)	Au(OZ)	Au(RZ)	Ag	Ag(OZ)
RS-487 000-005	10		<0.001			
RS-487 005-010	8		<0.001			
RS-487 010-015	<5		<0.001			
RS-487 015-020	<5		<0.001			
RS-487 020-025	<5		<0.001			
RS-487 025-030	10		<0.001			
RS-487 030-035	14		<0.001			
RS-487 035-040	11		<0.001			
RS-487 040-045	70		0.002			
RS-487 045-050	23		<0.001			
RS-487 050-055	20		<0.001			
RS-487 055-060	8		<0.001			
RS-487 060-065	<5		<0.001			
RS-487 065-070	<5		<0.001			
RS-487 070-075	<5		<0.001			
RS-487 075-080	<5		<0.001			
RS-487 080-085	<5		<0.001			
RS-487 085-090	<5	<5	<0.001	<0.001		
RS-487 090-095	<5		<0.001			
RS-487 095-100	<5		<0.001			
RS-487 100-105	<5		<0.001			
RS-487 105-110	<5		<0.001			
RS-487 110-115	<5		<0.001			
RS-487 115-120	<5		<0.001			
RS-487 120-125	<5		<0.001			

## AMERICAN ASSAY LABORATORIES

**PROVISIONAL REPORT SP055768**

CLIENT : HECLA MINING COMPANY  
 PROJECT : MOTHER LODE  
 REFERENCE : RS-487  
 REPORTED : 14 FEB 2000

SAMPLES	Au	Au(R)	Au(OZ)	Au(RZ)	Ag	Ag(OZ)
RS-487 125-130	<5		<0.001			
RS-487 130-135	<5		<0.001			
RS-487 135-140	<5		<0.001			
RS-487 140-145	<5		<0.001			
RS-487 145-150	<5	<5	<0.001	<0.001		
RS-487 150-155	<5		<0.001			
RS-487 155-160	<5		<0.001			
RS-487 160-165	<5		<0.001			
RS-487 165-170	<5		<0.001			
RS-487 170-175	<5		<0.001			
RS-487 175-180	<5		<0.001			
RS-487 180-185	<5		<0.001			
RS-487 185-190	<5		<0.001			
RS-487 190-195	<5		<0.001			
RS-487 195-200	<5		<0.001			
RS-487 200-205	<5		<0.001			
RS-487 205-210	<5		<0.001			
RS-487 210-215	<5		<0.001			
RS-487 215-220	<5	<5	<0.001	<0.001		
RS-487 220-225	7		<0.001			
RS-487 225-230	8		<0.001			
RS-487 230-235	11		<0.001			
RS-487 235-240	6		<0.001			
RS-487 240-245	7		<0.001			
RS-487 245-250	<5		<0.001			

## AMERICAN ASSAY LABORATORIES

**PROVISIONAL REPORT SPO55768**

CLIENT : HECLA MINING COMPANY  
 PROJECT : MOTHER LODE  
 REFERENCE : RS-487  
 REPORTED : 14 FEB 2000

SAMPLES	Au	Au(R)	Au(OZ)	Au(RZ)	Ag	Ag(OZ)
RS-487 250-255	<5		<0.001			
RS-487 255-260	5		<0.001			
RS-487 260-265	5		<0.001			
RS-487 265-270	<5		<0.001			
RS-487 270-275	9		<0.001			
RS-487 275-280	<5		<0.001			
RS-487 280-285	<5		<0.001			
RS-487 285-290	<5		<0.001			
RS-487 290-295	<5		<0.001			
RS-487 295-300	<5		<0.001			
RS-487 300-305	7		<0.001			
RS-487 305-310	<5		<0.001			
RS-487 310-315	<5		<0.001			
RS-487 315-320	<5		<0.001			
RS-487 320-325	<5		<0.001			
RS-487 325-330	12		<0.001			
RS-487 330-335	5		<0.001			
RS-487 335-340	6		<0.001			
RS-487 340-345	<5		<0.001			
RS-487 345-350	<5		<0.001			
RS-487 350-355	<5		<0.001			
RS-487 355-360	<5	<5	<0.001	<0.001		
RS-487 360-365	<5		<0.001			
RS-487 365-370	<5		<0.001			
RS-487 370-375	<5		<0.001			

**AMERICAN ASSAY LABORATORIES**  
**PROVISIONAL REPORT SP055768**

CLIENT : HECLA MINING COMPANY  
 PROJECT : MOTHER LODE  
 REFERENCE : RS-487  
 REPORTED : 14 FEB 2000

SAMPLES	Au	Au(R)	Au(OZ)	Au(RZ)	Ag	Ag(OZ)
RS-487 375-380	<5		<0.001			
RS-487 380-385	12		<0.001			
RS-487 385-390	42		0.001			
RS-487 390-395	21		<0.001			
RS-487 395-400	<5		<0.001			
RS-487 400-405	<5		<0.001			
RS-487 405-410	6		<0.001			
RS-487 410-415	<5		<0.001			
RS-487 415-420	<5		<0.001			
RS-487 420-425	<5	<5	<0.001	<0.001		
RS-487 425-430	6		<0.001			
RS-487 430-435	<5		<0.001			
RS-487 435-440	<5		<0.001			
RS-487 440-445	<5		<0.001			
RS-487 445-450	<5		<0.001			
RS-487 450-455	<5		<0.001			
RS-487 455-460	<5		<0.001			
RS-487 460-465	<5		<0.001			
RS-487 465-470	<5		<0.001			
RS-487 470-475	<5		<0.001			
RS-487 475-480	<5		<0.001			
RS-487 480-485	<5	6	<0.001	<0.001		
RS-487 485-490	8		<0.001			
RS-487 490-495	5		<0.001			
RS-487 495-500	<5		<0.001			

**AMERICAN ASSAY LABORATORIES**  
**PROVISIONAL REPORT SPO55768**

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 PROJECT : MOTHER LODE  
 REFERENCE : RS-487  
 REPORTED : 14 FEB 2000

SAMPLES	Au	Au(R)	Au(OZ)	Au(RZ)	Ag	Ag(OZ)
RS-487 500-505	<5		<0.001			
RS-487 505-510	<5		<0.001			
RS-487 510-515	<5		<0.001			
RS-487 515-520	<5	<5	<0.001	<0.001		
RS-487 520-525	<5		<0.001			
RS-487 525-530	<5		<0.001			
RS-487 530-535	<5		<0.001			
RS-487 535-540	<5		<0.001			
RS-487 540-545	<5		<0.001			
RS-487 545-550	<5		<0.001			
RS-487 550-555	<5		<0.001			
RS-487 555-560	<5		<0.001			
RS-487 560-565	<5		<0.001			
RS-487 565-570	<5		<0.001			
RS-487 570-575	<5		<0.001			
RS-487 575-580	<5		<0.001			
RS-487 580-585	<5		<0.001			
RS-487 585-590	<5		<0.001			
RS-487 590-595	<5	<5	<0.001	<0.001		
RS-487 595-600	<5		<0.001			
RS-487 600-605	5		<0.001			
RS-487 605-610	<5		<0.001			
RS-487 610-615	<5		<0.001			
RS-487 615-620	<5		<0.001			
RS-487 620-625	<5		<0.001			

## AMERICAN ASSAY LABORATORIES

## PROVISIONAL REPORT SPO55768

CLIENT : HECLA MINING COMPANY  
PROJECT : MOTHER LODE  
REFERENCE : RS-487  
REPORTED : 14 FEB 2000

SAMPLES	Au	Au(R)	Au(OZ)	Au(RZ)	Ag	Ag(OZ)
RS-487 625-630	<5		<0.001			
RS-487 630-635	<5		<0.001			
RS-487 635-640	<5		<0.001			
RS-487 640-645	<5		<0.001			
75394	1796		0.052			







**ROSEBUD PROJECT  
DRILL LOG**

## INTENSITY

1 = WEAK

1 - YEAR

## 2 = MODERATE

3 = STRONG

Dr. Z. K. V. - 1

HOLE NUMBER

PAGE 3 OF 8

DATE \_\_\_\_\_

LOGGED BY \_\_\_\_\_

LOGGED BY \_\_\_\_\_  
TOTAL DEPTH

TOTAL DEPTH

RS-487

LOCATION ROSE BUD, MT

LOCATION 1  
NORTHING

NORTHING —  
FASTING

EASTING \_\_\_\_\_  
ELEVATION

ELEVATION \_\_\_\_\_  
AZIMUTH \_\_\_\_\_

AZIMUTH \_\_\_\_\_  
INCLINATION

**AREA -**

DRILLING CO.

**RIG TYPE**

**RIS TIE** \_\_\_\_\_  
**HOLE SIZE**

HOLE SIZE \_\_\_\_\_  
DOWN HOLE

DOWN HOLE

100 - 200

3 / 8



## INTENSITY

*1 = WEAK*

2 = MODERATE

$\angle = \text{MODERN}$

3 = STRONG

or Zakiya Yel

to my son

ROSEBUD PROJECT  
DRILL LOG

HOLE NUMBER

PAGE 4 OF 8

DATE \_\_\_\_\_

LOGGED BY \_\_\_\_\_

TOTAL DEPTH \_\_\_\_\_

Digitized by srujanika@gmail.com

RS-487

LOCATION ROSEBUD, SD

LOCATION  
NORTHERN

NORTH  
FASTING

EASTING ELEVATION

ELEVATION  
AZIMUTH

AZIMUTH  
INCLINAT

INCLINATION

AREA \_\_\_\_\_

## DRILLING CO.

RIG TYPE \_\_\_\_\_

HOLE SIZE \_\_\_\_\_

DOWN HOLE

2 - 300

4 / 8



## **ROSEBUD PROJECT DRILL LOG**

INTENSITY  
1 = WEAK  
2 = MODERATE  
3 = STRONG  
or % by Vol

HOLE NUMBER R5-481  
PAGE 5 OF 8  
DATE \_\_\_\_\_  
LOGGED BY \_\_\_\_\_  
TOTAL DEPTH \_\_\_\_\_

LOCATION ROSE BUD, NV  
NORTHING \_\_\_\_\_  
EASTING \_\_\_\_\_  
ELEVATION \_\_\_\_\_  
AZIMUTH \_\_\_\_\_  
INCLINATION \_\_\_\_\_

AREA \_\_\_\_\_  
DRILLING CO. \_\_\_\_\_  
RIG TYPE \_\_\_\_\_  
HOLE SIZE \_\_\_\_\_  
DOWN HOLE SURVEY BY \_\_\_\_\_

3-400

5  
18



INTENSITY

1 = WEAK

2 = MODERATE

3 = STRONG

or % by Vol

HOLE NUMBER R5-487  
PAGE 6 OF 8  
DATE \_\_\_\_\_  
LOGGED BY \_\_\_\_\_  
TOTAL DEPTH \_\_\_\_\_LOCATION ROSEBUD, NV  
NORTHING \_\_\_\_\_  
EASTING \_\_\_\_\_  
ELEVATION \_\_\_\_\_  
AZIMUTH \_\_\_\_\_  
INCLINATION \_\_\_\_\_AREA \_\_\_\_\_  
DRILLING CO. \_\_\_\_\_  
RIG TYPE \_\_\_\_\_  
HOLE SIZE \_\_\_\_\_  
DOWN HOLE SURVEY BY \_\_\_\_\_4-500 6  
8ROSEBUD PROJECT  
DRILL LOG

FEET	GRAPHIC	ROCK TYPE	LITHOLOGY	HARDNESS	TEXTURE	ALTERATION										MINERALIZATION						METALLURGY	ANALYTICAL DATA				
						SILICIFICATION 5% 15% +25%	WATER 0.05%	ARGILLIC 5% 15% +25%	TYPE CLOSER CLOSER K-SPO K-SPO	PROPYC % CLOSER CLOSER K-SPO K-SPO	POTASSIC % CLOSER CLOSER K-SPO K-SPO	OXIDATION 5% 15% +25%	VENING % TYPE	SULFIDES 5% 15% +25%	PY %	COPY %	MAR %	K-SUL %	STIB %	BART %	OXIDE SULF CARBON MUDRE	FROM	TO	W	Au	As	
400			400 - 410 B.I. chd. Tc gorilla Tr Py, phony Felds a lot fa. Emerald green. (chlorite?)	S	tr	2	0									tr	tr										
410			410 - 420 Tc Gorilla Porphyry	S	tr	1-2	tr									0											
420			420 - 430 Glomo P plaq & B.I. W/ occa K-spar & Femag	H	0	1	tr																				
430																											
440																											
450																											
460																											
470																											
480			480 - 490 ?? - Strongly Argillitic SOMETHING INSIDE CALCITE XI.	H	VS	tr	0	3	tr	0	tr	0	tr	tr		tr	tr	tr	tr	tr	tr	X	X	X	NOTE a clear calcitoxi		
490			490 - 500 but poss epi- clastic w/ v. small clasts A few hrs. Tc gorilla frags Prob a dike Poss a Tc micro flowbx	VS	0	0	3	tr	0	tr	0	tr	tr	tr	tr	tr	tr	tr	tr	tr	tr						
500						0	0	2+3	0	0	0	0	0	0	0	0	0	0	0	0	0						

Ad hoc key



INTENSIT  
1 = WEAK  
2 = MODERATE  
3 = STRONG  
or % by Vol.

HOLE NUMBER 1  
PAGE 7 OF 8  
DATE \_\_\_\_\_  
LOGGED BY \_\_\_\_\_  
TOTAL DEPTH \_\_\_\_\_

RS-487

LOCATION ROSE BUD, NV  
NORTHING \_\_\_\_\_  
EASTING \_\_\_\_\_  
ELEVATION \_\_\_\_\_  
AZIMUTH \_\_\_\_\_  
INCLINATION \_\_\_\_\_

AREA \_\_\_\_\_  
DRILLING CO. \_\_\_\_\_  
RIG TYPE \_\_\_\_\_  
HOLE SIZE \_\_\_\_\_  
DOWN HOLE SURVEY BY \_\_\_\_\_

5-600 7/  
8.



INTENSITY  
1 = WEAK  
2 = MODERATE

HOLE NUMBER KS-487  
PAGE 8 OF 8  
DATE \_\_\_\_\_  
LOGGED BY \_\_\_\_\_  
TOTAL DEPTH 645 TD

LOCATION ROSEBUD, NV  
NORTHING \_\_\_\_\_  
EASTING \_\_\_\_\_  
ELEVATION \_\_\_\_\_  
AZIMUTH \_\_\_\_\_  
INCLINATION \_\_\_\_\_

AREA Mother Lode 6-645 TD 8  
DRILLING CO. \_\_\_\_\_ / 8  
RIG TYPE \_\_\_\_\_  
HOLE SIZE \_\_\_\_\_  
DOWN HOLE SURVEY BY \_\_\_\_\_