

GM 36996

DIAMOND DRILL RECORD, MELROSE EXPLORATIONS PROPERTY

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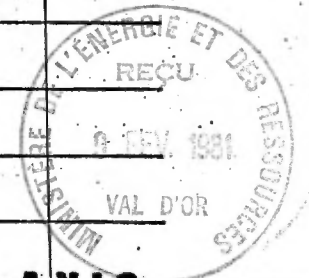
1980 Base line is western extension of centre line of Ave. Des Pins to N.S. Range line, which point is 0+00.

DIAMOND DRILL RECORD

PROPERTY Inelrose Explorations HOLE No. M-1
 SHEET NUMBER 1 SECTION FROM TO P.S. STARTED November 7, 1980
 LATITUDE Line 3E 1625 N. DATUM COMPLETED November 15, 1980
 DEPARTURE and 20' West. BEARING N. 30° E 100' = 10" ULTIMATE DEPTH 600
 ELEVATION 1980 Base line 50' in front of 80-6. DIP +5° 245' = 46, 500' = 43" PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						Gold	
0 - 72	Casing						
72 - 154	Fractured, light pink slates, very sparse pyrite or chalc.						
	Fractured, light pink slates, very sparse pyrite or chalc.	M-1-1	82.5	84	1.5		
		2	180	182	2.0		
154 - 161	Altred zone, moderate shaly, pink colour. Little hematite, and green epidote. Quartz veins up to 1 foot wide and scattered patches of vein quartz, white to grey.	3	154	156	2.0		
	Fractured, fully brecciated. Sparse pyrite fine grained.	4	156	158	2.0		
		5	158	160	2.0		
		6	160	162	2.0		
		7	162	164	2.0		
		8	164	167	3.0		

Ministère de l'Énergie et des Ressources
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187-24-9-73

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1-4-3-1

DIAMOND DRILL RECORD

PROPERTY M. Glass Exploration HOLE No. M-1
 SHEET NUMBER) SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

DEPTH FEET <small>80± ft.</small>	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
							Gold	
167-492	Shale with							
	50% fine grey alteration. Little consolidated fine pyrite. Weak foliation	1-9	184	189	5.0		0.01	
	1 inch white glauconite in fines gained grey alteration. Sp. pyrite	10	303.5	309	0.5		0.01	
	Fine grey alteration. Weak shear. Sp. pyrite	11	307	308	1.0		0.02	
	at 430 1/4 inch stringer of 436-440: Ground core							
	1 inch pink g.d. with sp. pyrite at end of grind at 440	12	440		1 inch		Trace	
492-501	5' Shale, altered zone with 9. feet weak pyrite mineralization and fine grey alteration.	13	492	495	3.0		nil	
		14	495	498	3.0		Tr	
		15	498	501	3.0		Tr	

DIAMOND DRILL RECORD

PROPERTY Melrose Exploration HOLE No. M-1

SHEET NUMBER 3 SECTION FROM TO STARTED

LATITUDE DATUM COMPLETED November 17, 1980

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
501-600	<i>Diomedea</i>							
	576-581. S. Seared altered	16-1	576	577	2.0			
	as above, S. Seared slightly. Fine	17	578	580	2.0			
	fly shengese	18	580	581	1.0			
	597-599. Wash shear,	19	597	599	2.0			
	little quartz							
	End Hole 600'							

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DIAMOND DRILL RECORD

PROPERTY Melrose Exploration Onclusion Twp. HOLE No. M-2
 SHEET NUMBER 1 SECTION FROM TO P.Q. STARTED November 18, 1980
 LATITUDE Line 3E. 1400 N. DATUM COMPLETED Nov. 21, 1980
 DEPARTURE Between 80-6 & 80-7 BEARING N. 30° E ULTIMATE DEPTH 449
 ELEVATION 1980 Base Line DIP 45 at 150' = 45° 449' = 47° PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
0 - 64	Casing							
64 - 185	Granodiorite							
	Several narrow, 1 inch, altered, and one 1/4" gtz veinlet	2-1	67	67	2.0		tr.	
	Few grains of pyrite							
	two 1/4 inch veinlets of blue gtz with little pyrite veinlets dip in opposite directions	2	87	87.5	0.5		nil	
	Narrow weak shales & fractures	3	95	97	1.0		nil	
	Fine gray alluvium Sp. pyrite 1/2 inch gtz veinlet	4	120	120.5	0.5		nil	
	Weak shales, sparse pyrite	5	172	173.5	1.5		nil	
185 - 197	altered, heavily jointed							
(19.0)	dyke, fine gtz veinlet, C.A. 70°							
	Very sparse pyrite							



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DIAMOND DRILL RECORD

PROPERTY Melrose Explorations HOLE No. M-2
 SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

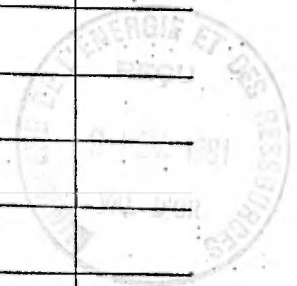
DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
	as above	6	185	188	3.0		nil	
	" "	7	188	191	3.0		nil	
	" "	8	191	194	3.0		nil	
	" "	9	194	197	3.0		nil	
197 - 449	Isenoldite							
	Vertical clay core. No pyrite	10	216	217	1.0		nil	
	Vertical clay core	11	225	226	1.0		nil	
	West 5' horizon alteration. Sp. pyrite	12	268	272	4.0		nil	
	as above	13	393	398	5.0		nil	
	Little pyrite, partly pink. as above	14	406	408	2.0		0.02	
	408-417: Ground core		408	417	9.0		Ground Core	
	End hole 449							

A. G. Simpson

DIAMOND DRILL RECORD

PROPERTY M. & J. Gifford Dubuque, Iowa HOLE No. M-3
 SHEET NUMBER 1 SECTION FROM TO P.2 STARTED Nov. 21, 1980
 LATITUDE 126.0 N. 72.0 E DATUM COMPLETED Nov. 26
 DEPARTURE 1980 Rose Line BEARING N. 30° E ULTIMATE DEPTH 308
 ELEVATION 250' S.E. of discovery DIP 50° at 300' = 48° PROPOSED DEPTH
Plot # 82-5

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
0-48	Casing							
48-204	Trinodine?							
	Porphyry dyke. Pink. Siliceous	2-1	83	84	1.0		tr	
	" " " "	-2	88.5	91	2.5		mil	
	124-126. Porphyry dyke. No pyrite	-3	124	126			tr	
	150-167 Weak shearing, alteration, little pyrite and few patches of vein quartz.	-4	160	167	7.0		tr	
	183-188. altered, little pink dyke material. Siliceous pyrite	-5	183	188	5.0		tr	
	altered, stinger to rock shearing, sparse pyrite	-6	188	193	5.0		tr	
204-240	Few dy veins, little Pink alteration.	7	204	209	5.0		tr	
		8	209	214	5.0		tr	
		9	214	219	5.0		0.06	



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DIAMOND DRILL RECORD

PROPERTY Melrose Explorations HOLE No. M-3

SHEET NUMBER 2 SECTION FROM TO STARTED

LATITUDE DATUM COMPLETED 1/15/26

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
							Gold	
	Stratified shewing 214-230.	3-10	219	221	2.0		0.01	
	Few bluish grey micrites. C.H.	11	221	223	2.0		nil	
	± 45. Mass shales in	12	223	225	2.0		tr	
	holes 80-5 and 80-6,	13	225	227	2.0		tr	
	but lacking narrow massive pyrit.	14	227	230	3.0		tr	
	micrite							
		15	230	235	5.0		tr	
		16	235	240	5.0		tr	
240-308	Ironoxidized							
	251-254: Pink. Pinkish grey depth							
	not mineralized.							
	End Hole 308							

DIAMOND DRILL RECORD

PROPERTY Melrose Explorations

HOLE No. M-4

SHEET NUMBER 1

SECTION FROM TO

STARTED November 27, 1980

LATITUDE 1080 E. 1060 N.

DATUM

COMPLETED December 2

DEPARTURE 1980 Base line

BEARING N. 30° E

ULTIMATE DEPTH 450

ELEVATION 240' W. of Carrera Bay
100' S. of Genl. Forest

DIP 52° at 250' = 49° 450' = 47°

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
0 - 60							
60 - 852	Granodiorite						
	Well sheared, fine grained alteration	4-1	97	98.8	1.8		0.01
	Two narrow qtz veins. Sp Pyrite						
		→ 2	173.5	177.5	4.0		tr
	02 above. Four qtz veinlets 1/2"						
	1" veinlet. 30° C.A.	3	227	227.5	0.5		0.01
	8 splashes of qtz. Few grains pyrite		233	234	1.0		0.01
252 - 276	Partly well sheared, altered,	5	252	255	3.0		0.01
(24)	silicified, few qtz veinlets	6	255	258	3.0		tr
	sparse pyrite. Little pink	7	258	261	3.0		tr
	dike material	8	261	264	3.0		tr
		9	264	267	3.0		tr
		10	267	270	3.0		0.01

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DIAMOND DRILL RECORD

PROPERTY Milrose Explorations HOLE No. M-4
 SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						Gold	
		11	270	273	3.0	0.01	
	274-275. Barren white qtz vein	12	275	276	3.0	tr	
276-354	Granodiorite						
	Pink alteration. Sparse coarse pyrite	13	305.5	306.5	1.0	tr	
	" " " " " "	14	306.5	308	2.0	tr	
	and narrow qtz veins etc						
	Weak shears altered. Little pinkish banding. Sparse pyrite	15	337	339	2.0	tr	
	Fine grained alteration. Sparse pyrite	16	344	347	3.0	tr	
3254-370	Medium to weak shearing, some pink alteration banding	17	354	357	3.0	tr	
	Siliceous, chloritized	18	357	360	3.0	tr	
	Sparse pyrite. Few thin	19	360	365	5.0	tr	
	quartz stringers	20	365	370	5.0	tr	

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DIAMOND DRILL RECORD

PROPERTY Melrose Explorations HOLE No. M-4 A
 SHEET NUMBER 1 SECTION FROM TO STARTED November 1980
 LATITUDE same as DATUM COMPLETED
 DEPARTURE hole 4 BEARING ULTIMATE DEPTH 132
 ELEVATION DIP 95 PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
0-70	Casing						
70-132	Trondhjemite						
	Weak shear, fine gr. alteration, two 1/2" qty v. calc. Sp. sp. etc.	AA-1	106	107	1.0		0.01
	End Hole 132						
	Hole lost when rods jammed in sand cave.						
	Change angle to 52° and drill again						



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DIAMOND DRILL RECORD

PROPERTY Melrose Explorations

HOLE No. M-5

SHEET NUMBER 1

SECTION FROM TO

STARTED December 2, 1980

LATITUDE 260°E 670'N.

DATUM

COMPLETED December 5, 1980

DEPARTURE 1980 Base line

BEARING N. 30° E

ULTIMATE DEPTH 620

ELEVATION 445' behind M-4

DIP 45° at 250' = 43

600' = 45

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						Gold	
0-90	Casing						
90-212	Granodiorite						
	at footage 141 + 144 two narrow qty veinlets in sample	5-10	141 + 144		0.2		tr
212-226	Sheared, altered, little quartz. Few qty veinlets or above	11	212	217	5.0		nil
		12	217	222	5.0		nil
		13	222	226	4.0		nil
226-409	Granodiorite						
	5 qty veinlets each 1/2" all in sample.	14	270	274	4.0		tr
	Sheared, altered. One 1/2" veinlet	15	337	342	5.0		tr

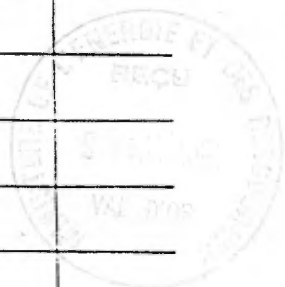
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DIAMOND DRILL RECORD

PROPERTY Melrose Explorations HOLE No. M-5
 SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
						Gold		
409-427	alted, a bed, some pyrite	5-16	409	413	4.0	nil		
	few qty veinlets							
	90% vein qty with good pyrite.	17	413	414	1.0	0.02		
	as 409-413.	18	414	420	6.0	tr		
	as above	19	420	427	7.0	nil		
427-444	See page 3							

DIAMOND DRILL RECORD

PROPERTY *Malrose Exploration*

HOLE No. *M-5*

SHEET NUMBER *3*

SECTION FROM TO

STARTED

LATITUDE

DATUM

COMPLETED

DEPARTURE

BEARING

ULTIMATE DEPTH

ELEVATION

DIP

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
							Gold
<i>427-442</i> <i>(15)</i>	<i>Altered, shered, pyrite, quartz veinlets, and one solid vein 5 feet.</i>						
	<i>As above, few qty veinlets.</i>	<i>1</i>	<i>427</i>	<i>- 430</i>	<i>3.0</i>		<i>nil</i>
	<i>" " " "</i>	<i>2</i>	<i>430</i>	<i>432.5</i>	<i>2.5</i>		<i>tr</i>
<i>5.0'</i>	<i>Vein quartz, 5 mesh, white little pyrite</i>	<i>3</i>	<i>432.5</i>	<i>433.5</i>	<i>1.0</i>		<i>0.01</i>
	<i>" " Splashes coarse pyrite and chalcopyrite.</i>	<i>4</i>	<i>433.5</i>	<i>434.5</i>	<i>1.0</i>		<i>0.30</i>
	<i>" " Sparse pyrite</i>	<i>5</i>	<i>434.5</i>	<i>435.5</i>	<i>1.0</i>		<i>0.06</i>
	<i>" " 20% mesh. Fine pyrite</i>	<i>6</i>	<i>435.5</i>	<i>437.5</i>	<i>2.0</i>		<i>0.02</i>
	<i>Altered, shered, quartz, sp. pyrite</i>	<i>7</i>	<i>437.5</i>	<i>440.0</i>	<i>2.5</i>		<i>0.01</i>
	<i>as above</i>	<i>8</i>	<i>440</i>	<i>442</i>	<i>2.0</i>		<i>0.01</i>
	<i>Weak shearing, little pyrite</i>	<i>9</i>	<i>442</i>	<i>444</i>	<i>2.0</i>		<i>0.01</i>

4.0 = 0.10

DIAMOND DRILL RECORD

PROPERTY Melrose Explorations HOLE No. M-5
 SHEET NUMBER 4 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH 620
 ELEVATION D'P PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
444-620	Granodiorite						3.6	
	Sheared, weak. One 1" vein. S.P. A/F Itc.	20	472	475.5	3.5		nil	
	Two narrow veins. Little quartz	21	478	480.5	2.5		nil	
	Sheared, narrow qtz. tourmaline.	22	490	495	5.0		nil	
	Little quartz	23	495	500	5.0		tr	
	as above.	24	500	505	5.0		Tr	
	60% vein qtz + pink dyke. Little quartz	25	578	580	2.0		nil	
	60% pink dyke. 20% quartz	26	586	590	4.0		0.05	
	20% granodiorite. S.P. quartz							
	Pink dyke. Little quartz	27	592	593	1.0		tr	
	End hole 620							

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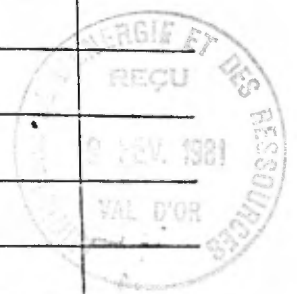
W. R. Ingham

DIAMOND DRILL RECORD

PROPERTY Melrose Explorations HOLE No. M-6
 SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED December 6
 LATITUDE 66°E 325 N. DATUM _____ COMPLETED December 10
 DEPARTURE 1980 Base Line BEARING N. 30° E ULTIMATE DEPTH 500
 ELEVATION 60' E. of 80-4 DIP 45° at 250 = 44° 500 = 42° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
						Gold	Silver	Copper
0-45	Casing							
45-500	Gneodiorite							
	Ordinary gd. Few specks pyrite.	M-6-1	48	49	1.0	nil		
	Altered, fractured, bleached → on sides of blue qtz veins 1 inch wide which is 50%	2	49	50	1.0	0.03 tr		0.84%
	Chalcopyrite, sphalerite and pyrite trace Gold, Silver, Copper.							
	Half ordinary gd. half altered. →	3	50	51	1.0	0.01		
	Fractured, altered, 95% vein quartz and sparse pyrite.	4	57	59	2.0	tr		
	as above but 5% vein qtz	5	60	63	3.0	tr		
	as above	6	70	71	11.0	0.02		

(Proximate sulphides section badly ground, considerable loss, so put all remainder in sample Co # 2)



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DIAMOND DRILL RECORD

PROPERTY Inelore Explorations HOLE No. M-6
 SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
	as above	7	72	73	1.0		Gold	
	as above	8	74.5	75.5	1.0		tr	
	" "	9	75.5	78	2.5		tr	
	" "	10	78	82	4.0		tr	
	" "	11	82	86	4.0		0.03	
	Zone 70-86 = 16.0 feet							
	C.A. 70° across core							
	90-110: Pinkish colored feldspar:							
	Seams of blue quartz ^{1/4 to 1/2" wide} and epidote with pyrite in walls, along core.							
		12	160	161	1.0		0.09	
	Venlets along and across core	13	197	199	2.0		tr	

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DIAMOND DRILL RECORD

PROPERTY *Melrose Explorations* HOLE No. *M-6*
 SHEET NUMBER *3* SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						Gold	
	<i>Weak shearing, altered, barren</i>	<i>14</i>	<i>225</i>	<i>230</i>	<i>5.0</i>	<i>tr</i>	
	<i>white vein quartz 2" up to 10"</i>	<i>15</i>	<i>230</i>	<i>235</i>	<i>5.0</i>	<i>tr</i>	
	<i>Sparse pyrite. C.A. 70°+ along</i>	<i>16</i>	<i>235</i>	<i>240</i>	<i>5.0</i>	<i>nil</i>	
	<i>Zone = 15.0 feet</i>						
	<i>As above. Stronger shearing.</i>	<i>17</i>	<i>278</i>	<i>282</i>	<i>4.0</i>	<i>0.03</i>	
	<i>70° C.A. Little blue quartz.</i>						
	<i>Weak shear. altered, fine</i>	<i>18</i>	<i>351</i>	<i>357</i>	<i>6.0</i>	<i>0.01</i>	
	<i>grained, sparse pyrite. Few</i>						
	<i>thin quartz white stringers</i>						
	<i>C.A. 30°</i>						
	<i>Two 1" white veins off with wall</i>	<i>19</i>	<i>313</i>	<i>374</i>	<i>1.0</i>	<i>tr</i>	
	<i>rock alteration. Very little pyrite</i>						
	<i>Veinlet of blue quartz in and out</i>	<i>20</i>	<i>372.5</i>	<i>375.5</i>	<i>3.0</i>	<i>tr</i>	
	<i>along core. little pyrite in walls</i>						

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DIAMOND DRILL RECORD

PROPERTY Melrose HOLE No. M-6
 SHEET NUMBER 4 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH 500
 ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						<u>add</u>	
	<u>Weak shear. Altered. One veinlet blue</u>	<u>6-21</u>	<u>393</u>	<u>398</u>	<u>5.0</u>	<u>nil</u>	
	<u>quartz. Sparse pyrite</u>						
<u>425</u>	<u>Fractured, pink feldspar,</u>	<u>22</u>	<u>435</u>	<u>442</u>	<u>7.0</u>	<u>nil</u>	
	<u>few quartz stringers, little pyrite</u>						
	<u>472-483. Weak shear, not</u>						
	<u>mineralized</u>						
	<u>Half white quartz, rest altered granod.</u>	<u>23</u>	<u>491.5</u>	<u>492.0</u>	<u>0.5</u>	<u>tr</u>	
	<u>sparse pyrite</u>						
	<u>End hole 500</u>						

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J. S. Johnston

DIAMOND DRILL RECORD

PROPERTY Melrose HOLE No. M-7
 SHEET NUMBER 1 SECTION FROM TO STARTED December 12, 1980
 LATITUDE 955 E. 5 45 N. DATUM COMPLETED December 15
 DEPARTURE 1982 Base Line BEARING N. 30° E ULTIMATE DEPTH 300
 ELEVATION On line between M-4 DIP 45° at 300' = 45° PROPOSED DEPTH
M-5

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES	
						Gold	
0 - 75	Casing						
75 - 300	Granodiorite						
	7 narrow qtz veins between footage 85 to 95. Seven samples	M-7-1	total 2 feet			0.01	
	altered rock showing few veins quartz, little pyrite	2	105	110	5.0	tr	
	or above	3	110	115	5.0	nil	
	" "	4	115	120	5.0	0.01	
	" "	5	120	125	5.0	tr	
	Quartz veins (1 1/2" white quartz, no pyrite): at 136, 159, 167, 208, 212, 237 and 259.						

107-24-9-73

DRILLED BY

Benoit D. D. Co.

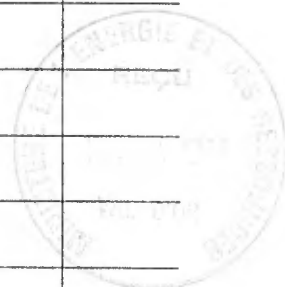
SIGNED

J. R. Ingles

DIAMOND DRILL RECORD

PROPERTY Melrose Explorations Dubuque Twp. HOLE No. 86-4
 SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED February 4, 1950
 LATITUDE 600' E. and 250' S. of DATUM _____ COMPLETED February 7
 DEPARTURE N.W. corner of claim BEARING S. 30° W. ULTIMATE DEPTH 653
 ELEVATION 342.271-3 DIP 50° 200' ± 47°, 400' ± 45°, 600' ± 41° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
						glt		
0 - 38	Casing in overburden							
38 - 175	Granodiorite. Grey.							
	Quartz vein. Tourmaline	4-1	67	68	1.0	mil		
	73-75: sheared							
	Qtz vein. Well-sorted altered & pink	4-2	173	174	1.0	tr		
195 - 260	Granodiorite. Some basic							
260 - 380	Granodiorite. Sheared, altered.							
	Shear zone. Silicified Carbonates							
	Spars pyrite.	4-3	263	265	2.0	tr		
	5 ftz veinlets 1 and 2 inches wide	4-4	265	265	3.0	tr		
	Very sparse pyrite							
380 - 450	Granodiorite. Rounded grains							
	of quartz feldspar in bitelluritic.							
	Very few 1/4" ftz veinlets.							



LBF-24-9-73

DRILLED BY Benoit. D.P.

SIGNED W. Ingber

DIAMOND DRILL RECORD

PROPERTY Melrose Explorations, Dubuque Twp. HOLE No. 80-4
 SHEET NUMBER 9 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH 653
 ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
450 - 461	Granodiorite porphyry, Orange - pink-grey colour								
461 - 471	Volcanic inclusion, 45° C.A.								
471 - 475	Granodiorite porphyry as above								
475 - 480	Volcanic inclusion, Hard and siliceous. Spite								
480 - 485	Granodiorite, as above								
485 - 488	Volcanic, long core.								
488 - 494	Granodiorite Pink								
494 - 545	Volcanic - dacite, altered but not mineralized								
545 - 555	Shale zone. Same buff + chert No pyrite								
555 - 630	Dacite, 630-653. Mainly porphyry. Light grey, fine grained. End hole 653								

LOG-24-9-73

DRILLED BY _____

SIGNED _____

W. J. J. J.



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE BOURLAMAQUE ASSAY LABORATORIES LTD.

Melrose Exploration Limited

CERTIFICAT D'ANALYSES
CERTIFICATE OF ANALYSIS

No **30823**

ÉCHANTILLONS core
SAMPLES

VAL D'OR, QUÉ., February 7 19 80

RECU DE W.N. Ingham
RECEIVED FROM

ANALYSES 2 Au.
ASSAYS

Sample No. Au oz/ton

4 - 1 nil
4 - 2 Trace

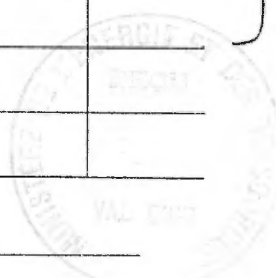
Allegre
ANALYSTE / ASSAYER

DIAMOND DRILL RECORD

PROPERTY Melrose Explorations Ltd. Dubuque, Iowa, P.O. HOLE No. 80-5
 SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED Feb. 10 1980
 LATITUDE Picket line 6E. 1550N. DATUM _____ COMPLETED Feb. 15 1980
(1979 MAG.-EM SURVEY)
 DEPARTURE SOUTH BASE LINE BEARING S.30°W ULTIMATE DEPTH 470
 ELEVATION 342372-1 DIP 50°: 200' = 47°, 400' = 45° PROPOSED DEPTH _____
600' E. and 50' S. of N.W. corner.

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
0-68	Casing							
68-145	Granodiorite. Grey, featureless							
	92-98 - sheared.							
	97-99 - sheared.							
	100-115 - sheared.							
	Mainly vein gfy. No pyrite	5-1	103	108	2.0			
145-225	Sheared - fracture zone. Calc	5-7	165	168	3.0			
	blocky - broken, many slips.	5-8	168	170	2.0			
	Olivine with splashes of	5-2	170	170.5	0.5			
	Chloropyrite and pyrite.							
	Mainly vein gfy. Sheared gfy. ^{Some vein}	5-3	170.5	172.5	2.0			
	Shearing is dipping south along	5-9	172.5	175.0	2.5			
	core at about 70°. Strongest	5-10	175.0	180.0	5.0			
	shearing 165-185. Remainder is weak.							

} 0.02
 } 0.05
 } 1.89
 } $\frac{0.402}{2.5}$
 } $\frac{0.245}{4.5}$
 } $\frac{0.121}{10.0}$



LBF-24-9-73

DRILLED BY Benoit D.D.

SIGNED W.D. Anglem - Geol.

DIAMOND DRILL RECORD

PROPERTY Melrose Explorations Ltd. HOLE No. 80-5
 SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED February 18
 DEPARTURE BEARING S.30° W. ULTIMATE DEPTH 470
 ELEVATION DIP 50° PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
225- 470	Granodiorite. Grey. Featureless. Few one-half inch veins of brown quartz.								
	End hole 470								
	Extra sampling								
	Very sparse pyrite. Blobsy some conc. missing	5-4	150	155	5.0			0.01	
	or above	-5	155	160	5.0			+	
	or above	-6	160	165	5.0			+	
	or above	-7	165	168	3.0			0.02	
	Little more pyrite. Few of stringers	-8	168	170	2.0			0.05	
	or above	-9	172.5	175	2.5			0.02	
	Not mineralized.	-10	175	180	5.0			+	

LBF-24-9-73

DRILLED BY Benoit D.P.

SIGNED W. R. Ingh - Geol.



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE
BOURLAMAQUE ASSAY LABORATORIES LTD.

Melrose Exploration Limited

CERTIFICAT D'ANALYSES
CERTIFICATE OF ANALYSIS

No 30858

ÉCHANTILLONS core
SAMPLES

VAL D'OR, QUÉ., February 15 1980

RECU DE RECEIVED FROM W.N. Ingham

ANALYSES ASSAYS 5 Au.

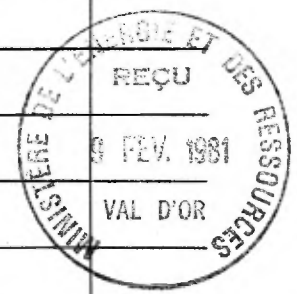
<u>Sample No.</u>	<u>Au oz/ton</u>
4 - 3	Trace
4 - 4	Trace
5 - 1	Trace
5 - 2	1.89
5 - 3	0.03

Allegria
ANALYSTE / ASSAYER

DIAMOND DRILL RECORD

PROPERTY Inchase Explorations Duburion Tramp HOLE No. 80-6
 SHEET NUMBER 1 SECTION FROM TO STARTED Feb. 16, 1980
 LATITUDE 1979 M.R.E.-E.M. SURVEY DATUM COMPLETED Feb. 20, 1980
 DEPARTURE 1500 N. + 250' E. of WEST Boundary = line 0+00 BEARING N.30°E ULTIMATE DEPTH 300
 ELEVATION DIP 50 at 200' = 47° PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
						gld		
0 - 88	Casing							
88 - 89	58-89: Quartz vein. No pyrite	6-1	88	89	1.0	✓	tr	
89 - 235	Quartzite							
	180-200: Fractured altered.							
	196-197: vein of qtz. little pyrite	1-2	196	197	1.0	✓	0.03	
235 - 257	Sheared, fractured, altered Scattered pyrite. Dtz stringers							
	or above	3	235	240	5.0		tr	
	or above	4	240	245	5.0		0.01	
	or above	5	245	250	5.0		tr	
	or above	6	250	252	2.0		tr	
	altered, fractured. Lined qtz vein	7	252	253	1.0	✓	tr	
	50% vein of qtz. much massive pyrite.	8	253	254	1.0	✓	2.04	} 1.052 } 0.713
	50% " " massive pyrite	9	254	255	1.0	✓	0.10	
	5% " " sp. pyrite	10	255	257	2.0	✓	tr	} 2.0 } 3.0



107-24-9-73

DRILLED BY Benoit. D.A.

SIGNED W. J. G. G. G.

DIAMOND DRILL RECORD

PROPERTY Inchase HOLE No. 80-6
 SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH 300
 ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
257-300	Granodiorite. Normal.								
	287-288: Fractured. Weak shear								
	broken core.								
	End hole 300								

LBF-24-9-73

DRILLED BY _____ SIGNED W. England



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE
BOURLAMAQUE ASSAY LABORATORIES LTD.

Melrose Exploration Limited

CERTIFICAT D'ANALYSES
CERTIFICATE OF ANALYSIS

No 30878

ECHANTILLONS
SAMPLES core
RECU DE
RECEIVED FROM W.N. Ingham

VAL D'OR, QUÉ., February 21 19...80...
ANALYSES
ASSAYS 5 Au.

<u>Sample No.</u>	<u>Au oz/ton</u>
6 - 1	Trace
6 - 2	0.03
6 - 7	Trace
6 - 8	2.04
6 - 9	0.10

Alfred... D.
ANALYSTE / ASSAYER

DIAMOND DRILL RECORD

PROPERTY Melrose Explorations Ltd. Dubouin Twp. HOLE No. 80-7
 SHEET NUMBER 1 SECTION FROM TO STARTED Feb. 21, 1950
 LATITUDE 1380' N. 450' E. DATUM COMPLETED Feb. 23, 1950
 DEPARTURE (So. West. of 80-5) BEARING N. 30° E. ULTIMATE DEPTH 300
 ELEVATION DIP 50 at 300 = 44° PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
0-70	Casing								
70-178	Granodiorite								
	124-125: weak shear								
	127-129: 1/2 inch vein along core	8-1	127	129	2.0				
	132-133: blocky weak shear								
138-176	altered, sheared, blocky								
	143-145: pink banding, Sp. pyrite, low quartz stringers	2	143	145	2.0				
	153-155: 5 lined Sp. pyrite, pinkish alteration & banding	3	153	155	2.0				
	as above	4	155	160	5.0				
	as above	5	173	175	2.0				
176-300	Granodiorite								
	Bands of alteration. Sp. pyrite fine grain. grey. relicified	6	256	260	4.0				



LEF-24-9-73

DRILLED BY

Benoit D.D.

SIGNED

W. Ingham

DIAMOND DRILL RECORD

PROPERTY Melrose HOLE No. 80-~~8~~7
 SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH 300
 ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
						<u>300</u>		
	<u>Banded, altered, shaly sp. pyrite</u>	<u>7</u>						
	<u>Finer grained, grey, siliceous</u>	<u>8-7</u>	<u>267</u>	<u>270</u>	<u>3.0</u>		<u>to</u>	
	<u>End hole 300</u>							

DRILLED BY _____

SIGNED W. S. [Signature]



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE
BOURLAMAQUE ASSAY LABORATORIES LTD.

Melrose Exploration Limited

CERTIFICAT D'ANALYSES
CERTIFICATE OF ANALYSIS

No 30890

ÉCHANTILLONS
SAMPLES

core

VAL D'OR, QUÉ., February 25 19 80

RECU DE
RECEIVED FROM

W.N. Ingham

ANALYSES
ASSAYS

20 Au.

<u>Sample No.</u>	<u>Au oz/ton</u>
5 - 4	0.01
5 - 5	Trace
5 - 6	Trace
5 - 7	0.02
5 - 8	0.05
5 - 9	0.02
5 -10	Trace
6 - 3	Trace
6 - 4	0.01
6 - 5	Trace
6 - 6	Trace
6 -10	Trace
7 - 1	Trace
7 - 2	Trace
7 - 3	Trace
7 - 4	Trace
7 - 5	Trace
7 - 6	Trace
7 - 6B	Trace
7 - 7	Trace

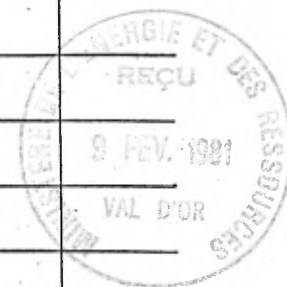
Alcedo P.

ANALYSTE / ASSAYER

DIAMOND DRILL RECORD

PROPERTY Melrose Explorations Ltd. Dulleson Twp HOLE No. 80-8
 SHEET NUMBER 1 SECTION FROM _____ TO _____ STARTED Feb. 24 1980
 LATITUDE 1350' N. 550' E DATUM _____ COMPLETED Feb. 26
 DEPARTURE (50' East of 80-5) BEARING N. 30° E ULTIMATE DEPTH 295
 ELEVATION _____ DIP 50° - at 250 = 46° PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
0-72	Casing							
72-125	Irono deinite. Volcanic intrusions 1-2 inches							
	Blue and white quartz veinlet nearly along core 1/4 to 1/2 inch wide. Sparse pyrite. V.G.?	8-1	80.0	80.5	0.5		tr	
	Bands of fucous gneiss, greyish siliceous alteration, little pyrite	2	83	87	1.0		tr	
125-155	Weak shearing, alteration, greenish, grey or pinkish. Sp. pyrite as above	3	125	129	4.0		tr	
	as above plus 1/4" qty. veinlet with pp	4	132	134	2.0		tr	
	as above, above.	5	139	143	4.0		tr	
	Fines grey, grey. Sp. cubic pyrite	6	145	147	2.0		tr	



107-24-9-73

DRILLED BY

Benoit D.D. Val d'Or

SIGNED

W. Singh

DIAMOND DRILL RECORD

PROPERTY Malone HOLE No. 80-8
 SHEET NUMBER 2 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH
 ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES		
155-198	Transverse							
198-225	altitud, sheared, fractured, silicified. Sparse spittle							
	Vein quartz, white & pinkish, sheared & d. Sp. spittle	8-7	198	200	2.0			
	as above	8	200	202	2.0			
	Grey, fine grained type, sheared, sparse spittle. Few qty inclusions	9	202	204	2.0			
	as above	10	204	206	2.0			
	" "	11	206	208	2.0			
	" "	12	208	210	2.0			
	" "	13	210	212	2.0			
	" "	14	212	214	2.0			
	" "	15	214	216	2.0			
	" "	16	216	220	4.0			

LF-2M-9-73

DRILLED BY _____

SIGNED _____

W. S. ...

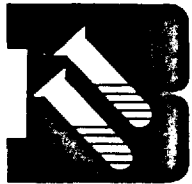
DIAMOND DRILL RECORD

PROPERTY Melrose HOLE No. 80-8
 SHEET NUMBER 3 SECTION FROM TO STARTED
 LATITUDE DATUM COMPLETED
 DEPARTURE BEARING ULTIMATE DEPTH 295
 ELEVATION DIP PROPOSED DEPTH 300

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAY VALUES			
225 - 245	Granodiorite. Few, narrow, fine peg veins.								
245 - 295	Granodiorite, Pinkish alteration along fracture steps Faintly porphyritic. 1/5 to 1/4" planes of white feldspar								
	End hole 295								

LSF-24-9-73

DRILLED BY _____ SIGNED W. Ingber



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE
BOURLAMAQUE ASSAY LABORATORIES LTD.

CERTIFICAT D'ANALYSES
CERTIFICATE OF ANALYSIS

No 30903

Melrose Exploration Limited

ECHANTILLONS
SAMPLES core

VAL D'OR, QUÉ., February 27 1980

RECU DE
RECEIVED FROM W.H. Ingham

ANALYSES
ASSAYS 16 Au.

<u>Sample No.</u>	<u>Au oz/ton</u>
8 - 1	Trace
8 - 2	Trace
8 - 3	Trace
8 - 4	Trace
8 - 5	Trace
8 - 6	Trace
8 - 7	Trace
8 - 8	Trace
8 - 9	Trace
8 - 10	Trace
8 - 11	Trace
8 - 12	Trace
8 - 13	Trace
8 - 14	Trace
8 - 15	Trace
8 - 16	Trace

ANALYSTE / ASSAYER