6000 0528

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. RS-422
AUTHOR	C. Ballew; V. Reid, R. Vance; M. Jex; S. King; G. Langstaff
DATE OF DOC(S)	1993-1998
MULTI_DIST Y / N? Additional Dist_Nos:	
QUAD_NAME	Sulphur 7.5'
P_M_C_NAME (mine, claim & company names)	Rosebud Mine; Newmont Gold Co Newmont Exploration Ltd
COMMODITY If not obvious	gold; silver
NOTES	drill logs; geology; assay; geochemistry photographs; total depth 2380' invoices negatives 119p 3 oversized 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)

SS: DD 3/18/08
Initials Date

DB:
Initials Date

SCANNED:
Initials Date

Revised: 1/22/08

RS-422

60000528

NEWMONT EXPLORATION LIMITED — DRILL HOLE SUMMARY

Project: Rosebud Location: Lucky Boy Drill Hole No.: RS-422

State: NV Co.: Pershing T.: R.: S.:

Purpose: Results:

Date Started: 11/6/97 Date Finished: 2/18/98

Grid System: NV state plane Northing: 2,207,919 Easting: 477,567 Elevation: 5749

Collar Az/Inc.: / -90 Total Depth: 2380

Geologist(s): Log Date(s): Laboratory:

HOLE CONSTRUCTION AND HISTORY CASING (INTERVAL):

From	To	Hole Type/Size	Started	Completed	Contractor
0	1135	rc /	10/30/97	11/5/97	Eklund
1135	2380	core / HQ	1/20/98	2/11/98	Boart-Longyear
1450	2100	core / NQ	2/15/98?	2/18/98	Boart-Longyear
		/			

redrilled 1450-2100 after setting wedge and reducing core size to replace core lost in warehouse fire

LITHOLOGIC SUMMARY				ALTERATION/	SIGNIFICANT ASSAYS				
From	To	Formation	Rock Type	MINERALIZATION	From	To	Width	Au oz/st	Cutoff
hole abandoned at 2380' due to drilling problems - didn't hit JTK basement									

DOWNHOLE SURVEYS			COMMENTS
Directional		Date:	
Other See enclosed			
Depth (ft)	Azimuth	Inclination	both holes coincident at 1450
			original:
			2100 depth 244' @ 278°, -83.5
1100	130' @ 267°	-83.2°	redrilled:
2380	276' @ 278°	-83.7°	2100 depth 230' @ 277°, -85° (proj. from 2067')
	see Welnav Survey		see Welnav Survey
Water Table Depth: 250' from Welnav survey			
Water Flow Rate:			

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP047315

American Assay Laboratories

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

NEWMONT GOLD COMPANY

COPIES TO : RANDY VANCE

: KURT ALLEN

:

:

CLIENT REFERENCE No: RS-422 RC

No. SAMPLES : 232
Drill Cuttings

MAIN SAMPLE TYPE : DRILL CUTTINGS

RECEIVED : 19 NOV 1997

REPORTED : 19 NOV 1997

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 : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP047315

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 19 NOV 1997

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 000-005	7		<0.001		<0.5	<0.02
RS-422 005-010	<5		<0.001		<0.5	<0.02
RS-422 010-015	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 015-020	<5		<0.001		<0.5	<0.02
RS-422 020-025	<5		<0.001		<0.5	<0.02
RS-422 025-030	<5		<0.001		<0.5	<0.02
RS-422 030-035	13		<0.001		<0.5	<0.02
RS-422 035-040	17		<0.001		<0.5	<0.02
RS-422 040-045	<5		<0.001		<0.5	<0.02
RS-422 045-050	119	122	0.003	0.004	0.7	0.02
RS-422 050-055	220		0.006		9.7	0.28
RS-422 055-060	168		0.005		3.1	0.09
RS-422 060-065	118		0.003		0.7	0.02
RS-422 065-070	127		0.004		1.5	0.04
RS-422 070-075	123		0.004		0.9	0.03
RS-422 075-080	85		0.002		0.7	0.02
RS-422 080-085	12		<0.001		<0.5	<0.02
RS-422 085-090	<5		<0.001		<0.5	<0.02
RS-422 090-095	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 095-100	<5		<0.001		<0.5	<0.02
RS-422 100-105	<5		<0.001		<0.5	<0.02
RS-422 105-110	<5		<0.001		<0.5	<0.02
RS-422 110-115	<5		<0.001		<0.5	<0.02
RS-422 115-120	<5		<0.001		<0.5	<0.02
RS-422 120-125	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP047315

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 19 NOV 1997

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 125-130	<5		<0.001		<0.5	<0.02
RS-422 130-135	<5		<0.001		<0.5	<0.02
RS-422 135-140	<5		<0.001		<0.5	<0.02
RS-422 140-145	39	49	0.001	0.001	<0.5	<0.02
RS-422 145-150	<5		<0.001		<0.5	<0.02
RS-422 150-155	<5		<0.001		<0.5	<0.02
RS-422 155-160	<5		<0.001		<0.5	<0.02
RS-422 160-165	<5		<0.001		<0.5	<0.02
RS-422 165-170	<5		<0.001		<0.5	<0.02
RS-422 170-175	<5		<0.001		<0.5	<0.02
RS-422 175-180	<5		<0.001		<0.5	<0.02
RS-422 180-185	<5		<0.001		<0.5	<0.02
RS-422 185-190	<5		<0.001		<0.5	<0.02
RS-422 190-195	<5		<0.001		<0.5	<0.02
RS-422 195-200	<5		<0.001		1.0	0.03
RS-422 200-205	<5		<0.001		<0.5	<0.02
RS-422 205-210	<5		<0.001		<0.5	<0.02
RS-422 210-215	<5		<0.001		<0.5	<0.02
RS-422 215-220	<5		<0.001		<0.5	<0.02
RS-422 220-225	<5		<0.001		0.7	0.02
RS-422 225-230	<5		<0.001		0.5	<0.02
RS-422 230-235	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 235-240	<5		<0.001		0.5	<0.02
RS-422 240-245	<5		<0.001		<0.5	<0.02
RS-422 245-250	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP047315

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 19 NOV 1997

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 250-255	<5		<0.001		<0.5	<0.02
RS-422 255-260	<5		<0.001		<0.5	<0.02
RS-422 260-265	<5		<0.001		<0.5	<0.02
RS-422 265-270	<5		<0.001		<0.5	<0.02
RS-422 270-275	<5		<0.001		<0.5	<0.02
RS-422 275-280	<5		<0.001		<0.5	<0.02
RS-422 280-285	<5		<0.001		<0.5	<0.02
RS-422 285-290	<5		<0.001		<0.5	<0.02
RS-422 290-295	<5		<0.001		<0.5	<0.02
RS-422 295-300	<5		<0.001		<0.5	<0.02
RS-422 300-305	<5		<0.001		<0.5	<0.02
RS-422 305-310	<5		<0.001		<0.5	<0.02
RS-422 310-315	<5		<0.001		<0.5	<0.02
RS-422 315-320	<5		<0.001		<0.5	<0.02
RS-422 320-325	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 325-330	<5		<0.001		<0.5	<0.02
RS-422 330-335	<5		<0.001		<0.5	<0.02
RS-422 335-340	<5		<0.001		<0.5	<0.02
RS-422 340-345	<5		<0.001		<0.5	<0.02
RS-422 345-350	<5		<0.001		<0.5	<0.02
RS-422 350-355	<5		<0.001		<0.5	<0.02
RS-422 355-360	<5		<0.001		<0.5	<0.02
RS-422 360-365	<5		<0.001		<0.5	<0.02
RS-422 365-370	<5		<0.001		0.5	<0.02
RS-422 370-375	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP047315

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 19 NOV 1997

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 375-380	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 380-385	<5		<0.001		<0.5	<0.02
RS-422 385-390	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 390-395	<5		<0.001		0.5	<0.02
RS-422 395-400	<5		<0.001		<0.5	<0.02
RS-422 400-405	<5		<0.001		<0.5	<0.02
RS-422 405-410	<5		<0.001		<0.5	<0.02
RS-422 410-415	<5		<0.001		<0.5	<0.02
RS-422 415-420	<5		<0.001		<0.5	<0.02
RS-422 420-425	<5		<0.001		<0.5	<0.02
RS-422 425-430	<5		<0.001		<0.5	<0.02
RS-422 430-435	<5		<0.001		<0.5	<0.02
RS-422 435-440	<5		<0.001		<0.5	<0.02
RS-422 440-445	<5		<0.001		<0.5	<0.02
RS-422 445-450	10		<0.001		<0.5	<0.02
RS-422 450-455	<5		<0.001		<0.5	<0.02
RS-422 455-460	<5		<0.001		<0.5	<0.02
RS-422 460-465	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 465-470	<5		<0.001		<0.5	<0.02
RS-422 470-475	<5		<0.001		<0.5	<0.02
RS-422 475-480	<5		<0.001		<0.5	<0.02
RS-422 480-485	<5		<0.001		<0.5	<0.02
RS-422 485-490	<5		<0.001		<0.5	<0.02
RS-422 490-495	<5		<0.001		<0.5	<0.02
RS-422 495-500	<5	<5	<0.001	<0.001	<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP047315

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 19 NOV 1997

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 500-505	<5		<0.001		<0.5	<0.02
RS-422 505-510	<5		<0.001		<0.5	<0.02
RS-422 510-515	<5		<0.001		<0.5	<0.02
RS-422 515-520	<5		<0.001		<0.5	<0.02
RS-422 520-525	<5		<0.001		<0.5	<0.02
RS-422 525-530	<5		<0.001		<0.5	<0.02
RS-422 530-535	<5		<0.001		<0.5	<0.02
RS-422 535-540	<5		<0.001		<0.5	<0.02
RS-422 540-545	<5		<0.001		<0.5	<0.02
RS-422 545-550	<5		<0.001		<0.5	<0.02
RS-422 550-555	5		<0.001		<0.5	<0.02
RS-422 555-560	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 560-565A	<5		<0.001		<0.5	<0.02
RS-422 560-565B	12500		0.365		ISF	ISF
RS-422 565-570	<5		<0.001		<0.5	<0.02
RS-422 570-575	<5		<0.001		<0.5	<0.02
RS-422 575-580	<5		<0.001		<0.5	<0.02
RS-422 580-585	7		<0.001		<0.5	<0.02
RS-422 585-590	<5		<0.001		<0.5	<0.02
RS-422 590-595	<5		<0.001		<0.5	<0.02
RS-422 595-600	8		<0.001		<0.5	<0.02
RS-422 600-605	<5		<0.001		<0.5	<0.02
RS-422 605-610	18		<0.001		<0.5	<0.02
RS-422 610-615	28	37	<0.001	0.001	<0.5	<0.02
RS-422 615-620	40		0.001		0.6	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP047315

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 19 NOV 1997

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 620-625	68		0.002		2.0	0.06
RS-422 625-630	53		0.002		2.2	0.06
RS-422 630-635	35		0.001		0.6	<0.02
RS-422 635-640	6		<0.001		0.5	<0.02
RS-422 640-645	<5		<0.001		0.6	<0.02
RS-422 645-650	32		<0.001		0.5	<0.02
RS-422 650-655	30		<0.001		0.6	<0.02
RS-422 655-660	<5		<0.001		<0.5	<0.02
RS-422 660-665	11		<0.001		<0.5	<0.02
RS-422 665-670	12		<0.001		<0.5	<0.02
RS-422 670-675	126		0.004		20.2	0.59
RS-422 675-680	43		0.001		2.0	0.06
RS-422 680-685	40	46	0.001	0.001	2.1	0.06
RS-422 685-690	18		<0.001		<0.5	<0.02
RS-422 690-695	5		<0.001		<0.5	<0.02
RS-422 695-700	<5		<0.001		<0.5	<0.02
RS-422 700-705	<5		<0.001		<0.5	<0.02
RS-422 705-710	<5		<0.001		<0.5	<0.02
RS-422 710-715	<5		<0.001		<0.5	<0.02
RS-422 715-720	<5		<0.001		<0.5	<0.02
RS-422 720-725	<5		<0.001		<0.5	<0.02
RS-422 725-730	<5		<0.001		<0.5	<0.02
RS-422 730-735A	<5		<0.001		<0.5	<0.02
RS-422 730-735B	105		0.003		ISF	ISF
RS-422 735-740	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP047315

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 19 NOV 1997

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 740-745	<5		<0.001		<0.5	<0.02
RS-422 745-750	<5		<0.001		<0.5	<0.02
RS-422 750-755	<5		<0.001		<0.5	<0.02
RS-422 755-760	<5		<0.001		<0.5	<0.02
RS-422 760-765	<5		<0.001		<0.5	<0.02
RS-422 765-770	<5		<0.001		<0.5	<0.02
RS-422 770-775	<5		<0.001		<0.5	<0.02
RS-422 775-780	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 780-785	<5		<0.001		<0.5	<0.02
RS-422 785-790	<5		<0.001		<0.5	<0.02
RS-422 790-795	<5		<0.001		<0.5	<0.02
RS-422 795-800	<5		<0.001		<0.5	<0.02
RS-422 800-805	<5		<0.001		<0.5	<0.02
RS-422 805-810	<5		<0.001		<0.5	<0.02
RS-422 810-815	<5		<0.001		<0.5	<0.02
RS-422 815-820	16		<0.001		<0.5	<0.02
RS-422 820-825	15		<0.001		<0.5	<0.02
RS-422 825-830	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 830-835	<5		<0.001		<0.5	<0.02
RS-422 835-840	<5		<0.001		1.2	0.04
RS-422 840-845	<5		<0.001		<0.5	<0.02
RS-422 845-850	<5		<0.001		<0.5	<0.02
RS-422 850-855	<5		<0.001		<0.5	<0.02
RS-422 855-860	<5		<0.001		<0.5	<0.02
RS-422 860-865	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP047315

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 19 NOV 1997

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 865-870	<5		<0.001		<0.5	<0.02
RS-422 870-875	<5		<0.001		<0.5	<0.02
RS-422 875-880	<5		<0.001		<0.5	<0.02
RS-422 880-885	<5		<0.001		<0.5	<0.02
RS-422 885-890	<5		<0.001		<0.5	<0.02
RS-422 890-895	<5		<0.001		<0.5	<0.02
RS-422 895-900	<5		<0.001		<0.5	<0.02
RS-422 900-905	<5		<0.001		<0.5	<0.02
RS-422 905-910	<5		<0.001		<0.5	<0.02
RS-422 910-915	<5		<0.001		<0.5	<0.02
RS-422 915-920	<5		<0.001		<0.5	<0.02
RS-422 920-925	9		<0.001		<0.5	<0.02
RS-422 925-930	<5		<0.001		<0.5	<0.02
RS-422 930-935	<5		<0.001		<0.5	<0.02
RS-422 935-940	<5		<0.001		<0.5	<0.02
RS-422 940-945	<5		<0.001		<0.5	<0.02
RS-422 945-950	<5		<0.001		<0.5	<0.02
RS-422 950-955	<5		<0.001		<0.5	<0.02
RS-422 955-960	13		<0.001		<0.5	<0.02
RS-422 960-965	35		0.001		1.4	0.04
RS-422 965-970	33		<0.001		2.4	0.07
RS-422 970-975	28		<0.001		3.1	0.09
RS-422 975-980	35		0.001		1.3	0.04
RS-422 980-985	66		0.002		3.2	0.09
RS-422 985-990	58		0.002		9.6	0.28

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP047315

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 19 NOV 1997

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 990-995	133		0.004		45.4	1.32
RS-422 995-1000	174		0.005		71.1	2.07
RS-422 1000-1005	138	140	0.004	0.004	6.2	0.18
RS-422 1005-1010	78		0.002		2.2	0.06
RS-422 1010-1015	64		0.002		1.8	0.05
RS-422 1015-1020	40		0.001		1.7	0.05
RS-422 1020-1025	137		0.004		18.7	0.55
RS-422 1025-1030	156		0.005		5.2	0.15
RS-422 1030-1035	62		0.002		1.5	0.04
RS-422 1035-1040	69		0.002		3.0	0.09
RS-422 1040-1045	50		0.001		35.2	1.03
RS-422 1045-1050	76		0.002		0.8	0.02
RS-422 1050-1055	28		<0.001		<0.5	<0.02
RS-422 1055-1060	30		<0.001		0.7	0.02
RS-422 1060-1065	15		<0.001		<0.5	<0.02
RS-422 1065-1070	62		0.002		1.3	0.04
RS-422 1070-1075	75		0.002		1.7	0.05
RS-422 1075-1080A	133		0.004		46.1	1.34
RS-422 1075-1080B	881		0.026		ISF	ISF
RS-422 1080-1085	121		0.004		2.2	0.06
RS-422 1085-1090	90		0.003		1.5	0.04
RS-422 1090-1095A	37		0.001		1.2	0.04
RS-422 1090-1095B	102		0.003		<0.5	<0.02
RS-422 1095-1100	91		0.003		2.8	0.08
RS-422 1100-1105	54		0.002		1.5	0.04

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP047315

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 19 NOV 1997

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 1105-1110	61		0.002		1.4	0.04
RS-422 1110-1115	25		<0.001		0.8	0.02
RS-422 1115-1120A	29		<0.001		1.5	0.04
RS-422 1115-1120B	106		0.003		<0.5	<0.02
RS-422 1120-1125	51		0.001		90.5	2.64
RS-422 1125-1130	192	176	0.006	0.005	68.6	2.00
RS-422 1130-1135	115		0.003		166.1	4.85

Newmont Gold Core Form

Hole# RS-422.1 **Logged by** R. Vance **Date** 4/20/98

Area Lucky Boy **Coords**

Az/Incl **Total Depth** **Contractor**

Page 1 of

Footage	% Rec	RQD	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Attitudes	fault	breccia	vein	gouge	Comments	Silic	argillic	clay	prop	Sericite	Chlorite	Adul.	FeOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay
	7.5 estimated	3.7		volc bxa	green to pink, Lt brown	NONE								volc bxa. Lt. pinkish green, loses color at 1507 due to argillization. Bxa barely matrix supported.		1						1	1	1				
1508	10	5.3			white				25 Flt: dip slicks																			
1510	100			Porph rhy tuff					60 PFF, 45 FLT, 45 s.j.					Sliver of porph. rhy. tuff ("white tuff"). Gritty texture, flow banded. Weakly porphyritic. 1521: 2" calcite vein, open space, xtls, but not bladed.	1	2					2?	2	1				
	6.4	0.5		volc bxa or porph rhyol. bxa	gray to Lt. gray				30, 80					shear jt @ 1517.5' has white clay + mc. Alter. contacts 90° TCA - silica veining. Sulfide is vfg → imparts gray color to rock.									3					
1520									50	3	3		2	1523-1582': clasts/intervals that are distinguishable are porphyritic -- resembles BMB. Euhedral feldsp. Either volc bxa or BMB bxa from 1514 to 1582'.														
	5.4	1.3																										
	108									3	3		2	1524.5': calcite vnlt ~1". Sheared boundaries of some clasts of porphyritic														
1530	4.4	0							65 curved s.j. w/ clay						2	3	2				1?		2					
	10.1	1.7												Fault: microbxa clearly tectonic. Some gouge.														
1540	101	17							55 black sulfide vnlt, 50 s.j.	3	3																	
	9.5	2.3							20 white clay s.j.																			
	95	23							25 clay s.j.																			
1550									25 curved s.j. w/ white clay	2	2			Slicks ~ 20° rake. TCA. green lithic clast 3cm long @ 1559'.														
	9.2	3.5																										
1560	92	35			Lt. brown to Lt. greenish brown				bxa vnlt 3 cm, 20 s.j., 50 s.j. + clay, s.j. 35, s.j. 40, py-clay vnlt 20	1				1561': irregular void-filling calcite. Slicks @ 30° TCA (strong). Good sulfide. Tectonic bx'n decreases ~ 1567'. Alteration breccia continues	1	2	2			1		1	2					
	9.9	7.1																										
1570	99	71												1575-1610 Good RQD.														
	10.0	8.8			greenish gray, grayish white (Alt. light)				50 sharp FLT plane → 25 slicks					Slicks 25° TCA	2	2	1			1	3?		2	1				
1580	100	88																										
	9.8	8.8		white tuff and tuff bxa					50 Alt'n vein, 65 vnlt, 50 ext. jt., 65 cal vn.					Increasing brown silica-adul? veining and bxa matrix. (Gradational). Angles TCA are 55-65°								0						
1590	98	88			greenish gray, brownish green										1	1	1				3?		2	1				
					reddish brown									5mm cal veinlet. 1594-99: Series of silica-FeOx-adul? microbxa veinlets nearly // TCA. Up to 2 cm wide. Cuts argilliz.								1						
T.S.	99	89			red to maroon									hematitic overprint on altered rock.	2							3	2	1				
1600	1	1																										

RBCORFRM.DWG Revised 3/17/98

Newmont Gold Core Form

Hole# RS-422.1 **Logged by** R. Vance **Date** 4/23/98

Area Lucky Boy (Wedge) **Coords** _____

Az/Incl _____ **Total Depth** _____ **Contractor** _____

Footage	% Rec	RQD	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Structure: Attitudes	fault	breccia	vein	gouge	Comments	Silic	argillic	clay	prop	Sericite	Chlorite	Adul?	FeOx	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay
1600	9.9 / 99	89		white tuff? and tuff bxa (altered)	dk red to maroon									subhedral qtz phenos (β), vfg.								3	2	1				
	102	100												strong hm is in h.w. of fault.	1	2	2											
1610					brownish green				50 FLT	3½				Sharp fault @ 1610.7'. Looks reactivated from gouge and bxa at 1614-17'. 1610.7	2	2	2					1	1	1				
	101	60			Pale brownish green.				5-8mm 45 clay-sulf. flt	2	3		2	Tectonic bxa cutting altered bxa At 1617', rock becomes brown due to silica-adul?; still bx'd.	1	2	2					1	2	2				
									60 s.j.					Some BMB-type clasts. MAFICS are altered to chlor and replaced by py. SULFide is diss. and vfg.	1	2	2				2		0	2				
1620																												
t.s.?	100	82																										
1630	9.7	6.0																										
	97	60							20 sheared sulf. vnlt					1634': shear jts 50-55 TCA.														
									28 Q-sulf veinlet 24	1	2		2	1634-1636.2': DK gray to black sulfides in flt gouge and slfd bxa w/ rounded lt. gray clasts 3-10 mm across. HW is 24° TCA, FW is 28° TCA. Best Black vnlt is 1.5-1.75" wide (true thickness) @ 1635'. Minor flt 65° TCA @ 1637'.	2	3	3						3	3	3	3		3	
1640		6.0			Light greenish brown				35 s.j.																			
	98	60							55 ext. jt.						1	3	3				1?		0	2				
									10 vnlt					Major py-clay-Q-cal veinlet 0.7 cm wide 10° TCA, at 1645'.														
									45 bxa					Brown silica ± adul bxa 0.5 cm wide 45 TCA.														
1650	10.0	3.7							20 s.j. w/clay					missing block at 1660', I added one. Recovery 1650-1670 is 102%. RQD = 30%														
									45 s.j. w/ clay					Rock is volcanic bxa or angular epiclastic overprinted w/ argillic + sulfide. 3 cm wide cal vn 30° TCA.														
	100	37			tan to brown				30					1-5 mm wide cal-sulf vnlts ± qtz. Stringer veinlets.														
								1656.5	35					cal-sulf-Q vnlt 1 cm wide. Sooty sulf. SLICKS are 35° TCA.														
								1658.0	65 brown vn																			
1660	10.4	1.8						0.2	75					75° TCA: adul? - clay - sulf veinlet w/ minor hydr bxa. Shearing incr. downhole.														
								1.6	45 sulf vnlt	2	2		1															
	104	18							80 FLT					Abrupt contact w/ argillized rock in hw, less altered volc bxa in fw. Flt in h.w.														
				Pale green volc bxa (f.g. matrix)	Pale green to yellowish green				60 jt.					1665-84': PALE greenish gray volc bxa w/ greenish gray clasts 2-20 mm (angular to rounded). Sulf is vfg. RQD is higher.														
1670	9.5	6.5							65 PFF					Rare clasts of porphyritic felsic rock that resembles BMB (1674').														
									70 s.j.																			
									70 s.j.					CALcareous, as above.	0	2	2				0		1	2	2			
														Could be an epiclastic unit?														
1680	8.0								55 s.j.					minor flt 98° TCA.														
									90 FLT																			
									25 s.j.																			
				white tuff + tuff bxa (altered)	Brown + white				15 ext. jt. w/clay		1			Brown (adul?) and white argillic bxa -- either flt or hyd bxa. Sheared w/ gouge. Laced w/ sulf vnlts and blebs. Vnlts are 1-3 cm long + wispy. Local black 1688.5-1695'.														
									75 FLT																			
1690	10.0	2.1			Local black			88.1		1			1		2	1					1?			2				
											2																	
									30 flt. plane																			
				volc bxa or rhyol. tuff	Greenish-gray					2	3		2	Sulfidic gouge bxa														
									20 cal vn + py					Late irregular cal. veinlets. w/ sulf (py?)														
1699.3									30					Planar. + sharp @ 99'														
1700																												

RECORDFIELD.DWG Revised 2/17/98

Newmont Gold Core Form

Hole# RS-422.1 **Logged by** R. Vance **Date** 5/1/98

Area Lucky Boy (Wedge Hole) **Coords**

Az/Incl **Total Depth** **Contractor**

Footage	% Rec	RQD	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Structure: Attitudes	fault	breccia	vein	gouge	Comments	Silic	argillic	clay	prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay
1700																											
	9.7	5.0		volcanic bxa or rhy. tuff bxa	Greenish-white, pale green, minor lt brownish-green. Local gray due to sulf				25 s.j. sulf-cal slicks 25TCA; 60 py; 45 s.j.					1695-1746.5': Light colored tuff, volc. bxa, or rhy tuff bxa. Strong alt. overprint and variable textures. Sulf on s.j., minor vnlts			1										
1709.4																											
1710	9.3	3.6				9.4			30 py-clay; 25 s.j.; 35 s.j.					White clay filling ext. joints													
						14.6		clay							1	2	2						2				
														1717.5' - white clay Pima sample.													
1719.5						19.5			5-10° hyd bxa; 15 s.j. w/ sulf.					Hydr bxa w/ black sulf. in matrix. 2-3 cm wide, ~ 5-10° TCA. Black sheared seam in H.W.			1								1		
1720	7.8	3.8				22.4				2	3		2	1722': Planar s.j. w/ dip slicks on sulfide-clay vnlt. Bxa in FW. to 1725.													
									10 sulf vnlt; 60 s.j.					py-mc-black sulfide - tr. in Q-ca vnlt													
1729.8																											
1730	7.8	3.9						py; cal; bxa	10 bxa w/ clay					Sheared bxa w/ clay on sharp jts.								?					
									70 s.j. w/ py; 75 sulf vnlt.					Calcite xtls/veinlets 45° TCA. 1734-1746.5 incr. brown adul? or hm? and disseminated py. Sulf vnlt 75° TCA								1						
1740	10.1	7.3							45 planar s.j.; 55 s.j.; 40 sulf. clay s.j.; 20 s.j.; 35								2			1							
	101													incr. gray vfg sulfide 1744.5 - black sulf. veinlet 6mm wide								2					
				rhy. tuff	dk gray, brownish gray, lt. green				40 py vnlt; smoky sulf.					MAJOR FAULT. Hundreds of feet of Argillized rock in HW; Green Lesser Altered f.g. tuff (?) in FW.								2	3	2			
1750	7.5	5.2						cal			1																
	95	52							25 calcite veinlet; 15 cal vnlt	2		1		Calcite-clay breccia 1748-1760'. Brownish-gray strongly altered tuff is brecciated, with calcite and clay in matrix. Minor sulfide veinlets, most sulf. is dissem in clasts or in gougy matrix. Little or no sulf. in calcite. Some bladed mc.	2	2	2					3						
					Gray and white			cal					0												1		
1760	9.6	1.0									3			Hydr Alt. dominant overprint at top of this interval, tectonic bxa, gouge and shearing incr. in FW. Calcite bxa looks fairly late.														
	96	10			dark greenish-gray to med-gray. Darker at 1778'				45 gouge seam																		
1770	10.4	0									3		2	Bxa loses cal. clay incr. then grades to gouge. Microbxa dominates 1765-1780'. Locally strong slfn.								1	3				
	104	0											3		1								2				
									55 Fault w/ slicks; dip-slip slicks 27					Slicks are mostly dip-slip, but can't measure. Black seams of sulfide 1-4mm wide. 1779.4' FW									3				
1780	10.3	6.4		lt. green vitroph tuff	med to dk greenish gray and gray-green				55 57; 50 Flt 25° TCA slicks; 55 s.j.; 60 s.j. w/ slicks					Exc. slicks show dip-slip motion on planar faults at 1781, 1782. dense v. hard less altered vitrophyric tuff, or could be slfd some? 55° s.j. w/ slicks 10° TCA Remnant Fresh textures? 60° s.j. w/ slicks 80° TCA (=strike slip)														
	103	64													1	2			?								
1790	9.7	7.3							50; 35; 55 slicks 35 TCA					50° s.j. w/ sulfide; slicks 30° TCA 35° s.j. w/ slicks 20° TCA 1791 - becomes mottled 55° curviplanar s.j.									3					
	97	73			pale to med. green									1793-1812 - v. small angular clasts in matrix are either xenoliths or broken phenos. Wispy sulfide locally becomes vnlts.														
									clay-sulf. 0														2				
1800																											

Alteration: Silic, argillic, clay, prop, Sericite, Chlorite. Met.: FEOX, CO3. Mineralogy: Sulfide, Pyrite, Marcasite, Calc/Dolo, Clay.

Newmont Gold Core Form

Hole# RS-422.1
Logged by R. Vance
Date 5/11/98
Area Lucky Boy (wedge hole)
Coords
Az/Incl
Total Depth
Contractor
Page 4 of

Footage	% Rec	RQD	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Attitudes	fault	breccia	vein	gouge	Comments	Silic	argillic	clay	prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay
1800				vitr. tuff (felsic)	Pale whitish green 4.1				50 ext jt; 35 s.j.; 35 s.j.; 60 sulf vnlt					Lt. green, whitish green and lt greenish gray vitrophyric tuff, continued. 35° s.j. has wh. clay w/ dom. dip slip slicks. 2nd 35° s.j. has slicks 5-10° TCA. Sulfide vnlt is sheared.		1	2						2				
	99	80							50 slicks 0° TCA s.j. w/ sulfide; 50 s.j. clay vnlt					1809': 2-4mm wide white clay vnlts 10° TCA								1					
1810														Another s.j. 35° TCA; slicks are strong, 0° TCA wispy sulfide veinlets @ 1812'.													
	100	72			Light whitish-green to pale green w/ tiny bluish gray sulfide spots.				45 slt. s.j. 0-10 TCA; wh. clay													1					
1820									43 s.j. w/ clay-sulf.; 25 clay-sulf. vnlt; do.; 65 sulf vnlt; 55 clay-mc					1826': white clay-sulf vnlt nearly 1 cm wide PIMA:													
	99	86												minor jt w/ white clay-mc-py.													
1830									20 ext jt.																		
	99	78			Lt. green to grayish-white				55 s.j.; 45 clay-sulf; 45 s.j.					Alteration contact.		2	3					2	2	1	2		
1840									20 Ext. jt. w/ sulf; 25 cal-sulf veins													1	1				
	103	67			Lt. green w/ some white clay and calcite veining									Cal vnlts are up to 2cm wide, w/ py-mc clay incr from 1844 to 1846'.	0							2	2	1	2		
1850									35 clay vnlt; 45 do; 80 do; 55 clay													1	1				
	100	38							55; 10; 10 sulf	1												0					
1860														white clay veinlet 0.6 cm. PIMA:	2												
														FAIR amount of white clay on s.j. and ext jts -- locally veinlets.													
t.s.	98	56		Finely lamin. vitric tuff	Lt. greenish gray				5 s.j. w/ clay; 30 s.j. w/ clay					Wispy, flow-laminated (?) vitric tuff w/ very fine laminations									2	2	1		
1870									55 bxa; 10 clay vnlt sulf.																		
	100	83			med. to dk gray									Heavy sulfide from 1872.8 – 1875.6'. Interval is dk gray to black.													
1880					Lt. green w/ mottled white patches, gray due to sulfides.																		1	1	?		
	94	49							50 planar flt					1cm slfd veinlet in FW, some microbxa. Rock contains coarser fragments clay, sulfide incr.													
											3																
1890	50	0			grayish green, due to sulfides				50 30 cal vnlt	2	2	2		1888-93: Several cal. vnlts w/ open vuggy spaces and euhedral terminated xtls. Substantial core loss. Tiny bladed mc @ 1993.2', parallel to veinlet. micro hydr bxa: 1885'-1895'.									2	2	1		
	6.2	1.2									3																
									30 s.j. Ext. jts					closely spaced shear jts w/ wh clay.													
1899.5				vitric tuff						1				FLT @ 1890 may have v. little displacement	1	2	2						1				
1900																											

Newmont Gold Core Form

Hole# RS-422.1
Logged by R. Vance
Date 5/14/98
Area Lucky Boy (wedge hole)
Coords
Az/Incl
Total Depth
Contractor
Page 5 of

Footage	% Rec	RQD	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Attitudes	fault	breccia	vein	gouge	Comments	Silic	argillic	clay	prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay
1900	10.3	5.2			grayish-green to greenish-gray, pale				50 s.j. 20; 45 s.j.; 35 s.j. 35; cal-sulf vein					20° sulf-silica microvnlt									1				
9.5																							2				
1910	9.9	8.5						clay	35 s.j. (strong)					HAirline sulf.-filled ext. frx.													
														joints have wh. clay w/ py-mc.	1	2	1						1			
									35 white clay in ext jt.					Nearly a clay rainlet.													
19.8									30 20					clay-sulfide filled jts (3-6 mm).													
1920	9.2	3.2			pale green				35 s.j. 30																		
									gouge s.j.					A23-26 dK color due to sulfides													
					med to dark gray				35 gouge	3	3		2	FAULT 1922-26'									2				
									20 20 sulf. sulf					Two sooty black sulf. microvnlts													
1930					med green									Fresh rock @ 1931' (may be weakly propylitized, but not argillized).									1				
				epiclastic tuff										Weakly porphyritic drab med to dK green tuff w/ epiclastic textures.	0	0	0	1								

RECORFIELD.DOC Revised 3/17/98

Logging Notes on RS-422.1 **R. B. Vance, 5/98**

1701 Slicks @ 15-35 TCA (curved). Strong on cal-py-sulf.

1700-1720': As typical, preferential replacement of clasts by vfg sulfide (>>py).

1780-1794: Series of planar s.j. w/ strong slicks, all but 1 are dip slip (1 s.s.)

Newmont Gold Core Form

Hole# RS-422.1 **Logged by** G. Langstaff **Date** 5/16/98

Area Lucky Boy **Coords**

Az/Incl **Total Depth** 2100' **Contractor**

Footage	% Rec	RQD	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Attitudes	fault	breccia	vein	gouge	Comments	Silic	argillic	clay	prop	Sericite	Chlorite		FeOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay	
1900														Lith: 1985.9-1990.6 fine-medium, moderately sorted, tuffaceous(?) sandstone, possibly with interbedded mudstone; rare local angular granules-pebbles (½") of volc.; too dark to see texture well but rare hints of bedding															
1910														Lith: 1990.6-1991.4 massive green rock with hint of sand grains or fine phenos; cut by crack(?) with sand from above															
														Lith: 1991.4-1992.4 medium, well(?)-sorted sandstone similar to 1985.9-1990.6; has dark and pale grains and possibly minor tuffaceous matrix															
1920														Lith: 1992.4-1994.5 massive dark green rock with intricately mottled texture (devitrification?)														
				breccia										see Randy's log above 1930'															
1930	15	30							50 jt					Alt: 1930-1934 weakening arg, rare green clay along fracts, py ± white clay veinlets at low angle to break	0	1		0	0	tr		0	1		tr				
	9.3	3.2	Chocolate?	sandstone	v. pale gray				10 chl+py 40														2						
	93%	32%				15	35.1		20-50 jt w/py					1934 Alt: 1934-1952.3 v. weak arg, local green clay in shale?, clasts or along fractures; rare calcite veins with py only at top, ± grey selvedges below 1937	tr										0				
									calc vn																				
									jt w/calc																				
							1938.8	85	60 grn clay 20 chl+calc																				
									calc, 45° slicks 0-35° slicks																				
1940	15	40							70 calc ± jt					Lith: 1929.8-1938.3, 1942.7-1946 fine-medium, moderately sorted, tuffaceous sandstone with minor mudstone beds and lenses; .7' at base has subrounded volcanic granules; sharp contact (joint?) with overlying breccia; lower contact not well exposed																
	9.8	5.8		vole. peb	dk. green, black				jt w/chl																				
							1942.8		65 calc																				
				sand-stone					25 slicks																				
	98%	58%							jt ± calc														3						
1946				conglomerate	pale grey w/local green, greenish grey		1946.4		80					Lith: 1938.3-1942.7 very poorly sorted, pebble conglomerate with mostly subrounded clasts of pale altered volc. in matrix phenos, black volc, sandstone(?); some clasts embayed																
									10 jts w/calc																				
									35 calc																				
									65 jt																				
1950	15	50							2-65 jt 35 pale vn														2						
	9.9	5.2		granule-peb																									
1952.6							1952.7							1952.3 Alt: 1952.3-1956.3, 1961.3-1962 weak pervasive green clay, possibly arg too rare calcite or green clay veins						1			3							
									jt w/chl																				
									30 slicks																				
				mudstone					jt w/calc																				
									jt w/grey clay																				
									calc vn																				
									3 therm fract.																				
1956.1	99%	52%			pale green, grey		1956.2		25 jts w/calc																				
									40																				
									90																				
									~60 slicks																				
									40 jts w/calc																				
									65 slicks 65																				
									45 jt w/calc																				
									40																				
									35 jt w/white clay																				
									20 calc																				
									20 jt in calc vn																				
									60 jt w/calc vn + white clay																				
									jt w/chl																				
whole rock + thin & section 1960	15	60																											
	9.8	5.4					1961.3								0					0		2	2						
					maroon									1961.3 Lith: 1946-1952.6 poorly sorted conglomerate with angular to subrounded granule to pebble size (to 1") volc. clasts - pale ± matrix phenos, dark clay lenses (vitric?) conspicuous subangular pale aphyric, rare dark feldspar-phyric; rarely embayed clasts																
					grn																								
							1962.2							1962						I		0							
					maroon									1964						0		2							
							1964.0								tr					tr		0	2 but < above						
	98%	54%			tan, pale grey-green																								
							1967.2																						
														1969 Alt: 1964-1985.9 bleaching suggests weak arg, local green clay in and around fractures; minor relict hematite at 1969-1978 but no red color elsewhere; rare calcite veins																
1970	19	70		bi(?)-hbl(?)-feldspar-phyric sill																			1						
	9.8	8.7					1971.9		40 jts																				
									95 calc vn																				
									25 jt w/calc vn																				
									55					Lith: 1952.6-1956.1 heterogeneous, fine to coarse, tuffaceous sandstone with numerous lenses of clay-altered mudstone in almost anastomosing fabric; coarser grains generally pale and subrounded																
	98%	87%			pale red w/local green		1976.4		75 jt w/calc																				
									20° slicks																				
									60 jt																				
1980	19	80																					0						
	10.0	8.6					1981.2		95 jt w/calc																				
									90 jt w/calc																				
									95 calc vn																				
whole rock + thin & section 1989	100%	86%					1985.9		90 jt w/20° slicks																				
									50																				
									70					1985.9 Alt: 1985.9-1990.6 no bleaching, variable hematite staining; possibly trace green clay in fractures v. rare calcite veins	0					0		2							
				sandstone (v.e. granules)	dark red				65 jts w/ 20° slicks																				
									60 calc 30																				
									65 jt w/chl																				
1990	19	90					1990.7		45 jt w/calc, hem					1990.6															
									10° slicks																				
									55 jt w/calc, chl					Lith: 1956.1-1985.9 variably altered but relatively homogeneous aphanitic rock with ~20% euhedral, white feldspar phenos up to .1" and ~5% subhedral-euhedral hornblende and biotite(?) phenos (most visible in altered rock) much smaller than feldspar; intrusive lower contact with interdigitations and oddly textured chilled (?) zone 2-3" thick with finer feldspar; not magnetic						1		tr							
1990.6	7.0	6.7							20° slicks																				
1991.4				block?					big block?																				
1992.4	93%	89%		sdst																									
1994.5				block?																									
	19	97.5					1996.5		55 jt w/calc hem																				
				block breccia	grey and dark green w/traces red				60°																				
2000																													

Newmont Gold Core Form

Hole# RS-422.1 **Area** Lucky Boy **Az/Incl** _____ **Total Depth** 2100'
Logged by G. Langstaff **Coords** _____ **Contractor** _____
Date 5/16/98

Footage	% Rec	RQD	Formation	Rock type	Color	Au oz/st	Ag oz/st	Graphic	Attitudes	fault	breccia	vein	gouge	Comments	Silic	argillic	clay	prop	Sericite	Chlorite	FEOX	CO3	Sulfide	Pyrite	Marcasite	Calc/Dolo	Clay
2000	10.2	9.0	Chocolate?	block bx	green & grey		2002.3		60 jts w/calc; 60 calc					Alt: 1990.6 – 2002.3	0	0		0	0	1	tr	2		0			
2002	100%	88%		conglomerate sandstone	dark red				30 jt w/chl, calc; 70° slicks; 20 calc vn					2002.3 no bleaching but variable shades of green; rare local hematite; v. rare calcite veins						tr	3						
thin sections	20	07.7					2008.6		45 jt w/hem					Alt: 2002.3 – 2008.7, 2014.3 – 2017.5 strong hematite staining; rare greenish and black chlorite(?) in fractures													
2008.7	10.0	6.3							65 jt					2008.7 Lith: 1994.5 – 2002.0 breccia of angular blocks of vitric tuff(?) (see below) supported by sandy matrix; not jigsaw fit; blocks						1	tr						
2010	99%	62%		block breccia	dark green & grey		2014.4		30 calc vns; 45					Lith: 2002.0 – 2008.7 fine-coarse, moderately sorted, conglomeratic sandstone with rare angular volcanic granules and pebbles (some green); massive? top block to see texture; possibly tuffaceous													
2014.2				sandstone	dark red				75 jt w/hem, chl?; 0° slicks; 30 jts w/calc; black chl, 0° sense					2014.3 Lith: 2014.2 – 2017.6 coarse sandstone and mudstone, possibly with complex interdigitation; rare very coarse sand and granules						tr	3						
2017.6	20	17.8					2017.3		70 jt					2017.5 Lith: 2017.6 – 2100 crystal-vitric ash tuff?; brecciated above 2027.2 but without sandy matrix and <20% matrix; minor brecciation or fracturing below; otherwise massive; rare black, irregular shards <1mm (more common below 2055'); local hints of v. fine white feldspar crystal fragments (or is this due to alteration/devitr.?); very rare vitric(?) lapilli (locally replaced by opal?); not magnetic													
2020	9.0	7.0		crypt(?)-vitric ash tuff	medium and dark grey		2023.2							Alt: 2017.5 – 2049.8 negligible bleaching but local green tints and rare fractures with green clay; no hematite; minor calcite veins								0					
	88%	69%												Lith: 2008.7 – 2014.2 clast-supported(?), very poorly sorted breccia with angular pebbles-blocks of vitric tuff(?) in coarse sandy matrix													
	20	28.0					2028.7							Lith: 2014.2 – 2017.6 coarse sandstone and mudstone, possibly with complex interdigitation; rare very coarse sand and granules													
2030	10.1	8.1							62 jt w/calc; white clay?					Lith: 2017.6 – 2100 crystal-vitric ash tuff?; brecciated above 2027.2 but without sandy matrix and <20% matrix; minor brecciation or fracturing below; otherwise massive; rare black, irregular shards <1mm (more common below 2055'); local hints of v. fine white feldspar crystal fragments (or is this due to alteration/devitr.?); very rare vitric(?) lapilli (locally replaced by opal?); not magnetic													
	106%	85%					2033.9		40 jt w/calc; 40° slicks																		
	20	37.5							50 jt w/calc; 20° slicks																		
	10.2	9.5					2039.0		50 jt w/calc; clay?, 0° slicks																		
2040	102%	95%					2043.9		20 calc vn													2 but > above					
	20	47.5							20 calc+hem vn; 20 calc vn																		
	9.7	7.2					2049.0		20-30 calc+hem vn; 60 calc+hem vns					2049.8 Alt: 2049.8 – 2061.2 weak arg alteration at 2051.9 – 2055.2 with broad gradational contacts against unaltered rock; slight green tint could indicate some green clay but none in veins; minor calcite veins – some with more at 2054, some with mal hematite (2051); one quartz-pyrite vein (2052.5)													
2050					medgrn grey		2052.2		30 qtz+py+calc vn; 45 calc+marc+white clay?						tr							2 but < above					
altered w/calc, more anc	97%	72%			pale grey		2054.6		50 calc vn, jt						1												
	20	57.5													tr							hi 2					
	9.9	9.3			med. green-grey		2058.4		50 jt w/calc; 20° slicks																		
2060	99%	93%			dark to medium greenish grey		2063.6		40 calc+py+clay? vn; 45 jt w/calc, chl?; 20°, 55° slicks					2061.2 Alt: 2061.2 – 2088.4, 2090.3 – 2091.4, 2095.8 – 2097 not bleached but greenish tint suggests some green clay (or possibly due to devitrification); rare greenish-black chlorite(?) in fractures; minor calcite veins generally at moderate angle to core axis, cut rare calcite+hematite veins at lower angle to core axis	0					tr?								
	20	67.5					2067.5		60 jt w/calc; 10° slicks																		
less altered 2070	7.1	6.5							55 jt																		
	101%	93%					2071.8		65 jt w/calc																		
	20	74.5							30 jt w/calc; 15° slicks; 35 calc vn																		
	1.6 107%	1.6 107%																									
	20	76					2076.6		80 jts; 65																		
	4.1 103%	3.8 95%												N.B. size and abundance of black shards? increase downward													
	20	80																									
2080	9.7	8.8					2081.4		<10 calc+hem vn																		
	97%	88%					2086.6															hi to lo 2					
					dark grey				60 jt w/calc					2088.4 Alt: 2088.4 – 2090.3, 2091.4 – 2095.8, 2097 – 2100 dark grey essentially unaltered rock; rare calcite or calcite+hematite veins						0								
2090	20	90																									
	9.8	9.8			dkgrn-grey		2091.7													tr							
least altered?					dark grey		2094.4		65 jt w/calc											0							
	98%	98%												2095.8													
					grn-grey									2097.0						tr							
					dark grey				75 jts w/calc; 65											0							
2100	21	00					2100.0																				

T.D. 2100

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048301

American Assay Laboratories

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

NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW

: R. VANCE

:

:

CLIENT REFERENCE No: RS-422

No. SAMPLES : 16

MAIN SAMPLE TYPE : DRILL CORE

RECEIVED : 16 MAR 1998

REPORTED : 30 MAR 1998

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 : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048301

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 30 MAR 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 1130-1133	50		0.001		41.0	1.20
RS-422 1133-1136	100	90	0.003	0.003	96.0	2.80
RS-422 1136-1139	83		0.002		56.4	1.65
RS-422 1139-1143	62		0.002		2.4	0.07
RS-422 1143-1147	174		0.005		72.0	2.10
RS-422 1147-1151	112	114	0.003	0.003	101.3	2.95
RS-422 1151-1155	79		0.002		62.8	1.83
RS-422 1155-1159	51		0.001		9.8	0.29
RS-422 1159-1163	36		0.001		2.0	0.06
RS-422 1163-1167	42		0.001		1.4	0.04
RS-422 1167-1171	45		0.001		2.0	0.06
RS-422 1171-1175	<5		<0.001		<0.5	<0.02
RS-422 1175-1180	<5		<0.001		<0.5	<0.02
RS-422 1180-1185	18		<0.001		1.2	0.04
RS-422 1185-1188	62		0.002		27.0	0.79
RS-422 1188-1192	27		<0.001		0.8	0.02

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
1500 GLENDALE AVE.
SPARKS, NV 89431

(702) 356-0606

INVOICE NO: SP 0048301-IN
INVOICE DATE: 03/31/98

INVOICE TO:
NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

CUSTOMER P.O.	PROJECT	TERMS
RS-422	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
16	SAMPLES RECEIVED	.00	.00
16	JAW CRUSHING CHARGE	1.30	20.80
16	SPLITTING CHARGE	1.20	19.20
16	FINE MILLING CHARGE	2.00	32.00
16	Au (1 A.T. FIRE ASSAY)	8.00	128.00
16	HYDROCHLORIC/NITRIC DIGESTION	2.00	32.00
16	Ag ANALYSES	1.00	16.00
5	Ag (ore grade) ANALYSES	5.00	25.00
16	MULTI-ELEMENT ICP PACKAGE	9.80	156.80
16	Se ANALYSES	7.15	114.40

NET INVOICE:	544.20
LESS DISCOUNT:	190.47
FREIGHT:	.00
INVOICE TOTAL:	353.73

COPY

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048323

American Assay Laboratories

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

NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW

: R. VANCE

:

:

CLIENT REFERENCE No: RS-422 RECEIVED : 19 MAR 1998

No. SAMPLES : 18 REPORTED : 19 MAR 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	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 : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048323

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 19 MAR 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 1192-1197	60		0.002		1.7	0.05
RS-422 1197-1202	60	58	0.002	0.002	1.7	0.05
RS-422 1202-1207	35	40	0.001	0.001	1.6	0.05
RS-422 1207-1212	36		0.001		1.4	0.04
RS-422 1212.0-1214.1	60	60	0.002	0.002	2.4	0.07
RS-422 1214.1-1219	18		<0.001		0.6	<0.02
RS-422 1219-1224	35		0.001		1.5	0.04
RS-422 1224-1229	38		0.001		1.4	0.04
RS-422 1229-1234	33		<0.001		1.0	0.03
RS-422 1234-1237	76		0.002		2.7	0.08
RS-422 1237-1239	121		0.004		3.4	0.10
RS-422 1239-1244	68		0.002		2.7	0.08
RS-422 1244-1248	36		0.001		2.0	0.06
RS-422 1248-1251	84		0.002		11.7	0.34
RS-422 1251-1256	28		<0.001		1.7	0.05
RS-422 1256-1261	36		0.001		2.4	0.07
RS-422 1261-1266	50		0.001		2.7	0.08
RS-422 1266-1271	33		<0.001		3.4	0.10

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	2	0.01	0.2	1	1	1	0.01	5	0.01	1	0.01	2	1	0.01	1	0.001	3	2	0.2	1	2	0.01	5	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

CLIENT: *NEWMONT GOLD COMPANY*
CLIENT REF: ROSEBUD EXPLORATION
AAL REF: SP048323
METHOD: AAL 01-2 + Se

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
RS-422 1192-1212	1.1	0.68	16	< 3	51	7	0.18	0.5	1	5	6	2.25	440	0.36	26	0.01	1055	1	0.01	3	0.023	15	17	2.3	10	9	< .01	< 8	2	< 2	186
RS-422 1212-1229	1	0.6	16	< 3	60	< 3	0.16	< .2	1	3	5	1.88	110	0.32	23	0.01	348	1	0.01	1	0.019	16	13	2.6	11	8	< .01	< 8	2	< 2	76
RS-422 1229-1244	1.7	0.64	30	< 3	51	3	0.16	0.3	1	5	6	2.14	245	0.34	21	0.01	298	1	0.01	1	0.018	19	17	4	11	7	< .01	< 8	1	< 2	87
RS-422 1244-1261	4.6	0.68	29	< 3	50	< 3	0.34	0.4	1	4	6	1.83	180	0.36	25	0.02	302	1	0.01	1	0.022	17	13	3.2	17	7	< .01	< 8	1	< 2	79
RS-422 1261-1271	2.5	0.59	37	< 3	47	< 3	0.17	0.2	1	4	6	2.29	145	0.35	28	0.01	70	1	0.01	3	0.022	16	14	2.4	12	9	< .01	< 8	1	< 2	75
STANDARD C3	6	1.92	57	16	156	26	0.58	23.2	12	162	61	3.27	950	0.17	18	0.59	766	26	0.05	35	0.088	30	17	1	30	18	0.1	16	79	21	170

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
1500 GLENDALE AVE.
SPARKS, NV 89431

(702) 356-0606

INVOICE NO: SP 0048323-IN
INVOICE DATE: 04/07/98

INVOICE TO:
NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

CUSTOMER P.O.	PROJECT	TERMS
RS-422 Core	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
18	SAMPLES RECEIVED	.00	.00
18	JAW CRUSHING CHARGE	1.30	23.40
18	SPLITTING CHARGE	1.20	21.60
18	FINE MILLING CHARGE	2.00	36.00
18	Au (1 A.T. FIRE ASSAY)	8.00	144.00
18	HYDROCHLORIC/NITRIC DIGESTION	2.00	36.00
18	Ag ANALYSES	1.00	18.00
18	COMPOSITE CHARGE	1.00	18.00
5	MULTI-ELEMENT ICP PACKAGE	9.80	49.00
5	Se ANALYSES	7.15	35.75

NET INVOICE:	381.75
LESS DISCOUNT:	133.61
FREIGHT:	.00
INVOICE TOTAL	248.14

COPY

AMERICAN ASSAY LABORATORIES
ANALYSIS REPORT SP048411

American Assay Laboratories

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

NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW
: R. VANCE
:
:

CLIENT REFERENCE No: RS-422
No. SAMPLES : 25
MAIN SAMPLE TYPE : DRILL CORE

RECEIVED : 1 APR 1998
REPORTED : 1 APR 1998

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 : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048411

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 1 APR 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 1271-1276	37		0.001		2.1	0.06
RS-422 1276-1280	34		<0.001		1.2	0.04
RS-422 1280-1284	36		0.001		1.9	0.06
RS-422 1284.0-1287.9	42		0.001		1.2	0.04
RS-422 1287.9-1289.2	18		<0.001		1.8	0.05
RS-422 1289.2-1293.0	46		0.001		0.5	<0.02
RS-422 1293-1299	15		<0.001		<0.5	<0.02
RS-422 1299-1305	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 1305-1309	97		0.003		2.8	0.08
RS-422 1309-1313	90		0.003		3.5	0.10
RS-422 1313-1318	165		0.005		2.0	0.06
RS-422 1318-1323	11		<0.001		<0.5	<0.02
RS-422 1323-1328	<5		<0.001		<0.5	<0.02
RS-422 1328-1333	<5		<0.001		<0.5	<0.02
RS-422 1333-1338	<5	<5	<0.001	<0.001	<0.5	<0.02
RS-422 1338-1343	20		<0.001		1.1	0.03
RS-422 1343.0-1346.5	13		<0.001		0.6	<0.02
RS-422 1346.5-1350.0	32		<0.001		1.6	0.05
RS-422 1350-1355	<5		<0.001		<0.5	<0.02
RS-422 1355-1360	19		<0.001		0.7	0.02
RS-422 1360-1365	6		<0.001		<0.5	<0.02
RS-422 1365-1370	16		<0.001		<0.5	<0.02
RS-422 1370-1375	<5		<0.001		<0.5	<0.02
RS-422 1375-1380	<5		<0.001		<0.5	<0.02
RS-422 1380-1385	<5		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	2	0.01	0.2	1	1	1	0.01	5	0.01	1	0.01	2	1	0.01	1	0.001	3	2	0.2	1	2	0.01	5	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

CLIENT: *NEWMONT GOLD COMPANY*
CLIENT REF: ROSEBUD EXPLORATION
AAL REF: SP048411
METHOD: AAL 01-2 + Se

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
RS-422 1271.0-1287.9	1.5	0.38	26	< 3	39	< 3	0.31	0.2	2	4	8	3.31	165	0.21	32	0.01	146	1	0.01	3	0.025	27	13	3	19	9	< .01	< 8	1	< 2	94
RS-422 1287.9-1305.0	0.6	0.54	13	< 3	11	< 3	0.66	0.5	1	2	5	1.92	170	0.25	16	0.02	355	1	0.01	3	0.012	28	7	2.8	32	4	< .01	< 8	1	< 2	90
RS-422 1305-1323	2	0.37	113	< 3	38	< 3	3	0.4	1	2	5	1.54	120	0.23	16	0.03	680	2	0.01	2	0.015	19	13	8.2	100	5	< .01	< 8	1	< 2	65
RS-422 1323-1343	0.4	0.66	11	< 3	29	< 3	2.03	0.6	1	2	4	1.58	70	0.3	22	0.04	714	1	0.01	2	0.02	24	7	1	72	6	< .01	< 8	2	< 2	65
RS-422 1343-1360	0.6	0.66	34	< 3	21	< 3	0.66	0.7	1	2	6	2.03	1060	0.25	21	0.04	287	3	0.01	2	0.019	22	6	3.3	34	6	< .01	< 8	2	< 2	108
RS-422 1360-1385	< .3	0.56	7	< 3	28	< 3	1.08	0.2	1	2	5	1.55	825	0.28	24	0.03	314	1	0.01	1	0.021	28	5	0.5	50	6	< .01	< 8	2	< 2	80

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
1500 GLENDALE AVE.
SPARKS, NV 89431

(702) 356-0606

INVOICE NO: SP 0048411-IN
INVOICE DATE: 04/16/98

INVOICE TO:
NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

CUSTOMER P.O.	PROJECT	TERMS
RS-422 Core	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
25	SAMPLES RECEIVED	.00	.00
25	JAW CRUSHING CHARGE	1.30	32.50
25	SPLITTING CHARGE	1.20	30.00
25	FINE MILLING CHARGE	2.00	50.00
25	Au (1 A.T. FIRE ASSAY)	8.00	200.00
25	HYDROCHLORIC/NITRIC DIGESTION	2.00	50.00
25	Ag ANALYSES	1.00	25.00
25	COMPOSITE CHARGE	1.00	25.00
6	MULTI-ELEMENT ICP PACKAGE	9.80	58.80
6	Se ANALYSES	7.15	42.90

$334.23

COPY

NET INVOICE:	514.20
LESS DISCOUNT:	179.97
FREIGHT:	.00
INVOICE TOTAL:	334.23

xAMERICAN ASSAY LABORATORIES
ANALYSIS REPORT SP048537

American Assay Laboratories

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

NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW
: R. VANCE
:
:

CLIENT REFERENCE No: RS-422 RECEIVED : 15 APR 1998
No. SAMPLES : 19 REPORTED : 15 APR 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	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 : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048537

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 15 APR 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 1385-1390	9		<0.001		<0.5	<0.02
RS-422 1390-1395	5		<0.001		<0.5	<0.02
RS-422 1395-1400	12		<0.001		0.5	<0.02
RS-422 1400-1405	23		<0.001		0.9	0.03
RS-422 1405-1410	38		0.001		1.4	0.04
RS-422 1410-1415	79	75	0.002	0.002	2.5	0.07
RS-422 1415-1420	14		<0.001		1.2	0.04
RS-422 1415-1420B	128		0.004		<0.5	<0.02
RS-422 1420-1425	22		<0.001		0.6	<0.02
RS-422 1425-1430	12		<0.001		<0.5	<0.02
RS-422 1430-1435	13		<0.001		0.6	<0.02
RS-422 1435-1440	134	130	0.004	0.004	16.1	0.47
RS-422 1440-1444	61		0.002		2.7	0.08
RS-422 1444-1447	163		0.005		3.3	0.10
RS-422 1447-1450	224	242	0.007	0.007	21.5	0.63
RS-422 1450-1455	57		0.002		2.4	0.07
RS-422 1455-1460	37		0.001		2.2	0.06
RS-422 1460-1465	11		<0.001		<0.5	<0.02
RS-422 1465-1470	9		<0.001		<0.5	<0.02

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	2	0.01	0.2	1	1	1	0.01	5	0.01	1	0.01	2	1	0.01	1	0.001	3	2	0.2	1	2	0.01	5	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

CLIENT:	*NEWMONT GOLD COMPANY*
CLIENT REF:	ROSEBUD EXPLORATION
AAL REF:	SP048537
METHOD:	AAL 01-2 + Se

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RS-422 1385-1405	0.5	1.16	13	< 3	91	< 3	1.6	0.3	1	1	5	2.03	310	0.44	24	0.08	641	3	0.01	< 1	0.018	33	10	1.5	63	4	< .01	< 8	2	< 2	87
RS-422 1405-1425	1.2	1.03	33	< 3	27	< 3	0.33	0.3	1	2	5	1.6	390	0.46	22	0.03	73	2	0.01	1	0.018	27	13	5.2	32	6	< .01	< 8	1	< 2	91
RS-422 1425-1444	2.2	0.7	66	< 3	46	3	0.71	0.3	1	1	6	1.65	280	0.35	20	0.02	243	3	0.01	1	0.019	28	13	7.1	34	5	< .01	< 8	1	< 2	91
RS-422 1444-1460	7.4	0.56	165	< 3	52	< 3	0.93	0.2	1	2	8	1.81	185	0.31	18	0.02	357	4	0.01	1	0.017	26	17	13.3	43	4	< .01	< 8	1	< 2	84
RS-422 1460-1470	0.3	0.82	7	< 3	75	< 3	1.56	0.2	1	5	11	1.88	25	0.48	22	0.03	611	8	0.01	3	0.016	22	6	1.1	67	5	< .01	< 8	2	< 2	79

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
1500 GLENDALE AVE.
SPARKS, NV 89431

(702) 356-0606

INVOICE NO: SP 0048537-IN
INVOICE DATE: 04/29/98

INVOICE TO:
NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

CUSTOMER P.O.	PROJECT	TERMS
RS-422	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
19	SAMPLES RECEIVED	.00	.00
18	JAW CRUSHING CHARGE	1.30	23.40
18	SPLITTING CHARGE	1.20	21.60
18	FINE MILLING CHARGE	2.00	36.00
19	Au (1 A.T. FIRE ASSAY)	8.00	152.00
19	HYDROCHLORIC/NITRIC DIGESTION	2.00	38.00
19	Ag ANALYSES	1.00	19.00
18	COMPOSITE CHARGE	1.00	18.00
5	MULTI-ELEMENT ICP PACKAGE	9.80	49.00

COPY

NET INVOICE:	357.00
LESS DISCOUNT:	124.95
FREIGHT:	.00
INVOICE TOTAL:	232.05

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048713

American Assay Laboratories

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

NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW

: R. VANCE

:

:

CLIENT REFERENCE No: RS-422 RECEIVED : 30 APR 1998

No. SAMPLES : 12 REPORTED : 30 APR 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	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 : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP048713

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 30 APR 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 1470-1475	97		0.003		4.4	0.13
RS-422 1475-1480	150		0.004		8.9	0.26
RS-422 1480-1485	85		0.002		2.4	0.07
RS-422 1485-1490	19		<0.001		0.8	0.02
RS-422 1490-1495	14		<0.001		0.7	0.02
RS-422 1495-1500	18		<0.001		<0.5	<0.02
RS-422 1500-1505	<5		<0.001		<0.5	<0.02
RS-422 1505-1510	33		<0.001		1.0	0.03
RS-422 1510-1515	64	60	0.002	0.002	2.1	0.06
RS-422 1515.0-1516.5	46		0.001		2.4	0.07
RS-422 1516.5-1518.5	78		0.002		25.1	0.73
RS-422 1518.5-1520.0	237	274	0.007	0.008	3.7	0.11

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	2	0.01	0.2	1	1	1	0.01	5	0.01	1	0.01	2	1	0.01	1	0.001	3	2	0.2	1	2	0.01	5	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

CLIENT:	***NEWMONT GOLD COMPANY***
CLIENT REF:	**ROSEBUD EXPLORATION**
AAL REF:	**SP048713**
METHOD:	**AAL 01-2 + Se**

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RS-422 1470-1490	2.6	0.52	68	< 3	50	< 3	1.2	0.6	1	4	8	2	80	0.36	17	0.02	420	5	0.01	2	0.019	25	8	10.2	63	6	< .01	< 8	1	< 2	66
RS-422 1490-1510	0.5	0.79	20	< 3	115	< 3	2.58	0.7	1	2	5	1.53	200	0.36	10	0.05	908	2	0.01	1	0.017	31	5	1.8	101	4	< .01	< 8	1	< 2	90
RS-422 1510-1520	5.5	0.54	200	< 3	67	< 3	0.81	0.3	1	2	5	1.41	235	0.26	14	0.02	231	5	0.01	1	0.015	24	12	12.8	59	4	< .01	< 8	< 1	< 2	75

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
1500 GLENDALE AVE.
SPARKS, NV 89431

(702) 356-0606

INVOICE NO: SP 0048713-IN
INVOICE DATE: 05/13/98

INVOICE TO:
NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

CUSTOMER P.O.	PROJECT	TERMS
RS-422	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
12	SAMPLES RECEIVED	.00	.00
12	JAW CRUSHING CHARGE	1.30	15.60
12	SPLITTING CHARGE	1.20	14.40
12	FINE MILLING CHARGE	2.00	24.00
12	Au (1 A.T. FIRE ASSAY)	8.00	96.00
12	HYDROCHLORIC/NITRIC DIGESTION	2.00	24.00
12	Ag ANALYSES	1.00	12.00
12	COMPOSITE CHARGE	1.00	12.00
3	MULTI-ELEMENT ICP PACKAGE	9.80	29.40
3	Se ANALYSES	7.15	21.45

NET INVOICE:	248.85
LESS DISCOUNT:	87.10
FREIGHT:	.00
INVOICE TOTAL:	161.75

COPY

xAMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP049020

American Assay Laboratories

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

NEWMONT GOLD COMPANY

COPIES TO : C. BALLEW

: R. VANCE

:

:

CLIENT REFERENCE No: RS-422 RECEIVED : 1 JUN 1998

No. SAMPLES : 46 REPORTED : 1 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	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 : Susan King M.S.

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP049020

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 1 JUN 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 2087-2092	<5		<0.001		<0.5	<0.02
RS-422 2096.7-2101.9	<5		<0.001		<0.5	<0.02
RS-422 2111.9-2116.8	<5		<0.001		<0.5	<0.02
RS-422 2131.7-2137.1	<5		<0.001		<0.5	<0.02
RS-422 2142.0-2146.4	<5		<0.001		<0.5	<0.02
RS-422 2159.4-2164.9	<5		<0.001		<0.5	<0.02
RS-422 2175.6-2180.0	12		<0.001		<0.5	<0.02
RS-422 2184.9-2190.0	<5		<0.001		<0.5	<0.02
RS-422 2190.0-2194.4	<5		<0.001		<0.5	<0.02
RS-422 2194.4-2197.3	<5		<0.001		<0.5	<0.02
RS-422 2197.3-2201.2	36		0.001		1.4	0.04
RS-422 2201.2-2203.0	276		0.008		3.3	0.10
RS-422 2203.0-2207.6	100	96	0.003	0.003	2.1	0.06
RS-422 2207.6-2209.2	44		0.001		2.3	0.07
RS-422 2209.2-2213.2	118	88	0.003	0.003	2.7	0.08
RS-422 2213.2-2217.4	5		<0.001		<0.5	<0.02
RS-422 2217.4-2222.7	<5		<0.001		<0.5	<0.02
RS-422 2222.7-2226.7	<5		<0.001		<0.5	<0.02
RS-422 2226.7-2231.9	<5		<0.001		<0.5	<0.02
RS-422 2231.9-2237.5	216		0.006		1.0	0.03
RS-422 2237.5-2242.9	20		<0.001		0.7	0.02
RS-422 2242.9-2246.7	<5		<0.001		0.6	<0.02
RS-422 2246.7-2251.0	<5		<0.001		<0.5	<0.02
RS-422 2251.0-2256.3	<5		<0.001		<0.5	<0.02
RS-422 2251.0-2256.3B	1034	1058	0.030	0.031	0.6	<0.02

AMERICAN ASSAY LABORATORIES

ANALYSIS REPORT SP049020

American Assay Laboratories

CLIENT : NEWMONT GOLD COMPANY
PROJECT : ROSEBUD
REFERENCE : RS-422

REPORTED : 1 JUN 1998

SAMPLES	Au FA30 ppb	Au(R) FA30 ppb	Au(OZ) FA30 OPT	Au(RZ) FA30 OPT	Ag D210 ppm	Ag(OZ) D210 OPT
RS-422 2256.3-2261.5	20		<0.001		2.1	0.06
RS-422 2261.5-2265.2	8		<0.001		0.5	<0.02
RS-422 2265.2-2270.5	<5		<0.001		<0.5	<0.02
RS-422 2270.5-2275.5	<5		<0.001		1.7	0.05
RS-422 2275.5-2280.4	16		<0.001		<0.5	<0.02
RS-422 2280.4-2285.2	<5		<0.001		<0.5	<0.02
RS-422 2285.2-2290.0	5		<0.001		0.8	0.02
RS-422 2290.0-2294.9	10		<0.001		<0.5	<0.02
RS-422 2294.9-2299.7	<5		<0.001		<0.5	<0.02
RS-422 2299.7-2302.0	22	26	<0.001	<0.001	1.9	0.06
RS-422 2302.0-2306.1	16		<0.001		1.1	0.03
RS-422 2306.1-2313.3	8		<0.001		0.9	0.03
RS-422 2313.3-2317.4	<5		<0.001		<0.5	<0.02
RS-422 2317.4-2321.7	<5		<0.001		<0.5	<0.02
RS-422 2321.7-2326.1	<5		<0.001		<0.5	<0.02
RS-422 2326.1-2330.8	<5		<0.001		<0.5	<0.02
RS-422 2330.8-2332.0	<5		<0.001		<0.5	<0.02
RS-422 2344-2349	<5		<0.001		<0.5	<0.02
RS-422 2354.9-2360.0	<5		<0.001		<0.5	<0.02
RS-422 2370.0-2375.2	<5		<0.001		0.8	0.02
RS-422 2375.2-2380.0	<5		<0.001		0.5	<0.02

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	2	0.01	0.2	1	1	1	0.01	5	0.01	1	0.01	2	1	0.01	1	0.001	3	2	0.2	1	2	0.01	5	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

CLIENT:	*NEWMONT GOLD COMPANY*
CLIENT REF:	ROSEBUD EXPLORATION
AAL REF:	SP049020
METHOD:	AAL 01-2 + Se

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RS-422 2087-2092	< .3	1.85	6	< 3	71	3	2.62	0.9	26	109	33	3.94	65	0.21	18	0.77	737	1	0.1	111	0.112	15	< 3	0.1	180	2	< .01	< 8	64	< 2	68
RS-422 2096.7-2101.9	0.3	1.78	3	< 3	93	7	2.97	0.7	20	154	34	3.42	40	0.18	19	1.01	698	< 1	0.1	97	0.116	15	3	0.1	219	2	< .01	< 8	61	< 2	73
RS-422 2111.9-2116.8	0.3	2.05	2	< 3	142	5	2.35	0.5	18	178	32	3.5	10	0.11	14	1.83	508	1	0.14	84	0.099	12	< 3	< .1	220	< 2	0.02	< 8	78	< 2	61
RS-422 2131.7-2137.1	< .3	2.08	< 2	< 3	181	< 3	2.63	0.8	16	170	30	3.4	< 10	0.15	18	1.73	506	< 1	0.1	88	0.107	11	< 3	< .1	270	< 2	0.01	< 8	62	< 2	72
RS-422 2142.0-2146.4	< .3	2.06	4	< 3	178	< 3	2.61	0.9	23	187	33	4.01	10	0.13	16	1.69	879	1	0.1	111	0.109	9	< 3	< .1	276	< 2	0.02	< 8	75	< 2	67
RS-422 2159.4-2164.9	< .3	1.85	2	< 3	317	< 3	2.8	0.9	20	150	33	3.69	< 10	0.17	17	1.4	592	1	0.1	97	0.106	8	< 3	< .1	245	< 2	0.02	< 8	74	< 2	69
RS-422 2175.6-2190.0	< .3	1.5	2	< 3	218	< 3	2.09	0.2	18	93	32	3.02	20	0.24	15	0.87	802	< 1	0.06	76	0.106	17	< 3	< .1	139	2	< .01	< 8	37	< 2	66
RS-422 2190.0-2197.3	0.3	1.87	11	< 3	65	5	1.91	0.3	20	135	35	3.18	30	0.2	16	1.49	389	1	0.08	87	0.106	13	< 3	0.1	166	2	< .01	< 8	45	< 2	74
RS-422 2197.3-2203.0	2	1.82	93	< 3	73	3	0.72	0.6	22	107	34	3.35	30	0.28	12	1.28	239	13	0.08	97	0.098	15	3	10.6	109	2	< .01	8	34	< 2	62
RS-422 2207.6-2213.2	2.2	1.86	79	< 3	61	< 3	1.44	0.6	20	122	36	3.69	30	0.24	11	1.47	381	4	0.09	92	0.097	19	5	10.1	147	< 2	< .01	< 8	48	< 2	73
RS-422 2213.2-2231.9	0.3	2.06	8	< 3	130	6	2.45	0.6	16	143	37	3.19	15	0.22	16	1.76	634	< 1	0.09	86	0.103	21	< 3	0.5	256	2	< .01	< 8	54	< 2	69
RS-422 2231.9-2251.0	0.7	2.2	16	< 3	506	3	1.97	0.5	18	151	31	3.25	< 10	0.21	13	1.98	475	< 1	0.1	82	0.101	9	4	3	214	< 2	< .01	< 8	61	< 2	70
RS-422 2251.0-2256.3	< .3	2.39	5	< 3	132	< 3	3.31	0.5	19	162	32	3.64	< 10	0.21	17	2.07	610	< 1	0.11	98	0.111	19	4	0.2	392	2	< .01	8	66	< 2	71
RS-422 2256.3-2280.4	0.8	2.07	12	< 3	172	5	3.15	0.3	18	132	32	3.09	15	0.22	15	1.96	632	< 1	0.09	88	0.103	19	< 3	1.1	235	2	< .01	< 8	43	< 2	70
RS-422 2280.4-2299.7	0.5	2.19	7	< 3	808	< 3	3.26	0.4	19	140	30	3.22	10	0.2	15	2.09	676	< 1	0.1	88	0.097	16	< 3	0.8	314	2	< .01	< 8	51	< 2	67
RS-422 2299.7-2302.0	1.7	2.04	54	< 3	332	8	4.16	0.6	19	148	31	3.37	30	0.22	13	1.86	722	1	0.1	90	0.097	19	5	11.3	293	2	< .01	< 8	48	< 2	71
RS-422 2302.0-2321.7	0.6	2.19	16	< 3	238	< 3	2.63	0.3	18	161	32	3.14	25	0.21	13	2.03	504	< 1	0.1	82	0.099	17	< 3	2.3	279	< 2	< .01	< 8	53	< 2	68
RS-422 2321.7-2330.8	< .3	2.51	< 2	< 3	641	< 3	2.57	0.7	18	182	31	3.21	15	0.25	16	2.35	437	1	0.12	81	0.099	19	< 3	< .1	323	2	< .01	8	58	< 2	67
RS-422 2330.8-2332.0	< .3	2.26	< 2	< 3	357	< 3	2.42	0.2	18	148	30	3.48	< 10	0.21	14	2.38	764	1	0.11	82	0.084	8	< 3	< .1	275	< 2	0.01	< 8	60	< 2	60
RS-422 2344-2349	0.3	2.44	2	< 3	901	< 3	2.19	0.8	18	185	32	3.38	15	0.17	16	2.5	590	1	0.12	83	0.096	13	< 3	< .1	331	2	< .01	< 8	69	< 2	70
RS-422 2354.9-2360.0	0.5	2.56	2	< 3	1915	< 3	4	0.9	19	171	26	2.96	< 10	0.22	17	2.21	714	1	0.11	80	0.096	17	3	0.2	534	2	< .01	11	68	2	68
RS-422 2370-2380	0.8	2.39	24	< 3	170	< 3	1.79	0.7	18	171	30	3.25	20	0.22	14	2.15	344	1	0.09	85	0.101	17	3	1.6	273	2	< .01	8	61	< 2	66
STANDARD C3	5.5	1.95	57	20	159	26	0.55	24.1	12	166	68	3.31	935	0.17	18	0.6	769	25	0.05	36	0.09	35	19	0.9	30	22	0.09	27	78	17	165

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
1500 GLENDALE AVE.
SPARKS, NV 89431

(702) 356-0606

INVOICE NO: SP 0049020-IN
INVOICE DATE: 06/12/98

INVOICE TO:
NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.
861 W. 6TH STREET
WINNEMUCCA NV 89445

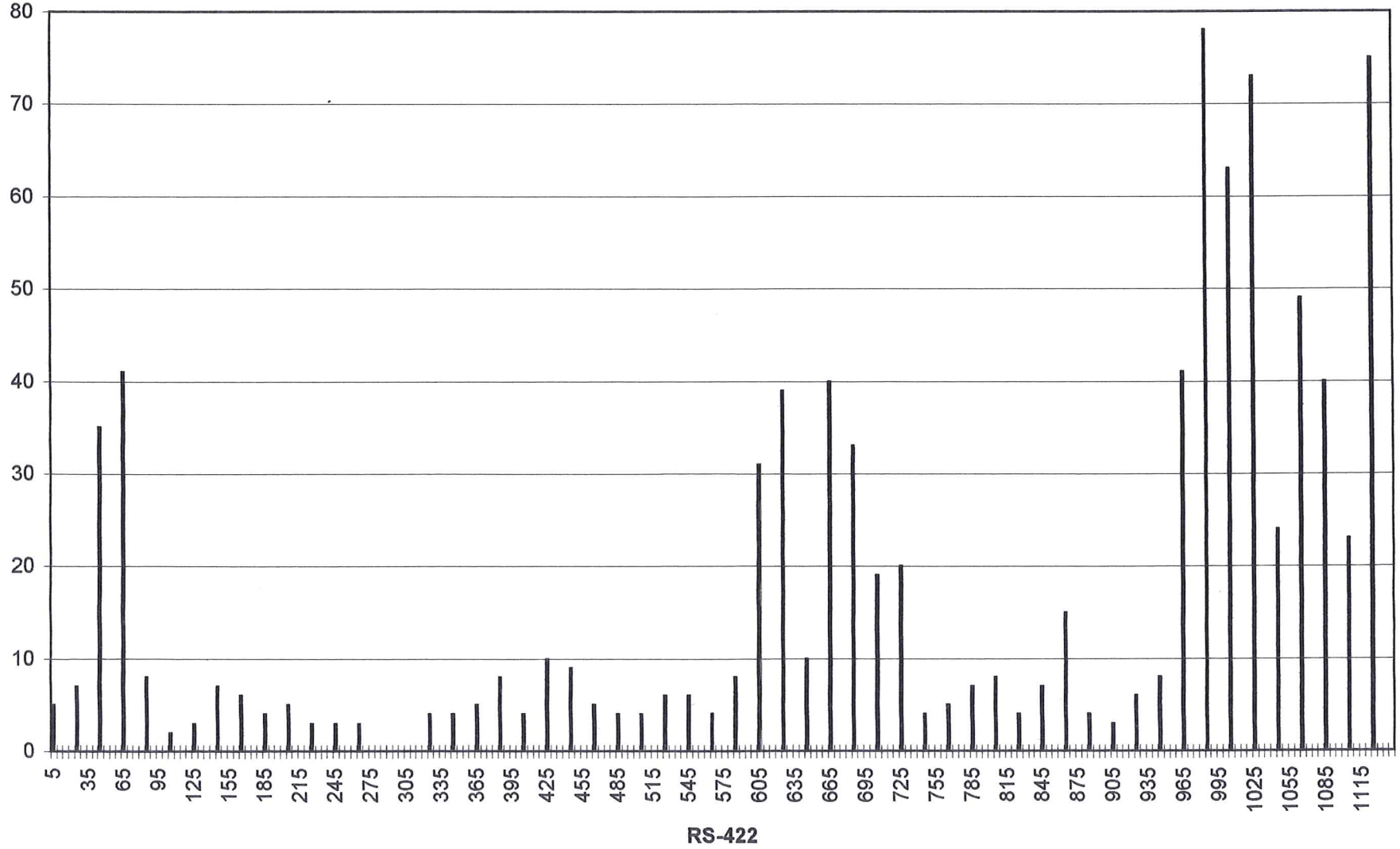
CUSTOMER P.O.	PROJECT	TERMS
RS-422	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
46	SAMPLES RECEIVED	.00	.00
45	DRYING	1.00	45.00
45	JAW CRUSHING CHARGE	1.30	58.50
45	SPLITTING CHARGE	1.20	54.00
45	FINE MILLING CHARGE	2.00	90.00
46	Au (1 A.T. FIRE ASSAY)	8.00	368.00
46	HYDROCHLORIC/NITRIC DIGESTION	2.00	92.00
46	Ag ANALYSES	1.00	46.00
33	COMPOSITE CHARGE	1.00	33.00
22	MULTI-ELEMENT ICP PACKAGE	9.80	215.60
22	Se ANALYSES	7.15	157.30

NET INVOICE:	1,159.40
LESS DISCOUNT:	405.79
FREIGHT:	.00
INVOICE TOTAL:	753.61

As

As, ppm


80
70
60
50
40
30
20
10
0
5
35
65
95
125
155
185
215
245
275
305
335
365
395
425
455
485
515
545
575
605
635
665
695
725
755
785
815
845
875
905
935
965
995
1025
1055
1085
1115
RS-422

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Te	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	2	0.01	0.2	1	1	1	0.01	5	0.01	1	0.01	2	1	0.01	1	0.001	3	2	0.2	1	0.3	2	0.01	5	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

CLIENT: *NEWMONT GOLD COMPANY*
CLIENT REF: ROSEBUD EXPLORATION
AAL REF: SP048301
METHOD: AAL 01-2 + Se & Te

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
RS-422 1130-1133	36	0.37	53	< 3	27	< 3	0.28	0.3	1	8	17	2.91	545	0.24	29	0.03	5780	2	0.01	5	0.029	12	10	7.4	10	< .2	7	< .01	< 8	2	< 2	197
RS-422 1133-1136	115.8	0.27	103	< 3	48	3	0.25	0.4	1	9	13	4.21	285	0.18	25	0.01	7099	2	0.01	5	0.022	16	19	17.8	10	0.2	5	< .01	< 8	1	< 2	205
RS-422 1136-1139	39.4	0.38	106	3	38	< 3	0.18	0.5	1	7	12	3.69	350	0.24	27	0.01	2255	1	0.01	4	0.022	17	22	10.8	10	< .2	7	< .01	< 8	2	< 2	114
RS-422 1139-1143	1.3	0.36	38	4	40	< 3	0.19	0.3	1	4	7	2.34	275	0.22	33	0.01	1293	1	0.01	2	0.027	13	11	3.7	11	< .2	9	< .01	< 8	1	< 2	98
RS-422 1143-1147	72.4	0.38	93	< 3	29	3	0.17	0.9	1	6	12	4.16	1840	0.23	28	0.01	1480	1	0.01	4	0.022	24	28	16.1	10	< .2	5	< .01	< 8	1	< 2	211
RS-422 1147-1151	83.4	0.44	77	4	61	< 3	0.24	0.3	1	4	8	2.86	205	0.25	36	0.01	1895	1	0.01	3	0.028	18	22	23.5	14	0.4	8	< .01	< 8	1	< 2	171
RS-422 1151-1155	75.6	0.46	59	< 3	37	3	0.26	0.5	1	5	9	4.1	1295	0.26	32	0.01	2813	1	0.01	3	0.022	21	31	16.8	13	0.2	8	< .01	< 8	1	< 2	107
RS-422 1155-1159	3.1	0.41	23	4	35	< 3	0.22	0.2	1	2	5	1.69	270	0.21	32	0.01	309	< 1	0.01	1	0.02	12	11	4.1	15	< .2	8	< .01	< 8	1	< 2	64
RS-422 1159-1163	1.4	0.46	21	5	34	< 3	0.22	0.5	1	2	5	2.12	775	0.25	34	0.01	848	< 1	0.01	2	0.026	15	13	4.1	14	< .2	8	< .01	< 8	1	< 2	104
RS-422 1163-1167	0.8	0.44	17	3	38	< 3	0.21	< .2	1	3	5	2.38	490	0.24	31	0.01	750	< 1	0.01	2	0.023	15	10	2	13	< .2	8	< .01	< 8	1	< 2	52
RS-422 1167-1171	1.8	0.47	34	< 3	34	< 3	0.19	0.8	1	4	8	2.66	430	0.25	32	0.01	339	1	0.01	2	0.022	22	14	2.6	12	0.2	8	< .01	< 8	1	< 2	69
RS-422 1171-1175	< .3	0.71	10	5	66	< 3	0.18	0.3	1	3	4	2.23	275	0.36	41	0.04	689	1	0.01	2	0.025	17	9	0.8	12	0.3	10	< .01	< 8	2	< 2	101
RS-422 1175-1180	< .3	0.6	3	< 3	18	< 3	0.2	< .2	1	1	3	1.28	85	0.34	37	0.03	599	< 1	0.01	1	0.025	12	7	0.2	12	< .2	10	< .01	< 8	1	< 2	60
RS-422 1180-1185	1.9	0.44	22	4	56	< 3	0.19	0.3	1	2	4	2.24	345	0.23	33	0.01	575	< 1	0.01	2	0.025	14	14	2.5	12	< .2	8	< .01	< 8	1	< 2	57
RS-422 1185-1188	34.5	0.4	49	4	50	< 3	0.15	1.2	1	6	11	3.06	2970	0.23	27	0.01	1029	1	0.01	3	0.022	24	19	9.2	9	0.5	6	< .01	< 8	1	< 2	135
RS-422 1188-1192	0.4	0.48	23	8	23	< 3	0.21	< .2	1	1	5	2.02	120	0.26	34	0.01	506	< 1	0.01	2	0.031	14	14	3.3	12	< .2	9	< .01	< 8	1	< 2	83
STANDARD C3	5.2	1.82	57	22	147	25	0.56	23	11	157	62	3.21	900	0.16	17	0.58	746	25	0.04	36	0.088	31	14	0.3	28	0.3	17	0.09	14	78	22	153
STANDARD G-2	< .3	1	2	3	232	< 3	0.65	< .2	4	73	3	1.97	< 10	0.49	8	0.58	517	1	0.1	8	0.095	3	< 3	< .1	77	< .2	3	0.13	< 8	41	2	41

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
1500 GLENDALE AVE.
SPARKS, NV 89431

(702) 356-0606

INVOICE NO: SP 0047315-IN
INVOICE DATE: 12/17/97

INVOICE TO:
NEWMONT EXPLORATION LTD.

861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.

861 W. 6TH STREET
WINNEMUCCA NV 89445

CUSTOMER P.O.	PROJECT	TERMS
RS-422	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
232	SAMPLES RECEIVED	.00	.00
5	NO PREPARATION REQUIRED	.00	.00
227	DRYING	1.00	227.00
227	JAW CRUSHING CHARGE	1.30	295.10
227	SPLITTING CHARGE	1.20	272.40
227	FINE MILLING CHARGE	2.00	454.00
232	Au (1 A.T. FIRE ASSAY)	8.00	1,856.00
229	HYDROCHLORIC/NITRIC DIGESTION	2.00	458.00
229	Ag ANALYSES	1.00	229.00
4	Ag (ore grade) ANALYSES	5.00	20.00
228	COMPOSITE CHARGE	1.00	228.00
59	MULTI-ELEMENT ICP PACKAGE	9.80	578.20

COPY

NET INVOICE:	4,617.70
LESS DISCOUNT:	923.54
FREIGHT:	.00
INVOICE TOTAL:	3,694.16

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
1500 GLENDALE AVE.
SPARKS, NV 89431

(702) 356-0606

INVOICE NO: SP 47315A -IN
INVOICE DATE: 01/27/98

INVOICE TO:
NEWMONT EXPLORATION LTD.

861 W. 6TH STREET
WINNEMUCCA NV 89445

NEWMONT EXPLORATION LTD.

861 W. 6TH STREET
WINNEMUCCA NV 89445

CUSTOMER P.O.	PROJECT	TERMS
RS-422	ROSEBUD EXPLOR.	NET 30 - DUE IN U.S. DOLLARS

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	ADJUSTMENT TO SP#47315 FOR ADDITIONAL ANALYSIS REQUESTED BY CLIENT. (Se ANALYSIS)		
59	Se ANALYSES	10.00	590.00

NET INVOICE:	590.00
LESS DISCOUNT:	118.00
FREIGHT:	.00
INVOICE TOTAL:	472.00

COPY

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	2	0.01	0.2	1	1	1	0.01	5	0.01	1	0.01	2	1	0.01	1	0.001	3	2	0.2	1	2	0.01	5	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

CLIENT:	*NEWMONT GOLD COMPANY*
CLIENT REF:	ROSEBUD EXPLORATION
AAL REF:	SP048789
METHOD:	AAL 01-2 + Se

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
1650.0-1660.2	0.8	0.44	51	< 3	39	< 3	2.39	0.3	< 1	1	3	1.67	45	0.31	18	0.03	1168	29	0.01	1	0.02	25	17	2.4	132	5	< .01	< 8	1	< 2	34
1660.2-1675.0	1.3	0.45	59	< 3	79	< 3	0.88	0.2	< 1	1	3	1.59	65	0.36	23	0.02	454	3	0.01	1	0.02	29	13	3.8	117	8	< .01	< 8	< 1	< 2	43
RS-422.1 1675-1691	2	0.56	63	< 3	82	< 3	0.77	0.4	1	1	3	1.59	60	0.38	21	0.03	376	145	0.01	1	0.022	22	9	7.5	106	6	< .01	< 8	< 1	< 2	30
RS-422.1 1691-1705	5.7	0.48	59	< 3	64	< 3	3.27	0.4	1	1	2	1.6	85	0.33	11	0.04	1171	370	0.01	1	0.018	21	16	5.6	163	2	< .01	< 8	< 1	< 2	42
1705.0-1722.4	1.4	0.49	31	< 3	79	< 3	1.1	0.2	< 1	2	2	1.32	70	0.38	18	0.03	382	4	0.01	1	0.02	16	7	5.4	107	3	< .01	< 8	< 1	< 2	35
1722.4-1740.0	3.9	0.52	67	< 3	36	< 3	3.4	0.4	< 1	1	2	1.8	195	0.38	10	0.04	953	10	0.01	1	0.017	19	21	18.1	158	< 2	< .01	< 8	< 1	< 2	27

AMERICAN ASSAY LABORATORIES

AAL 01-2 ICP PACKAGE DETECTION LIMITS

ELEMENT	Ag	Al	As	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Th	Ti	U	V	W	Zn
SAMPLES	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppb	%	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.3	0.01	2	3	1	2	0.01	0.2	1	1	1	0.01	5	0.01	1	0.01	2	1	0.01	1	0.001	3	2	1	2	0.01	5	1	2	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B, Ba, Ca, Cr, Fe, La, Mg, Mn, Sr, Ti AND W.
DIGEST IS LIMITED FOR Al, K AND Na.

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

CLIENT: *NEWMONT GOLD COMPANY*
CLIENT REF: ROSEBUD MINE
AAL REF: SP047315
METHOD: AAL 01-2

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
RS-422 000-020	0.3	0.63	5	6	92	< 3	0.34	0.7	3	3	9	2.47	125	0.16	36	0.08	1016	1	0.06	3	0.031	28	9	43	12	0.02	< 8	7	< 2	120
RS-422 020-040	0.3	0.56	7	3	79	3	0.02	0.4	2	3	8	2.1	1170	0.23	37	0.01	265	1	0.02	< 1	0.04	19	11	16	11	< .01	< 8	2	< 2	46
RS-422 040-060	2.9	0.55	35	< 3	48	4	0.01	0.7	3	6	13	2.84	2160	0.16	33	< .01	70	2	0.02	4	0.016	23	21	35	10	< .01	< 8	2	< 2	31
RS-422 060-080	0.7	0.5	41	< 3	32	< 3	0.01	1.1	5	4	11	3.07	2600	0.12	33	< .01	46	2	0.01	2	0.016	24	19	23	10	< .01	8	1	< 2	37
RS-422 080-100	0.3	0.64	8	< 3	41	< 3	0.01	0.2	3	5	11	1.7	2175	0.13	36	< .01	57	2	0.01	1	0.02	11	18	28	12	0.01	< 8	2	< 2	34
RS-422 100-120	< .3	0.59	2	4	51	< 3	0.01	< .2	1	6	9	2.85	55	0.15	37	0.01	131	3	0.02	3	0.018	9	9	11	11	0.03	< 8	5	< 2	37
RS-422 120-140	< .3	0.63	3	3	53	< 3	0.01	0.3	1	5	6	2.65	115	0.17	37	0.01	126	3	0.02	2	0.018	12	9	12	13	0.04	< 8	4	< 2	39
RS-422 140-160	< .3	0.65	7	< 3	47	3	0.01	< .2	2	4	8	2.49	245	0.14	33	0.01	107	2	0.02	4	0.017	6	12	20	11	0.03	< 8	4	< 2	35
RS-422 160-180	< .3	0.54	6	< 3	34	< 3	0.01	< .2	1	5	9	2.45	45	0.13	35	0.01	105	2	0.02	2	0.012	12	16	9	12	0.03	< 8	4	< 2	32
RS-422 180-200	0.4	0.45	4	< 3	92	< 3	0.01	< .2	2	3	5	2.01	265	0.14	38	0.01	70	2	0.01	< 1	0.009	17	11	8	12	0.03	< 8	3	< 2	27
RS-422 200-220	< .3	0.48	5	4	47	< 3	0.03	0.4	< 1	3	5	2.24	45	0.14	38	0.02	79	2	0.02	3	0.013	17	12	12	12	0.03	< 8	6	2	48
RS-422 220-240	0.4	0.77	3	< 3	150	3	0.97	0.6	2	1	5	2.21	25	0.2	44	0.05	689	1	0.02	1	0.025	27	5	95	12	0.01	< 8	4	< 2	98
RS-422 240-260	< .3	0.86	3	< 3	86	< 3	2.14	0.6	1	3	5	1.85	15	0.22	35	0.08	803	< 1	0.02	2	0.025	23	< 3	164	8	< .01	< 8	5	< 2	40
RS-422 260-280	< .3	0.87	3	< 3	341	4	3	0.8	3	5	4	2.17	< 10	0.27	20	0.12	1237	1	0.03	1	0.039	34	< 3	170	7	0.01	< 8	13	< 2	47
RS-422 280-300	< .3	1.56	< 2	< 3	301	< 3	2.52	0.6	5	6	4	2.34	10	0.33	21	0.28	845	< 1	0.04	1	0.067	19	< 3	271	5	0.01	< 8	16	< 2	55
RS-422 300-320	< .3	1.91	< 2	< 3	90	< 3	1.79	0.6	5	5	6	2.9	20	0.23	28	0.39	589	< 1	0.05	2	0.102	13	< 3	327	3	0.01	< 8	17	< 2	96
RS-422 320-340	< .3	1.08	4	3	128	< 3	1.38	0.3	4	4	9	2.53	15	0.3	27	0.21	578	< 1	0.05	3	0.101	15	< 3	198	5	0.03	< 8	15	< 2	87
RS-422 340-360	0.4	1.19	4	< 3	84	4	1.75	< .2	5	6	24	3.52	< 10	0.33	30	0.23	847	1	0.05	3	0.109	162	< 3	221	7	0.03	< 8	20	< 2	111
RS-422 360-380	< .3	0.67	5	< 3	158	< 3	1.5	0.3	7	7	11	4.25	< 10	0.27	26	0.15	711	2	0.05	6	0.108	12	< 3	107	6	0.06	< 8	23	< 2	88
RS-422 380-400	< .3	0.46	8	< 3	125	< 3	0.76	0.2	8	8	12	4.36	< 10	0.2	25	0.1	470	3	0.05	4	0.112	21	< 3	52	7	0.07	< 8	24	< 2	95
RS-422 400-420	< .3	0.51	4	< 3	67	< 3	0.72	0.2	6	9	16	4.86	10	0.19	26	0.12	582	2	0.07	5	0.114	17	< 3	56	8	0.09	< 8	25	< 2	102
RS-422 420-440	< .3	0.58	10	6	78	4	1.4	0.2	7	8	11	4.48	10	0.19	26	0.13	803	2	0.06	2	0.107	13	< 3	80	7	0.06	< 8	29	< 2	95
RS-422 440-460	< .3	0.83	9	< 3	62	< 3	1.83	0.3	7	8	11	4.96	< 10	0.2	28	0.2	830	2	0.08	7	0.114	4	< 3	139	8	0.07	< 8	32	< 2	97
RS-422 460-480	< .3	0.95	5	3	69	< 3	1.85	< .2	8	6	8	4.43	15	0.2	27	0.23	777	2	0.07	2	0.113	4	< 3	171	8	0.05	< 8	30	< 2	84
RS-422 480-500	< .3	0.87	4	5	68	3	1.65	< .2	7	5	5	3.98	55	0.17	26	0.22	755	2	0.06	3	0.107	7	3	154	7	0.04	< 8	26	< 2	81
RS-422 500-520	< .3	0.84	4	5	85	3	1.39	0.2	6	6	13	4.45	15	0.19	28	0.19	591	2	0.06	4	0.108	16	< 3	121	8	0.05	< 8	27	< 2	88
RS-422 520-540	< .3	0.91	8	4	104	< 3	1.61	< .2	7	5	8	4.17	55	0.21	28	0.21	649	2	0.06	3	0.107	13	< 3	127	6	0.05	< 8	25	< 2	92
RS-422 540-560	0.3	0.81	6	< 3	79	5	2.87	0.4	5	5	6	3.99	30	0.21	26	0.16	1191	1	0.04	4	0.104	16	< 3	132	7	0.05	< 8	22	< 2	92
RS-422 560-580	< .3	0.94	4	< 3	219	< 3	3.94	0.3	3	4	5	3.31	35	0.28	27	0.15	884	1	0.02	3	0.09	20	< 3	165	6	0.04	< 8	17	< 2	86
RS-422 580-600	0.3	0.89	8	< 3	302	< 3	2.53	0.6	3	3	7	2.35	285	0.24	19	0.25	862	1	0.01	4	0.044	34	5	99	6	0.01	< 8	7	< 2	108
RS-422 600-620	0.3	0.59	31	< 3	38	6	0.52	0.8	3	3	11	3.1	1045	0.17	17	0.08	592	1	0.01	8	0.047	44	24	45	5	< .01	< 8	3	< 2	101
RS-422 620-640	0.8	0.7	39	< 3	16	< 3	0.59	0.3	4	3	9	4.01	460	0.2	16	0.12	773	2	0.01	2	0.054	47	32	50	6	< .01	< 8	5	< 2	122
RS-422 640-660	< .3	0.79	10	< 3	45	5	0.57	1	4	3	6	2.72	355	0.18	17	0.09	662	1	0.01	2	0.054	32	12	50	5	< .01	< 8	6	< 2	109
STANDARD C3	5.4	1.94	57	22	155	25	0.6	24.3	13	170	65	3.56	940	0.17	18	0.65	777	26	0.04	36	0.09	40	20	30	18	0.1	18	81	20	166
STANDARD G-1	< .3	1.17	< 2	< 3	276	< 3	0.68	< .2	5	105	5	2.24	< 10	0.56	7	0.71	600	2	0.1	8	0.082	5	< 3	85	3	0.15	< 8	43	< 2	48

CLIENT: *NEWMONT GOLD COMPANY*
CLIENT REF: ROSEBUD MINE
AAL REF: SP047315
METHOD: AAL 01-2

AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
RS-422 660-680	30.2	0.46	40	< 3	30	5	0.32	0.3	2	5	9	3.06	395	0.12	15	0.02	111	2	0.01	2	0.029	29	31	41	5	< .01	< 8	2	< 2	64
RS-422 680-700	0.7	0.61	33	< 3	49	10	0.47	0.4	2	5	10	2.92	185	0.11	20	0.13	692	2	0.01	2	0.027	27	19	36	6	< .01	< 8	4	< 2	68
RS-422 700-720	0.3	1.07	19	< 3	85	7	0.65	0.6	3	5	6	2.36	235	0.26	14	0.18	422	1	0.01	2	0.034	36	9	58	6	< .01	< 8	5	< 2	79
RS-422 720-740	< .3	1.22	20	< 3	92	3	1.61	0.9	2	2	4	2.33	330	0.34	19	0.16	521	2	0.01	2	0.047	34	4	89	8	0.01	< 8	6	< 2	90
RS-422 740-760	< .3	0.68	4	3	138	6	2.66	0.5	1	3	7	2.3	85	0.26	20	0.07	797	1	0.02	6	0.041	18	< 3	114	8	0.02	< 8	7	< 2	37
RS-422 760-780	< .3	0.65	5	< 3	70	7	4.83	0.7	2	3	4	1.95	255	0.24	16	0.09	1642	1	0.02	4	0.036	20	< 3	162	7	0.01	< 8	5	< 2	76
RS-422 780-800	< .3	0.73	7	< 3	134	4	1.94	0.6	1	4	20	2.24	80	0.25	12	0.07	661	2	0.02	2	0.038	139	3	110	6	0.02	< 8	7	< 2	87
RS-422 800-820	0.3	0.64	8	< 3	34	4	2.62	0.9	2	3	5	2.12	90	0.24	14	0.09	908	1	0.02	1	0.04	51	3	112	7	0.01	< 8	6	< 2	55
RS-422 820-840	0.3	0.61	4	< 3	54	< 3	2.57	0.8	1	3	2	1.97	90	0.25	15	0.07	1069	1	0.02	3	0.038	26	< 3	111	7	0.02	< 8	6	2	56
RS-422 840-860	< .3	0.64	7	< 3	54	3	2.77	1.2	1	2	5	2.16	60	0.23	15	0.08	970	1	0.02	< 1	0.04	22	3	150	7	0.02	< 8	8	< 2	97
RS-422 860-880	0.7	0.65	15	< 3	74	3	1.86	0.9	3	4	8	2.71	45	0.21	17	0.07	651	1	0.01	1	0.035	35	7	111	7	0.01	< 8	6	< 2	43
RS-422 880-900	0.3	1.11	4	4	71	4	2.11	1	1	2	5	2.13	20	0.47	22	0.15	694	1	0.02	3	0.027	24	< 3	129	9	0.01	< 8	12	< 2	67
RS-422 900-920	0.4	0.97	3	3	87	4	2.16	0.6	1	3	5	2.22	10	0.41	22	0.15	917	2	0.02	5	0.034	22	< 3	105	10	0.02	< 8	10	< 2	52
RS-422 920-940	0.3	1.03	6	5	78	3	2.08	0.7	1	3	3	2.16	15	0.48	23	0.1	616	1	0.02	3	0.035	21	< 3	83	10	0.01	< 8	10	< 2	44
RS-422 940-960	< .3	1.07	8	< 3	55	< 3	0.57	< .2	1	1	7	2.08	145	0.45	23	0.06	3020	1	0.01	3	0.033	23	6	28	10	< .01	< 8	4	< 2	128
RS-422 960-980	1.6	0.52	41	< 3	39	3	0.29	0.6	2	7	12	3.19	495	0.19	14	0.03	519	2	0.01	7	0.032	28	20	24	6	< .01	< 8	2	< 2	92
RS-422 980-1000	17.1	0.43	78	< 3	26	< 3	0.22	1.2	2	12	12	3.72	440	0.21	12	0.02	1211	3	0.01	5	0.028	24	18	17	5	< .01	8	2	< 2	120
RS-422 1000-1020	2	0.46	63	< 3	39	< 3	0.23	0.5	2	7	12	3	220	0.25	15	0.02	742	2	0.01	8	0.033	28	17	15	7	< .01	< 8	2	< 2	107
RS-422 1020-1040	3.2	0.45	73	< 3	27	4	0.28	0.9	2	7	11	4.58	525	0.22	19	0.02	4215	2	0.01	10	0.037	27	26	14	6	< .01	< 8	2	< 2	215
RS-422 1040-1060	0.6	0.39	24	< 3	24	8	0.36	0.8	2	5	10	4.84	875	0.18	24	0.02	9877	2	< .01	6	0.031	25	18	16	8	< .01	< 8	1	< 2	451
RS-422 1060-1080	24.5	0.49	49	< 3	21	< 3	0.29	0.9	1	4	9	4.16	395	0.23	27	0.02	2946	2	< .01	4	0.027	27	21	17	9	< .01	< 8	1	< 2	203
RS-422 1090-1095B	0.3	1.5	654	7	410	< 3	1.08	1.4	8	57	91	3	7355	0.32	16	0.27	279	9	0.01	37	0.111	19	43	73	5	0.01	< 8	151	3	81
RS-422 1080-1100	1.8	0.43	40	< 3	24	< 3	0.28	1.1	1	7	11	3.57	465	0.2	28	0.02	834	2	< .01	2	0.028	26	23	18	8	< .01	< 8	2	< 2	121
RS-422 1100-1120	1	0.41	23	< 3	21	< 3	0.23	0.9	1	4	8	3.31	505	0.2	31	0.01	867	1	0.01	3	0.027	25	17	15	10	< .01	< 8	1	< 2	128
RS-422 1115-1120B	< .3	1.43	628	8	518	< 3	1.04	1.9	7	51	86	2.89	6820	0.31	16	0.27	269	9	0.01	32	0.11	16	44	71	5	0.01	< 8	145	3	79
RS-422 1120-1135	60.3	0.35	75	< 3	41	< 3	0.18	0.6	1	5	10	2.83	875	0.2	28	0.01	1005	1	< .01	4	0.023	19	16	12	8	< .01	< 8	2	< 2	81
STANDARD C3	5.5	1.98	57	21	159	28	0.6	24.4	12	172	66	3.62	905	0.17	18	0.66	792	26	0.05	38	0.091	39	21	31	19	0.1	21	82	21	171
STANDARD G-1	< .3	1.16	2	< 3	274	4	0.64	< .2	6	98	4	2.17	< 10	0.55	7	0.7	592	2	0.09	7	0.079	5	< 3	81	3	0.15	< 8	41	< 2	48

"B" samples are Newmont's standards

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Gold. co.

Address: 861 W. 6th St.

City Winnemucca State N.V. Zip 89445

Telephone Number: (702) 623-3493 Fax Number: ( ) 623-1052

Project Name: Rosebud Exploration Purchase Order Number:

Date Submitted: 4/13/98 Number of Samples: 18

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-422: 1385-1470	core	Au, Ag FA 30 (AG D210)
see attached List		and
		ICP (AA 1/2 tse)
		on 4 Sample Composites

PEEL HERE

MS-2
MS-2

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month

[X] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Charlotte Ballew
Winnemucca

Results to:

Randy Vance
Winnemucca

Comments:

Newmont Rosebud Sample Prep

CLIENT FILE COPY

11/22/93

Rosebud Exploration

CORE CUTTING, SAMPLE NUMBER and FOOTAGE LOG

Sheet 2 of ____

Hole # RS- 422

Geologist VANCE

Sample # ____

Date Started ____

Date Finished ____

Date to Lab ____

	From	To
7	1293	1299
8	1299	1305
9	1305	1309
10	1309	1313
11	1313	1318
12	1318	1323
13	1323	1328
14	1328	1333
15	1333	1338
16	1338	1343
17	1343	1346.5
18	1346.5	50
19	1350	55
20	1355	60
21	1360	65
22	1365	70
23	1370	75
24	1375	80
25	1380	1385
	1385	1390

Shipped 3/31/98

From	To
1390	1395
1395	1400
1400	1405
1405	1410
1410	1415
1415	1420
1415 - 1428	B
1420	1425
1425	1430
1430	1435
1435	1440
1440	1444
1444	1447
1447	1450
1450	1455
1455	1460
1460	1465
1465	1470
[redacted]	

1443 - 1400

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Gold Company

Address: 861 W. 6th Street

City Winnemucca State NV Zip 89445

Telephone Number: (702) 623-3493 Fax Number: (702) 625-5655

Project Name: Rosebud Exploration Purchase Order Number:

Date Submitted: 5-29-98 Number of Samples: 46

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-422 : 2087-2380'	Core	Au FA30 & Ag D210 each sample
see attached list		
		AAL 1/2 + Se on composites or
		individual samples as shown on
		attached list

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month
[ ] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Charlotte Ballew
Newmont Gold
Winnemucca

Results to:

Randy Vance
Newmont Gold
Winnemucca

Comments:

Newmont Rosebud Standard Prep

PEEL HERE

RS-422
MS-3
MS-3
2251-2256x3

CLIENT FILE COPY

AAL 1/2+Se analyses:

2087	2092	individual
2096.7	2101.9	individual
2111.9	2116.8	individual
2131.7	2137.1	individual
2142	2146.4	individual
2159.4	2164.9	individual
2175.6	2180	composite
2184.9	2190	
2190	2194.4	composite
2194.4	2197.3	
2197.3	2201.2	composite
2201.2	2203	
2203	2207.6	no ICP analyses
2207.6	2209.2	composite
2209.2	2213.2	
2213.2	2217.4	composite
2217.4	2222.7	
2222.7	2226.7	
2226.7	2231.9	
2231.9	2237.5	composite
2237.5	2242.9	
2242.9	2246.7	
2246.7	2251	
2251	2256.3	individual
2251	2256.3B	no ICP analyses
2256.3	2261.5	composite
2261.5	2265.2	
2265.2	2270.5	
2270.5	2275.6	
2275.6	2280.4	
2280.4	2285.2	composite
2285.2	2290	
2290	2294.9	
2294.9	2299.7	
2299.7	2302	individual
2302	2306.1	composite
2306.1	2313.3	
2313.3	2317.4	
2317.4	2321.7	
2321.7	2326.1	composite
2326.1	2330.8	
2330.8	2332	individual
2344	2349	individual
2354.9	2360	individual
2370	2375.2	composite
2375.2	2380	

22 analyses

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Exploration

Address: 861 W. 6th Street

City Winnemucca State NV Zip 89445

Telephone Number: (702) 623-3493 Fax Number: (702) 623-1052

Project Name: Rosebud Exploration Purchase Order Number:

Date Submitted: 11/18/97 Number of Samples: ~~227~~ 232

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-~~42~~ 422	RC	Au/Ag FA/AA each sample (5')
0-1135' T.D.		and
+565B, 735B, 1080B, 1095B, 1120B		ICP package on 4-sample composites (20')
		and
		Hg by AA on 4-sample composites (20')
		exclude "B" samples from composites
		but do ICP and Hg analyses on
		each separately if there is
		sufficient pulp

PEEL HERE

1080B
MS-3
MS-3

735B
MS-1
(RMG1)

PEEL HERE

565B
G 0 1 - 166
G 0 1 - 166

1120B
MS-1
(RMG1)

1095B
MS-1
(RMG1)

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month
[ ] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Charlotte Ballew
Newmont Exploration
Winnemucca

Results to:

Randy Vance
Newmont Exploration
861 W. 6th Street
Winnemucca, NV 89445

Comments:

CLIENT FILE COPY

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Gold Co

Address: 861 W. 6th St

City Winnemucca State NV Zip 89445

Telephone Number: (702) 623-3493 Fax Number: (702) 623-1052

Project Name: Rosebud Exploration Purchase Order Number:

Date Submitted: 3/18/98 Number of Samples: 18

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-422:	Core	Au FA 30, Ag P210 each sample
1192-1271'		
(see attached list)		AAL 1/2 + Se on 4-sample
		composites

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month

[X] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Charlotte Ballew
Winnemucca

Results to:

Randy Vance
Winnemucca

Comments:

Newmont Rosebud Standard Prep

CLIENT FILE COPY

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Gold Co.

Address: 861 W. 6th St

City Winnemucca State NV Zip 89445

Telephone Number: (702) 623-3493 Fax Number: (702) 623-1052

Project Name: Rosebud Exploration Purchase Order Number:

Date Submitted: 3/14/98 Number of Samples: 16

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-422: 1130-1192'	Core	Au, Ag FA30 (Ag D210)
(see attached List)		and
		ICP Pkg on EACH SAMPLE
Rush!		(no compositing)
PLEASE		and Hg-AA on each sample
		+ Se " "

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month
[ ] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Charlotte Ballew
Winnemucca

Results to:

Randy Vance
Winnemucca

Comments:

Rosebud Newmont Sample Prep

- PYRARGYRITE is present in some samples: (high Ag).

CLIENT FILE COPY

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Gold Co.

Address: 861 W. 6th St.

City Winnemucca State NV Zip 89445

Telephone Number: (702) 623-3493 Fax Number: ( ) 623-1052

Project Name: Rosebud Exploration Purchase Order Number:

Date Submitted: 3/31/98 Number of Samples: 25

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-422: 1271-1385'	Core	Au, Ag FA30 (Ag D210)
(see attached List)		and
		ICP PKg (AAL ½ + Se)
		on 4 sample composites

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month

[X] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:

Charlotte Ballew
Winnemucca

Results to:

Randy Vance
Winnemucca

Comments:

Newmont Rosebud Sample Prep

CLIENT FILE COPY

Assays and Geochem

	From	To	
RS-422	1271	1276	1
	1276	1280	
	1280	1284	
	1284	1287.9	
	1287.9	1289.2	5
	1289.2	1293	
	1293	1299	
	1299	1305	
	1305	1309	
	1309	1313	10
	1313	1318	
	1318	1323	
	1323	1328	
	1328	1333	
	1333	1338	15
	1338	1343	
	1343	1346.5	
	1346.5	1350	
	1350	1355	
	1355	1360	20
	1360	1365	
	1365	1370	
	1370	1375	
	1375	1380	
	1380	1385	25

SP

SUBMITTAL FORM

American Assay Laboratories

Geochemical • Environmental • Metallurgical

Sparks Office
1500 Glendale Ave.
Nevada 89431
Box 11530
Reno, NV 89510
Telephone
(702) 356-0606
Fax
(702) 356-1413

Tucson Office
2775 E. Ganley
Tucson, AZ 85706
Telephone
(520) 294-8078
Fax
(520) 294-6352

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

Mazatlan Office
Telephone/Fax
011-52-69-170035

Other Offices
Lima, Peru
Santiago, Chile
Mendoza, Argentina

Company: Newmont Gold Co.

Address: 861 W. 6th St

City Winnemucca State NV Zip 89445

Telephone Number: (702) 623-3493 Fax Number: (702) 625-5655

Project Name: Rosebud Exploration Purchase Order Number:

Date Submitted: 4-29-98 Number of Samples: 12

RESULTS REPORTED IN: ppm [ ] ppb [ ] opt [ ]

SAMPLE IDENTIFICATION	TYPE	ELEMENTS REQUIRED
RS-422:	Core	Au, Ag FA30 (Ag D210)
		and
~~[illegible]~~		ICP PKg (AAL 1/2 + Se) 3
1470' ~~1385'~~ 1520'		on composites As shown (~~8~~)
(see attached List)		

COARSE REJECTS (Normally Discarded After 60 Days)

[ ] Return COD after analysis complete

PULPS (Normally Stored Free For One Month)

[ ] Discard after one month

[X] Return COD after one month

RESULTS AND INVOICES TO BE SENT TO:

Invoice to:
Charlotte Ballew
Winnemucca

Results to:
Randy Vance
Winnemucca

Comments:

Newmont Rosebud Sample Prep

CLIENT FILE COPY

NGC Copy

Assays and Geochem

RS-422	1385	1390	5	
HQ core	1390	1395	5	1
	1395	1400	5	
	1400	1405	5	
	1405	1410	5	
	1410	1415	5	
	1415	1420	5	2
	1420	1425	5	
	1425	1430	5	
	1430	1435	5	
	1435	1440	5	3
	1440	1445	5	
	1445	1450	5	
	1450	1455	5	
	1455	1460	5	4
	1460	1465	5	
	1465	1470	5	
	1470	1475	5	
	1475	1480	5	5
	1480	1485	5	
	1485	1490	5	
	1490	1495	5	
	1495	1500	5	6
	1500	1505	5	
	1505	1510	5	
	1510	1515	5	7
	1515	1516.5	1.5	
	1516.5	1518.5	2	8
	1518.5	1520	1.5	

Already shipped

ICP composites

1

2

3

Rosebud Exploration

11/22/93

CORE CUTTING, SAMPLE NUMBER and FOOTAGE LOG

Sheet ____ of ____

Hole # RS-422.1

Geologist VANCE

Sample # ____

Date Started ____

Date Finished ____

Date to Lab ____

	From	To
	1650	
	1654	1656.5
	1658.5	1658
	1658	
	1660.2	
	1662.6	
	1665	
	1670	
	1675	
	1680	
	1684	
	1688.1	
	1691.0	
	1694.0	
	1695.0	
	1700	
	1705	
	1709.4	
	1714.6	
	1719.5	1722.4

	From	To
	1722.4	
	1725	
	1730	
	1735	1740
1	1740	1745
2	1745	1746.6
	1746.6	1751.6
	1751.6	1755
5	1755	1759
	1759	1762
	1762	1766
	1766	1769
	1769	1770
10	1770	1774
	1774	1778
	1778	1779.4
	1779.4	1784
	1784	1789
15	1789	1794
	1794	1799

Rosebud Exploration

11/22/93

CORE CUTTING, SAMPLE NUMBER and FOOTAGE LOG

Sheet ____ of ____

Hole # RS- 422.1

Geologist R. Vance

Sample # ____

Date Started ____

Date Finished ____

Date to Lab ____

	From	To
17	1799	1804.1
	1804.1	1809
	1809	1814
20	1814	1819
1	1819	
	1824	
	1829	
	1834	
	1839	
	* 1843.3	
	1847	
	1852	
	1856	
10	1860	
	* 1863.4	
	1868	
	** 1872.8	
	1875.6	
	1880	
	1885	

	From	To
	1890	
	1895	
	* 1900	
20	* 1905	
	1910	
	1915	
	1919	
	** 1922.3	
25	1926.2	1930

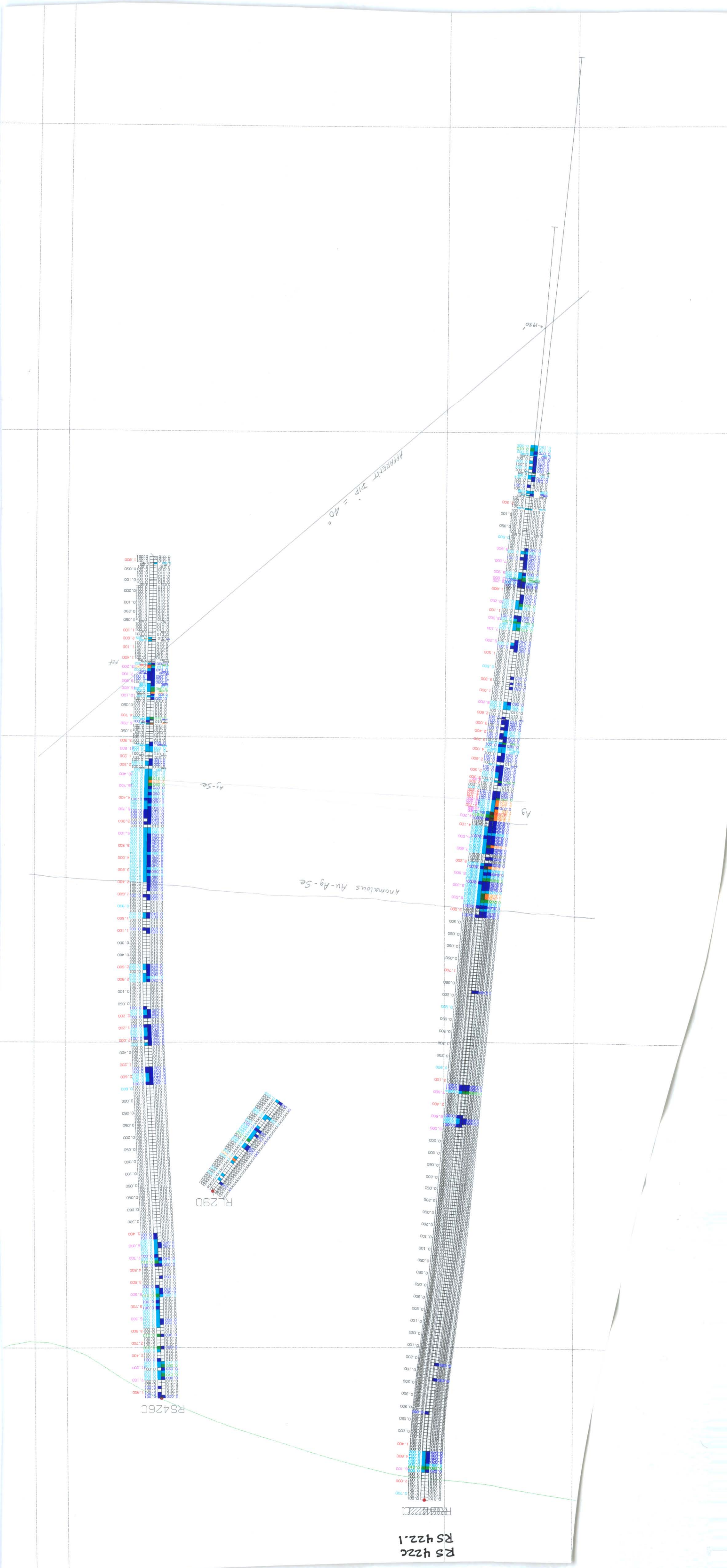
AMERICAN ASSAY LABORATORIES
1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

CLIENT REF: ROSEBUD EXPLORATION
AAL REF: SP049020
METHOD: AAL 01-2 + Se

ELEMENT SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm
RS-422 2087-2092	< .3	1.85	6	< 3	71	3	2.62	0.9
RS-422 2096.7-2101.9	0.3	1.78	3	< 3	93	7	2.97	0.7
RS-422 2111.9-2116.8	0.3	2.05	2	< 3	142	5	2.35	0.5
RS-422 2131.7-2137.1	< .3	2.08	< 2	< 3	181	< 3	2.63	0.8
RS-422 2142.0-2146.4	< .3	2.06	4	< 3	178	< 3	2.61	0.9
RS-422 2159.4-2164.9	< .3	1.85	2	< 3	317	< 3	2.8	0.9
RS-422 2175.6-2190.0	< .3	1.5	2	< 3	218	< 3	2.09	0.2
RS-422 2190.0-2197.3	0.3	1.87	11	< 3	65	5	1.91	0.3
RS-422 2197.3-2203.0	2	1.82	93	< 3	73	3	0.72	0.6
RS-422 2207.6-2213.2	2.2	1.86	79	< 3	61	< 3	1.44	0.6
RS-422 2213.2-2231.9	0.3	2.06	8	< 3	130	6	2.45	0.6
RS-422 2231.9-2251.0	0.7	2.2	16	< 3	506	3	1.97	0.5
RS-422 2251.0-2256.3	< .3	2.39	5	< 3	132	< 3	3.31	0.5
RS-422 2256.3-2280.4	0.8	2.07	12	< 3	172	5	3.15	0.3
RS-422 2280.4-2299.7	0.5	2.19	7	< 3	808	< 3	3.26	0.4
RS-422 2299.7-2302.0	1.7	2.04	54	< 3	332	8	4.16	0.6
RS-422 2302.0-2321.7	0.6	2.19	16	< 3	238	< 3	2.63	0.3
RS-422 2321.7-2330.8	< .3	2.51	< 2	< 3	641	< 3	2.57	0.7
RS-422 2330.8-2332.0	< .3	2.26	< 2	< 3	357	< 3	2.42	0.2
RS-422 2344-2349	0.3	2.44	2	< 3	901	< 3	2.19	0.8
RS-422 2354.9-2360.0	0.5	2.56	2	< 3	1915	< 3	4	0.9
RS-422 2370-2380	0.8	2.39	24	< 3	170	< 3	1.79	0.7
STANDARD C3	5.5	1.95	57	20	159	26	0.55	24.1

1500 GLENDALE AVE.
SPARKS, NV 89431
PHONE: (702) 356-0606
FAX: (702) 356-1413

Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
26	109	33	3.94	65	0.21	18	0.77	737	1	0.1	111	0.112	15	< 3	0.1	180	2	< .01	< 8	64	< 2	68
20	154	34	3.42	40	0.18	19	1.01	698	< 1	0.1	97	0.116	15	3	0.1	219	2	< .01	< 8	61	< 2	73
18	178	32	3.5	10	0.11	14	1.83	508	1	0.14	84	0.099	12	< 3	< .1	220	< 2	0.02	< 8	78	< 2	61
16	170	30	3.4	< 10	0.15	18	1.73	506	< 1	0.1	88	0.107	11	< 3	< .1	270	< 2	0.01	< 8	62	< 2	72
23	187	33	4.01	10	0.13	16	1.69	879	1	0.1	111	0.109	9	< 3	< .1	276	< 2	0.02	< 8	75	< 2	67
20	150	33	3.69	< 10	0.17	17	1.4	592	1	0.1	97	0.106	8	< 3	< .1	245	< 2	0.02	< 8	74	< 2	69
18	93	32	3.02	20	0.24	15	0.87	802	< 1	0.06	76	0.106	17	< 3	< .1	139	2	< .01	< 8	37	< 2	66
20	135	35	3.18	30	0.2	16	1.49	389	1	0.08	87	0.106	13	< 3	0.1	166	2	< .01	< 8	45	< 2	74
22	107	34	3.35	30	0.28	12	1.28	239	13	0.08	97	0.098	15	3	10.6	109	2	< .01	8	34	< 2	62
20	122	36	3.69	30	0.24	11	1.47	381	4	0.09	92	0.097	19	5	10.1	147	< 2	< .01	< 8	48	< 2	73
16	143	37	3.19	15	0.22	16	1.76	634	< 1	0.09	86	0.103	21	< 3	0.5	256	2	< .01	< 8	54	< 2	69
18	151	31	3.25	< 10	0.21	13	1.98	475	< 1	0.1	82	0.101	9	4	3	214	< 2	< .01	< 8	61	< 2	70
19	162	32	3.64	< 10	0.21	17	2.07	610	< 1	0.11	98	0.111	19	4	0.2	392	2	< .01	8	66	< 2	71
18	132	32	3.09	15	0.22	15	1.96	632	< 1	0.09	88	0.103	19	< 3	1.1	235	2	< .01	< 8	43	< 2	70
19	140	30	3.22	10	0.2	15	2.09	676	< 1	0.1	88	0.097	16	< 3	0.8	314	2	< .01	< 8	51	< 2	67
19	148	31	3.37	30	0.22	13	1.86	722	1	0.1	90	0.097	19	5	11.3	293	2	< .01	< 8	48	< 2	71
18	161	32	3.14	25	0.21	13	2.03	504	< 1	0.1	82	0.099	17	< 3	2.3	279	< 2	< .01	< 8	53	< 2	68
18	182	31	3.21	15	0.25	16	2.35	437	1	0.12	81	0.099	19	< 3	< .1	323	2	< .01	8	58	< 2	67
18	148	30	3.48	< 10	0.21	14	2.38	764	1	0.11	82	0.084	8	< 3	< .1	275	< 2	0.01	< 8	60	< 2	60
18	185	32	3.38	15	0.17	16	2.5	590	1	0.12	83	0.096	13	< 3	< .1	331	2	< .01	< 8	69	< 2	70
19	171	26	2.96	< 10	0.22	17	2.21	714	1	0.11	80	0.096	17	3	0.2	534	2	< .01	11	68	2	68
18	171	30	3.25	20	0.22	14	2.15	344	1	0.09	85	0.101	17	3	1.6	273	2	< .01	8	61	< 2	66
12	166	68	3.31	935	0.17	18	0.6	769	25	0.05	36	0.09	35	19	0.9	30	22	0.09	27	78	17	165



RS 422C
RS 422.1

RS426C

RL 290

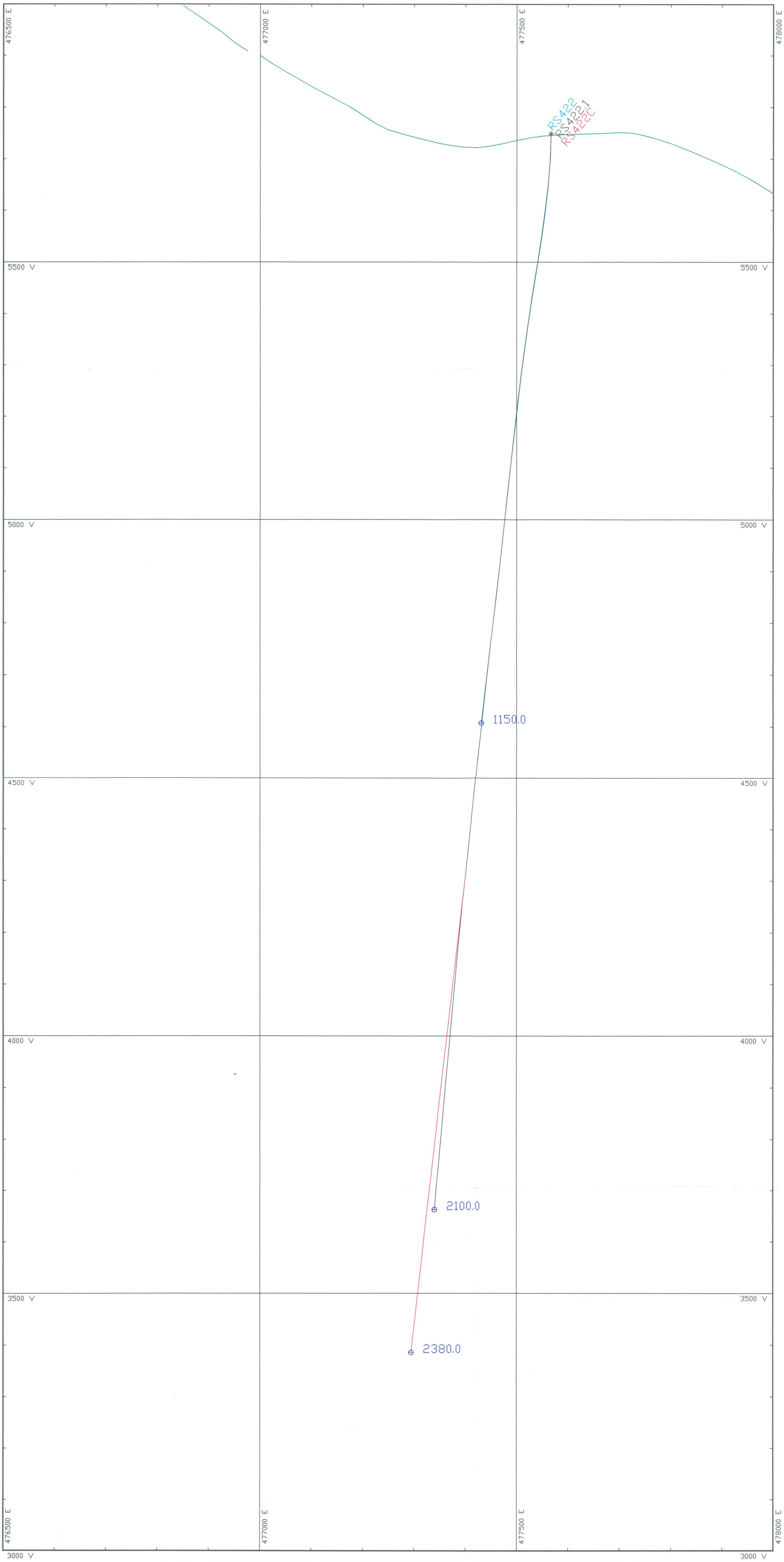
Anomalous Au-Ag-Se

Ag

Ag-Se

APPARENT DIP = 40°

←1930'



SECTION PLANE:
ORIGIN: (476500, 2207920, 3000)
AZM/INC: 90.0, 90.0
LENGTH: 1500
HEIGHT: 3000
THICK: 50.0 (on each side)
Units are (ft).

0 M 20 40 60 80 100
0 Ft 50 100 150 200 250 300

Scale 1:1,200

Newmont Gold Company

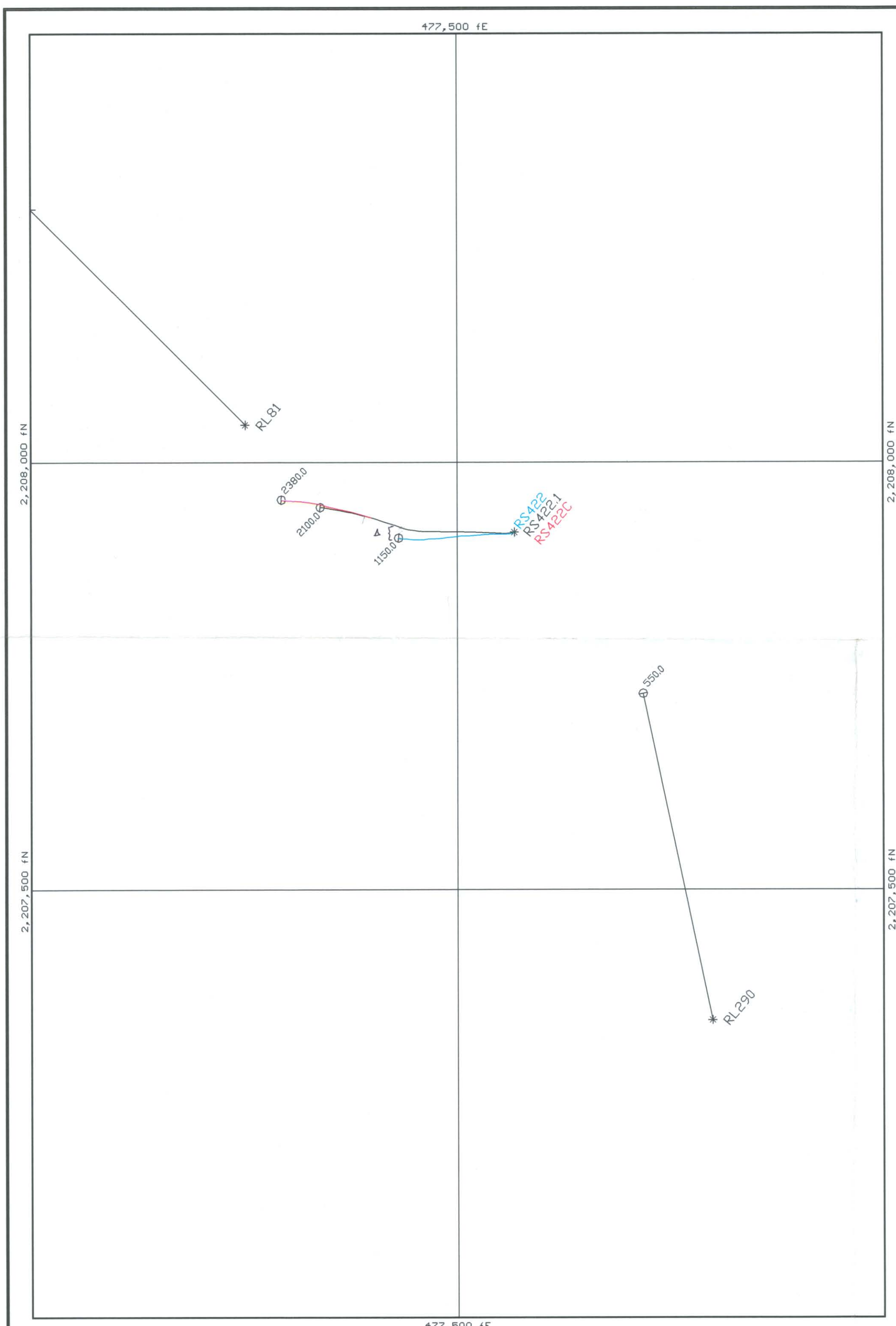
Rosebud J.V. Project

RS422
west-east cross section
looking north

Winnemucca Exploration

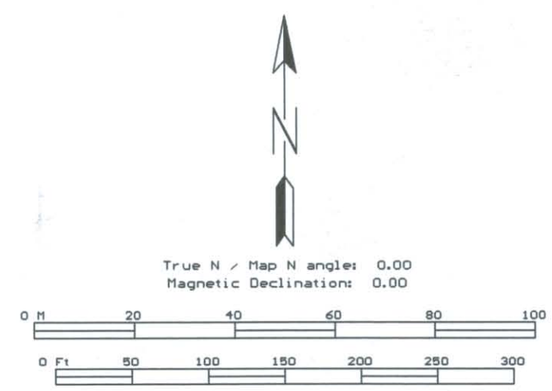
STONES | Wed Mar 04 10:47:32 1998

R:\DWG\rs422.dwg Wed Mar 04 11:22:58 1998 COLSEN



Blue = original RC RS-422
Red = original Core tail RS-422
Black = Wedged Core tail RS-422.1

MAP AREA:
X: 477000 - 478000
Y: 2207000 - 2208500
Z: 0 - 10000
Units are (ft).



Scale 1:1,200

Newmont Gold Company

Rosebud J.V. Project

rs422 plan

Winnemucca Exploration

STONES | Wed Mar 04 11:24:32 1998

R:\DWG\rs422p.dwg Wed Mar 04 11:55:10 1998 COLSEN

Project: ROSEBUD JV	State: Nevada	Northing: 2,207,919	Inclination: -90	Total Depth: 1135	Hole No. RS-422	Page 1 of 6
Log'd by: RJK Date: 11/21/97	County: Pershing	Easting: 477,567	Azimuth: —	Elevation: 5,749	Core/Chips(Intervals): 0-1135 RC Chips	

Lucky Boy

Depth (ft.)	GRAPHIC Rock	GRAPHIC Alt/Vn	ROCK Color	ROCK Rock Type	ROCK Grain Size	ROCK Structure (Sed.,Vol.)	PHENOS/LAPILLI/CLASTS %	PHENOS/LAPILLI/CLASTS Size	PHENOS/LAPILLI/CLASTS Shape	PHENOS/LAPILLI/CLASTS Color	PHENOS/LAPILLI/CLASTS Mineral/ Type	ALTERATION Int.	ALTERATION Distrib.	ALTERATION Type	ALTERATION Minerals	VEINS Thick.	VEINS Abund.	VEINS Selvedge	VEINS Minerals	INTERPRETATION Rock Name/ Composition	INTERPRETATION Formation	Comments	Recovery	Assay
			Gray	Volc	Aph															Latite (?)	choc.	Salt & pepper v. fine mafic grains		
			↓																			↓		
20			Gy to Yell																					
			↓																					
			Orange									m	Perv.	Blch	FeOX, Si							Bleached, oxidized, silicif		
												m												
40												s												
			↓									s												
			Gray									s		Blch	Si, PY							Lots of PY, silicif		
												s												
60			↓									s												
			Lt Gy									s			Si, PY, Org									
			↓									s			"									
			Gy									s			Si, PY									
80												s			↓									
			Gy to Brn									m												
			"									m		Blch										
			Brn									w										Brn aph. Volc. rk 1-2 mm alt phenos,		
100																						un-alt'd Plag?		
			Brn to Gy																			massive		
120																								
140																								
160																								
180																								
200																						V.f.G. Salt & pepper granular text. " mostly clay		

Project: ROSEBUD JV	State: Nevada	Northing:	Inclination:	Total Depth:	Hole No. RS-422	Page 2 of 6
Log'd by: RJL Date: 11/21/97	County: Pershing	Easting:	Azimuth:	Elevation:	Core/Chips(Intervals):	

Depth (ft.)	GRAPHIC Rock	GRAPHIC Alt/Vn	ROCK Color	ROCK Rock Type	ROCK Grain Size	ROCK Structure (Sed.,Vol.)	PHENOS/LAPILLI/CLASTS %	PHENOS/LAPILLI/CLASTS Size	PHENOS/LAPILLI/CLASTS Shape	PHENOS/LAPILLI/CLASTS Color	PHENOS/LAPILLI/CLASTS Mineral/ Type	ALTERATION Int.	ALTERATION Distrib.	ALTERATION Type	ALTERATION Minerals	VEINS Thick.	VEINS Abund.	VEINS Selvedge	VEINS Minerals	INTERPRETATION Rock Name/ Composition	INTERPRETATION Formation	Comments	Recovery	Assay
220			Rd, Vm, Gy	VOL	V.f.g.															Latite?	Cluc.	V.f.g. blk/clrk as above		
240												m m s	Perv.	Arg	clay					Lithic Tuff		Poss. lithic tuff chips?		
260				Tuff	Lapilli							s s										— mostly clay Lithic Tuff - clastogenic, Gy o Green		
280																								
300			DK Gm Gy																					
320																								
340																								
360																								
380			DK Gy	VOL	aph															Latite/andes		massive aph. + K. occ'l phenos replaced by calcite		
400																								

Project: ROSEBUD JV	State: Nevada	Northing:	Inclination:	Total Depth:	Hole No. RS-422	Page 3 of 6
Log'd by: RJK Date: 11/21/97	County: Pershing	Easting:	Azimuth:	Elevation:	Core/Chips(Intervals):	

Depth (ft.)	GRAPHIC Rock	GRAPHIC Alt/Vn	ROCK Color	ROCK Rock Type	ROCK Grain Size	ROCK Structure (Sed.,Vol.)	PHENOS/LAPILLI/CLASTS %	Size	Shape	Color	Mineral/ Type	ALTERATION Int.	Distrib.	Type	Minerals	VEINS Thick.	Abund.	Selvedge	Minerals	INTERPRETATION Rock Name/ Composition	Formation	Comments	Recovery	Assay
420			DkGy	Vol	aph.															Latite/andes	Choc	massive aph. vol. MK as above		
440																								
460																								
480																								
500																								
520																								
540																								
560																								
580				Tuff	Lapilli															Tuff		Lithic Tuff Lt Gy w/ clasts in dark brn matrix		
600			Lt tan to brn									S S S	per V.	Blch	-py -py							Bleached out		

Project: ROSEBUD JV	State: Nevada	Northing:	Inclination:	Total Depth:	Hole No. RS-422	Page 4 of 6
Log'd by: R&R Date: 11/21/97	County: Pershing	Easting:	Azimuth:	Elevation:	Core/Chips(Intervals):	

Depth (ft.)	GRAPHIC Rock	GRAPHIC Alt/Vn	ROCK Color	ROCK Rock Type	ROCK Grain Size	ROCK Structure (Sed.,Vol.)	PHENOS/LAPILLI/CLASTS %	PHENOS/LAPILLI/CLASTS Size	PHENOS/LAPILLI/CLASTS Shape	PHENOS/LAPILLI/CLASTS Color	PHENOS/LAPILLI/CLASTS Mineral/ Type	ALTERATION Int.	ALTERATION Distrib.	ALTERATION Type	ALTERATION Minerals	VEINS Thick.	VEINS Abund.	VEINS Selvedge	VEINS Minerals	INTERPRETATION Rock Name/ Composition	INTERPRETATION Formation	Comments	Recovery	Assay
620			Lt Gy	Tuff	Lapilli							St	Perv.	Blch	Py, S[					Tuff		Blched Lithic tuff. Part. Silicif blch. masks most of texture strong py throughout		
640																								
660																								
680			Md Gy ↓																			-nearly all Si & Py		
700			Tan Gy ↓ Lt Gy Tan Gy									m m												
720																								
740			Gray	Vol.	V.f.G.							m								Latite		Salt&Pepper V.f.g. mafics Locally unaltered		
760																								
780																								
800																								

Project: ROSEBUD JV	State: Nevada	Northing:	Inclination:	Total Depth:	Hole No. RS-422	Page 5 of 6
Log'd by: RLK Date: 11-21-97	County: Pershing	Easting:	Azimuth:	Elevation:	Core/Chips(Intervals):	

Depth (ft.)	GRAPHIC Rock	GRAPHIC Alt/Vn	ROCK Color	ROCK Rock Type	ROCK Grain Size	ROCK Structure (Sed.,Vol.)	PHENOS/LAPILLI/CLASTS %	Size	Shape	Color	Mineral/ Type	ALTERATION Int.	Distrib.	Type	Minerals	VEINS Thick.	Abund.	Selvedge	Minerals	INTERPRETATION Rock Name/ Composition	Formation	Comments	Recovery	OPT Au/Ag Assay
			Brn+Gy	Vol	V.f.g.															Lapilli w/ hubl.		Lithol as above		
												W	↑	↑	↑									
820												S	Perv.	Blch	Py							-blch, py		
												W	↓	↓	↓									
840																								
860																								
880																								
900																								
			DK brn to Gy																					
920																								
940																								
			Lt Gy									m	Pervasive	blch	Py							-blch, py, Si		
				↓								m								↓				
960				silica								m			Si, Py					Silica		nearly solid Silica Laced w/ py		
												Str												
980																								
1000																								1000/7.32 .005/2.07

Project: ROSEBUD JV	State: Nevada	Northing:	Inclination:	Total Depth: 1135	Hole No. RS-422	Page 6 of 6
Log'd by: RLK Date: 11-21-97	County: Pershing	Easting:	Azimuth:	Elevation:	Core/Chips(Intervals):	

Depth (ft.)	GRAPHIC Rock	GRAPHIC Alt/Vn	ROCK Color	ROCK Rock Type	ROCK Grain Size	ROCK Structure (Sed.,Vol.)	PHENOS/LAPILLI/CLASTS %	Size	Shape	Color	Mineral/ Type	ALTERATION Int.	Distrib.	Type	Minerals	VEINS Thick.	Abund.	Selvedge	Minerals	INTERPRETATION Rock Name/ Composition	Formation	Comments	Recovery	Opt Au/Ag Assay
1020			Gray	silica								str	Pervasive		Si, Py					Silica		Nearly complete silicif. lots of py poss. dark bleached sulfides, v. f. gr; thin		
1040		△ △	Lt Gray	Vol								m S								Rhyolite?		Part. silicif vol/c.. some phenos visible		
1060												S m m S										~wt clay, py ~5%		.001 / 1.03
1080																						diss. py ~10% in white vol. rk. Tiny dissem qz grains possible		.004 / 1.34
1100												m m										~5% py		
1120																								
1140																						streaked sulf. on slickensides on chips		.001 / 1.64 .002 / 2.00 .003 / 4.85
1160																						T.D. 1135'		
1180																								
1200																								

WELLBORE NAVIGATION, INC.
WINNEMUCCA, NEVADA

GYROSCOPIC DIRECTIONAL SURVEY
BY MINIMUM CURVATURE

FOR

****
* NEWMONT EXPLORATION LTD. *
****

JOB NUMBER: 29-0521-311

WELL NAME: RS-422 / VS 035.00

LOCATION: ROSEBUD MINE

SURVEY DATE: 02/11/98

SURVEY ENGINEER: VERN REID

GYRO REFERENCE BEARING: TRUE NORTH

TIE-ON COORDINATES AT: 0 M.D.
TAKEN FROM: COLLAR

VERTICAL SECTION CALCULATED IN A
PROPOSAL DIRECTION OF: 125.00
WATER CONTACT= 250'

****
****** DEPTH MEASURED IN FEET *******
****

COMMENTS: ** BOART LONGYEAR **
***** MIKE JEX *****

****
****
*** THIS DIRECTIONAL SURVEY REPORT IS ****
** CORRECT TO THE BEST OF MY KNOWLEDGE ***
* AND IS SUPPORTED BY ACTUAL FIELD DATA! *
**
**
**
**
****
****

WELLBORE NAVIGATION, INC.
WINNEMUCCA, NEVADA

JOB NUMBER: 29-0521-311

WELL NAME: RS-422 / VS 035.00

INRUN SURVEY
BY MINIMUM CURVATURE

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R PROP.	INCL HORZ	BEARING AZIMUTH	COORDINATES LATITUDE	COORDINATES DEPARTURE	D-LEG /100	D-LEG /CL	STATION DISPLACEMENT DISP.	STATION DISPLACEMENT DIRECTION	TEMP. DEG F
0.0	0.00	0.00	0.000	-88.75	250.22	0.00 N	0.00 E	0.00		0.00	AT 000.00	
50.0	49.95	-1.25	1.680	-86.45	252.11	0.66 S	1.99 W	4.60	2.30	2.09	AT 251.61	047.93
100.0	99.79	-4.05	4.588	-84.24	263.18	1.43 S	5.95 W	4.75	2.38	6.12	AT 256.46	047.94
150.0	149.44	-8.78	8.018	-82.30	273.37	1.53 S	11.79 W	4.54	2.27	11.89	AT 262.58	048.01
200.0	198.94	-14.78	11.719	-81.49	273.29	1.13 S	18.82 W	1.62	0.81	18.86	AT 266.58	048.01
250.0	248.35	-21.25	15.760	-80.95	272.78	0.72 S	26.45 W	1.09	0.55	26.46	AT 268.44	050.19
300.0	297.74	-27.85	19.973	-81.03	272.12	0.39 S	34.27 W	0.26	0.13	34.27	AT 269.35	049.38
350.0	347.15	-34.28	24.128	-81.36	272.12	0.10 S	41.92 W	0.66	0.33	41.91	AT 269.86	051.61
400.0	396.63	-40.27	28.033	-82.19	271.70	0.14 N	49.07 W	1.66	0.83	49.06	AT 270.16	055.73
450.0	446.21	-45.69	31.634	-82.86	271.03	0.29 N	55.57 W	1.35	0.68	55.57	AT 270.30	058.84
500.0	495.84	-50.74	35.018	-83.16	271.42	0.42 N	61.65 W	0.61	0.30	61.66	AT 270.39	061.18
550.0	545.49	-55.59	38.269	-83.43	270.88	0.54 N	67.49 W	0.55	0.28	67.49	AT 270.46	063.03
600.0	595.17	-60.24	41.495	-83.58	269.57	0.56 N	73.14 W	0.42	0.21	73.15	AT 270.44	064.90
650.0	644.87	-64.77	44.669	-83.72	270.39	0.56 N	78.67 W	0.33	0.17	78.68	AT 270.41	066.56
700.0	694.57	-69.31	47.700	-83.73	272.23	0.68 N	84.14 W	0.40	0.20	84.14	AT 270.47	068.10
750.0	744.27	-73.88	50.731	-83.68	270.64	0.82 N	89.62 W	0.36	0.18	89.62	AT 270.52	069.34
800.0	793.97	-78.30	53.878	-83.86	268.40	0.78 N	95.04 W	0.61	0.30	95.05	AT 270.47	070.83
850.0	843.68	-82.70	56.999	-83.75	270.90	0.74 N	100.44 W	0.58	0.29	100.44	AT 270.42	072.19
900.0	893.36	-87.46	60.050	-83.25	273.73	0.98 N	106.09 W	1.19	0.59	106.09	AT 270.53	073.67
950.0	943.02	-92.48	62.975	-83.41	275.80	1.46 N	111.88 W	0.58	0.29	111.89	AT 270.75	075.40
1000.0	992.66	-97.66	65.926	-82.89	274.91	2.01 N	117.81 W	1.06	0.53	117.83	AT 270.98	077.04
1050.0	1042.30	-103.04	68.614	-83.27	282.18	2.90 N	123.76 W	1.91	0.95	123.80	AT 271.34	079.70
1100.0	1091.96	-108.54	70.517	-83.33	289.70	4.49 N	129.36 W	1.76	0.88	129.44	AT 271.99	081.76
1150.0	1141.63	-114.08	72.050	-83.47	289.35	6.41 N	134.78 W	0.29	0.15	134.93	AT 272.72	084.08
1200.0	1191.30	-119.54	73.712	-83.42	286.78	8.18 N	140.20 W	0.59	0.30	140.44	AT 273.34	084.98
1250.0	1240.97	-124.99	75.397	-83.47	288.88	9.93 N	145.63 W	0.49	0.24	145.97	AT 273.90	085.96
1300.0	1290.65	-130.40	77.056	-83.53	287.03	11.68 N	151.02 W	0.43	0.22	151.47	AT 274.42	087.79
1350.0	1340.34	-135.74	78.778	-83.58	287.24	13.33 N	156.38 W	0.11	0.06	156.95	AT 274.87	089.59
1400.0	1390.00	-141.25	80.556	-83.14	286.94	15.03 N	161.91 W	0.88	0.44	162.60	AT 275.30	091.71
1450.0	1439.64	-146.95	82.417	-83.08	286.91	16.77 N	167.65 W	0.12	0.06	168.48	AT 275.71	093.86
1500.0	1489.28	-152.58	84.356	-83.23	285.09	18.42 N	173.37 W	0.53	0.26	174.35	AT 276.06	095.01
1550.0	1538.93	-158.16	86.272	-83.23	286.99	20.04 N	179.04 W	0.45	0.22	180.16	AT 276.39	096.54
1600.0	1588.59	-163.74	88.096	-83.27	286.84	21.75 N	184.66 W	0.09	0.04	185.94	AT 276.72	097.90
1650.0	1638.23	-169.35	90.097	-83.05	283.93	23.33 N	190.40 W	0.82	0.41	191.82	AT 276.99	099.23
1700.0	1687.86	-174.98	92.332	-83.04	282.73	24.73 N	196.29 W	0.29	0.14	197.84	AT 277.18	100.71
1750.0	1737.50	-180.61	94.542	-83.06	284.42	26.15 N	202.17 W	0.41	0.21	203.86	AT 277.37	101.68
1800.0	1787.14	-186.21	96.657	-83.19	284.17	27.63 N	207.97 W	0.27	0.13	209.80	AT 277.57	103.13

WELLBORE NAVIGATION, INC.
WINNEMUCCA, NEVADA

JOB NUMBER: 29-0521-311 WELL NAME: RS-422 / VS 035.00

INRUN SURVEY
BY MINIMUM CURVATURE

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R PROP.	INCL HORZ	BEARING AZIMUTH	COORDINATES LATITUDE	COORDINATES DEPARTURE	D-LEG /100	D-LEG /CL	STATION DISP.	DISPLACEMENT DIRECTION	TEMP. DEG F
1850.0	1836.79	-191.69	98.779	-83.31	283.49	29.03 N	213.68 W	0.29	0.14	215.64	AT 277.74	104.34
1900.0	1886.46	-197.04	100.869	-83.48	283.91	30.39 N	219.26 W	0.35	0.18	221.36	AT 277.89	106.05
1950.0	1936.13	-202.36	102.951	-83.40	283.35	31.74 N	224.82 W	0.20	0.10	227.05	AT 278.04	106.98
2000.0	1985.80	-207.70	105.163	-83.33	281.62	32.99 N	230.46 W	0.42	0.21	232.81	AT 278.15	108.50
2050.0	2035.47	-212.91	107.446	-83.61	281.02	34.10 N	236.03 W	0.58	0.29	238.48	AT 278.22	109.78
2100.0	2085.15	-217.99	109.874	-83.45	277.96	35.03 N	241.59 W	0.76	0.38	244.11	AT 278.25	111.71
2150.0	2134.83	-223.05	112.507	-83.45	277.04	35.77 N	247.24 W	0.21	0.11	249.82	AT 278.23	113.02
2200.0	2184.51	-228.05	115.173	-83.53	276.85	36.46 N	252.87 W	0.17	0.08	255.48	AT 278.20	114.47
2250.0	2234.19	-232.87	117.988	-83.64	272.56	36.92 N	258.43 W	0.98	0.49	261.06	AT 278.13	115.95
2300.0	2283.88	-237.59	121.006	-83.49	272.26	37.16 N	264.03 W	0.31	0.15	266.63	AT 278.01	116.21
2350.0	2333.56	-242.35	124.082	-83.50	271.96	37.36 N	269.69 W	0.07	0.04	272.27	AT 277.89	116.18
2380.0	2363.37	-245.21	125.823	-83.69	275.36	37.58 N	273.03 W	1.41	0.42	275.61	AT 277.84	116.11

```
*************************************************************
*                         ********                          *
*      THE HORIZONTAL DISPLACEMENT AT THE DEPTH OF          *
*                         ********                          *
*  2380.0 FEET EQUALS   275.61   FEET AT  277.84            *
*                         ********                          *
*************************************************************
```

WELLBORE NAVIGATION, INC.
WINNEMUCCA, NEVADA

GYROSCOPIC DIRECTIONAL SURVEY
BY MINIMUM CURVATURE

FOR

****
* NEWMONT EXPLORATION LTD. *
****

JOB NUMBER: 29-0521-311

WELL NAME: RS-422

LOCATION: ROSEBUD MINE

SURVEY DATE: 02/11/98

SURVEY ENGINEER: VERN REID

GYRO REFERENCE BEARING: TRUE NORTH

TIE-ON COORDINATES AT: 0 M.D.
TAKEN FROM: COLLAR
WATER CONTACT= 250'

****
****** DEPTH MEASURED IN FEET *******
****

COMMENTS: ** BOART LONGYEAR **
***** MIKE JEX *****

****
****
*** THIS DIRECTIONAL SURVEY REPORT IS ****
** CORRECT TO THE BEST OF MY KNOWLEDGE ***
* AND IS SUPPORTED BY ACTUAL FIELD DATA! *
**
**
** **********
** COMPANY REPRESENTATIVE **
****
****

WELLBORE NAVIGATION, INC.
WINNEMUCCA, NEVADA

JOB NUMBER: 29-0521-311 WELL NAME: RS-422

INRUN SURVEY
BY MINIMUM CURVATURE

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R CLOS.	INCL HORZ	BEARING AZIMUTH	COORDINATES LATITUDE	COORDINATES DEPARTURE	D-LEG /100	D-LEG /CL	STATION DISPLACEMENT DISP.	STATION DISPLACEMENT DIRECTION	TEMP. DEG F
0.0	0.00	0.00	0.000	-88.75	250.22	0.00 N	0.00 E	0.00		0.00	AT 000.00	
50.0	49.95	1.88	-0.925	-86.45	252.11	0.66 S	1.99 W	4.60	2.30	2.09	AT 251.61	047.93
100.0	99.79	5.70	-2.232	-84.24	263.18	1.43 S	5.95 W	4.75	2.38	6.12	AT 256.46	047.94
150.0	149.44	11.47	-3.128	-82.30	273.37	1.53 S	11.79 W	4.54	2.27	11.89	AT 262.58	048.01
200.0	198.94	18.50	-3.682	-81.49	273.29	1.13 S	18.82 W	1.62	0.81	18.86	AT 266.58	048.01
250.0	248.35	26.10	-4.323	-80.95	272.78	0.72 S	26.45 W	1.09	0.55	26.46	AT 268.44	050.19
300.0	297.74	33.90	-5.058	-81.03	272.12	0.39 S	34.27 W	0.26	0.13	34.27	AT 269.35	049.38
350.0	347.15	41.51	-5.821	-81.36	272.12	0.10 S	41.92 W	0.66	0.33	41.91	AT 269.86	051.61
400.0	396.63	48.63	-6.559	-82.19	271.70	0.14 N	49.07 W	1.66	0.83	49.06	AT 270.16	055.73
450.0	446.21	55.09	-7.291	-82.86	271.03	0.29 N	55.57 W	1.35	0.68	55.57	AT 270.30	058.84
500.0	495.84	61.13	-7.993	-83.16	271.42	0.42 N	61.65 W	0.61	0.30	61.66	AT 270.39	061.18
550.0	545.49	66.93	-8.673	-83.43	270.88	0.54 N	67.49 W	0.55	0.28	67.49	AT 270.46	063.03
600.0	595.17	72.54	-9.422	-83.58	269.57	0.56 N	73.14 W	0.42	0.21	73.15	AT 270.44	064.90
650.0	644.87	78.02	-10.179	-83.72	270.39	0.56 N	78.67 W	0.33	0.17	78.68	AT 270.41	066.56
700.0	694.57	83.44	-10.800	-83.73	272.23	0.68 N	84.14 W	0.40	0.20	84.14	AT 270.47	068.10
750.0	744.27	88.89	-11.412	-83.68	270.64	0.82 N	89.62 W	0.36	0.18	89.62	AT 270.52	069.34
800.0	793.97	94.26	-12.196	-83.86	268.40	0.78 N	95.04 W	0.61	0.30	95.05	AT 270.47	070.83
850.0	843.68	99.60	-12.963	-83.75	270.90	0.74 N	100.44 W	0.58	0.29	100.44	AT 270.42	072.19
900.0	893.36	105.23	-13.503	-83.25	273.73	0.98 N	106.09 W	1.19	0.59	106.09	AT 270.53	073.67
950.0	943.02	111.03	-13.816	-83.41	275.80	1.46 N	111.88 W	0.58	0.29	111.89	AT 270.75	075.40
1000.0	992.66	116.99	-14.076	-82.89	274.91	2.01 N	117.81 W	1.06	0.53	117.83	AT 270.98	077.04
1050.0	1042.30	123.00	-14.013	-83.27	282.18	2.90 N	123.76 W	1.91	0.95	123.80	AT 271.34	079.70
1100.0	1091.96	128.76	-13.194	-83.33	289.70	4.49 N	129.36 W	1.76	0.88	129.44	AT 271.99	081.76
1150.0	1141.63	134.39	-12.030	-83.47	289.35	6.41 N	134.78 W	0.29	0.15	134.93	AT 272.72	084.08
1200.0	1191.30	140.01	-11.017	-83.42	286.78	8.18 N	140.20 W	0.59	0.30	140.44	AT 273.34	084.98
1250.0	1240.97	145.63	-10.028	-83.47	288.88	9.93 N	145.63 W	0.49	0.24	145.97	AT 273.90	085.96
1300.0	1290.65	151.20	-9.033	-83.53	287.03	11.68 N	151.02 W	0.43	0.22	151.47	AT 274.42	087.79
1350.0	1340.34	156.74	-8.127	-83.58	287.24	13.33 N	156.38 W	0.11	0.06	156.95	AT 274.87	089.59
1400.0	1390.00	162.44	-7.198	-83.14	286.94	15.03 N	161.91 W	0.88	0.44	162.60	AT 275.30	091.71
1450.0	1439.64	168.37	-6.251	-83.08	286.91	16.77 N	167.65 W	0.12	0.06	168.48	AT 275.71	093.86
1500.0	1489.28	174.26	-5.405	-83.23	285.09	18.42 N	173.37 W	0.53	0.26	174.35	AT 276.06	095.01
1550.0	1538.94	180.10	-4.564	-83.23	286.99	20.04 N	179.04 W	0.45	0.22	180.16	AT 276.39	096.54
1600.0	1588.59	185.90	-3.637	-83.27	286.84	21.75 N	184.66 W	0.09	0.04	185.94	AT 276.72	097.90
1650.0	1638.23	191.80	-2.858	-83.05	283.93	23.33 N	190.40 W	0.82	0.41	191.82	AT 276.99	099.23
1700.0	1687.86	197.83	-2.279	-83.04	282.73	24.73 N	196.29 W	0.29	0.14	197.84	AT 277.18	100.71
1750.0	1737.50	203.85	-1.674	-83.06	284.42	26.15 N	202.17 W	0.41	0.21	203.86	AT 277.37	101.68
1800.0	1787.14	209.80	-1.001	-83.19	284.17	27.63 N	207.97 W	0.27	0.13	209.80	AT 277.57	103.13

WELLBORE NAVIGATION, INC.
WINNEMUCCA, NEVADA

JOB NUMBER: 29-0521-311 WELL NAME: RS-422

INRUN SURVEY
BY MINIMUM CURVATURE

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R CLOS.	INCL HORZ	BEARING AZIMUTH	COORDINATES LATITUDE	COORDINATES DEPARTURE	D-LEG /100	D-LEG /CL	STATION DISP.	DISPLACEMENT DIRECTION	TEMP. DEG F
1850.0	1836.79	215.64	-0.387	-83.31	283.49	29.03 N	213.68 W	0.29	0.14	215.64	AT 277.74	104.34
1900.0	1886.46	221.36	0.199	-83.48	283.91	30.39 N	219.26 W	0.35	0.18	221.36	AT 277.89	106.05
1950.0	1936.13	227.04	0.775	-83.40	283.35	31.74 N	224.82 W	0.20	0.10	227.05	AT 278.04	106.98
2000.0	1985.80	232.80	1.243	-83.33	281.62	32.99 N	230.46 W	0.42	0.21	232.81	AT 278.15	108.50
2050.0	2035.47	238.48	1.588	-83.61	281.02	34.10 N	236.03 W	0.58	0.29	238.48	AT 278.22	109.78
2100.0	2085.15	244.11	1.749	-83.45	277.96	35.03 N	241.59 W	0.76	0.38	244.11	AT 278.25	111.71
2150.0	2134.83	249.81	1.714	-83.45	277.04	35.77 N	247.24 W	0.21	0.11	249.82	AT 278.23	113.02
2200.0	2184.51	255.48	1.626	-83.53	276.85	36.46 N	252.87 W	0.17	0.08	255.48	AT 278.20	114.47
2250.0	2234.19	261.05	1.323	-83.64	272.56	36.92 N	258.43 W	0.98	0.49	261.06	AT 278.13	115.95
2300.0	2283.88	266.63	0.792	-83.49	272.26	37.16 N	264.03 W	0.31	0.15	266.63	AT 278.01	116.21
2350.0	2333.56	272.27	0.227	-83.50	271.96	37.36 N	269.69 W	0.07	0.04	272.27	AT 277.89	116.18
2380.0	2363.37	275.60	-0.018	-83.69	275.36	37.58 N	273.03 W	1.41	0.42	275.61	AT 277.84	116.11

```
*************************************************************
*                         ********                          *
*      THE HORIZONTAL DISPLACEMENT AT THE DEPTH OF          *
*                         ********                          *
*  2380.0 FEET EQUALS    275.61    FEET AT   277.84         *
*                         ********                          *
*************************************************************
```

WELLBORE NAVIGATION, INC.
WINNEMUCCA, NEVADA

GYROSCOPIC DIRECTIONAL SURVEY
BY MINIMUM CURVATURE

FOR

****
* NEWMONT EXPLORATION LTD. *
****

JOB NUMBER: 29-0521-311

WELL NAME: RS-422 / VS 305.00

LOCATION: ROSEBUD MINE

SURVEY DATE: 02/11/98

SURVEY ENGINEER: VERN REID

GYRO REFERENCE BEARING: TRUE NORTH

TIE-ON COORDINATES AT: 0 M.D.
TAKEN FROM: COLLAR

VERTICAL SECTION CALCULATED IN A
PROPOSAL DIRECTION OF: 035.00
WATER CONTACT= 250'

****
****** DEPTH MEASURED IN FEET *******
****

COMMENTS: ** BOART LONGYEAR **
***** MIKE JEX *****

****
****
*** THIS DIRECTIONAL SURVEY REPORT IS ****
** CORRECT TO THE BEST OF MY KNOWLEDGE ***
* AND IS SUPPORTED BY ACTUAL FIELD DATA! *
**
**
**
**
****
****

****
COMPANY REPRESENTATIVE

WELLBORE NAVIGATION, INC.
WINNEMUCCA, NEVADA

JOB NUMBER: 29-0521-311 WELL NAME: RS-422 / VS 305.00

INRUN SURVEY
BY MINIMUM CURVATURE

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R PROP.	INCL HORZ	BEARING AZIMUTH	COORDINATES LATITUDE	COORDINATES DEPARTURE	D-LEG /100	D-LEG /CL	STATION DISP.	DISPLACEMENT DIRECTION	TEMP. DEG F
0.0	0.00	0.00	0.000	-88.75	250.22	0.00 N	0.00 E	0.00		0.00	AT 000.00	
50.0	49.95	-1.68	-1.249	-86.45	252.11	0.66 S	1.99 W	4.60	2.30	2.09	AT 251.61	047.93
100.0	99.79	-4.59	-4.053	-84.24	263.18	1.43 S	5.95 W	4.75	2.38	6.12	AT 256.46	047.94
150.0	149.44	-8.02	-8.776	-82.30	273.37	1.53 S	11.79 W	4.54	2.27	11.89	AT 262.58	048.01
200.0	198.94	-11.72	-14.775	-81.49	273.29	1.13 S	18.82 W	1.62	0.81	18.86	AT 266.58	048.01
250.0	248.35	-15.76	-21.249	-80.95	272.78	0.72 S	26.45 W	1.09	0.55	26.46	AT 268.44	050.19
300.0	297.74	-19.97	-27.850	-81.03	272.12	0.39 S	34.27 W	0.26	0.13	34.27	AT 269.35	049.38
350.0	347.15	-24.13	-34.277	-81.36	272.12	0.10 S	41.92 W	0.66	0.33	41.91	AT 269.86	051.61
400.0	396.63	-28.03	-40.271	-82.19	271.70	0.14 N	49.07 W	1.66	0.83	49.06	AT 270.16	055.73
450.0	446.21	-31.63	-45.687	-82.86	271.03	0.29 N	55.57 W	1.35	0.68	55.57	AT 270.30	058.84
500.0	495.84	-35.02	-50.744	-83.16	271.42	0.42 N	61.65 W	0.61	0.30	61.66	AT 270.39	061.18
550.0	545.49	-38.27	-55.593	-83.43	270.88	0.54 N	67.49 W	0.55	0.28	67.49	AT 270.46	063.03
600.0	595.17	-41.49	-60.238	-83.58	269.57	0.56 N	73.14 W	0.42	0.21	73.15	AT 270.44	064.90
650.0	644.87	-44.67	-64.767	-83.72	270.39	0.56 N	78.67 W	0.33	0.17	78.68	AT 270.41	066.56
700.0	694.57	-47.70	-69.313	-83.73	272.23	0.68 N	84.14 W	0.40	0.20	84.14	AT 270.47	068.10
750.0	744.27	-50.73	-73.881	-83.68	270.64	0.82 N	89.62 W	0.36	0.18	89.62	AT 270.52	069.34
800.0	793.97	-53.88	-78.299	-83.86	268.40	0.78 N	95.04 W	0.61	0.30	95.05	AT 270.47	070.83
850.0	843.68	-57.00	-82.700	-83.75	270.90	0.74 N	100.44 W	0.58	0.29	100.44	AT 270.42	072.19
900.0	893.36	-60.05	-87.465	-83.25	273.73	0.98 N	106.09 W	1.19	0.59	106.09	AT 270.53	073.67
950.0	943.02	-62.97	-92.481	-83.41	275.80	1.46 N	111.88 W	0.58	0.29	111.89	AT 270.75	075.40
1000.0	992.66	-65.93	-97.663	-82.89	274.91	2.01 N	117.81 W	1.06	0.53	117.83	AT 270.98	077.04
1050.0	1042.30	-68.61	-103.041	-83.27	282.18	2.90 N	123.76 W	1.91	0.95	123.80	AT 271.34	079.70
1100.0	1091.96	-70.52	-108.542	-83.33	289.70	4.49 N	129.36 W	1.76	0.88	129.44	AT 271.99	081.76
1150.0	1141.63	-72.05	-114.081	-83.47	289.35	6.41 N	134.78 W	0.29	0.15	134.93	AT 272.72	084.08
1200.0	1191.30	-73.71	-119.539	-83.42	286.78	8.18 N	140.20 W	0.59	0.30	140.44	AT 273.34	084.98
1250.0	1240.97	-75.40	-124.992	-83.47	288.88	9.93 N	145.63 W	0.49	0.24	145.97	AT 273.90	085.96
1300.0	1290.65	-77.06	-130.403	-83.53	287.03	11.68 N	151.02 W	0.43	0.22	151.47	AT 274.42	087.79
1350.0	1340.34	-78.78	-135.745	-83.58	287.24	13.33 N	156.38 W	0.11	0.06	156.95	AT 274.87	089.59
1400.0	1390.00	-80.56	-141.246	-83.14	286.94	15.03 N	161.91 W	0.88	0.44	162.60	AT 275.30	091.71
1450.0	1439.64	-82.42	-146.948	-83.08	286.91	16.77 N	167.65 W	0.12	0.06	168.48	AT 275.71	093.86
1500.0	1489.28	-84.36	-152.582	-83.23	285.09	18.42 N	173.37 W	0.53	0.26	174.35	AT 276.06	095.01
1550.0	1538.93	-86.27	-158.156	-83.23	286.99	20.04 N	179.04 W	0.45	0.22	180.16	AT 276.39	096.54
1600.0	1588.59	-88.10	-163.742	-83.27	286.84	21.75 N	184.66 W	0.09	0.04	185.94	AT 276.72	097.90
1650.0	1638.23	-90.10	-169.349	-83.05	283.93	23.33 N	190.40 W	0.82	0.41	191.82	AT 276.99	099.23
1700.0	1687.86	-92.33	-174.975	-83.04	282.73	24.73 N	196.29 W	0.29	0.14	197.84	AT 277.18	100.71
1750.0	1737.50	-94.54	-180.607	-83.06	284.42	26.15 N	202.17 W	0.41	0.21	203.86	AT 277.37	101.68
1800.0	1787.14	-96.66	-186.205	-83.19	284.17	27.63 N	207.97 W	0.27	0.13	209.80	AT 277.57	103.13

WELLBORE NAVIGATION, INC.
WINNEMUCCA, NEVADA

JOB NUMBER: 29-0521-311 WELL NAME: RS-422 / VS 305.00

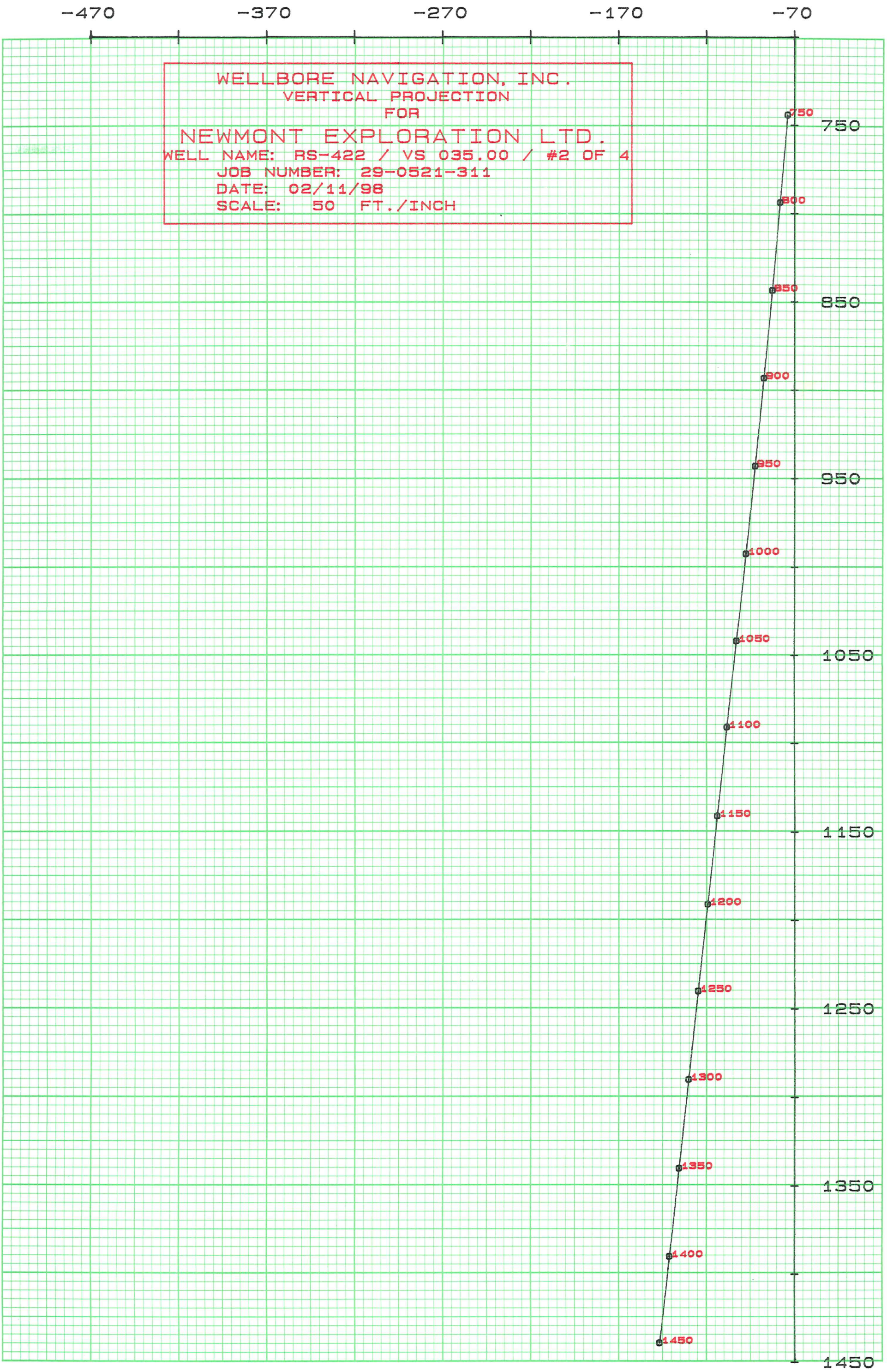
INRUN SURVEY
BY MINIMUM CURVATURE

MEAS. DEPTH	VERT. DEPTH	VERT. SECT.	L/R PROP.	INCL HORZ	BEARING AZIMUTH	COORDINATES LATITUDE	COORDINATES DEPARTURE	D-LEG /100	D-LEG /CL	STATION DISP.	DISPLACEMENT DIRECTION	TEMP. DEG F
1850.0	1836.79	-98.78	-191.686	-83.31	283.49	29.03 N	213.68 W	0.29	0.14	215.64	AT 277.74	104.34
1900.0	1886.46	-100.87	-197.044	-83.48	283.91	30.39 N	219.26 W	0.35	0.18	221.36	AT 277.89	106.05
1950.0	1936.13	-102.95	-202.363	-83.40	283.35	31.74 N	224.82 W	0.20	0.10	227.05	AT 278.04	106.98
2000.0	1985.80	-105.16	-207.699	-83.33	281.62	32.99 N	230.46 W	0.42	0.21	232.81	AT 278.15	108.50
2050.0	2035.47	-107.45	-212.907	-83.61	281.02	34.10 N	236.03 W	0.58	0.29	238.48	AT 278.22	109.78
2100.0	2085.15	-109.87	-217.989	-83.45	277.96	35.03 N	241.59 W	0.76	0.38	244.11	AT 278.25	111.71
2150.0	2134.83	-112.51	-223.048	-83.45	277.04	35.77 N	247.24 W	0.21	0.11	249.82	AT 278.23	113.02
2200.0	2184.51	-115.17	-228.051	-83.53	276.85	36.46 N	252.87 W	0.17	0.08	255.48	AT 278.20	114.47
2250.0	2234.19	-117.99	-232.872	-83.64	272.56	36.92 N	258.43 W	0.98	0.49	261.06	AT 278.13	115.95
2300.0	2283.88	-121.01	-237.593	-83.49	272.26	37.16 N	264.03 W	0.31	0.15	266.63	AT 278.01	116.21
2350.0	2333.56	-124.08	-242.350	-83.50	271.96	37.36 N	269.69 W	0.07	0.04	272.27	AT 277.89	116.18
2380.0	2363.37	-125.82	-245.206	-83.69	275.36	37.58 N	273.03 W	1.41	0.42	275.61	AT 277.84	116.11

```
*************************************************************
*                          ********                         *
*      THE HORIZONTAL DISPLACEMENT AT THE DEPTH OF          *
*                          ********                         *
*  2380.0 FEET EQUALS    275.61    FEET AT   277.84         *
*                          ********                         *
*************************************************************
```

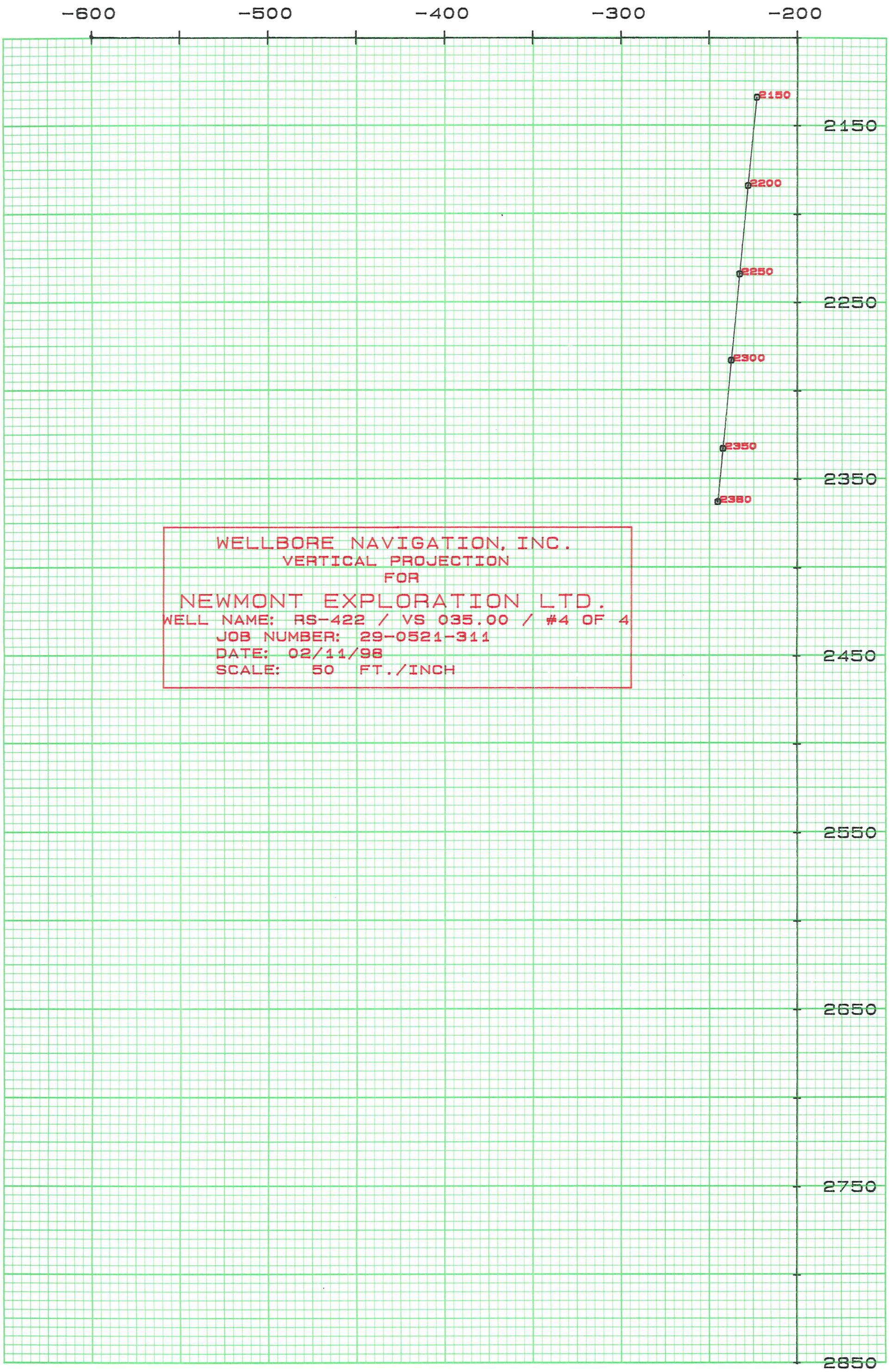
STARLIGHT PRINTING (801) 467-2841

STARLIGHT PRINTING (801) 467-2841

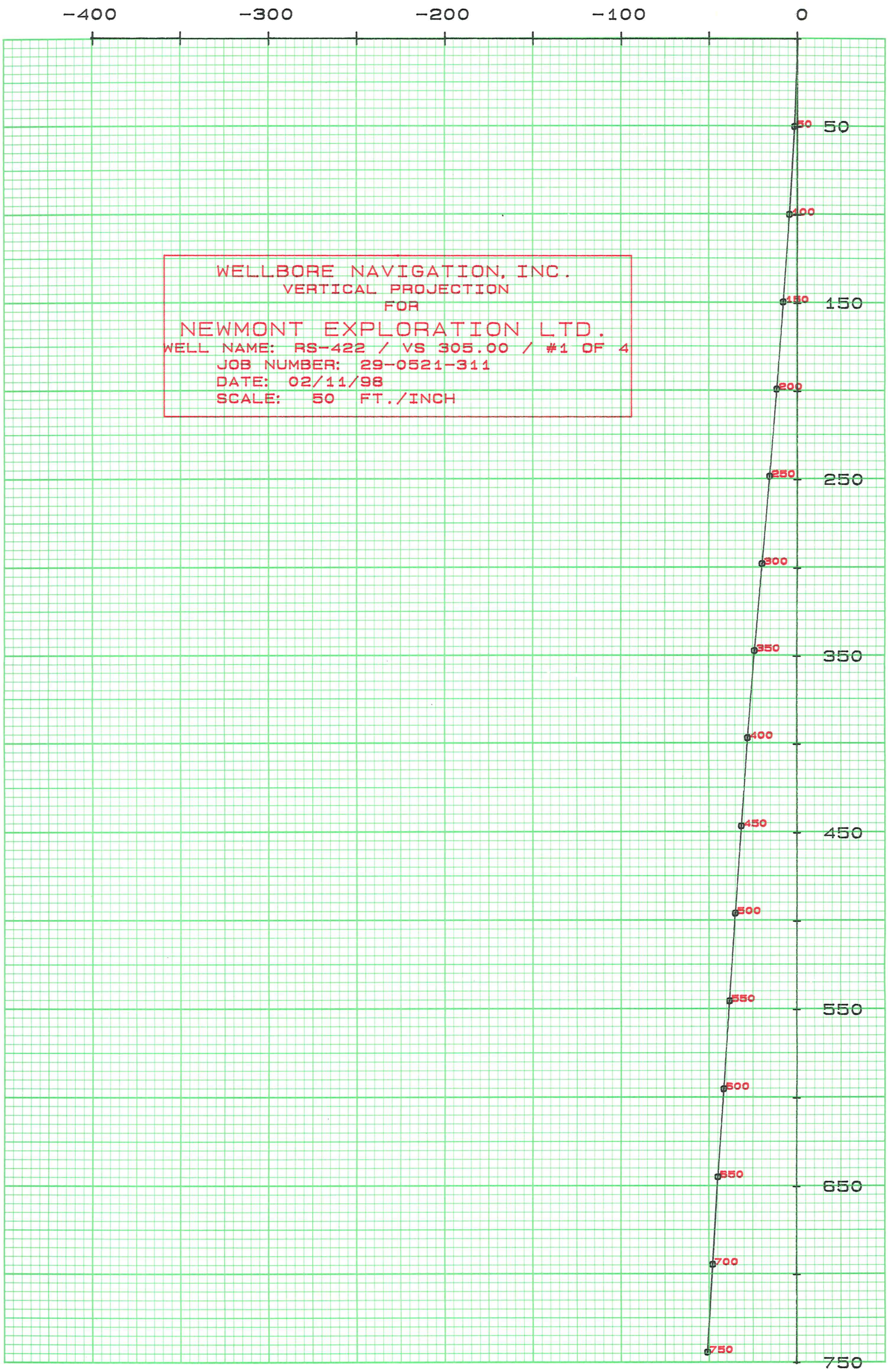


STARLIGHT PRINTING (801) 467-2841

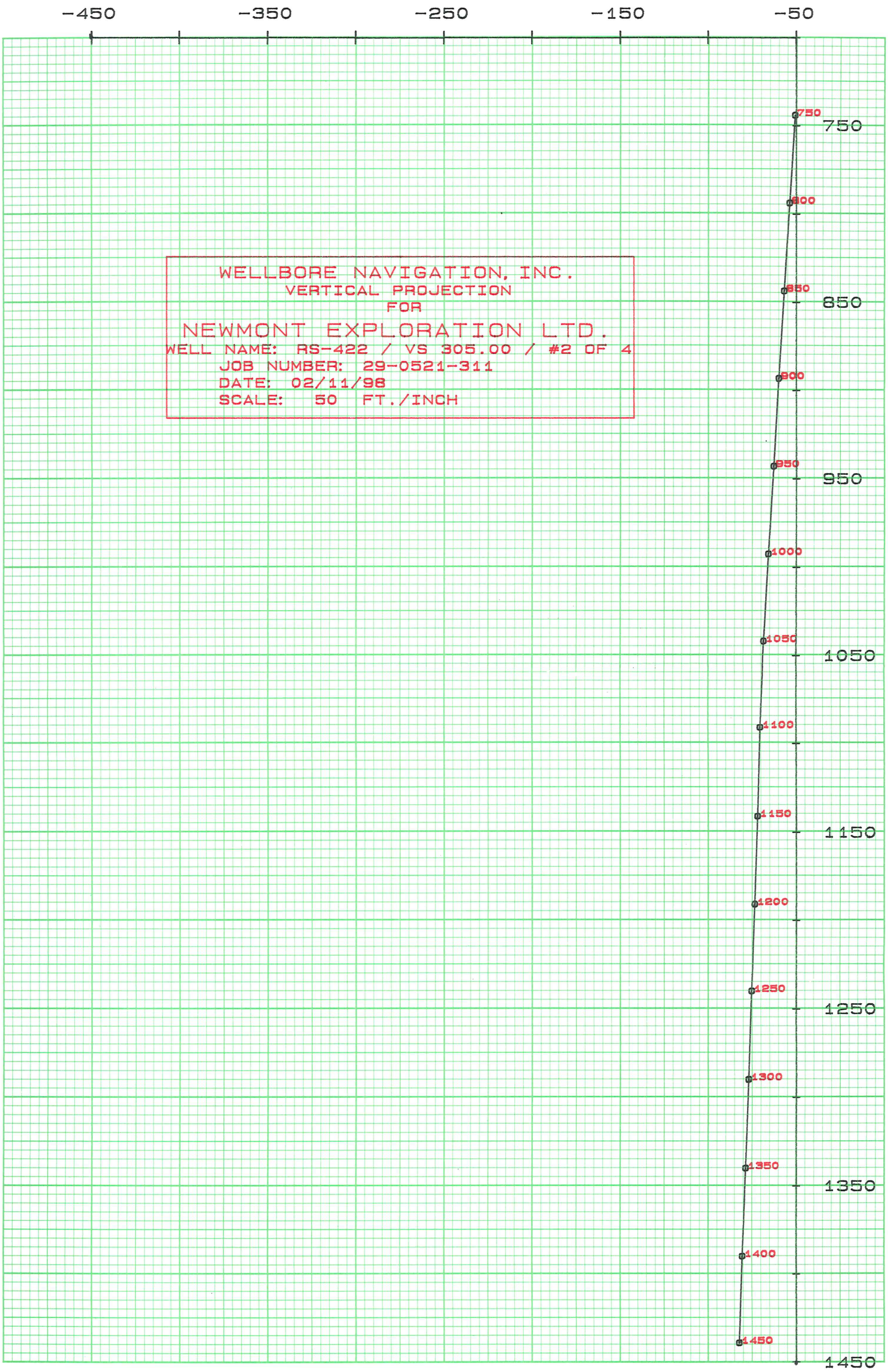
STARLIGHT PRINTING (801) 467-2841



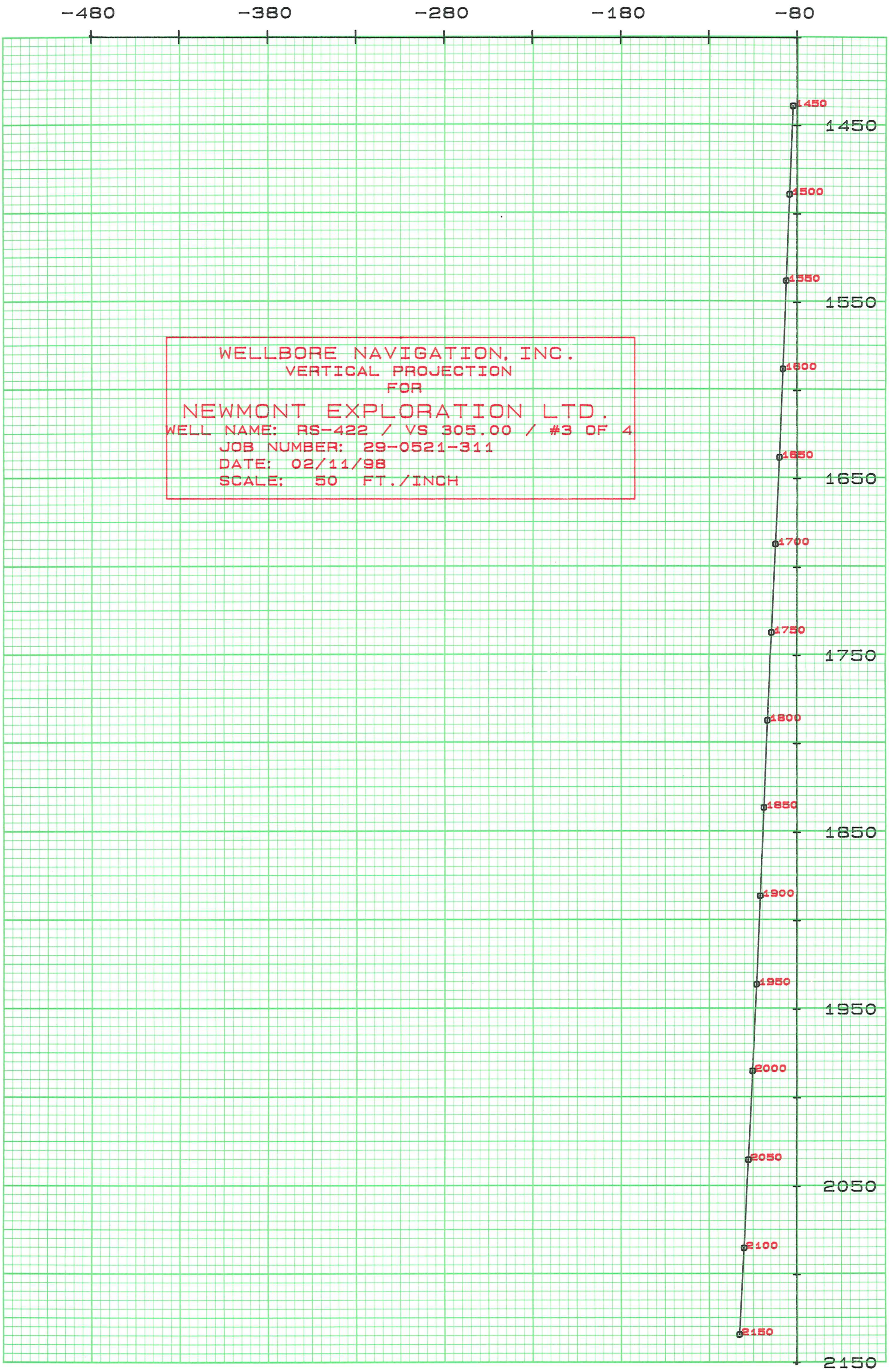
STARLIGHT PRINTING (801) 467-2841



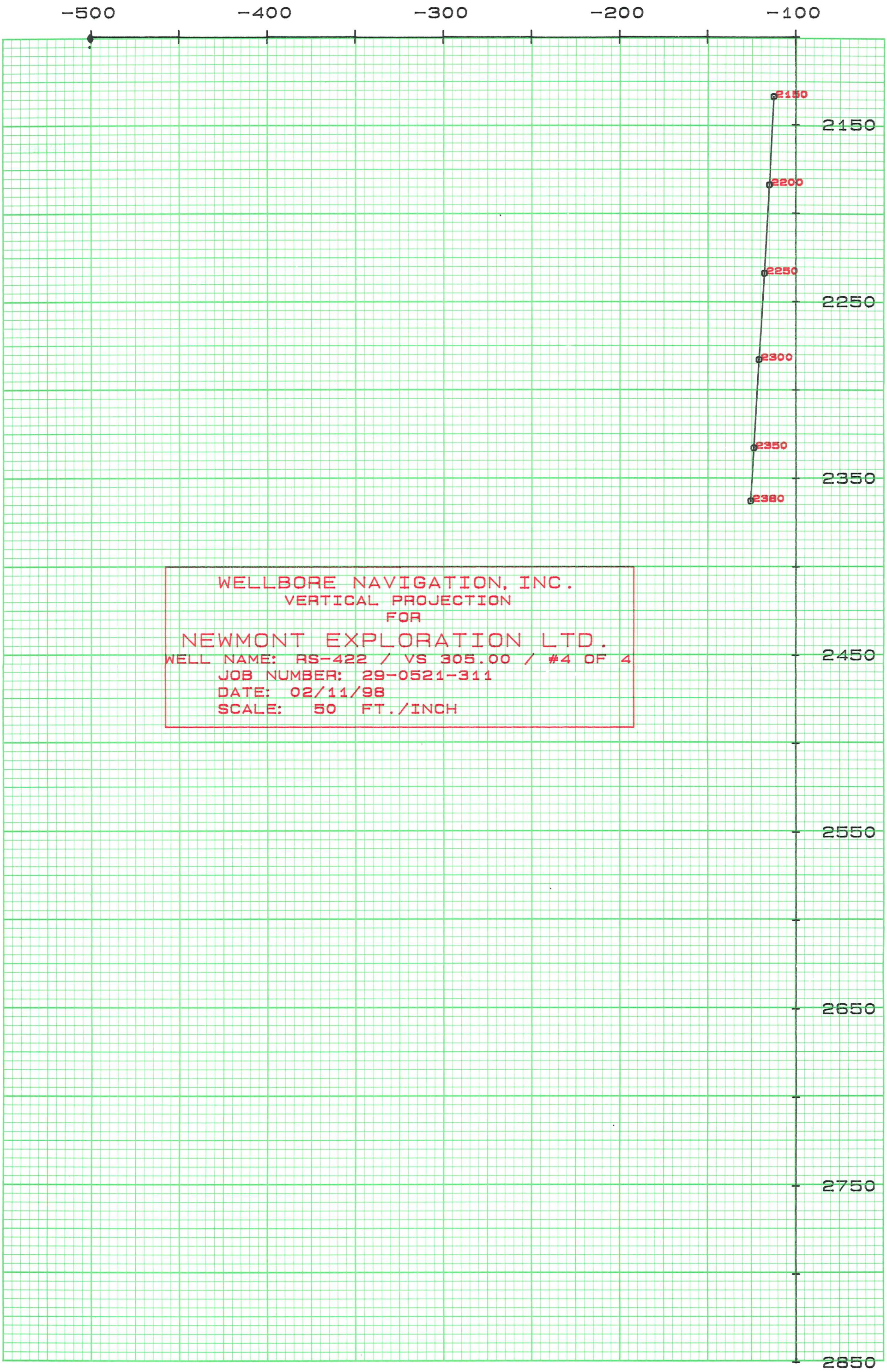
STARLIGHT PRINTING (801) 467-2841

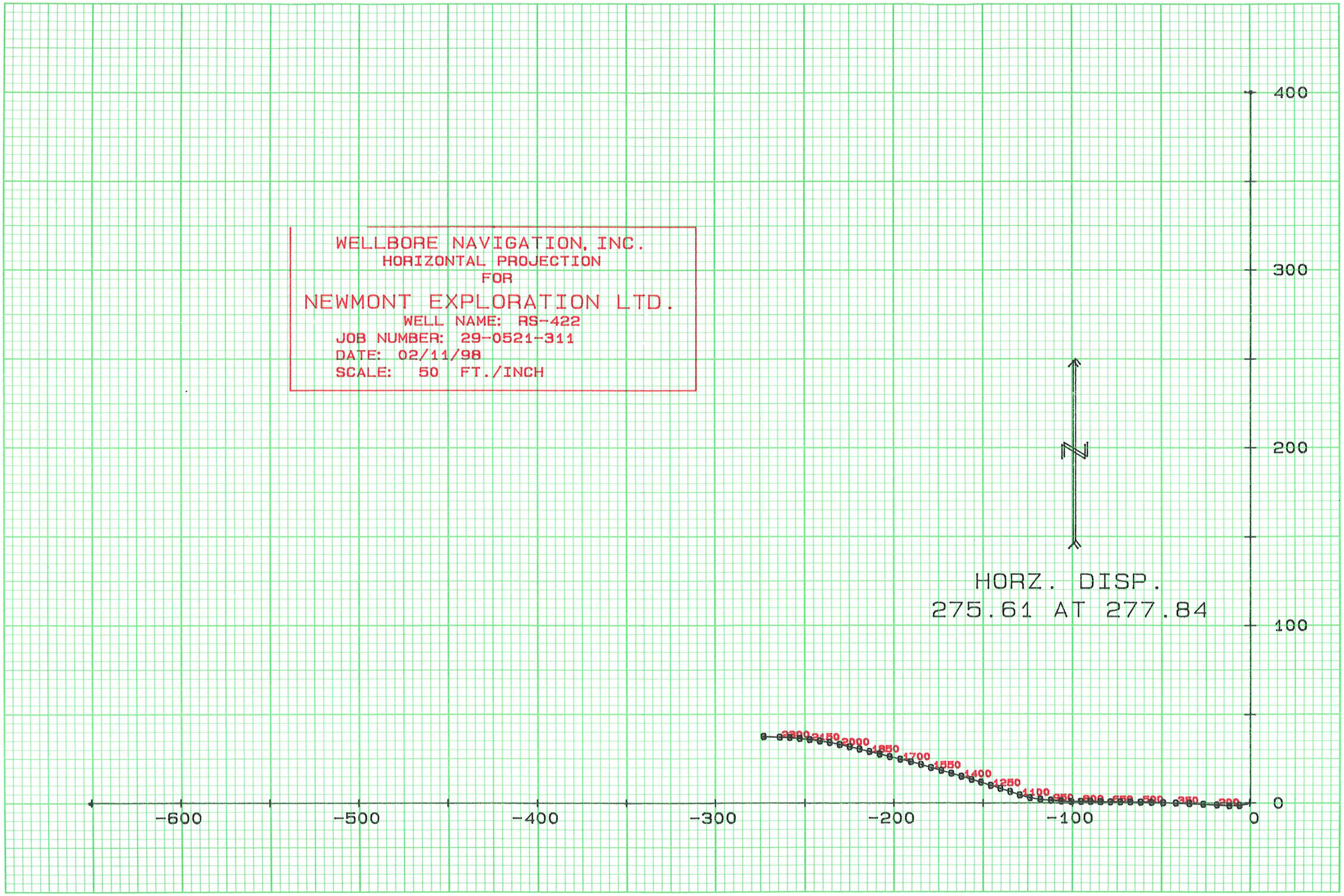


STARLIGHT PRINTING (801) 467-2841



STARLIGHT PRINTING (801) 467-2841





STARLIGHT PRINTING (801) 467-2841

11/22/93

Rosebud Exploration

CORE CUTTING, SAMPLE NUMBER and FOOTAGE LOG

Sheet 1 of ____

Hole # RS-422

Geologist R. VAnce

Sample # ____

Date Started ____

Date Finished ____

Date to Lab ____

From	To
1130	1133
1133	1136
1136	1139
1139	1143
1143	1147
1147	1151
1151	1155
1155	1159
1159	1163
1163	1167
1167	1171
1171	1175
1175	1180
1180	1185
1185	1188
1188	1192
1192	1197
1197	1202
1202	1207
1207	1212

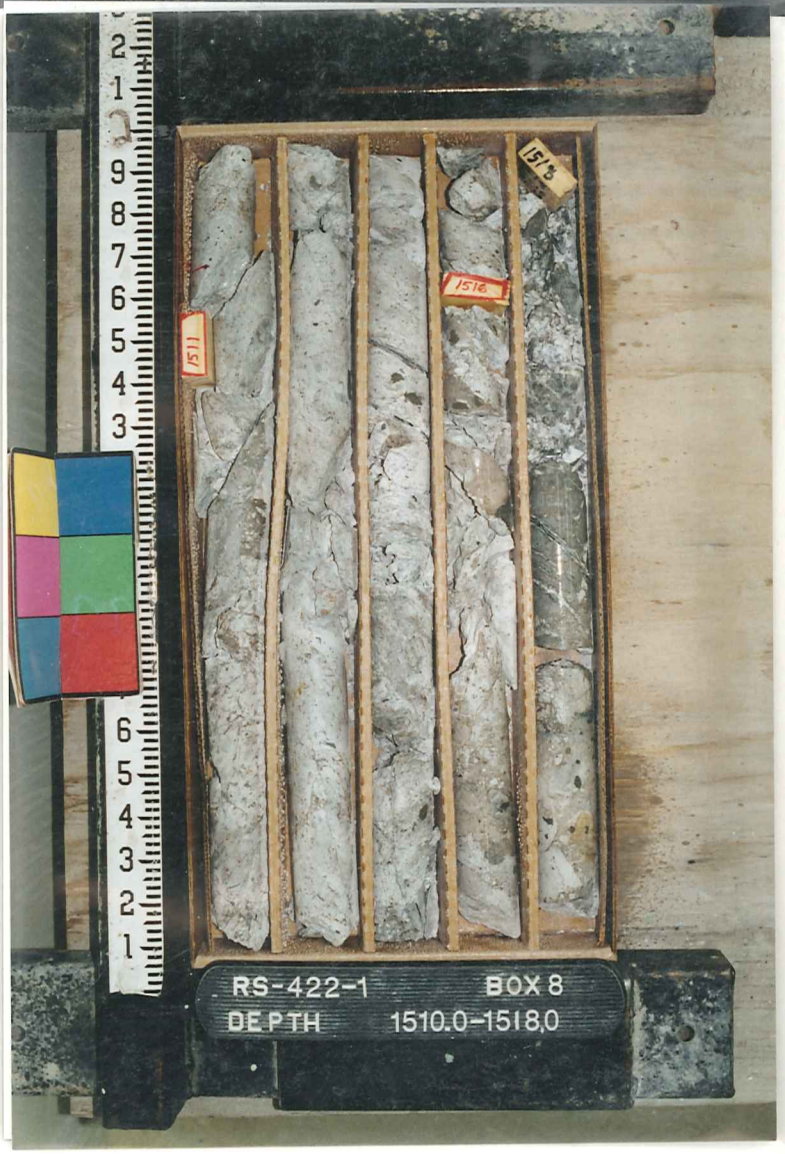
shipped 3/15

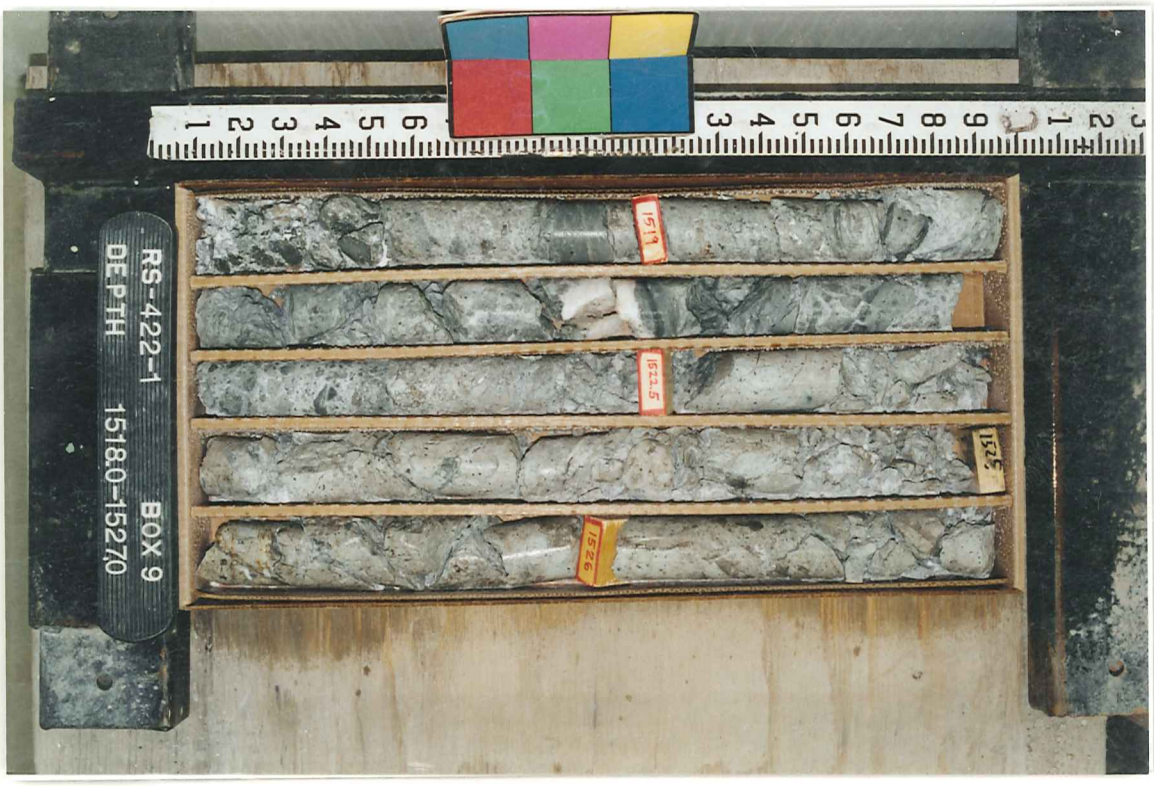
3/18 shipped

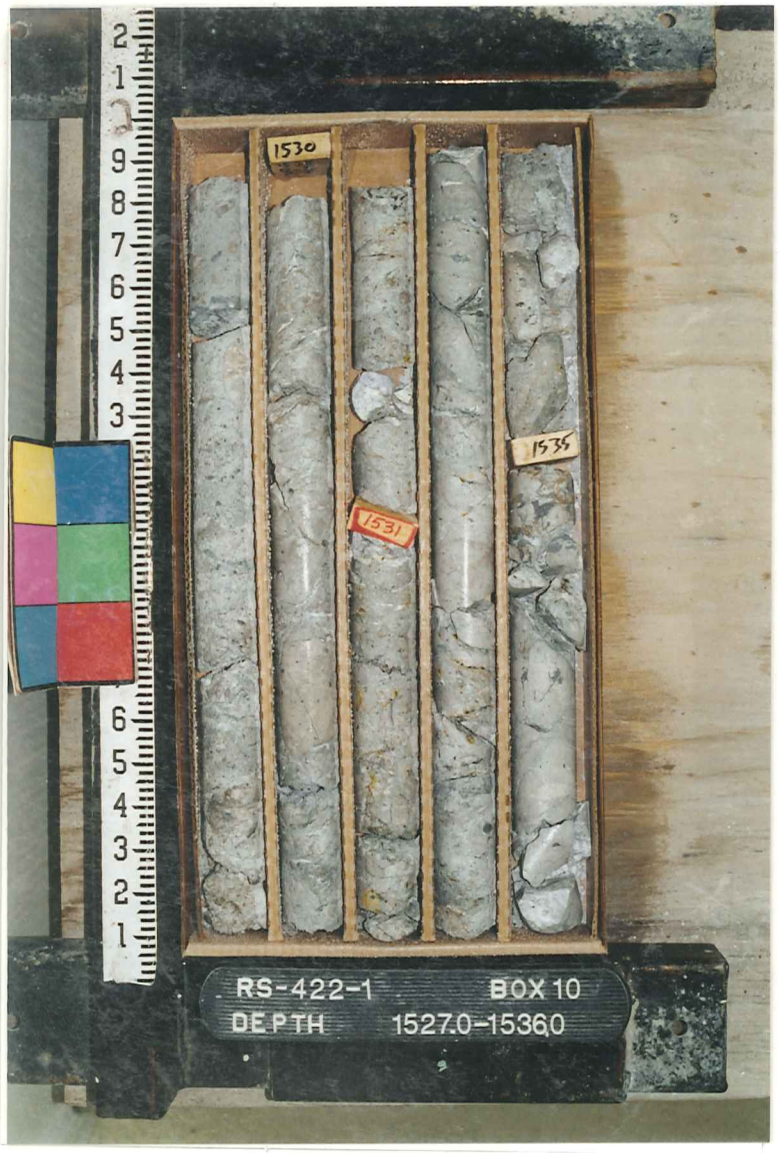
From	To
1212	1214.1
	1219
	1224
	1229
	1234
	1237
	1239
	1244
	1248
	1251
	1256
	1261
	1266
	1271

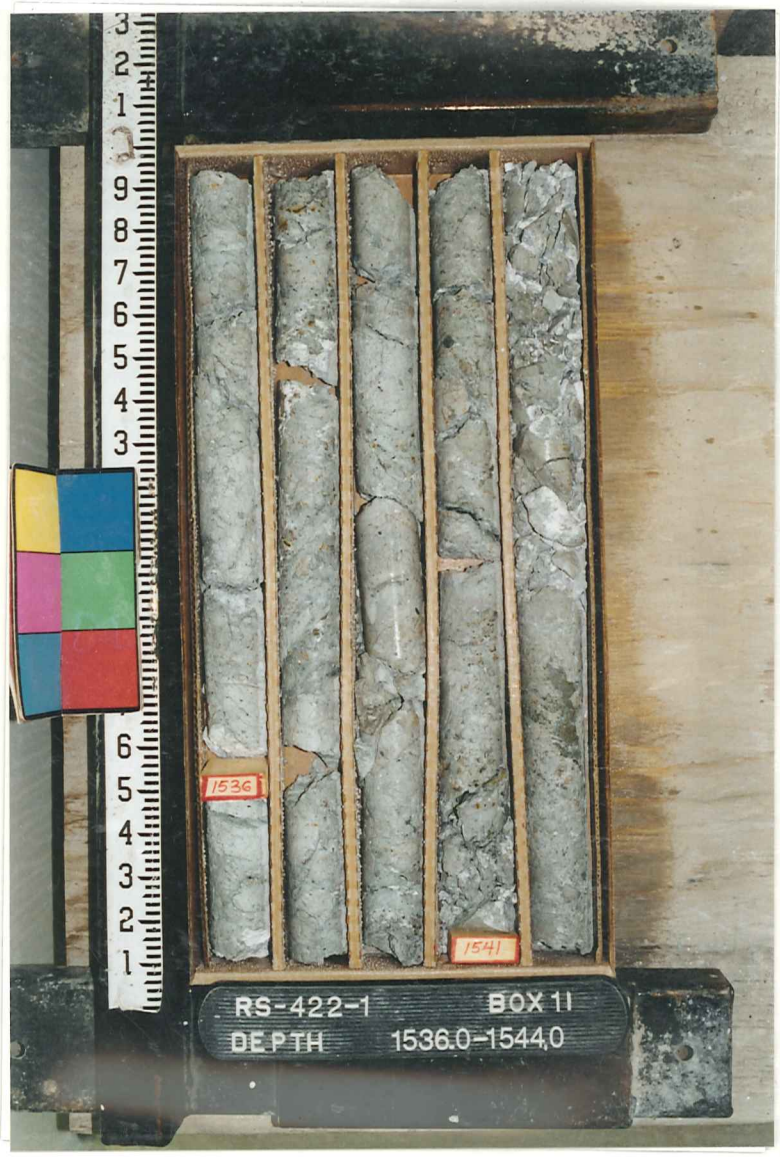
9:30 RS-422 #8 1192-1271

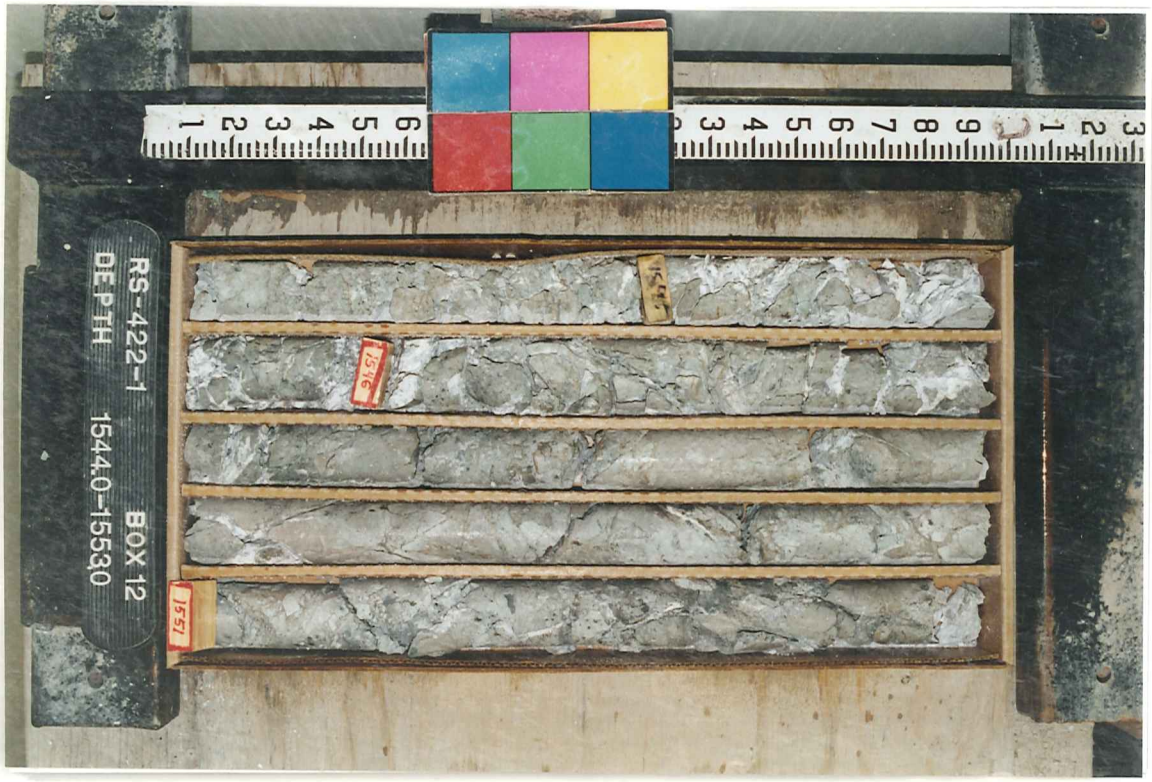
1508
1506
1512
1501
No Sample
1501
RS-422-1
BOX 7
DEPTH
1501.0-1510.0

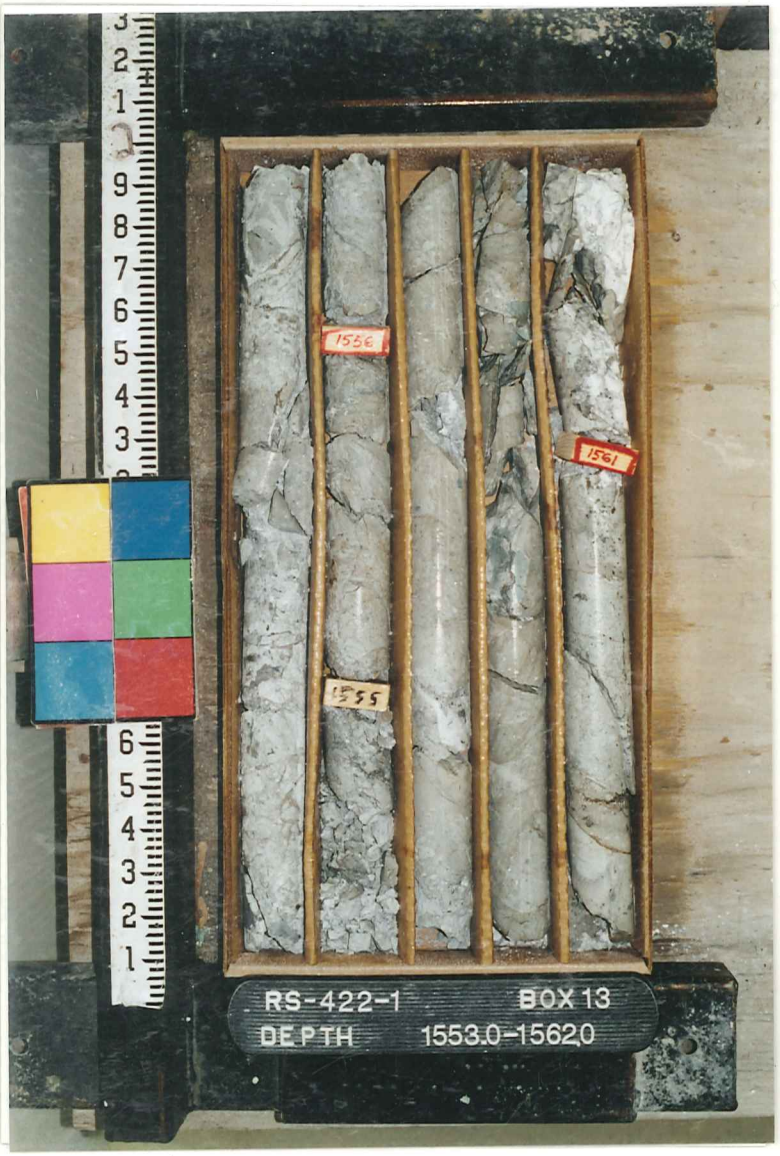

1518
1516
1517
RS-422-1
BOX 8
DEPTH
1510.0-1518.0

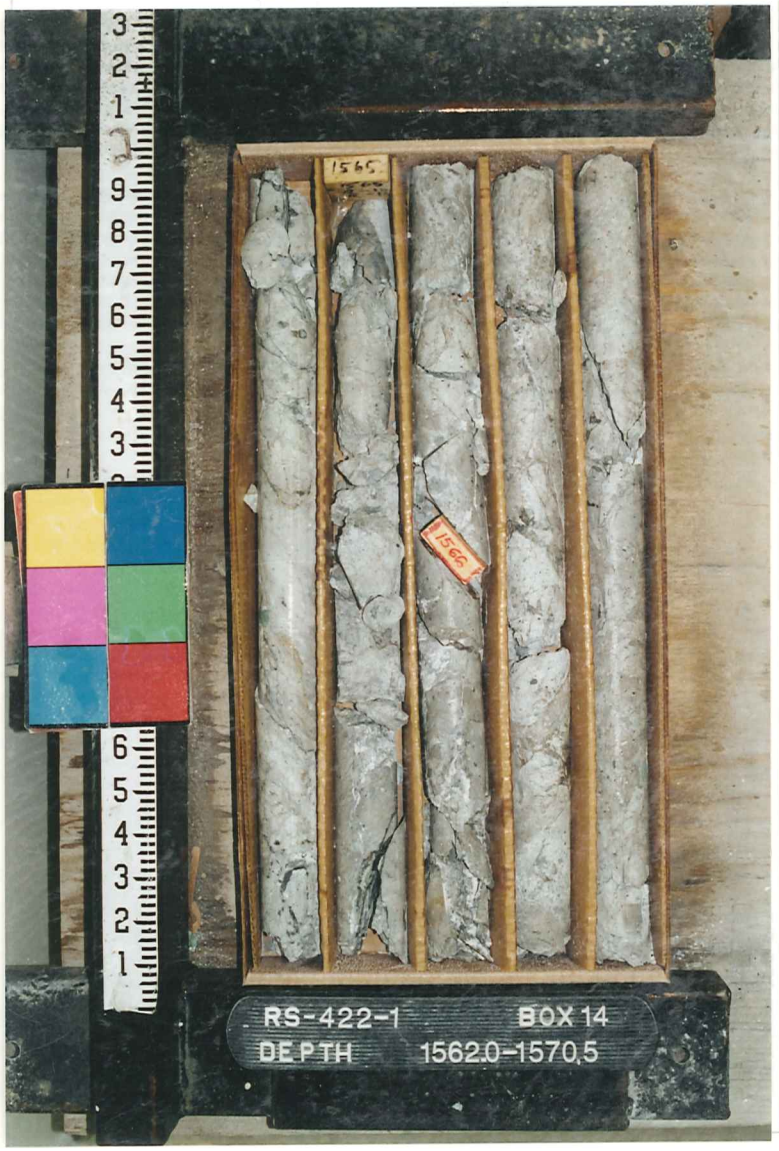

1519
1523.5
1525
1526
RS-422-1
BOX 9
DEPTH
1518.0-1527.0


1530
1531
1535
RS-422-1
BOX 10
DEPTH
1527.0-1536.0


1536
1541
RS-422-1
BOX 11
DEPTH
1536.0-1544.0


1545
1551
RS-422-1
BOX 12
DEPTH
1544.0-1553.0

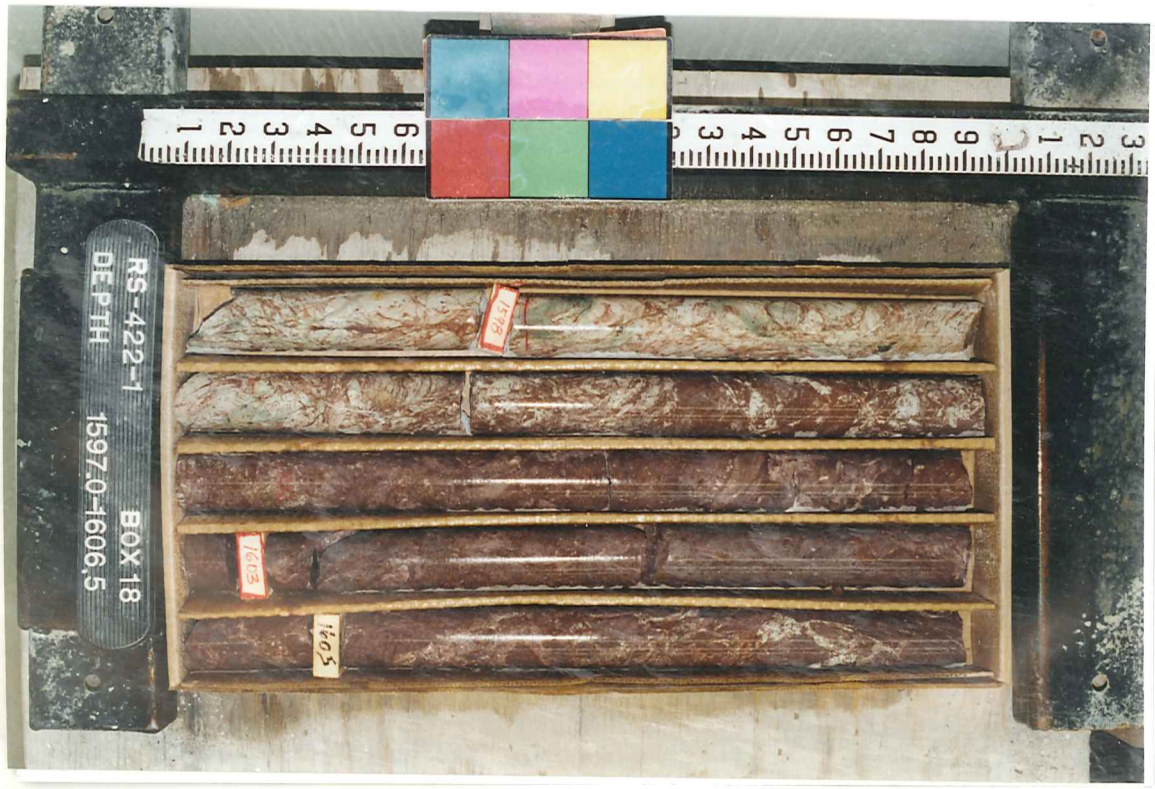

1556
1561
1555
RS-422-1 BOX 13
DEPTH 1553.0-1562.0


1565
1566
RS-422-1 BOX 14
DEPTH 1562.0-1570.5

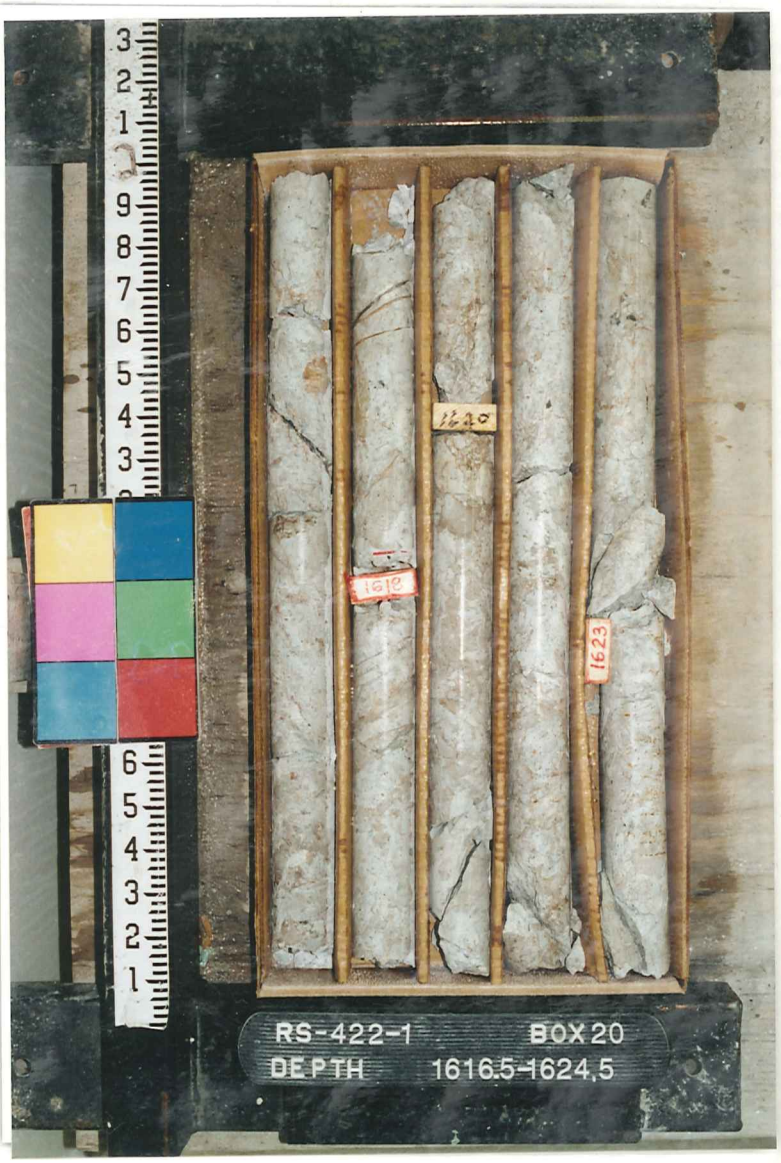
1571
1575
1576
RS-422-1 BOX 15
DEPTH 1570.5-1579.5

1581
1586
1585
RS-422-1 BOX 16
DEPTH 1579.5-1588.5

1595
1591
1594
RS-422-1 BOX 17
DEPTH 1588.5-1597.0


1598
1603
1605
RS-422-1 BOX 18
DEPTH 1597.0-1606.5

1610
1608
1613
RS-422-1 BOX 19
DEPTH 1606.5-1616.5


1620
1618
1623
RS-422-1 BOX 20
DEPTH 1616.5-1624.5

1628
1630
RS-422-1 BOX 21
DEPTH 1624.5-1633.0

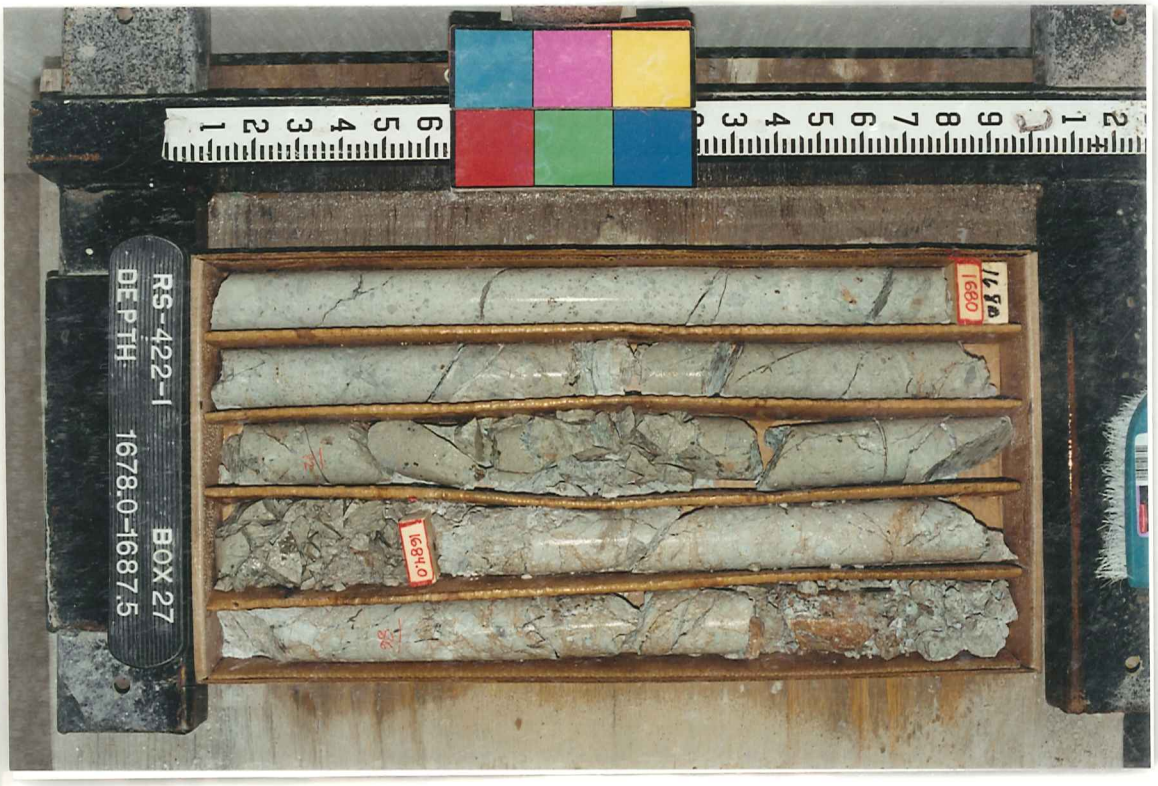
RS-422-1
BOX 22
DEPTH 1633.0-1642.0
1634
1636
1640
1644

RS-422-1
BOX 23
DEPTH 1642.0-1651.3
1645
STOP
1650

RS-422-1
BOX 24
DEPTH 1651.3-1660.0
1654
1656.5
1658

1665
1662.6
1660.2
RS-422-I
BOX 25
DEPTH
1660.0-1669.0

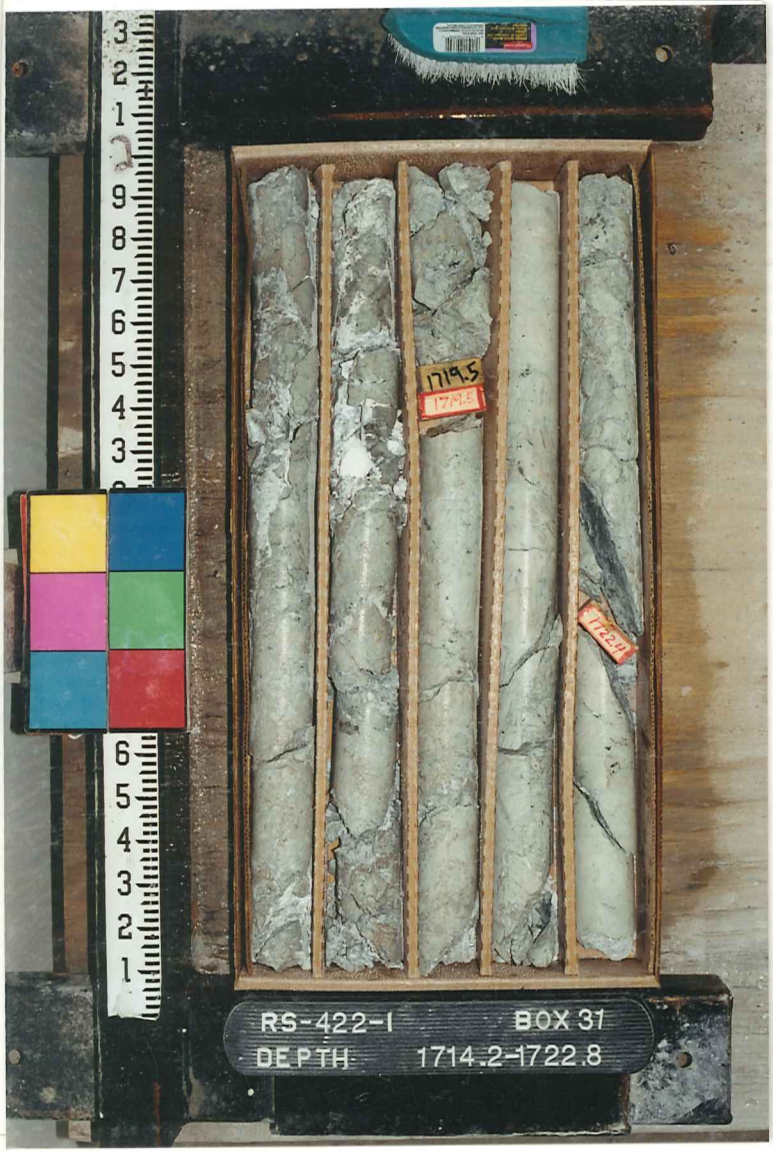
1670
1670
1675
RS-422-I
BOX 26
DEPTH
1669.0-1678.0

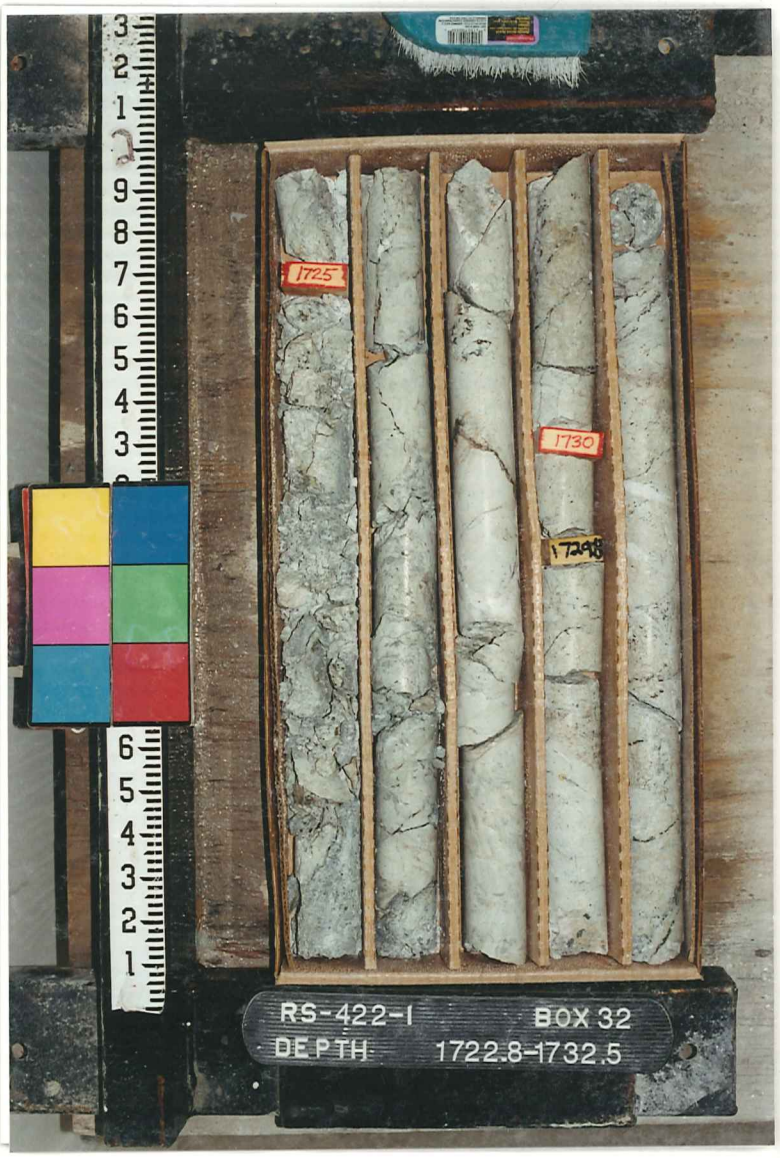

1680
1684.0
RS-422-I
BOX 27
DEPTH
1678.0-1687.5

1689
1688.1
1694.0
1695.0
1691.0
RS-422-I
BOX 28
DEPTH 1687.5-1696.3

1700
1698.3
1705
RS-422-I
BOX 29
DEPTH 1696.3-1705.4

RS-422-I
BOX 30
DEPTH 1705.4-1714.2
1704.4
1714.6

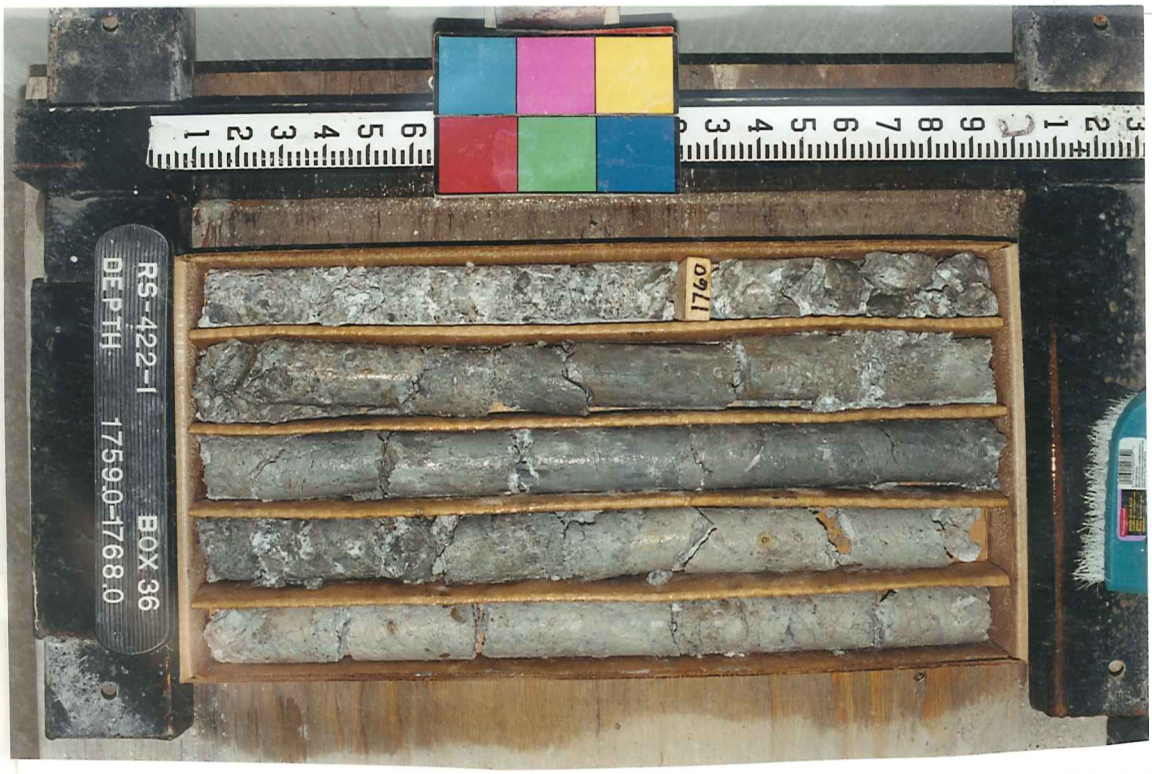

1719.5
1722.4
RS-422-1
BOX 31
DEPTH
1714.2-1722.8


1725
1730
1729.8
RS-422-1
BOX 32
DEPTH
1722.8-1732.5

1735
1740
RS-422-1
BOX 33
DEPTH
1732.5-1741.0

RS-422-1
BOX 34
DEPTH 1741.0-1750.0

1750
RS-422-1
BOX 35
DEPTH 1750.0-1759.0


RS-422-1
BOX 36
DEPTH 1759.0-1768.0
1760

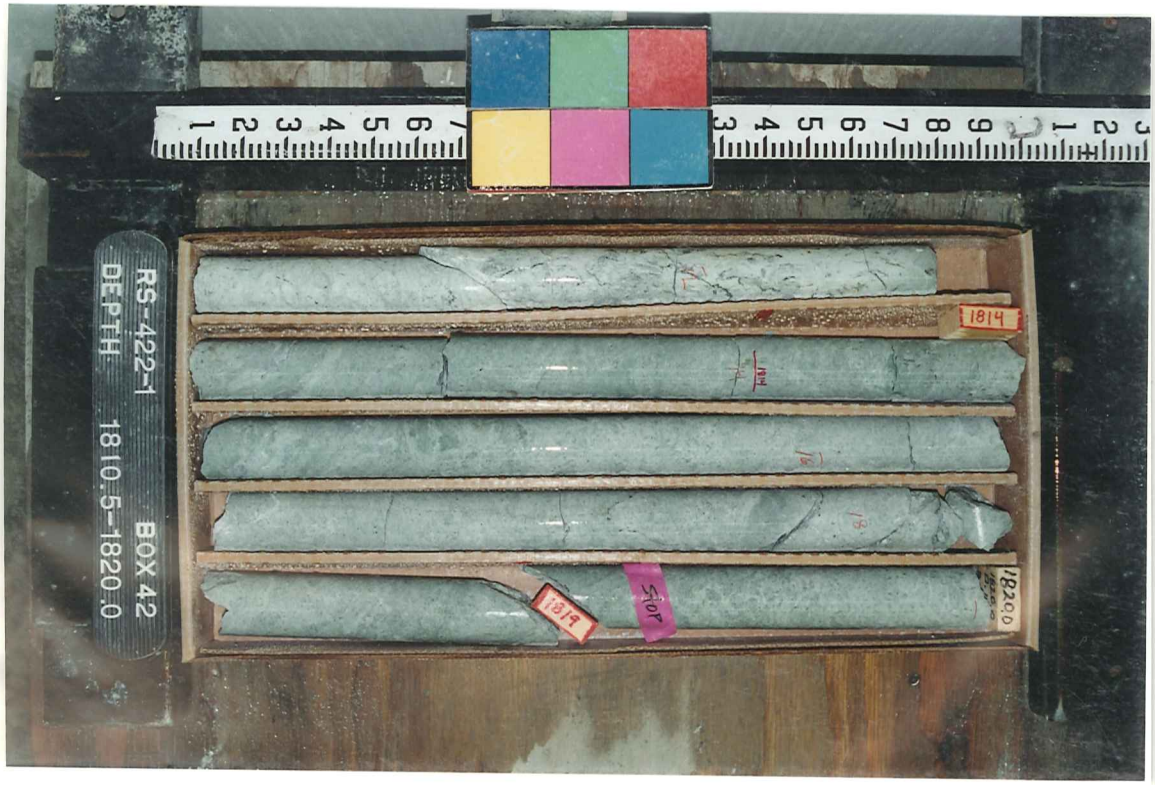
1770
1769
1774
1770
RS-422-1
BOX 37
DEPTH
1768.0-1777.0

1780
1779.4
1778

RS-422-1
DEPTH
1785.0-1793.0
BOX 39
1784
1788
1790

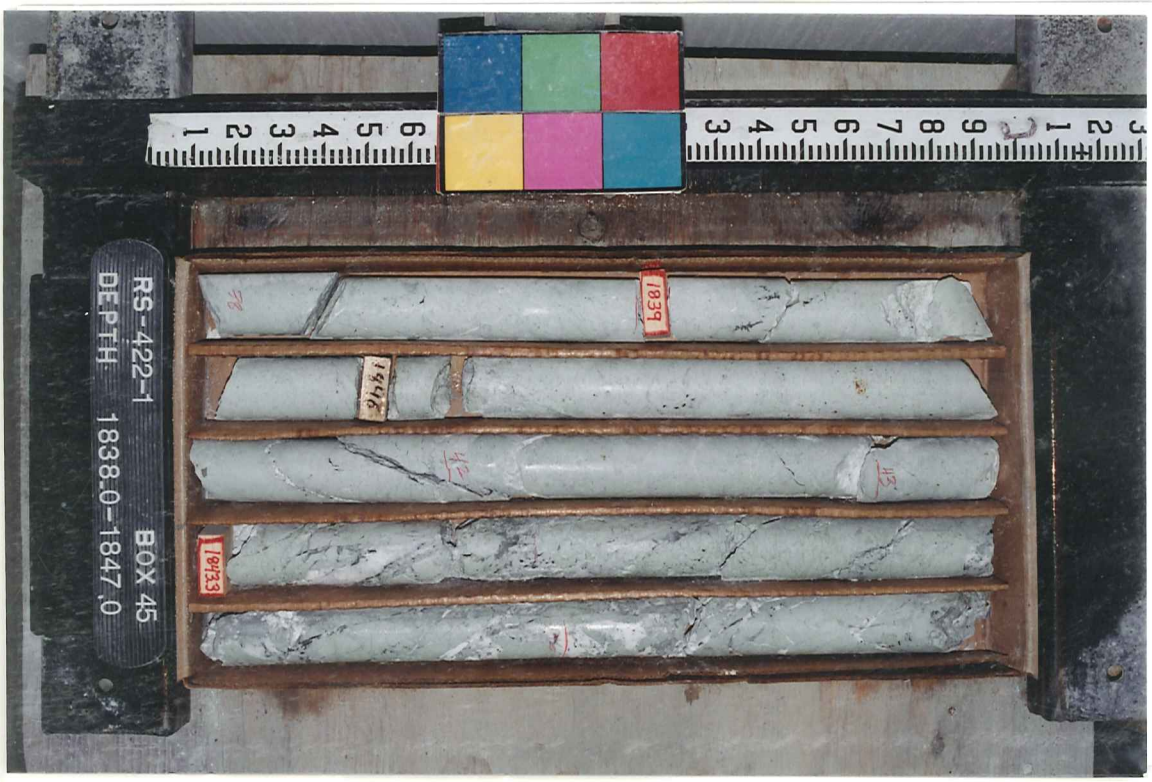
1794
1799
1800
RS-422-1 BOX 40
DEPTH 1793.0-1801.5

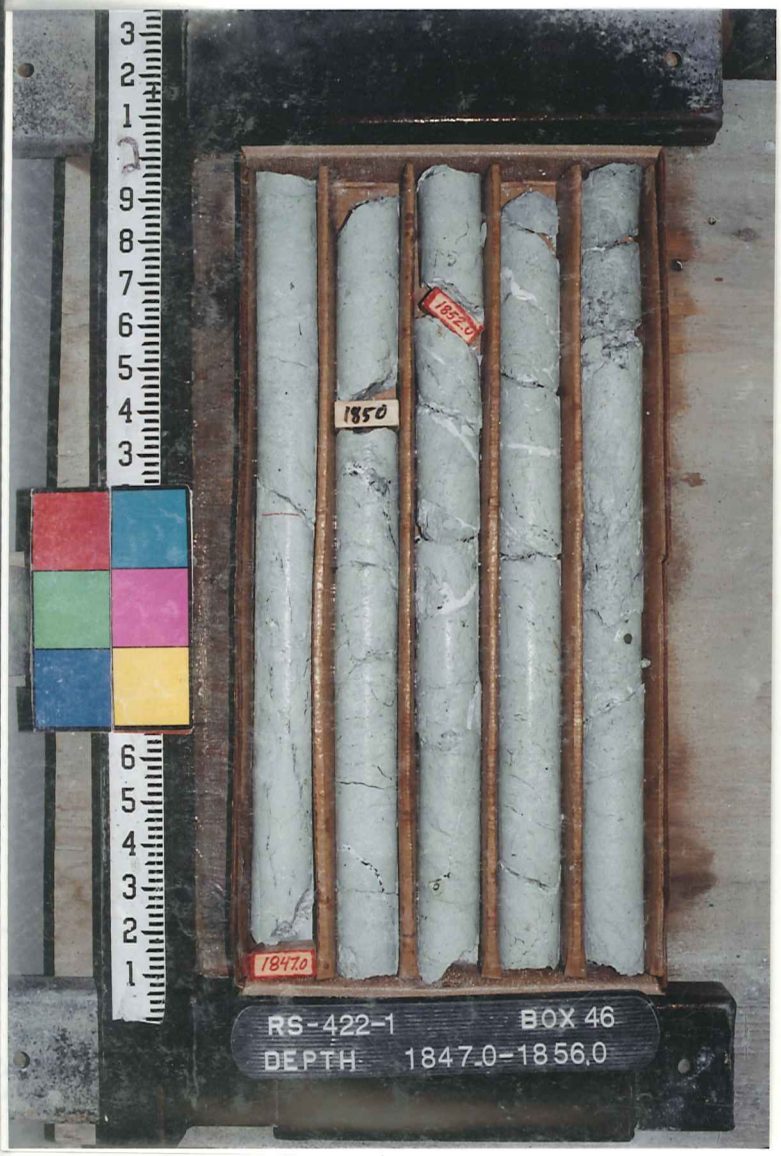
1809
1810
1804.1
RS-422-1 BOX 41
DEPTH 1801.5-1810.5

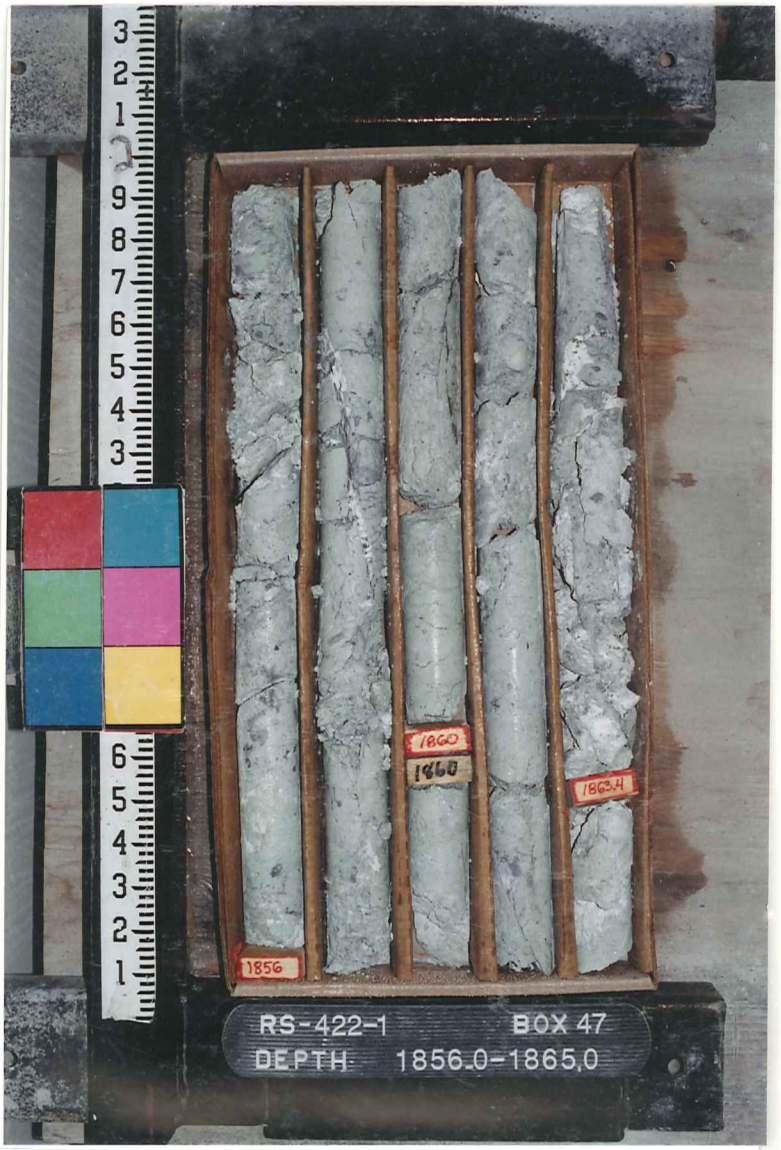

1814
1819
Slot
1820.0
RS-422-1 BOX 42
DEPTH 1810.5-1820.0

1829
1824
RS-422-1 BOX 43
DEPTH 1820.0-1829.0

1830
1834
RS-422-1 BOX 44
DEPTH 1829.0-1838.0


1839
1842
1843
RS-422-1 BOX 45
DEPTH 1838.0-1847.0

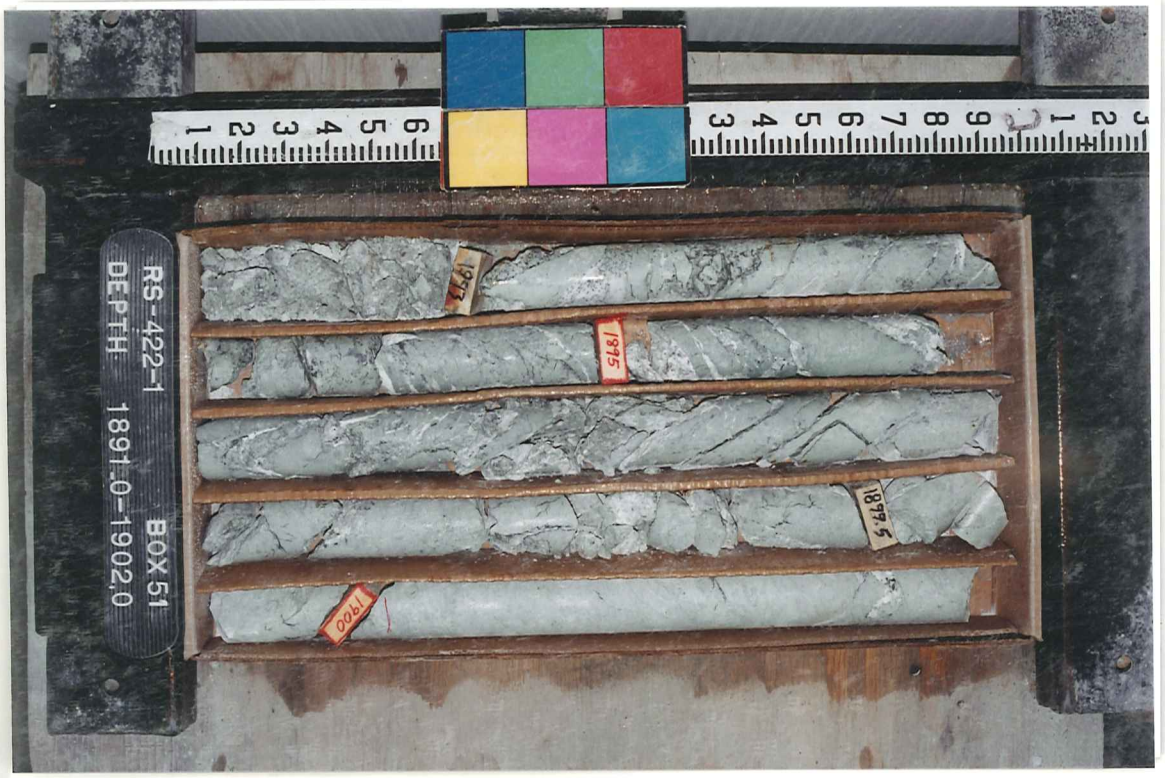

1850
1852.0
1847.0
RS-422-1
BOX 46
DEPTH 1847.0-1856.0

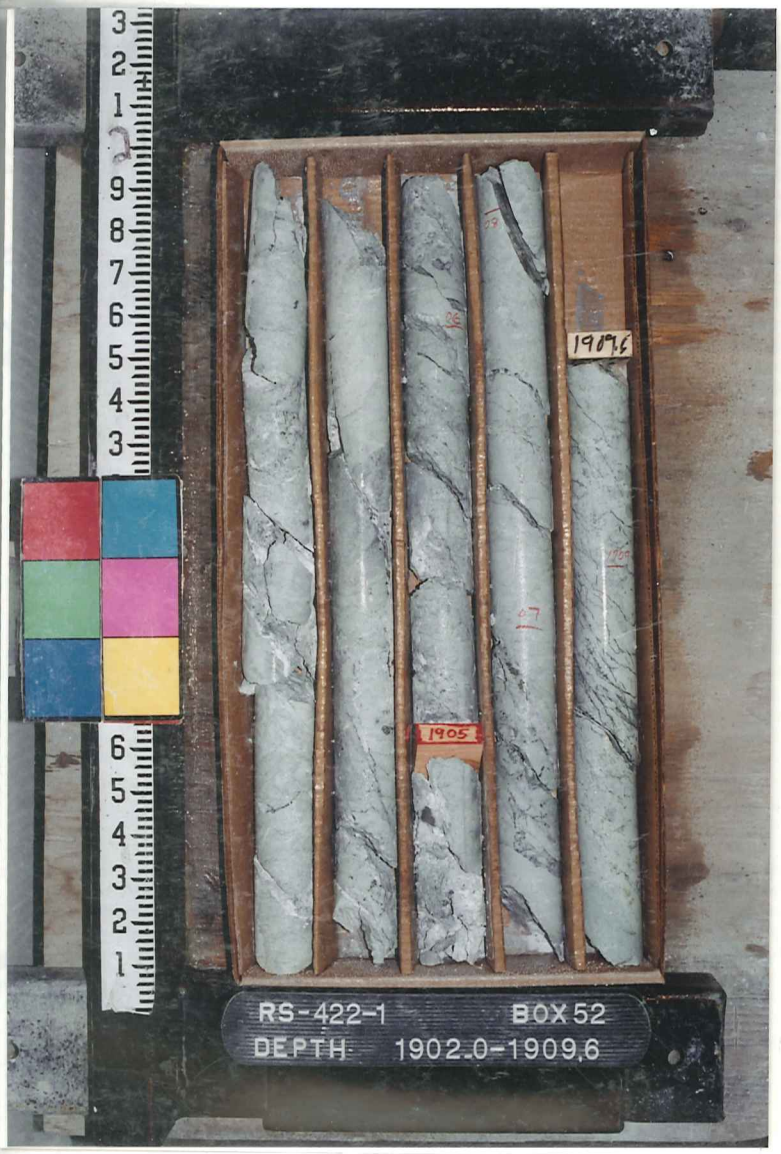

1860
1860
1863.4
1856
RS-422-1
BOX 47
DEPTH 1856.0-1865.0

1868
1870
1872.5
RS-422-1
BOX 48
DEPTH 1865.0-1873.5

1875.6
1880
RS-422-1
BOX 49
DEPTH 1873.5-1883.0

1885
1890
1890
RS-422-1
BOX 50
DEPTH 1883.0-1891.0


1895
1897.5
1900
RS-422-1
BOX 51
DEPTH 1891.0-1902.0

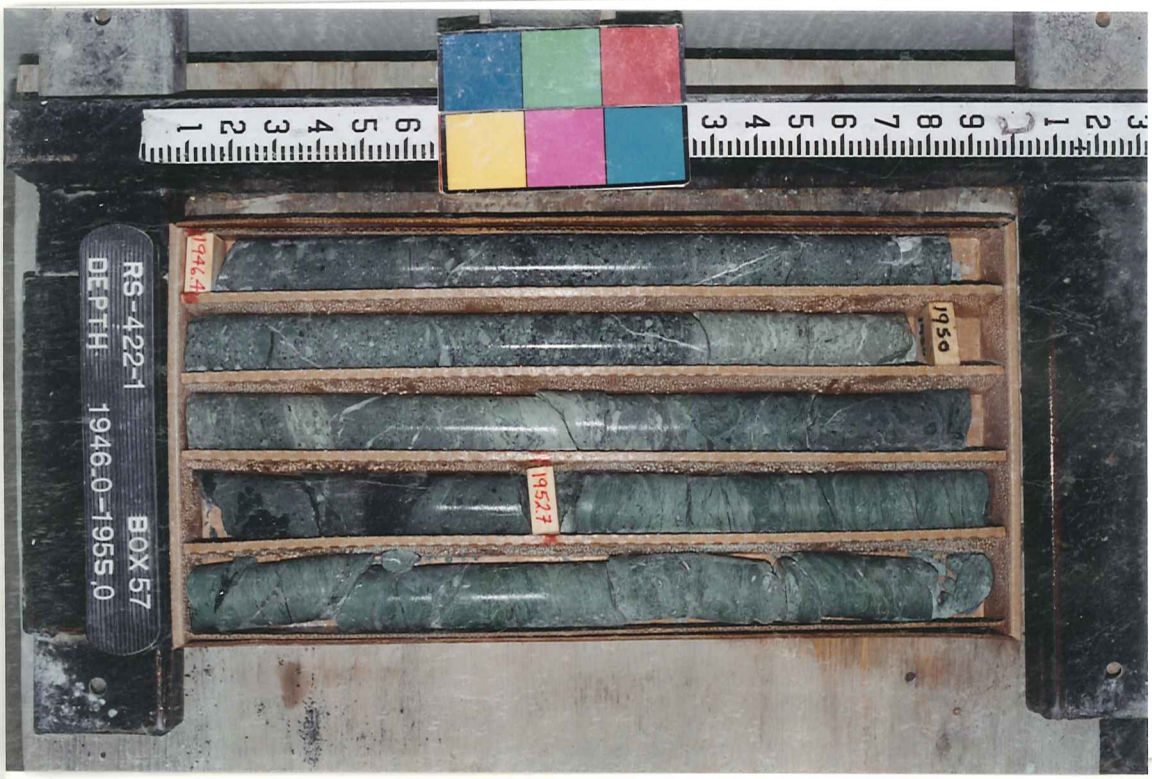

1905
1909.6
RS-422-1 BOX 52
DEPTH 1902.0-1909.6

1910
1915
RS-422-1 BOX 53
DEPTH 1909.6-1919.

1919
1919.8
1922.3
1926.2
RS-422-1 BOX 54
DEPTH 1919.0-1928.6

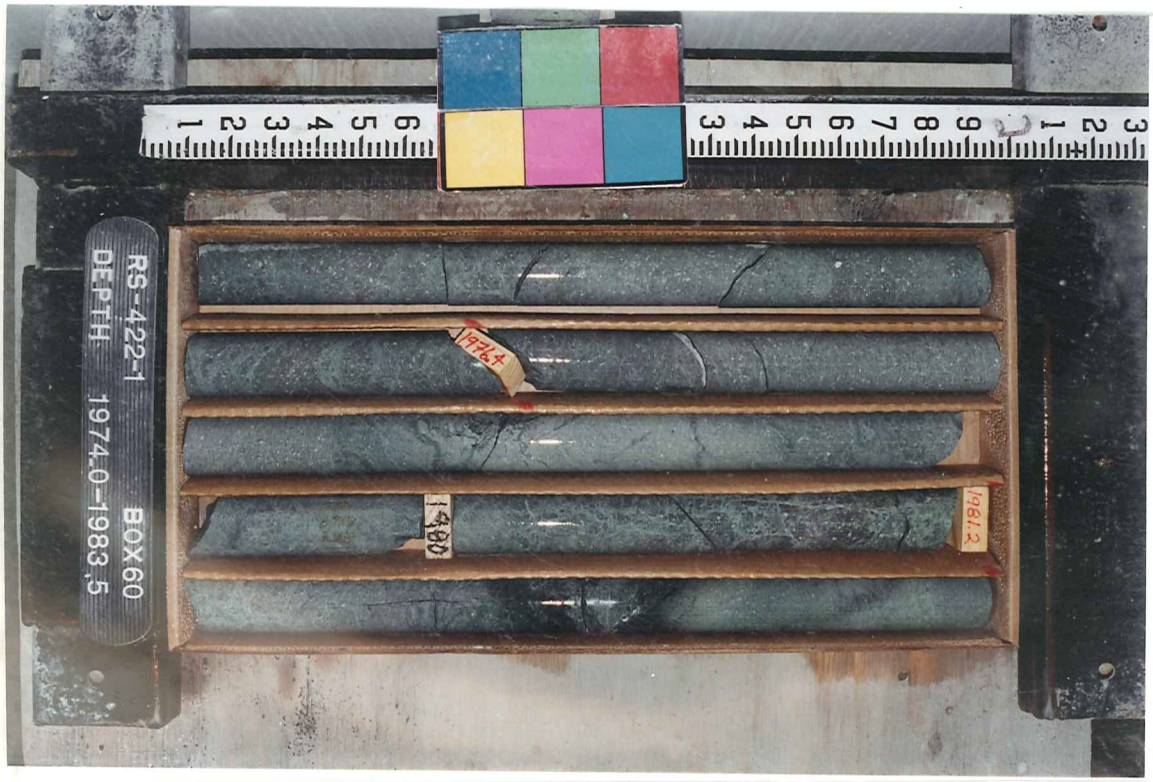
TOP
1930
1930
RS-422-1 BOX 55
DEPTH 1928.6-1937.0

1938.8
1942.8
RS-422-1 BOX 56
DEPTH 1937.0-1946.0


1946.4
1950
1955.7
RS-422-1 BOX 57
DEPTH 1946.0-1955.0

1956.2
1960
1962.2
1964.0
1961.3
RS-422-1 BOX 58
DEPTH 1955.0-1964.5

1970
1967.2
1971.9
RS-422-1 BOX 59
DEPTH 1964.5-1974.0


1976.4
1980
1981.2
RS-422-1 BOX 60
DEPTH 1974.0-1983.5

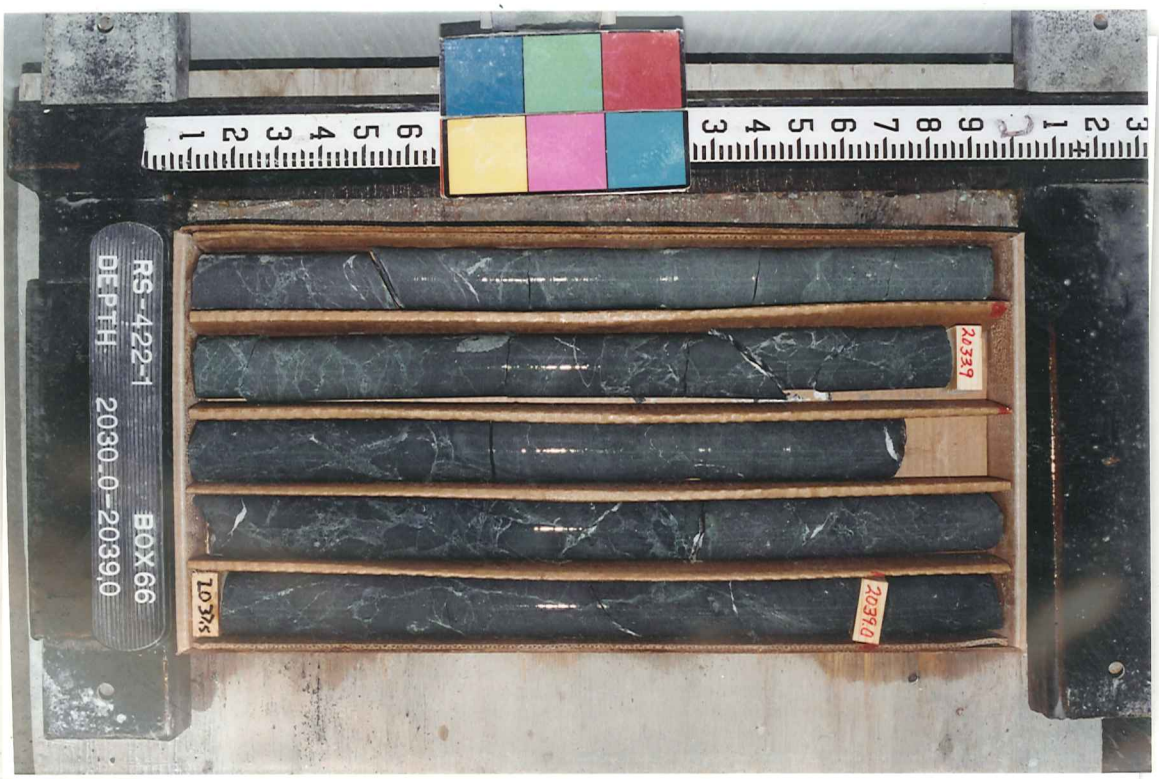
1990
1985.9
1990.7
RS-422-1
BOX 61
DEPTH 1983.5-1992.5

1997.5
1996.5
RS-422-1
BOX 62
DEPTH 1992.5-2001.5

2002.3
2008.6
2007.2
RS-422-1
BOX 63
DEPTH 2001.5-2011.7

2014.4
2017.8
2017.3
RS-422-1 BOX64
DEPTH 2011.7-2020.8

2028.
2023.2
2028.7
RS-422-1 BOX65
DEPTH 2020.8-2030.0


2033.9
2038.0
RS-422-1 BOX66
DEPTH 2030.0-2039.0

2043.9
2047.5
RS-422-1 BOX67
DEPTH 2039.0-2048.5

2052.2
2057.5
2049.0
2054.6
RS-422-1 BOX68
DEPTH 2048.5-2057.5

2058.1
2061.6
RS-422-1 BOX69
DEPTH 2057.5-2067.0

RS-422-1
BOX71
DEPTH 2075.5-2085.0

RS-422-1
BOX 70
DEPTH 2067.0-2075.5

RS-422-1
BOX72
DEPTH 2085.0-2094.0

RS-422-1
BOX73
DEPTH 2094.0-2100.0