



52L07NE0007 25 REX LAKE

010

DIAMOND DRILLING

AREA: REX LAKE

REPORT NO: 25

WORK PERFORMED FOR: Kidd Creek Mines Ltd.

RECORDED HOLDER: Same as Above [xx]
: Other []

<u>Claim No.</u>	<u>Hole No.</u>	<u>Footage</u>	<u>Date</u>	<u>Note</u>
912480 & 921741	FO-4	636.32'	Nov/87	(1)

NOTES: (1) #W8801-004, filed June/88

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION 14+90W/17+50N DIRECTION Grid S (Az 180°) DIP 60° HOLE No. FO-4
 LOGGED BY J A Lutz CASING BW SHEET No. 1
 STARTED November 12, 1987 CORE SIZE BO CORRECTED TESTS 30m-60°, 60m-60°
 FINISHED November 14, 1987 90m-60°, 120m-59°, 150m - 59°, 190m - 57°
 PROPERTY FAIRSERVICE OPTION PN 536

FROM	TO	DESCRIPTION
metres	metres	<u>SUMMARY LOG</u>
0.0	5.6	<u>CASING</u>
5.6	9.4	<u>GRANITE (7a)</u>
9.4	84.5	<u>BIOTITE PLAGIOCLASE SCHIST (6r) and METAGABBRO (8a)</u> 41.0 - 69.3 trace to 3% pyrite and chalcopryrite
84.5	96.0	<u>GRANITE (7a)</u>
96.0	108.3	<u>BIOTITE PLAGIOCLASE SCHIST (r) and METAGABBRO (8a)</u>
108.3	113.0	<u>METAPERIDOTITE (8f)</u>
113.0	126.4	<u>BIOTITE PLAGIOCLASE SCHIST (6r)</u>
126.4	130.7	<u>BRECCIATED METAGABBRO (8a₁)</u>
130.7	138.0	<u>BIOTITE PLAGIOCLASE SCHIST (6r)</u>
138.0	174.7	<u>METAPERIDOTITE (8f)</u> 138.0 - 138.5 chromite 140.0 - 152.3 < 3% chalcopryrite and trace pyrite 152.3 - 168.9 3% chalcopryrite and < 3% pyrite 168.9 - 186.1 < 3% chalcopryrite and trace pyrite
174.7	194.0	<u>HORNBLLENDE PLAGIOCLASE GRANULITE (9a)</u> 186.1 - 194.0 trace pyrite and chalcopryrite
	194.0	<u>END OF HOLE</u> Contractor - Midwest Drilling, Winnipeg, Core at FO-3 drill site Boxes 25-30 (145.3 - 180.5m) in Winnipeg



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FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION 14+90W/17+50N DIRECTION Grid S (Az 180°) DIP 60° HOLE No. FO-4
 LOGGED BY J A Lutz CASING BW SHEET No. 2
 STARTED November 12, 1987 CORE SIZE BQ CORRECTED TESTS 30m-60°, 60m-60°
 FINISHED November 14, 1987 90m-60°, 120m-59°, 150m-59°, 190m-57°
 PROPERTY FAIRSERVICE OPTION PN 536

FROM	TO	DESCRIPTION
metres	metres	
0.0	5.6	<u>CASING</u> (Left-in)
5.6	9.4	<u>GRANITE</u> reddish-pink, slightly magnetic
9.4	48.8	<u>BIOTITE PLAGIOCLASE SCHIST</u> light-black, mg, poorly to well foliated, slightly to extremely magnetic bands 1 - 5 centimeters, interlayered with granite. 1 to 200 centimeters.
	11.0 - 11.3	Granite, reddish-pink; coarse grained, minor epidote alteration, minor iron staining
	15.3 - 17.1	Granite, reddish-pink, coarse grained to pegmatitic, minor iron staining
	23.4 - 24.0	Granite, reddish-pink, pegmatitic, minor iron staining
	25.8 - 26.1	Granite, reddish-pink, pegmatitic, minor iron staining
	42.3 - 43.0	Granite, dark reddish-pink, coarse grained, well iron stained
	41.0 - 41.4	Trace pyrite and chalcopyrite
	41.4 - 41.65	3% chalcopyrite disseminated and blebs
	41.65-46.9	Trace to <3% disseminated pyrite and chalcopyrite

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION _____ DIRECTION _____ DIP _____ HOLE No. FO-4
 LOGGED BY _____ CASING _____ SHEET No. 3
 STARTED _____ CORE SIZE _____ CORRECTED TESTS _____
 FINISHED _____
 PROPERTY _____

FROM	TO	DESCRIPTION
metres	metres	
	46.9 - 60.5	Trace pyrite and chalcopyrite disseminated and blebs
48.8	70.6	<u>METAGABBRO</u> , light greenish-grey, medium-grained, interlayered with biotite plagioclase schist, light-black, medium-grained, poorly to well foliated with slightly to extremely magnetic bands 1-5 centimeters and layers up to 100 centimeters.
	52.9 - 53.1	3% chalcopyrite disseminated and blebs
	67.2 - 69.3	<3% chalcopyrite disseminated and blebs
70.6	74.1	<u>BIOTITE PLAGIOCLASE SCHIST</u> , light-black, medium-grained, moderately to well foliated, moderately magnetic
74.1	83.6	<u>METAGABBRO</u> , light greenish-grey, medium-grained, slight to moderate epidote alteration.
83.6	84.5	<u>BIOTITE PLAGIOCLASE SCHIST</u> , light greyish-black, medium-grained, moderately foliated.
84.5	96.0	<u>GRANITE</u> , reddish-pink, medium-grained to scattered pegmatitic patches, minor to extensive iron staining, minor epidote alteration scattered throughout
96.0	97.2	<u>BIOTITE PLAGIOCLASE SCHIST</u> , greyish-black, medium-grained, poorly foliated, few hematitic patches and iron staining

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION _____ DIRECTION _____ DIP _____ HOLE No. FO-4
 LOGGED BY _____ CASING _____ SHEET No. 4
 STARTED _____ CORE SIZE _____ CORRECTED TESTS _____
 FINISHED _____
 PROPERTY _____

FROM	TO	DESCRIPTION
metres	metres	
97.2	97.9	<u>METAGABBRO</u> , light greenish-grey, medium-grained, minor epidote alteration
97.9	104.6	<u>BIOTITE PLAGIOCLASE SCHIST</u> , light-black, medium-grained, poorly to moderately foliated, granite layers, medium to coarse-grained, 5-40 centimeters with minor iron staining
104.6	108.3	<u>METAGABBRO</u> , light greyish-green, medium-grained, minor epidote alteration, hematitic bands <0.5 centimeters throughout, minor to moderate iron staining 106 - 106.4 Granite, reddish-pink, pegmatitic, iron stained, 5% mesovuggy
108.3	113.0	<u>METAPERIDOTITE</u> , dark blackish-green, medium-grained, poorly to moderately foliated 111.8 - 112.9 Granitic patches and interlayers, pink, coarse-grained, minor epidote alteration, minor iron staining 112.2 Chalcopyrite fracture infill
113.0	123.4	<u>BIOTITE PLAGIOCLASE SCHIST</u> , light-black, medium-grained, poorly to well foliated, slightly to moderately magnetic, patches of coarse grained granite with minor epidote alteration and iron staining

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION _____ DIRECTION _____ DIP _____ HOLE No. FO-4

LOGGED BY _____ CASING _____ SHEET No. 5

STARTED _____ CORE SIZE _____ CORRECTED TESTS _____

FINISHED _____

PROPERTY _____

FROM	TO	DESCRIPTION
metres	metres	
123.4	126.4	<u>BIOTITE PLAGIOCLASE SCHIST</u> , light-black, medium-grained, moderately foliated containing hematitic patches and seams, slightly magnetic, 50% interlayered with coarse-grained granite containing moderate to extensive iron staining.
126.4	130.7	<u>BRECCIATED METAGABBRO</u> , greyish-green, medium to coarse-grained, interlayered with biotite plagioclase schist, dark-black, medium-grained, well foliated. This unit contains moderate epidote alteration and is well iron stained. As well, there is abundant specular hematite -- disseminated, patches and seams. 127.9 - 130.5 Extensive brecciation
130.7	138.0	<u>BIOTITE PLAGIOCLASE SCHIST</u> , light-black, medium-grained, moderately to well foliated, contains quartz veinlets, minor epidote alteration and is slightly hematitic. 137.2 - 137.75 Brecciated, containing pegmatitic granite with minor epidote alteration, abundant hematite and iron staining.
138.0	174.7	<u>METAPERIDOTITE</u> , dark blackish-green, medium-grained, moderately to well foliated, hematitic and slightly to extremely magnetic, interlayered with biotite plagioclase schist, light-black, medium-grained, moderately to well

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

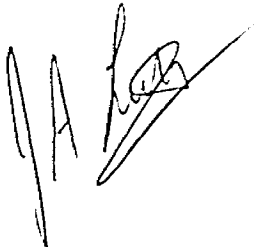
LOCATION _____ DIRECTION _____ DIP _____ HOLE No. FO-4
 LOGGED BY _____ CASING _____ SHEET No. 6
 STARTED _____ CORE SIZE _____ CORRECTED TESTS _____
 FINISHED _____
 PROPERTY _____

FROM	TO	DESCRIPTION
metres	metres	
		foliated, moderately to extremely magnetic.
		138.0 - 138.5 Chromite.
		140.0 - 152.3 <3% pyrite disseminated and blebs, trace chalcopyrite disseminated and blebs.
		162.4 - 172.0 Metaperidotite, coarse-grained, mottled, 30% extremely magnetic patches \pm 3 centimeters, hematite content increases downhole towards this zone forming blebs and fracture infills, trace disseminated pyrite and chalcopyrite.
		162.7 - 174.7 3-5% mesovuggy patches 5-20 centimeters containing 40% porosity.
174.7	194.0	<u>HORNBLÉNDE PLAGIOCLASE GRANULITE</u> , green and white equigranular salt and pepper appearance, medium-grained, slightly magnetic, poorly foliated, interlayered with coarse-grained to pegmatitic granite, 10-100 centimeters, containing slight to moderate epidote alteration. Moderate to extensive iron staining at 190.0 - 194.0.
		174.7 - 186.1 Trace to <3% chalcopyrite, disseminated, blebs and fracture infill, trace pyrite, disseminated and blebs.

FALCONBRIDGE NICKEL MINES LIMITED

DIAMOND DRILL RECORD

LOCATION _____ DIRECTION _____ DIP _____ HOLE No. FO-4
 LOGGED BY _____ CASING _____ SHEET No. 7
 STARTED _____ CORE SIZE _____ CORRECTED TESTS _____
 FINISHED _____
 PROPERTY _____

FROM	TO	DESCRIPTION
metres	metres	
	194.0	<p style="text-align: center;">186.1 - 191.0 Trace disseminated pyrite and chalcopyrite.</p> <p><u>END OF HOLE</u></p> <p>Contractor: Midwest Drilling, Winnipeg, Manitoba</p> <p>Core at FO-3 drill site.</p> <p>Boxes 25-30 (145.3 - 180.5m) in Winnipeg.</p> <div style="text-align: center; margin-top: 20px;">  </div>

FALCONBRIDGE NICKEL MINES LTD.

SAMPLE RECORD

PROPERTY FAIRSERVICE OPTION PN 536

HOLE No. FO-4 SHEET No. 1

SAMPLE NO.	FROM METRES	TO METRES	LENGTH METRES	ASSAYS					ROCK TYPE & MINERALIZATION	
				Pt	Pd	Au	Cu	Ni		Ag
				ppb	ppb	ppb	ppm	ppm	g/t	
FOC-29259	41.3	41.8	0.5	<20	<10	<10	1050	100	<0.5	■ Granite (0.25m) in biotite plagioclase schist, 3% cpy dissemin and blebs
-29260	41.8	42.3	0.5	<20	<10	<10	920	110	<0.5	■ Biotite plagioclase schist, tr dissemin py, cpy
-29261	45.9	46.9	1.0	<20	<10	<10	630	230	<0.5	■ Biotite plagioclase schist, tr dissemin py, cpy
-29262	51.75	52.75	1.0	<20	<10	<10	320	270	<0.5	■ Biotite plagioclase schist
-29263	52.75	53.25	0.5	<20	<10	<10	50	320	<0.5	■ Biotite plagioclase schist, 3% cpy dissemin and blebs at 52.9 - 53.1
-29264	53.25	54.25	1.0	<20	<10	25	120	490	<0.5	■ Biotite plagioclase schist, tr cpy dissemin and blebs
-29265	66.7	67.2	0.5	<20	<10	<10	<5	370	<0.5	■ Biotite plagioclase schist, tr dissemin cpy
-29266	67.2	68.3	1.1	<20	<10	<10	570	320	<0.5	■ Metagabbro, <3% dissemin cpy
-29267	68.3	69.3	1.0	<20	<10	35	920	230	<0.5	■ Metagabbro, <3% cpy, cpy dissemin and blebs
-29268	69.3	69.8	0.5	<20	<10	<10	140	140	<0.5	■ Metagabbro, tr dissemin cpy
-29269	151.1	151.8	0.7	<20	25	<10	960	2500	<0.5	■ Metaperidotite, <3% py, cpy dissemin and blebs
-29270	151.8	152.3	0.5	20	265	<10	1100	5200	<0.5	■ Metaperidotite, 3% cpy dissemin + blebs, tr dissemin py
-29271	152.3	153.3	1.0	75	390	<10	1100	5700	<0.5	■ Metaperidotite, 3% py dissemin + blebs, 3% cpy dissemin + blebs
-29272	153.3	154.3	1.0	<20	90	<10	400	2700	<0.5	■ Metaperidotite, <3% py, cpy dissemin + blebs
-29273	154.3	155.2	0.9	25	205	<10	1200	5200	<0.5	■ Metaperidotite, 3% cpy dissemin + blebs, <3% py dissemin + blebs
-29274	155.2	156.2	1.0	<20	265	<10	1200	3430	<0.5	■ Metaperidotite, 3% dissemin cpy, <3% dissemin py
-29275	156.2	157.2	1.0	<20	130	<10	860	2190	<0.5	■ Metaperidotite, 3% dissemin cpy, <3% dissemin py
-29276	157.2	158.2	1.0	<20	80	<10	1200	2000	<0.5	■ Metaperidotite, 3% py dissemin + blebs, <3% cpy dissemin + blebs
-29277	158.2	159.2	1.0	<20	220	<10	1600	2700	<0.5	■ Metaperidotite, 3% py, cpy dissemin + blebs
-29278	159.2	160.2	1.0	<20	115	<10	1500	2600	<0.5	■ Metaperidotite, 3% py, cpy dissemin + blebs
-29279	160.2	161.2	1.0	<20	115	<10	1800	2700	<0.5	■ Metaperidotite, 3% py, cpy dissemin + blebs
-29280	161.2	162.2	1.0	<20	130	<10	1100	3100	<0.5	■ Metaperidotite, 3% py, cpy dissemin + blebs
-29281	162.2	163.2	1.0	<20	130	<10	920	3100	<0.5	■ Metaperidotite, 3% py, cpy dissemin + blebs

FALCONBRIDGE NICKEL MINES LTD.

SAMPLE RECORD

PROPERTY FAIRSERVICE OPTION PN 536

HOLE No. FO-4 SHEET No. 2

SAMPLE NO.	FROM Metres	TO Metres	LENGTH Metres	ASSAYS					ROCK TYPE & MINERALIZATION	
				Pt ppb	Pd ppb	Au ppb	Cu ppm	Ni ppm		Ag g/t
FOC-29282	163.2	164.2	1.0	<20	<10	<10	50	2100	<0.5	☒ Metaperidotite, 3% dissem cpy, tr dissem py
-29283	164.2	165.2	1.0	<20	130	<10	980	2900	<0.5	☒ Metaperidotite, <3% dissem cpy, tr dissem py
-29284	165.2	166.2	1.0	<20	130	<10	1270	3200	<0.5	☒ Metaperidotite, <3% cpy dissem + blebs, tr py dissem + blebs
-29285	166.2	167.1	0.9	<20	130	<10	1100	2300	<0.5	☒ Metaperidotite, <3% cpy dissem + blebs, tr py dissem + blebs
-29286	167.1	168.1	1.0	<20	165	<10	1800	3100	<0.5	☒ Metaperidotite, <3% cpy dissem + blebs, tr dissem py
-29287	168.1	168.9	0.8	<20	125	<10	1200	2300	<0.5	☒ Metaperidotite, <3% dissem cpy, tr dissem py
-29288	168.9	169.9	1.0	<20	125	<10	1100	2600	<0.5	☒ Metaperidotite, tr dissem py, cpy
-29289	169.9	170.4	1.0	<20	105	<10	960	2400	<0.5	☒ Metaperidotite, tr dissem py, cpy
-29290	170.9	171.9	1.0	<20	90	<10	1100	3000	<0.5	☒ Metaperidotite, tr dissem py, cpy
-29291	171.9	172.9	1.0	<20	75	<10	40	3100	<0.5	☒ Metaperidotite, tr dissem py, cpy
-29292	172.9	173.9	1.0	<20	55	<10	490	3400	<0.5	☒ Metaperidotite, tr dissem py, cpy
-34608	@138.0			<20	<10	<10	5	680	<0.5	☒ Chromite in metaperidotite, 18.5% Cr - Assay



Ministry of
Northern Affairs
and Mines

Report
of Work

DOCUMENT No.

W8801-004



52L07NE0007 25 REX LAKE

Mir

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Name: **Kidd Creek Mines Ltd.** Postal Address of Recorded Holder: **A35220**

Box 40 Commerce court West, Toronto, Ontario M5L 1B4

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 283.6	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only)	K	912483	20	K	912494	20			
	<input type="checkbox"/> Manual Work	912484	20		912495	20			
	<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work.	912485	20		912496	20			
	<input type="checkbox"/> Compressed Air, other Power driven or mechanical equip.	912486	20		912497	20			
	<input type="checkbox"/> Power Stripping	912487	20		912498	20			
	<input checked="" type="checkbox"/> Diamond or other Core drilling	912488	20		912499	20			
	<input type="checkbox"/> Land Survey	912492	3.6		912500	20			
	912493	20							

All the work was performed on Mining Claim(s): 912480, ²¹912741

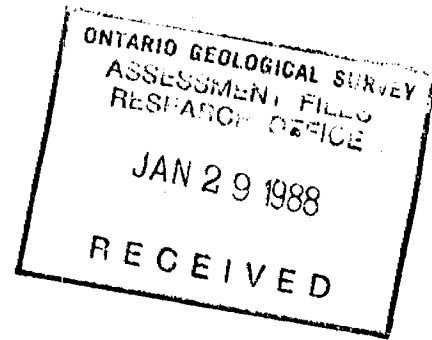
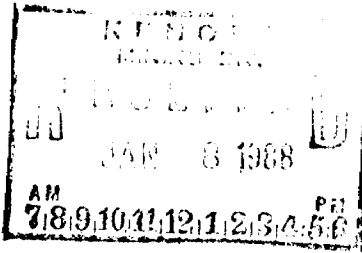
Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

DDH FO-4 194m (636.32 ft) dip 60° TO SOUTH

352.8 days remaining

Midwest Diamond Drilling
180 Cree Crescent

Drilling performed November 12 - 14, 1987
BQ core



Date of Report: Jan 6/88 Recorded Holder or Agent (Signature): *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: **R. B. Band 100-3074 Portage Avenue, Winnipeg, Manitoba R3K 0Y2**

Date Certified: Jan 6, 1988 Certified by (Signature): *[Signature]*

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	912478 Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	Work Sketch (as above) in duplicate
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.		
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil

912491



20N BL

912480

FO-4

60.0M

67.0M

L16W

REX LAKE

PN 536

921741

[Handwritten signature]

FALCONBRIDGE LIMITED

REX LAKE PROPERTY

FO-4

SCALE 1:2500

DRAWN GDS

DATE Jan. 1988

CATA BY DB/TB

[Faint, illegible text and stamp]

L18W

L17W

L16W

