PROJECT NUMBER: 5269

FALCONBRIDGE LIMITED DRILL HOLE RECORD

IMPERIAL UNITS:

ALTERNATE COORDS GRID: UTM

NORTH: C+ C EAST: C+ C ELEV: 280.00 LENGTH OF THE HOLE: 161.00M START DEPTH: 0.00M FINAL DEPTH: 161.00M

11/29/1995

COLLAR DIP: -45° 0' 0"

METRIC UNITS: X

DATE:

ELEV: COLLAR ASTRONOMIC AZIMUTH: 0° 0' 0°

PLCTTING COORDS GRID: REA95-05

GRID ASTRONOMIC AZIMUTH: C° C° C°

DATE STARTED: 10/23/1995 DATE COMPLETED: 10/26/1995 DATE LOGGED: 13/27/1995

CLAIM NUMBER: P1204793

LOCATION: REALME TOWNSHIP

COLLAR SURVEY: NO RÇD LOG: NO HOLE MAKES WATER: NO

PULSE EM SURVEY: NO FLUGGED: NO HOLE SIZE: BQ

CASING NM CORE STORAGE: MINESITE

CONTRACTOR: DOMINIE BRILLING

UTM CCORD :

COMMENTS : Moderate HLEM coincident/flanking mag high. WEDGES AT:

Two argillite beds (5g), fault zone; ultramafic.

NORTH: \$420855.32N

EAST: 487992.46E

290.CO

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Conments	Depth (M)	Astronomic Azimuth	Dip d e grees	Type of Test	FLAG	Comments
63.C0		-48° 3' 0°	A	СК		-	_			-	
129 03	• • •	-46* 0' 0*	A	OK		! -	_	_	-		
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HOLE NUMBER: REA42-01

DRILL HOLE RECORD

LOGGED BY: C.A. PETCH

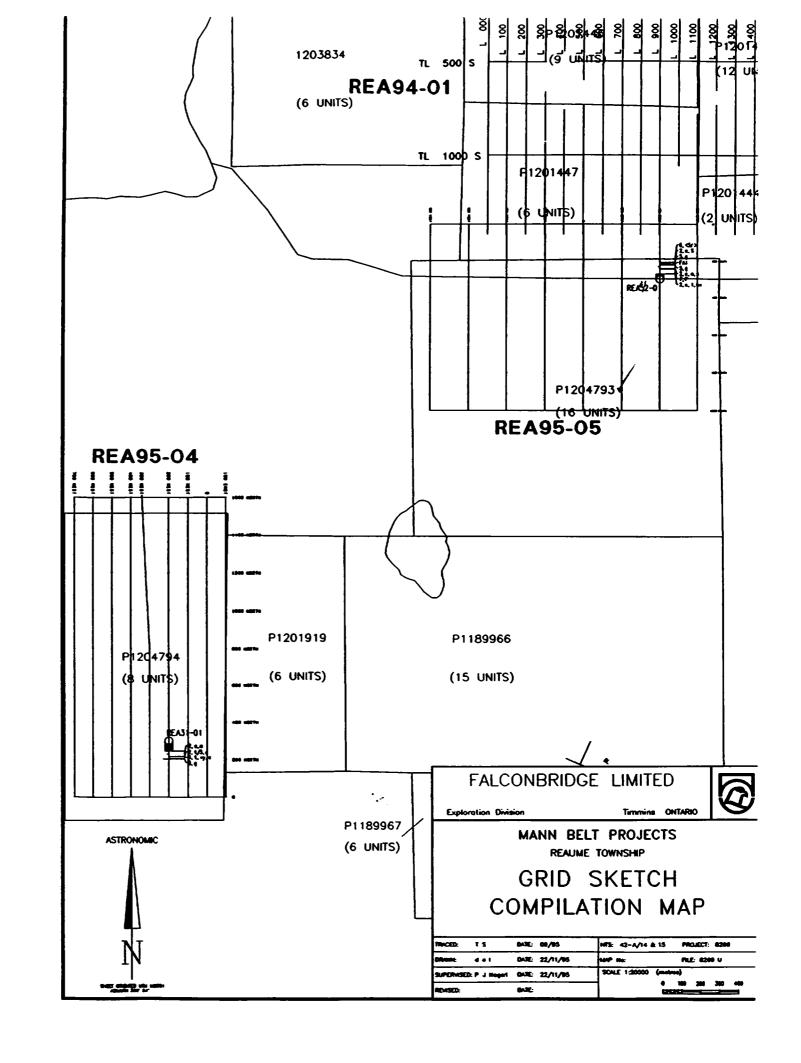
PAGE:

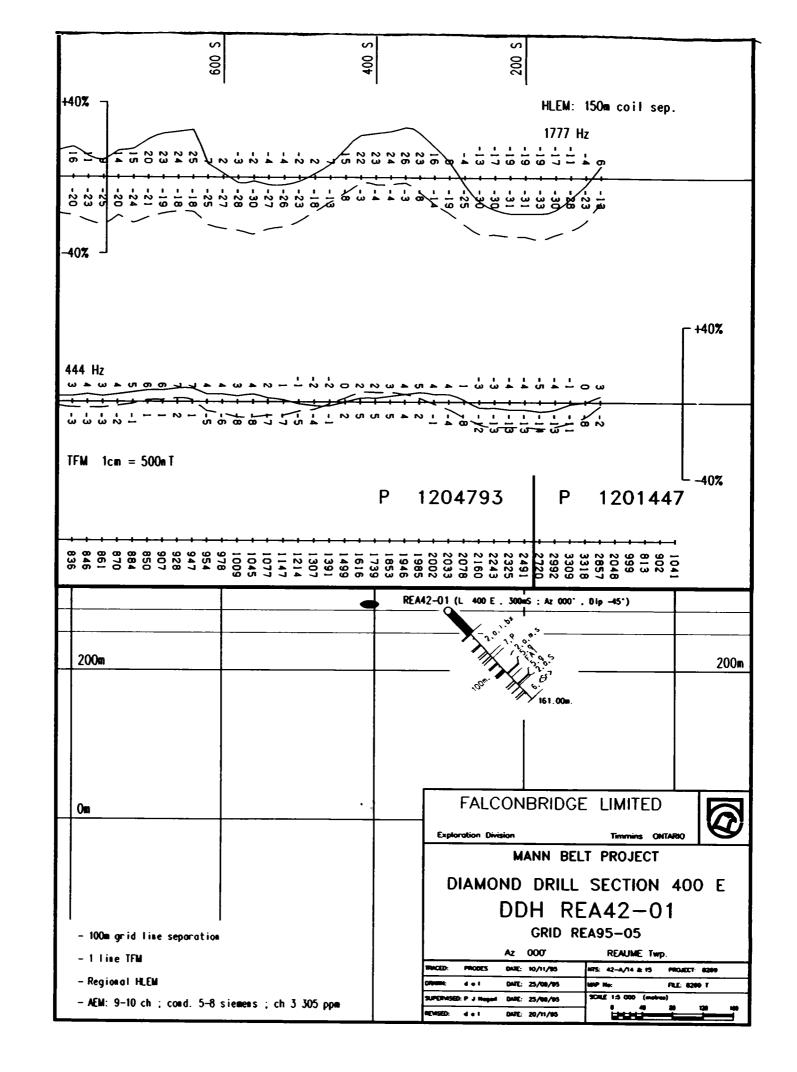
FROM TC	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA		 MINERALIZATION	 REMARKS
70 42 70						
TC	Mafic Volcanic Flows and Breccias 42,a,1,bx>	- fine grained, aphyric medium green with dark grey series of 1-3 metre wide flows with 1 metre wide flow breccias breccia intervals are comprised of tightly packed, poorly sorted, angular fragments that range in size from 0.5-10cm matrix is fine grained and dark grey to locally black suggesting a minor amount of carbon in the system weak alignment of fragments at 40*/ca 55.15-56.47m - coarse to medium grained interval with feathery feldspars(?), up to 50%, in a fine grained, medium grey matrix downhole contact is lost in ground core.		- cut by irregular quartz-carbonate veinlets and veins. Local quartz and carbonate ewhedra in vugs within these veins. - 46-52m - 10% of the larger fragments within brecciated intervals have dark green, 1-3mm, up to 30%, rounded spots that are interpreted as an alteration feature (retrograded condientes?). They do not have physical boundaries and appear to be chemical in nature. - 67-79.95m - rock has a paler green, bleached look and with up to 10% fine grained, bright green fuchsite. The alteration is most pronounced where mineralization is strongest. - 77.5-79.95m - 1-2mm wide, pale green veinlets??) groduce a net textured alteration pattern in both fragments and matrix. - minor medium grey, thin silica veinlets.	- matrix to the fragment commonly contains trace to 2% fracture-controlled pyrite with lesser pyrrhotite and sphalerite. - 74.9-73.95m - up to 4% fracture-controlled and finely disseminated pyrite and pyrrhotite, predominantly in the matrix but locally within altered fragments.	
TC	Mafic Intrusive 47.Ps	- dark grey, porphyritic 10-15%, 1 mm, subangular, subequant feldspars and 5%, 1mm, subrounded, irregular, medium green mafic (pyroxene?» phenocrysts in a fine grained, dark grey matrix weak fabric/foliation near downhole contact at 40°/ca downhole contact is sharp and irregular (intrusive) at 40°/ca.			- trace disseminated pyrite up to 0.5% fracture-controlled - pyrite.	- This unit may be a semi-conformable flow as the uphole mafic contact is altered and mineralized and whereas the downhole mafic contact is not. As a 33 metre-thick package of mafic volcanic rock and its associated alteration and mineralization patterns appear to be repeated on either side of the diorite, this location may also represent an intruded fault.
TO	Mafic Volcanic «2,a,m,s»	- fine grained, aphyric. - medium green. - similar to 42.00-79.95m. - series of flows and flow breccias with local in situ brecciation.		 rare fragments are rimmed by rust-brown iron oxide(?) mineral. This mineral is also seen along rare fractures that cross-cut mineralization. 	 trace pyrite with lesser pyrrhotite is predominantly fracture-controlled with minor carbonate. 	

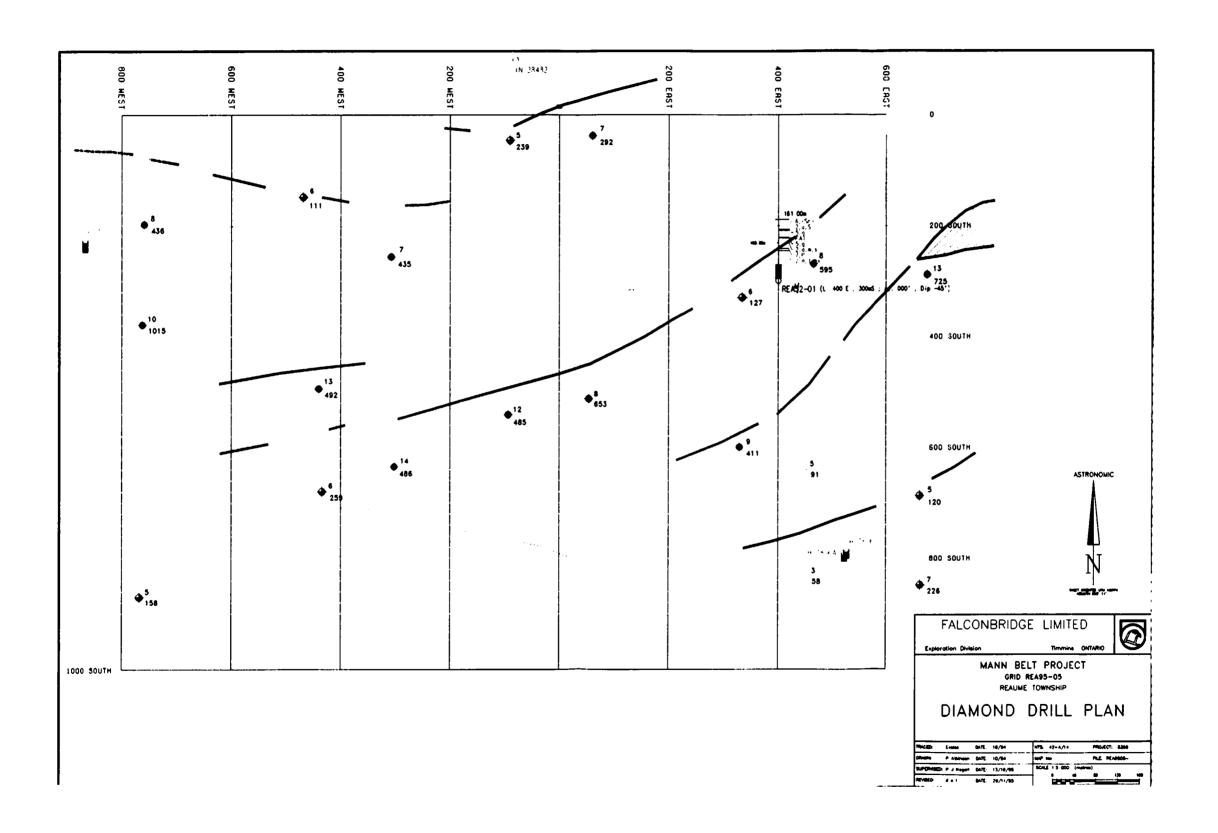
	DES NUMBER: REA42-01		DRILL HOLE RECORD			DATE: 11/29/1995	
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA		MINERALIZATION	REMARKS	
		- matrix is typically dark grey, carbon-rich - 89.98-90.22 - dark grey, feldspar - pyroxene porphyritic mafic dyke. Also at 105.1-105.75m. \$91.65-96.00\$\tilde{p}66?* - fine to medium grained, brownish-grey, granular textured. Contacts are gradational and irregular. Not magnetic, moderately soft (pyroxenite?) 106.73-108.04m - core breaks along irregular surfaces represented by 2cm long, pale green amphibole-like blades(?) that are randomly oriented. Surface of core is fine grained and no ccarse grained mineral is identifiable degree of alteration and mineralization, and argillite content in the matrix of the fragmental intervals increase approaching the downhole contact downhole contact is lost in ground core.		- 100m - alteration and fracture density increases downhole with the reappearance of fuchsite.	- 1100 - mineralization increases to up to 4% pyrite with winor dark brown pyrrhotite.		
	Graphitic Argillite «5,g»	- fine grained, dark grey and dark brown weakly laminated, with submillimetre to 3mm bands at 70*/ca initial 2 metres are ground with up to 50% argillaceous fault gouge.		 cut by irregular carbonate + quartz filled fractures with trace pink hematite(?). 	- It finely disseminated pyrite cubes (clmm) only locally appear to be concentrated in distinct beds.	- 114.7-115.Cm - core lost due to grinding.	
	Fault Zone « FAI »	- fine grained, pale green to medium grey 80% of the interval is highly strained, crumbly rock. Fabric is randcely oriented but the preferrred orientation is at 40%/ca 20% of interval is competent rock which is pale brown grey and soft, similar to the subinterval at 91.65-96.00. This may imply an ultramafic component to the zone downhole contact is sharp, faulted and at 50%/ca.	;		- ml.	 	
	Mafic Volcanic ∢2,a,⊕	fine grained with local granular texture. pale to medium green. massive, inhomogeneous interval. moderately soft, not magnetic. 5% of core has lum, pale green spots that locally coalesce (may be varioles or an alteration texture) giving core a granular texture. Thin, irregular interflow areas (1%) are dark grey to black and hard (siliceous), and dark brown and soft (argillacous).		 minor silica flooding. 1% quartz + carbonate veins. rare fine fractures with rust-red iron oxide staining. 	- trace disseminated pyrite is fracture-controlled and associated with the argillite rare 1-2mm pyrite cubes are fracture-controlled.		

						UA.E: .1/25/1595
FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA		MINERALIZATION	REMARKS
		- texture suggests a more ultramafic composition. - 126.42-125.94% - dark brown-grey feldspar porphyritic dyke. - downhole contact is in broken core.	 			
	Graphitic Argillite «5.g»	- fine grained. - dark brown to black. - rare. poorly developed, bands suggest weak - bedding. - variably foliated. - downhole contact is faulted at 65°/ca.			- rare pyrite in fractures with - carbonate. 	
	Mafic Volcanic «2.a,S»	- pale green grey, fine grained, weakly granular. - similar to 121.52-132.65% except that the interval is strongly fractured and moderately sheared. - moderately magnetic, moderately soft. - downhole contact is sharp at 75°/ca.		- 1%, reddish, iron oxide stained veinlets.	- trace pyrite trace thin bands of pyrrhotite within the highly strained intervals rare fine grained brown mineral (sphalerite?).	
	Ultranafic	- dark blue-grey with emerald green. - fine to medium grained, weak feathery textured. - strongly magnetic, soft		 moderate to strong pervasive serpentine alteration gives rock an emerald green hue. serpentine also found in fractures with carbonate. common reddish brown stain on fracture surfaces (hematite?). 	 - trace disseminated pyrate. 	
161.00 TC 161.00	<pre>#EOH> End-of-hole </pre>				 	; -

HOLE NUMBER: REA42-01 LOGGED BY: C.A. FETCH PAGE: 4









Report of Work Conducted After Recording Claim

Mining Act

Personal information collected on this form is obtained under the authority of the this collection should be directed to the Provincial Manager, Mining Lands, & Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.



900

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Instructions: - Please type or print and submit in duplicate.

- Refer to the Mining Act and Regulations for requirements of filing assessment work or consult the Mining
- A separate copy of this form must be completed for each Work Group.
- Technical reports and maps must accompany this form in duplicate.

- A SKOU	cn, snowing the claim	s the work is assign	ed to, must accompa	any this	form.
Recorded Holder(s)					Client No.
Address	BRIDGE L	IHITED .			130679 Telephone No.
P.O. BOX 1140	STI MONETA AV	E. TIMMINS,	DWTARLO PHN:	7119	(705)267-1188
Mining Division PORCUP	INF	Township/Area REA		1	M or G Plan No.
Dates Work From:				<u>. </u>	
Performed	C'cho bec	-23,1975	To: Octo	ber	26,1995
Vork Performed (Chec	k One Work Group C	nly)			
Work Group			Туре		
Geotechnical Survey					
Physical Work, Including Drilling	DOMINIK	DRILLIN	6 (ddh	REAL	12-01; 161m
Rehabilitation				<u> </u>	
Other Authorized					RECORDED
Work		- 			PRO 0 4 1000
Assays				1	DEC 0 4 1995
Assignment from Reserve				Rec	pipt
Total Assessment West	Olehend		· · · · · · · · · · · · · · · · · · ·		Alexander and a second or other address of
otal Assessment Work Note: The Minister ma				// (
Persons and Survey C	company Who Perfor	imed in the statemer	nt of costs within 30	days of	k submitted if the recorded a request for verification. for of Report)
	<u>ne</u>		Addr	033	
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attach a schedule if nec	:essary)	L			1
ertification of Benefic	cial Interest * See I	Note No. 1 on revei	se side	•	, i
I certify that at the time the report were recorded in the cuby the current recorded hole	ullent holder's name or held :	ilms covered in this work under a beneficial interest	Nov. 28, 1995	Recorded I	folder or Agent (Signature)
ertification of Work F		•	1	<u></u>	ustine 1261
I certify that I have a person its completion and annexed lame and Address of Person (nal knowledge of the facts I report is true.	set forth in this Work rep	ort, having performed the	work or v	vitnessed same during and/or after
ARISTING PETCH	_	531 W	O. T.	_	NO PHN 7H9
elepone No.	Date	1 3 / () (GASETA	Certified By (Signature)	ONTA	MB F4N 7H9
(705)267-11	88 NOVEMB	ER 28, 1995		-	
or Office Use Only		1	Laus	una	- It-lat
Total Value Cr. Recorded	Date Recorded	[A II]	1:		Parpones
1/6/1.	Deemed Approval Date MARCH 3 9 Date Notice for Amendments	Mining Recor			DEC 4 1995
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(41 (03/91)			·	PORC	CUPINE MINING DIVISION



Ministry of Northern Development and Mines

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation



Transaction No./N° de transaction W9560, 00523

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recuelifis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la coîlece de ces renseignements au chei provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4º étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Туре	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain	1200	1200
Contractor's and Consultant's	Dominin	1935,63	
Droits de l'entrepreneur		1494,33	
et de l'expert- conseil		, rect	9551
Supplies Used Fournitures utilisées	CORE RACKS	JIC	
	Туре		110
Equipment Rental Location de	TRUCK-TILIXN	350°	
matériei	ATV	950°00	
	RADO CELLARONE	50°°	kso
	11511		

2. Indirect Costs/Coûts Indirects

Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

O TTENUE				
Туре	Descrip	otlon	Amount Montant	Totals Total global
Transportation Transport	Type GrASC:	LINE	100	
]
				160
Food and Lodging Nourriture et hébergement				
Mobilization and Demobilization Mobilisation et démobilisation				
	Total partiel	al of Indir	Indirects	100
lmount Allowable (fontant admissible	not greater than (n'excédant pas	20% of Dis		100
otal Value of Asse Total of Direct and Andirect costs)	sament Credit	Valeur totali d'évaluation (Total des col	e du crédit	11611

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

	Total Value of Assessment Credit	Total Assessment Claimed
į	× 0.50 =	

Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achévement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du prédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Veleur totale du crédit d'évaluation	Evaluation totale demandée
× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:

that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as CHRISTINE BIGHT I am authori

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :

que les montants indiqués sont le plus exact possible et que cos dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titr	e de	représentant.	nosta nosual	je	suls a	utoris
	me errefield	iabiasautsuf.	POSTS OCCUPS	dans le corr	(einoacu	

à faire cette attestation.

	Signature	Pelex	Date Nov. 28/95
Note : Dans cette fo	ormule, lorsqu	'Il désigne des personnes, le n	nasculin est utilisé au sens neutre.

60 Wilson Avenue Timmins, Ontario P4N 2S7

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

(705) 360-8330 Fax: 360-2001

File: W9560.00523

April 15, 1996

Falconbridge Limited P.O. Box 1140 571 Moneta Avenue Timmins, ON P4N 7H9

Subject: APPROVAL OF ASSESSMENT WORK SUBMITTED ON MINING CLAIMS P-1204793 et al in REAUME TOWNSHIP

A Notice of Deficiency was not issued on this Report of Work prior to the 90 day deemed approval date and as outlined in subsection 6(5) of the Mining Act Regulations this Report of Work is deemed approved as of MARCH 3, 1996.

If you require further information please contact Terry Binkley at (705) 360-8338.

Yours sincerely,

Dale Messenger

Acting Mining Recorder Porcupine Mining Division

1080 rue Echo, P.O. Box 247 Val D'Or, Québec J9P 4P3

Γel.: (819) 824-6839 Fax.: (819) 824-4217





INVOICE 6206

Falconbridge limited P.O. Box 1140 571 Moneta Avenue Timmins (Ontario) P4N 7H9

Octobre 31, 1995

TPS 89895 4896 TVQ 10175 04424

OCTOBER 16-31/1995 SURFACE DIAMOND DRILLING BO DUFF TWP DRILL NO. 6

Hole no. REA-55-01

15.00 m casing x 41.80 =627,00 From 0.00 to 15.00 =15,00 to 30,00 = $15,00 \text{ m casing } \times 46,80 =$ 702,00 7.00 m casing x 56.80 =397,60 30.00 to 37.00 =113,00 m coring x 41,80 = 4 723,4037,00 to 150,00 =47,00 m coring x 43,55 = 2 046,85150.00 to 197.00 =

Hole no. REA-43-01

0.00 to 15.00 =15,00 m casing x 41,80 =627,00 From 15,00 to 24,00 =9,00 m casing x 46,80 =421,20 24,00 to 150,00 = $126,00 \text{ m coring } \times 41,80 = 5 266,80$ 50,00 m coring x 43,55 = 2 177,50150,00 to 200,00 =

Hole no. REA-32-01

 $15,00 \text{ m casing } \times 41,80 =$ 627,00 0.00 to 15.00 =From 702,00 15,00 to 30,00 =15,00 m casing x 46,80 =681,60 30.00 to 42.00 =12,00 m casing x 56,80 =108,00 m coring x 41,80 = 4 514,4042,00 to 150,00 =150,00 to 161,00 = $11,00 \text{ m coring } \times 43,55 =$ 479,05

7004.05 x 490.28= 7494.33

Hole no. REA-31-01

15,00 m casing x 41,80 =627,00 From 0.00 to 15.00 =15,00 to 30,00 =15,00 m casing x 46,80 =702,00 15,00 m casing x 56,80 =30.00 to 45.00 =852,00 45,00 to 60,00 =15,00 m casing x 76,80 = 1 152,0060,00 to 77,00 =17,00 m casing x cost = $61,00 \text{ m coring } \times 41,80 = 2549,80$ 77,00 to 138,00 =Cost : 20 man hrs x 23,50 =470,00 10 drill hrs \times 22,00 = 220,00

\$ 30 566,20 2 139,63 < \$ 32 705,83

7% GST

1080 rue Echo, P.O. Box 247 Val D'Or, Québec J9P 4P3

Tel.: (819) 824-6839 Fax.: (819) 824-4217



Page 002 No 6206

CON'T:

ANALYSES:

REA-5501: sperry sun test at 60m,120m,180m. REA-4301: sperry sun test at 60m. REA-5201: sperry sun test at 45m,60m,120m. REA-3101: sperry sun test at 77m.

8 sperry sun test n/c

OTHER COSTS:

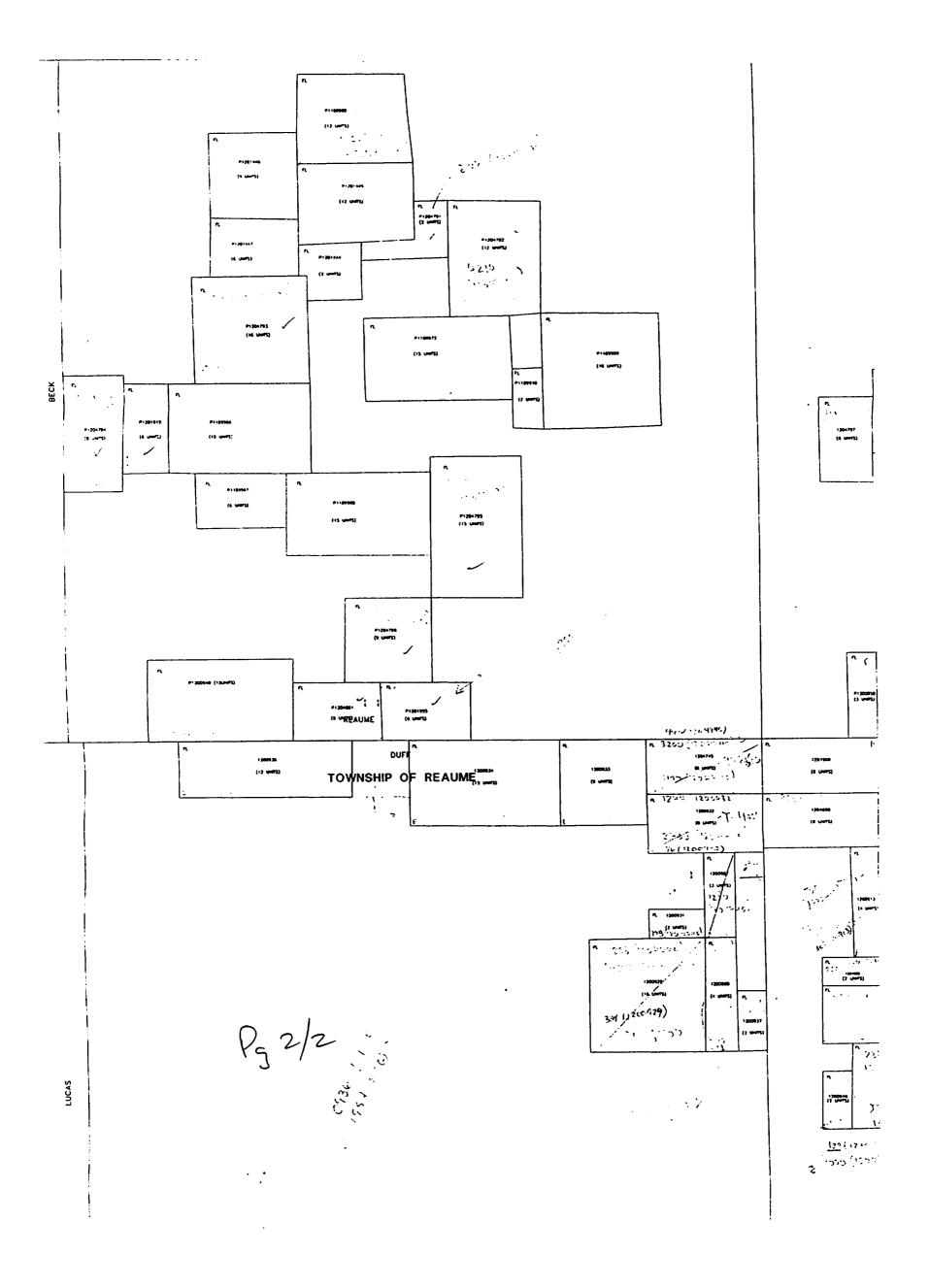
(move on hole REA-5501) Oct. 16: 14 man hrs Oct. 17: 24 man hrs Oct. 17 : 8 float hrs (Oct. 17: 1 tractor hr((finishing move REA-5501) Oct. 18: 12 man hrs Oct. 18: 2 tractpr hr(" (move on hole REA-4301) 20 : 16 man hrs 20 : 2 tractor hr(" (move on hole REA-201) Oct. 22: 6 man hrs 44x 23. 1034 (build bridge) 23 : 16 man hrs Oct. 23: 3 muskeg hrs(build bridge all wood) 3x45 = 135 Oct. 23 : 12 man hrs (move, build bridge) 8 x 80 : 640 Oct. 23: 3 tractor hr(" # 1809 11 Oct. 24: 10 man hrs + 126.63 Ħ Oct. 24: 5 tractor hr(Oct. 26: 18 man hrs (move on hole REA-3101) Oct. 26: 5 tractor hr("

> 128 man hrs x 23,50 = 3 008,00 8 float x 70,00 = 560,00 18 tractor hrs x 80,00 = 1 440,00 3 muskeg hrs x 45,00 = 135,00

> > 7% GST

\$ 5 143,00 360,01 \$ 5 503,01

Core boxxes. 119 m = 10 m/px x \$5.7 /bx = 1141.01 + 7.98 = 1122.02



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