60001107

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. D-227-98
AUTHOR	S. King; K. Allen; B. Morris
DATE OF DOC(S)	1998
MULTI_DIST Y / (N?) Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Rosebud Project; Rosebud Mining Co. LLC Hecla Mining Co.; East Zone
COMMODITY If not obvious	gold; silver
NOTES	Drill log; geology; assay; photographs; total depth 180' receipt; handwritten notes; downhole camera images 22p. 3 down hole camera images

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)

	Initials	Date
SS:	DP	5/13/08
DB:	mdh	
SCANNED:		

Revised: 1/22/08

D-227-98

60001107 4010

6000 1107

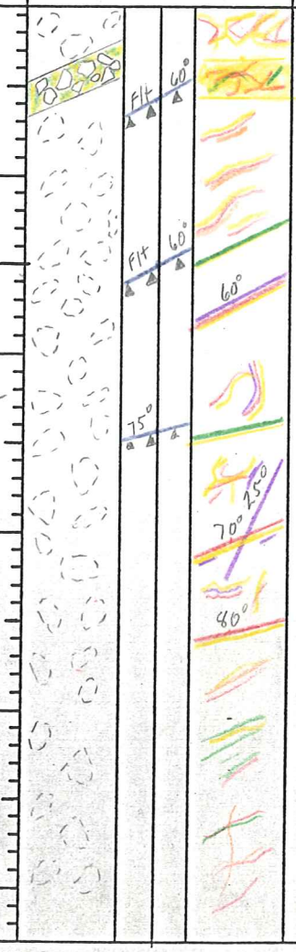
quartz, chalcedony, silicification
faults, fractures
FeOx
sulfide
calcite, carbonate
argillization, white clays
propylitization
potassic alteration
chlorite, chloritic clays

Hecla MINING COMPANY

ROSEBUD PROJECT
DIAMOND DRILL LOG

HOLE NUMBER	D-227-98	LOCATION	East Zone Stope 42 Sec. 1450
PAGE 1 OF 3		NORTHING	
DATE	6/1/98	EASTING	
LOGGED BY	Brian W. Morris	ELEVATION	
SCALE	1" = 10'	AZIMUTH	N54W
TOTAL DEPTH	180'	INCLINATION	+37°

REMARKS

ITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
	Reduced	0 - Autobrecciated Dozer Lt gry fg equigranular monolithic subrounded clasts "ghosts" supported by Lt gry fg equigranular MTx	5, 10, 15, 20, 25, 30, 35, 40, 45, 50		3.4 - 5.5' Mostly Clast supported Rubble Bxa W/Minor Milled Bxa. Subangular - rounded clasts .1 - 2 cm dia healed by gr - gry - blk SiO_2. 14.5 - 15.5 Milled Bxa: Subround clasts .2 - 3cm dia, gr clay + SiO_2 MTx.	3.4 - 5.5' Mod leaching of MTx W/ drusy Qt lining 5.5 - 11.5' Mod bladed Marc + SiO_2 ± Wh Clay subparallel Vn .1 - .5cm wide. ± gr clay Vn. 15.5 - 40.3 Minor .5 - 1cm wide Bladed Marc + SiO_2 + barite ± gr clay Vn. 40.3 - 43.5 Mod .1 - .5cm wide gr clay ± marc ± SiO_2 ± wh clay. Vn 43.5 - 50.0 wk Sulf ± Wh Clay ± gr clay

ANALYTICAL DATA						
FROM	TO	W	Au	Ag	Au2	Ag
0	3.4					
3.4	5.5					
5.5	10.0					
10.0	11.5					
11.5	14.5					
14.5	15.5					
15.5	20.0					
20.0	25.0					
25.0	30.0					
30.0	35.0					
35.0	40.3					
40.3	43.5					
43.5	45.0					
45.0	50.0					

HOLE NUMBER D-227-98 PAGE 2 OF 3

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION	ANALYTICAL DATA FROM	TO	W	Au	Ag	Au2
	Reduced	50– Autobreccia Dozer	55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120	68°, 32°, 75°, 35°		50–62.5' Wk SiO_2+Sulf± wh Clay Vn .1-.2cm wide & Vnlets, Minor wk diss patches.	50.0	55.0				
							55.0	60.0				
						62.5–70.0 Peru wk gr clay alt, v. wk-wk Sulf patches, v. wk dendritic Sulf Vnlets.	60.0	62.5				
							62.5	65.0				
							65.0	70.0				
						70.0–76.0' wk-mod SiO_2+Sulf fine stkwk, Minor str sulf soaked patches, Minor Vuggie barite Vn.	70.0	76.0				
		76.0–95.0 Clast "ghosts" show flowbanding.				76.0–95.0' Mod patchy Orange alt color highlights flowbanding & clast ghosts, locally v. str reddish br color along Fx, Minor str sulf patches	76.0	80.0				
							80.0	85.0				
							85.0	90.0				
							90.0	95.0				
						95.0–96.8' .4' wide gry SiO_2 healed Milled bxa, mod gr clay+Sulf+SiO_2 Vn.	95.0	100.5				
		Pima				100.5–105.0 Mod reddish br+gr clay+Sulf hairline stkwk!	100.5	105.0				
							105.0	110.0				
							110.0	115.0				
		119.8– Tos Fault Contact				116.8–119.8 Mod gry SiO_2+ Marc Vn, locally Vuggie.	115.0	119.8				

HOLE NUMBER D-227-98 PAGE 3 OF 3

LITH.	OX/RED.	LITHOLOGY	FT	GRAPHIC LOG	STRUCTURE	ALTERATION AND MINERALIZATION
	Reduced	119.8 - South Ridge Fault Zone 119.8 - 127.8' TOS Gr-Lt gr Cg reworked epiclastic Tuff w/ minor blk phyllite clasts Pima 127.8 - 132.5 TOS/fg massive LBT/LBT Planner Laminated Vitric Mixed Clast TOS: Gr Cg reworked epiclastic w/ blk phyllite grains / Lt br fg massive LBT / Gr fg massive weakly lam. LBT / Wh Massive fg Vitr phyre, str clay alt. 132.5 - 135.8 Felsic Porphyry (Peph autobxa?) wh euhedral feld phenos 1-3 long supported by fg pinkish Tan ground mass. 135.8-149.3 Bud Tuff Breccia DK gr-Lt gry subangular-subrounded clast supported Tuff	125 130 135 140 145	55°	119.8-127.8' Milled Bxa: Gr-Lt gr Cg rounded-subrounded TOS Clasts healed by gr SiO_2 127.8' Lower SRF Plane Slick Plane is in a gry SiO_2 flood milled Bxa 127.8-135.8 Mill Bxa: Rounded-subangular clasts healed by gr SiO_2 135.8-147.5 Rubble Bxa: Mostly Mtx supported subangular-subrounded clasts healed by gr SiO_2 + Rx flour Mtx. 147.5-149.0 Lt gry SiO_2 flood milled Bxa w/ gr & br round clast "ghosts". 149.3 Upper SRF Plane	120.0-125.0' Wk argil overprint wk diss sulf blebs. 132.5-135.8 Mod wh clay filled vugs, Minor stibnite xl's in clay, Minor botrioday py xls in wh clay. 136.3-137.9' V. Str perv wh clay alt of Bxa Mtx, wk diss sulf blebs. 137.9-142.4 Str Fx w/ str wh Clay alt along Fx. 142.4-147.5 wk argil overprint
Tc		149.3-153.8' Fine Grain Massive Tuff Pinkish Tan fine Grain Massive Tuff	150	W	149.3-153.8 Crackle Bxa healed by gry SiO_2	149.3-153.8 Mod wh clay filled vugs, Mod sulf soaked patches.
Tc		153.8 - 160' Fine Grain Tuff Breccia Br fg-poorly sorted + br fg Mtx w/ Mg .1-.5cm dia reworked Tuff Clasts	155		153.8-160 Mod silic, Mod wh Clay + Stibnite filled Fx.	159.5-160.9' str grr gry + dk gry banded SiO_2.
		160' Tc Bxa Fault Contact Volcanic Tuff Bxa: Lt gry-wh fg-Mg poorly sorted subangular ash clasts supported by Lt br-Med. br fg-Mg poorly sorted Mtx.	160 165	60° FH 45°	45	160-180' Patchy silicification w/ localized str argil, Clasts Str argil wk-Mod sulf + SiO_2 vn. 161.9-162.9 str wh SiO_2 Vug Filling + SiO_2 + wh Rx flour healed Milled Bxa Vn, Silic vn along Milled Bxa Vn.
		T.D. 180'	170 175 180	45°		

ANALYTICAL DATA

FROM	TO	W	Au	Ag	Au2
120.0	125.0				
125.0	127.8				
127.8	132.5				
132.5	136.8				
136.8	137.9				
137.9	142.4				
142.4	147.5				
147.5	149.3				
149.3	153.8				
153.8	155.0				
155.0	159.5				
159.5	160.9				
160.9	161.9				
161.9	162.9				
162.9	165.0				
165.0	170.0				
170.0	175.0				
175.0	180.0				

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-227-98 DATE: 6/1/98 LOGGED BY: Brian W. Morris PAGE 1 OF 2

DRILL RUN FROM	DRILL RUN TO	SOLID CORE RECOVERY (%)	TOTAL CORE RECOVERY (%)	RQD	ROCK STRENGTH DOWNHOLE DEPTH	ROCK STRENGTH POINT LOAD INDEX (Is50)	FRACTURE DATA FRACTURE DENSITY (#/FT.)	FRACTURE DATA AVG. ANGLE TO C.A.	FRACTURE DATA ROUGHNESS	FRACTURE DATA INFILL	DENSITY DATA DOWNHOLE DEPTH	DENSITY DATA SAMPLE WEIGHT (g)	DENSITY DATA DISPLACEMENT (cc)	DENSITY DATA DENSITY (g/cc)
0	5.0	100.0	100.0	38.0										
5.0	15.0	84.0	84.0	75.0										
15.0	25.0	95.0	95.0	73.7										
25.0	35.0	92.0	92.0	78.3										
35.0	39.0	87.5	88.6	67.7										
39.0	40.0	130.0	130.0	76.9										
40.0	50.0	98.0	98.0	76.5										
50.0	60.0	97.0	97.0	87.6										
60.0	70.0	100.0	100.0	94.0										
70.0	76.0	91.7	91.7	76.4										
76.0	85.0	100.0	100.0	84.4										

HECLA MINING COMPANY – ROSEBUD PROJECT
GEOTECHNICAL DRILL LOG

HOLE # D-227-98 DATE: 6/1/98 LOGGED BY: BWM PAGE 2 OF 2

DRILL RUN FROM	DRILL RUN TO	SOLID CORE RECOVERY (%)	TOTAL CORE RECOVERY (%)	RQD	ROCK STRENGTH DOWNHOLE DEPTH	ROCK STRENGTH POINT LOAD INDEX (psi)	FRACTURE DATA FRACTURE DENSITY (/FT.)	FRACTURE DATA AVG. ANGLE TO C.A.	FRACTURE DATA ROUGHNESS	FRACTURE DATA INFILL	DENSITY DATA DOWNHOLE DEPTH	DENSITY DATA SAMPLE WEIGHT (g)	DENSITY DATA DISPLACEMENT (cc)	DENSITY DATA DENSITY (g/cc)
85.0	95.0	99.0	99.0	93.9										
95.0	105.0	98.0	98.0	32.7										
105.0	115.0	99.0	99.0	90.9										
115.0	125.0	97.0	97.0	64.9										
125.0	135.0	97.0	97.0	55.7										
135.0	145.0	91.0	91.0	7.7										
145.0	147.5	100.0	100.0	0.0										
147.5	149.0	73.3	73.3	36.4										
149.0	150.0	60.0	60.0	0.0										
150.0	160.0	89.0	89.0	36.0										
160.0	170.0	81.0	81.0	24.7										
170.0	180.0	83.0	83.0	65.1										

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP049154

PO BOX 11530
RENO NV,USA
Ph.(702) 356-0606, Fax.(702) 356-1413

HECLA MINING COMPANY

COPIES TO : KURT ALLEN

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NSI

CLIENT REFERENCE No: D-227-98 RECEIVED : 15 JUN 1998

No. SAMPLES : 48 REPORTED : 18 JUN 1998

MAIN SAMPLE TYPE : DRILL CORE

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(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
AuGRAV	GRAV	15%	OPT	0.001
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Susan King M.S.

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP049154

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-227-98

REPORTED : 18 JUN 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)
D-227-98 0.0-3.4	0.003			0.04
D-227-98 3.4-5.5	0.003			0.02
D-227-98 5.5-10.0	0.006			0.03
D-227-98 10.0-11.5	0.009			0.02
D-227-98 11.5-14.5	0.009			0.03
D-227-98 14.5-15.5	0.007			0.04
D-227-98 15.5-20.0	0.006			0.05
D-227-98 20-25	0.006			0.04
D-227-98 25-30	0.011			0.04
D-227-98 30-35	0.006			0.03
D-227-98 35.0-40.3	0.016	0.012		0.06
D-227-98 40.3-43.5	0.009			0.03
D-227-98 43.5-45.0	0.002			0.02
D-227-98 45-50	0.002			0.03
D-227-98 50-55	0.006			0.04
D-227-98 55-60	0.008			0.02
D-227-98 60.0-62.5	0.004			0.03
D-227-98 62.5-65.0	<0.001			<0.02
D-227-98 65-70	<0.001			<0.02
D-227-98 70-76	0.003	0.004		0.03
D-227-98 76-80	<0.001			<0.02
D-227-98 80-85	<0.001			<0.02
D-227-98 85-90	<0.001			<0.02
D-227-98 90-95	0.010			0.04
D-227-98 95.0-100.5	0.132		0.118	0.12

AMERICAN ASSAY LABORATORIES

PROVISIONAL REPORT SP049154

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-227-98

REPORTED : 18 JUN 1998

SAMPLES	Au(OZ)	Au(RZ)	AuGRAV	Ag(OZ)
D-227-98 100.5-105.0	0.006			0.04
D-227-98 105-110	0.012			0.04
D-227-98 110-115	0.006			0.03
D-227-98 115.0-119.8	0.079		0.099	0.06
D-227-98 120-125	0.032			<0.02
D-227-98 125.0-127.8	0.011			0.02
D-227-98 127.8-132.5	0.010			0.05
D-227-98 132.5-136.8	0.014			0.46
D-227-98 136.8-137.9	0.011			0.29
D-227-98 137.9-142.4	0.022			0.20
D-227-98 142.4-147.5	0.031	0.034		0.63
D-227-98 147.5-149.3	0.002			0.19
D-227-98 149.3-153.8	0.003			0.32
D-227-98 153.8-155.0	0.004			0.37
D-227-98 155.0-159.5	0.007			1.20
D-227-98 159.5-160.9	0.006			0.90
D-227-98 160.9-161.9	0.003			0.07
D-227-98 161.9-162.9	0.010			0.06
D-227-98 162.9-165.0	0.007			0.04
D-227-98 165-170	0.012			0.07
D-227-98 170-175	0.017			0.08
D-227-98 175-180	0.004			0.11
33777	0.517			2.66

American Assay Laboratories

INVOICE

Remit To: P.O. Box11530
Reno, Nevada 89510
Phone NO.: 702-356-0606
Fax No.: 702-356-1413

AMERICAN ASSAY LABORATORIES
1800 GLENDALE AVE.
SPARKS, NV 89431

(702) 356-0606

INVOICE NO: SP 0049154-IN
INVOICE DATE: 06/22/98

INVOICE TO:
THE ROSEBUD MINING CO., LLC
HECLA MINING COMPANY, OPERATOR
P.O. BOX 2610
WINNEMUCCA NV 89446

THE ROSEBUD MINING CO., LLC
HECLA MINING COMPANY, OPERATOR
P.O. BOX 2610
WINNEMUCCA NV 89446

CUSTOMER P.O.	PROJECT	TERMS
0-227-98	DEVELOPMENT	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
48	SAMPLES RECEIVED	.00	.00
47	DRYING	1.00	47.00
47	JAW CRUSHING CHARGE	1.30	61.10
47	COARSE MILLING CHARGE	4.50	211.50
47	SPLITTING CHARGE	2.40	112.80
47	FINE MILLING CHARGE	2.00	94.00
48	AU (1 A.T. FIRE ASSAY)	8.00	384.00
2	AU ANALYSES/GRAVIMETRIC	8.75	17.50
48	HYDROCHLORIC/NITRIC DIGESTION	2.00	96.00
48	AG ANALYSES	1.00	48.00

86-5030-477
KA

NET INVOICE:	1,071.90
LESS DISCOUNT:	214.38
FREIGHT:	6?.00
INVOICE TOTAL:	857.52

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ANALYSIS REPORT SP049154

American Assay Laboratories

PO BOX 11530
RENO NV,USA
Ph.(702) 356-0606, Fax.(702) 356-1413

HECLA MINING COMPANY

COPIES TO : KURT ALLEN

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CLIENT REFERENCE No: D-227-98 RECEIVED : 15 JUN 1998

No. SAMPLES : 48 REPORTED : 18 JUN 1998

MAIN SAMPLE TYPE : DRILL CORE

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ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
AuGRAV	GRAV	15%	OPT	0.001
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP049154

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-227-98

REPORTED : 18 JUN 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-227-98 0.0-3.4	0.003			0.04
D-227-98 3.4-5.5	0.003			0.02
D-227-98 5.5-10.0	0.006			0.03
D-227-98 10.0-11.5	0.009			0.02
D-227-98 11.5-14.5	0.009			0.03
D-227-98 14.5-15.5	0.007			0.04
D-227-98 15.5-20.0	0.006			0.05
D-227-98 20-25	0.006			0.04
D-227-98 25-30	0.011			0.04
D-227-98 30-35	0.006			0.03
D-227-98 35.0-40.3	0.016	0.012		0.06
D-227-98 40.3-43.5	0.009			0.03
D-227-98 43.5-45.0	0.002			0.02
D-227-98 45-50	0.002			0.03
D-227-98 50-55	0.006			0.04
D-227-98 55-60	0.008			0.02
D-227-98 60.0-62.5	0.004			0.03
D-227-98 62.5-65.0	<0.001			<0.02
D-227-98 65-70	<0.001			<0.02
D-227-98 70-76	0.003	0.004		0.03
D-227-98 76-80	<0.001			<0.02
D-227-98 80-85	<0.001			<0.02
D-227-98 85-90	<0.001			<0.02
D-227-98 90-95	0.010			0.04
D-227-98 95.0-100.5	0.132		0.118	0.12

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP049154

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-227-98

REPORTED : 18 JUN 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-227-98 100.5-105.0	0.006			0.04
D-227-98 105-110	0.012			0.04
D-227-98 110-115	0.006			0.03
D-227-98 115.0-119.8	0.079		0.099	0.06
D-227-98 120-125	0.032			<0.02
D-227-98 125.0-127.8	0.011			0.02
D-227-98 127.8-132.5	0.010			0.05
D-227-98 132.5-136.8	0.014			0.46
D-227-98 136.8-137.9	0.011			0.29
D-227-98 137.9-142.4	0.022			0.20
D-227-98 142.4-147.5	0.031	0.034		0.63
D-227-98 147.5-149.3	0.002			0.19
D-227-98 149.3-153.8	0.003			0.32
D-227-98 153.8-155.0	0.004			0.37
D-227-98 155.0-159.5	0.007			1.20
D-227-98 159.5-160.9	0.006			0.90
D-227-98 160.9-161.9	0.003			0.07
D-227-98 161.9-162.9	0.010			0.06
D-227-98 162.9-165.0	0.007			0.04
D-227-98 165-170	0.012			0.07
D-227-98 170-175	0.017			0.08
D-227-98 175-180	0.004			0.11
33777	0.517			2.66

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ANALYSIS REPORT SP049154

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Ph.(702) 356-0606, Fax.(702) 356-1413

HECLA MINING COMPANY

COPIES TO : KURT ALLEN
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CLIENT REFERENCE No: D-227-98 RECEIVED : 15 JUN 1998

No. SAMPLES : 48 REPORTED : 18 JUN 1998

MAIN SAMPLE TYPE : DRILL CORE

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ANALYSIS	ANALYTICAL METHOD	QUALITY PARAMETER	UNIT	DETECTION
Au(OZ)	FA30	15%	OPT	0.001
Au(RZ)	FA30	15%	OPT	0.001
AuGRAV	GRAV	15%	OPT	0.001
Ag(OZ)	D210	10%	OPT	0.02

SIGNATORY : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP049154

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-227-98

REPORTED : 18 JUN 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-227-98 0.0-3.4	0.003			0.04
D-227-98 3.4-5.5	0.003			0.02
D-227-98 5.5-10.0	0.006			0.03
D-227-98 10.0-11.5	0.009			0.02
D-227-98 11.5-14.5	0.009			0.03
D-227-98 14.5-15.5	0.007			0.04
D-227-98 15.5-20.0	0.006			0.05
D-227-98 20-25	0.006			0.04
D-227-98 25-30	0.011			0.04
D-227-98 30-35	0.006			0.03
D-227-98 35.0-40.3	0.016	0.012		0.06
D-227-98 40.3-43.5	0.009			0.03
D-227-98 43.5-45.0	0.002			0.02
D-227-98 45-50	0.002			0.03
D-227-98 50-55	0.006			0.04
D-227-98 55-60	0.008			0.02
D-227-98 60.0-62.5	0.004			0.03
D-227-98 62.5-65.0	<0.001			<0.02
D-227-98 65-70	<0.001			<0.02
D-227-98 70-76	0.003	0.004		0.03
D-227-98 76-80	<0.001			<0.02
D-227-98 80-85	<0.001			<0.02
D-227-98 85-90	<0.001			<0.02
D-227-98 90-95	0.010			0.04
D-227-98 95.0-100.5	0.132		0.118	0.12

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP049154

American Assay Laboratories

CLIENT : HECLA MINING COMPANY
PROJECT : ROSEBUD DEVELOPMENT
REFERENCE : D-227-98

REPORTED : 18 JUN 1998

SAMPLES	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	AuGRAV GRAV OPT	Ag(OZ) D210 OPT
D-227-98 100.5-105.0	0.006			0.04
D-227-98 105-110	0.012			0.04
D-227-98 110-115	0.006			0.03
D-227-98 115.0-119.8	0.079		0.099	0.06
D-227-98 120-125	0.032			<0.02
D-227-98 125.0-127.8	0.011			0.02
D-227-98 127.8-132.5	0.010			0.05
D-227-98 132.5-136.8	0.014			0.46
D-227-98 136.8-137.9	0.011			0.29
D-227-98 137.9-142.4	0.022			0.20
D-227-98 142.4-147.5	0.031	0.034		0.63
D-227-98 147.5-149.3	0.002			0.19
D-227-98 149.3-153.8	0.003			0.32
D-227-98 153.8-155.0	0.004			0.37
D-227-98 155.0-159.5	0.007			1.20
D-227-98 159.5-160.9	0.006			0.90
D-227-98 160.9-161.9	0.003			0.07
D-227-98 161.9-162.9	0.010			0.06
D-227-98 162.9-165.0	0.007			0.04
D-227-98 165-170	0.012			0.07
D-227-98 170-175	0.017			0.08
D-227-98 175-180	0.004			0.11
33777	0.517			2.66

15
RS-D227-98 BOX 2
DEPTH 9.5 - 19.5

5
RS-D227-98 BOX 1
DEPTH 0 - 9.5

25
RS-D227-98 BOX 3
DEPTH 19.5 - 29

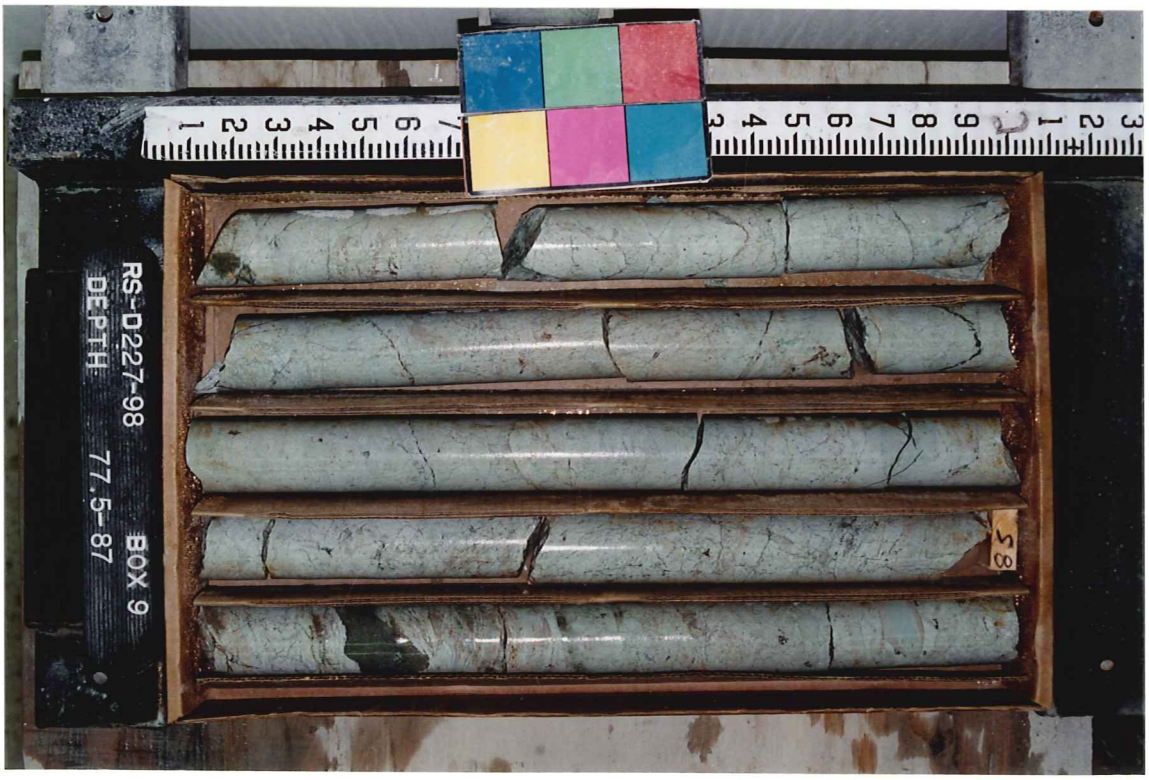
40
RS-D227-98 BOX 5
DEPTH 40-49.5

39
35
RS-D227-98 BOX 4
DEPTH 29-40

50
RS-D227-98 BOX 6
DEPTH 49.5-58.5

RS-D227-98 BOX 8
DEPTH 68.5-77.5

RS-D227-98 BOX 7
DEPTH 58.5-68.5


RS-D227-98 BOX 9
DEPTH 77.5-87

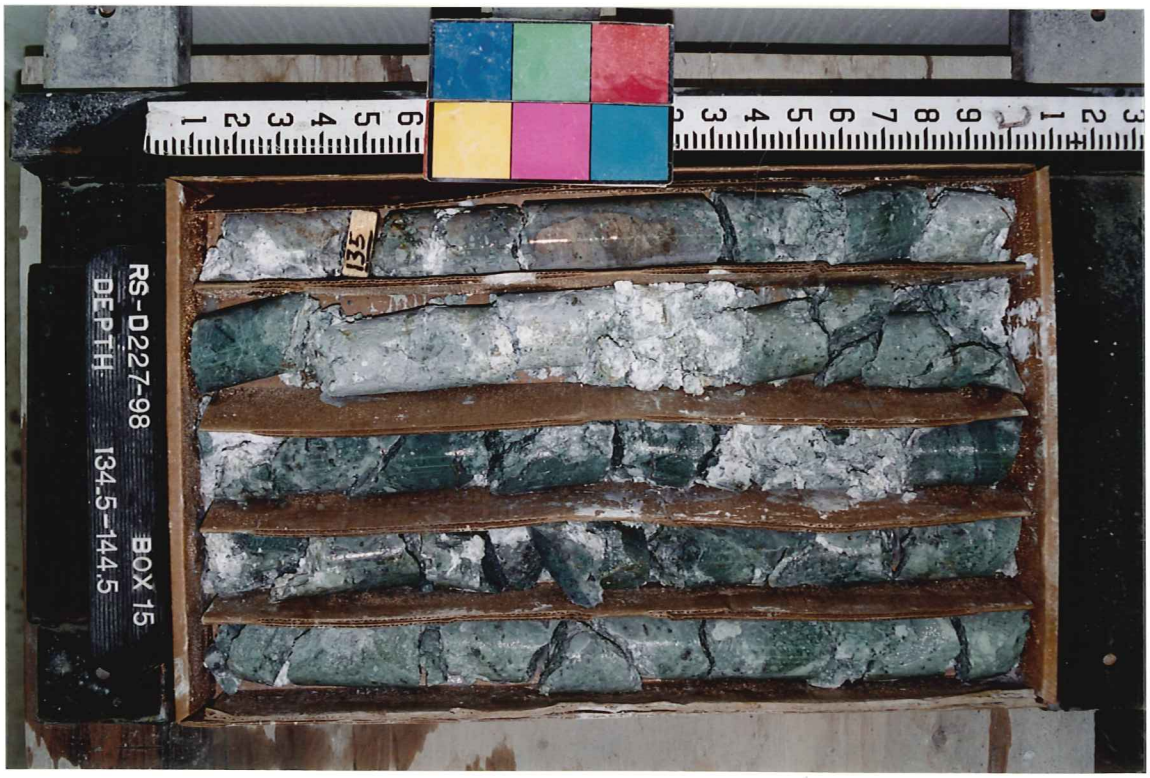
105
RS-D227-98 BOX 11
DEPTH 96.5-106

95
RS-D227-98 BOX 10
DEPTH 87-96.5

115
RS-D227-98 BOX 12
DEPTH 106 - 115.5

RS-D227-98
BOX 14
DEPTH
125.5-134.5

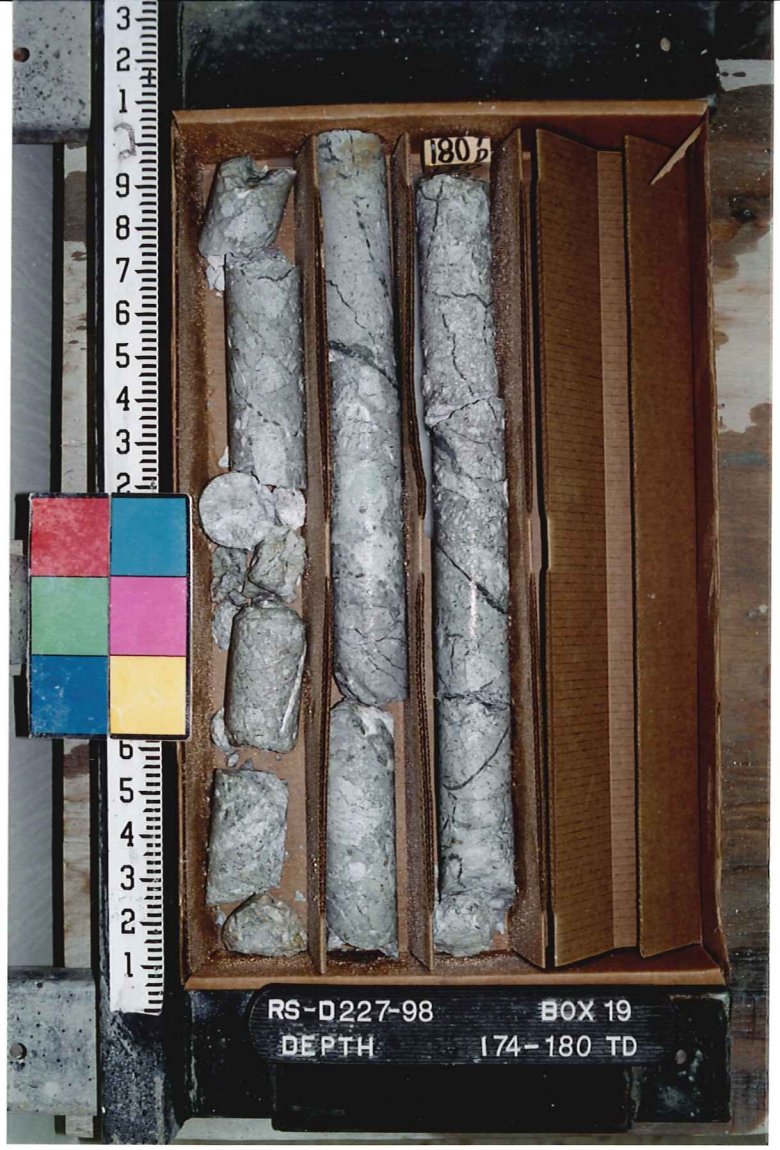
RS-D227-98
BOX 13
DEPTH
115.5-125.5


RS-D227-98
BOX 15
DEPTH
134.5-144.5

160
RS-D227-98 BOX 17
DEPTH 154-164

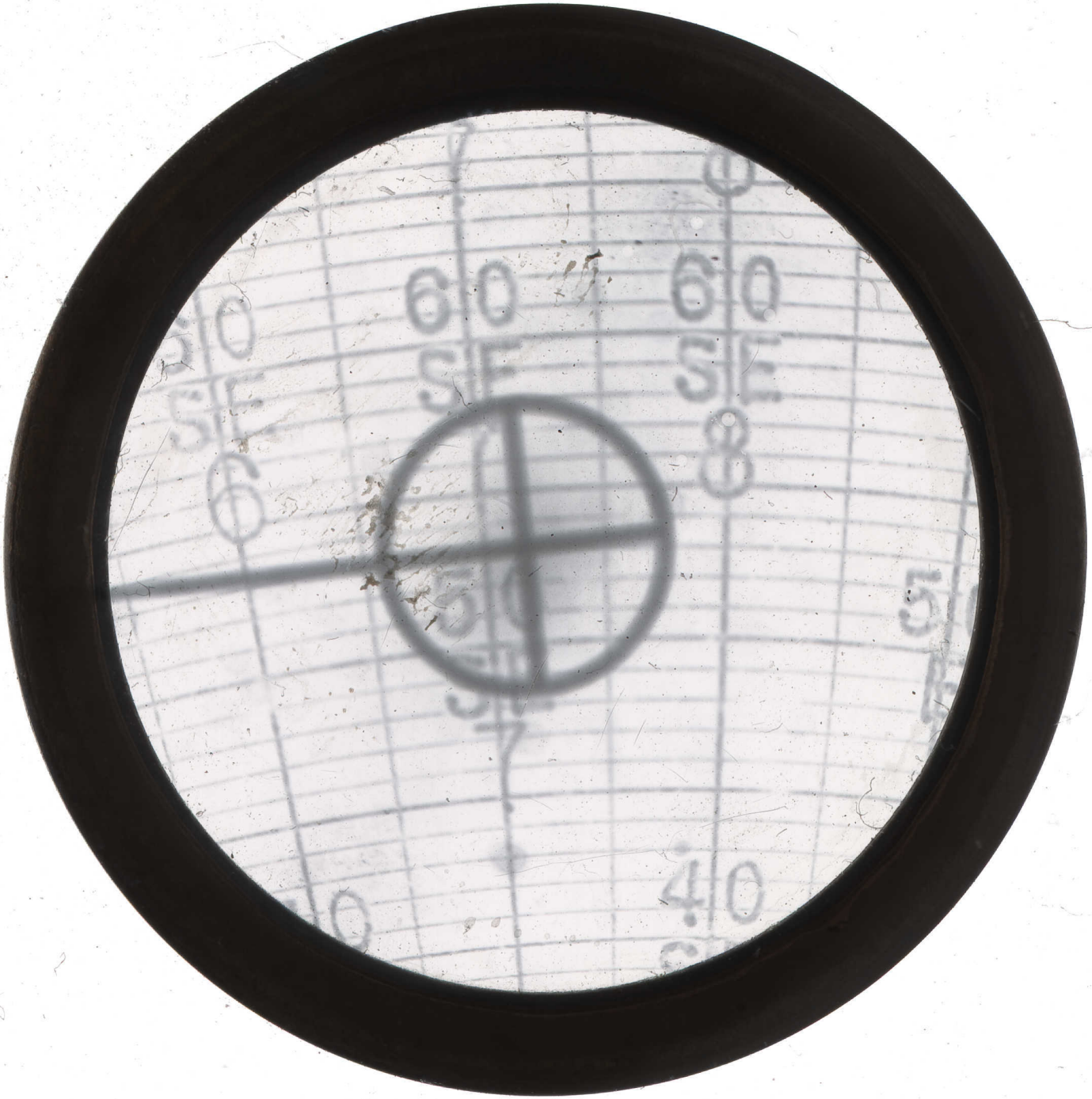
150
147.5
145
RS-D227-98 BOX 16
DEPTH 144.5-154

RS-D227-98 BOX 18
DEPTH 164-174
D-10
R-10


180b
RS-D227-98
BOX 19
DEPTH
174-180 TD

SINGLE SHOT
PHOTO DISC RECORD

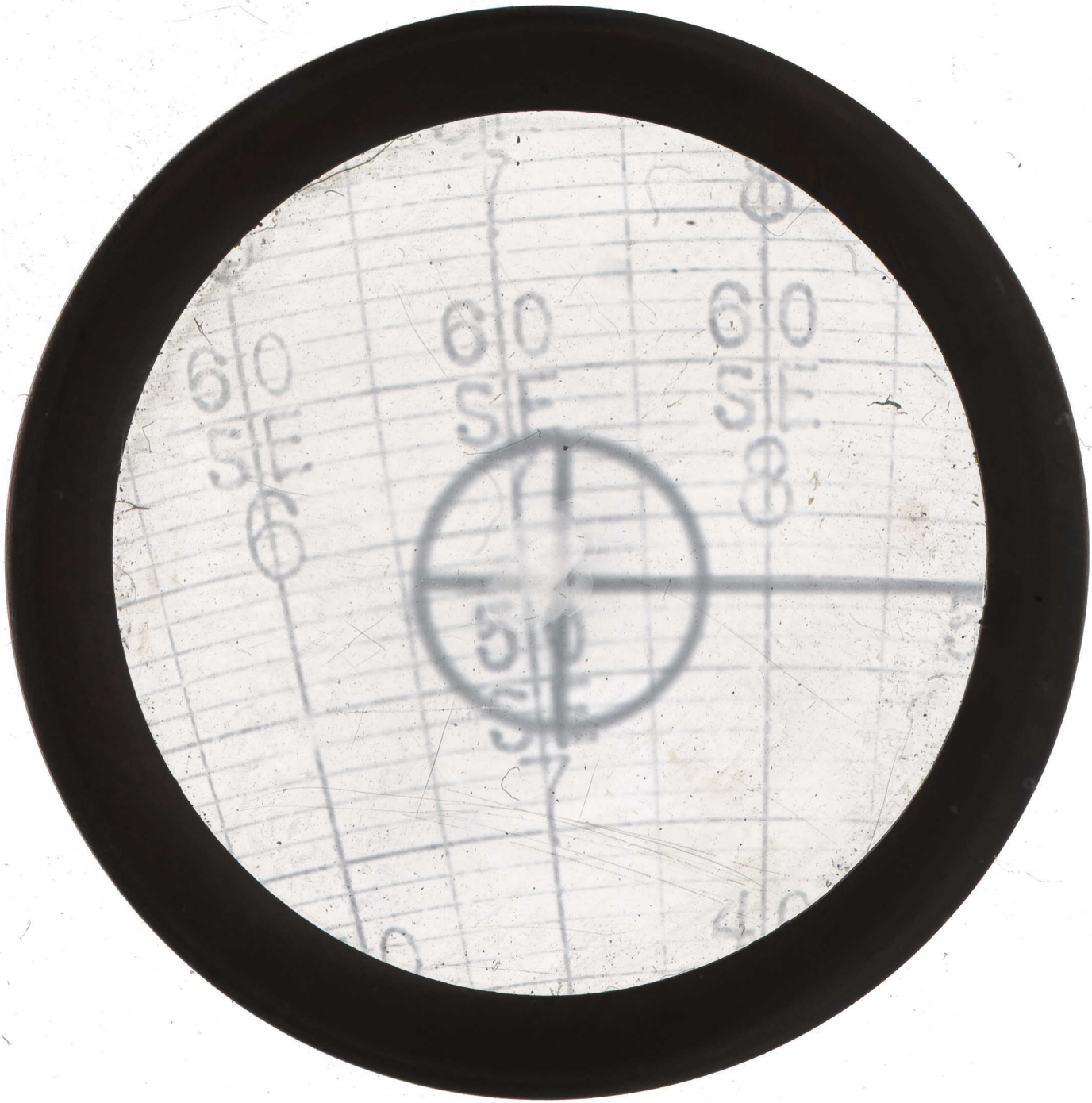
COMPANY
WELL NAME D-227-98
LEASE
TAKEN BY Jerome
DEPTH 180'
DATE 4-13-98
DRIFT ANGLE
DIRECTION
TYPE
JOB NO.
HI-1408



SINGLE SHOT
PHOTO DISC RECORD

COMPANY Hecla
WELL NAME D-227-98
LEASE
TAKEN BY Hunter
DEPTH 90'
DATE 4-13-98
DRIFT ANGLE
DIRECTION
TYPE
JOB NO. 1

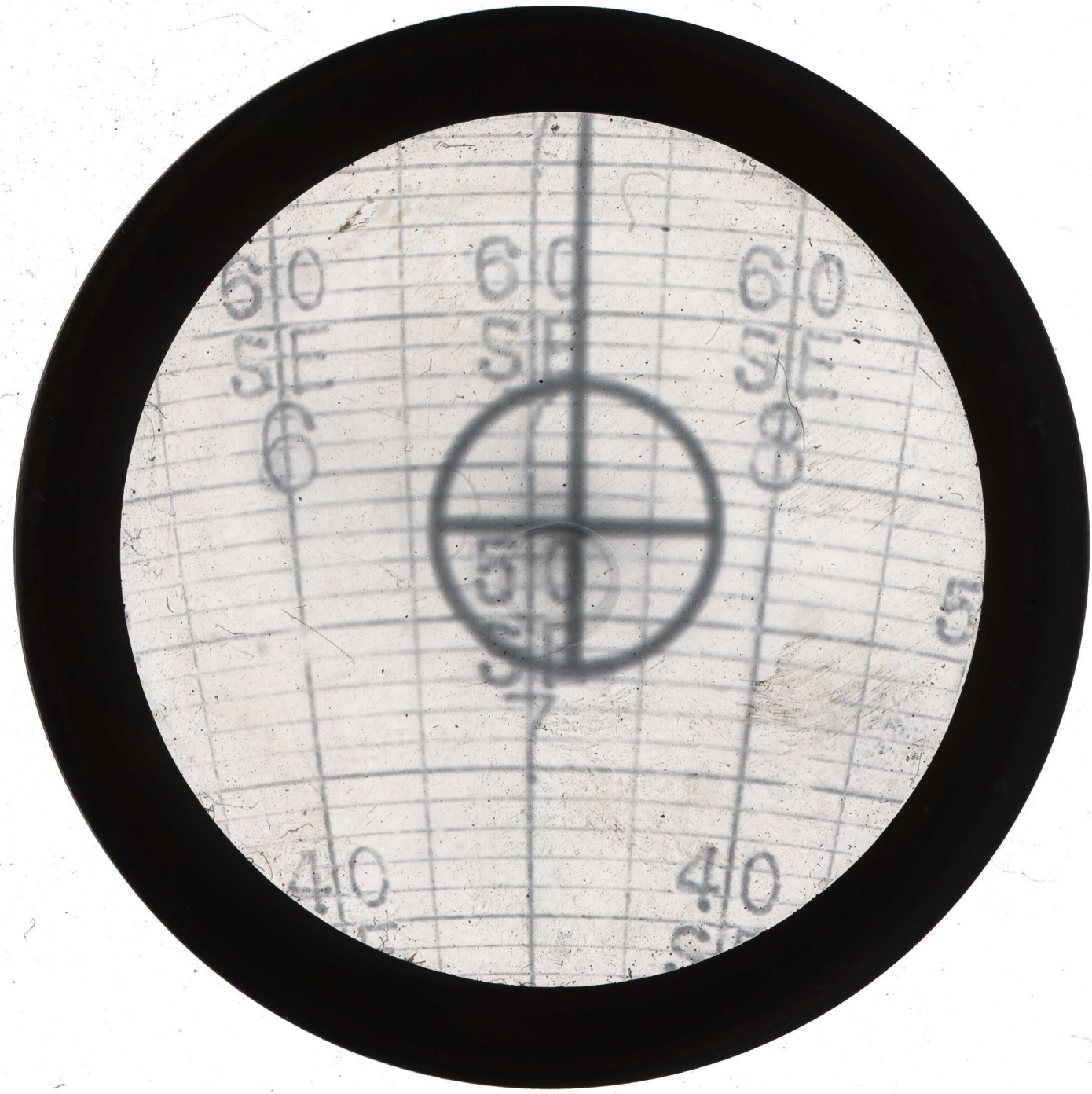
HI-1408



SINGLE SHOT
PHOTO DISC RECORD

COMPANY Hecla
WELL NAME D-227-98
LEASE
TAKEN BY Hunter
DEPTH Collar'
DATE 4-13-98
DRIFT ANGLE
DIRECTION
TYPE
JOB NO. 1

HI-1408


60
SE
6
60
SE
60
SE
8
50
40
40