GM 38808

DIAMOND DRILLING PROGRAM, BELLETERRE VILLAGE PROPERTY

Documents complémentaires

Additional Files

Licence

License

BELLETERRE VILLAGE PROPERTY

Project #2174-036

DIAMOND DRILLING PROGRAM

January 20th, 1981 to March 16th, 1981

Covering Claim No.	Licence No.
1 to 5	369754
1 to 5	369755
1 to 5	387427
1	388401

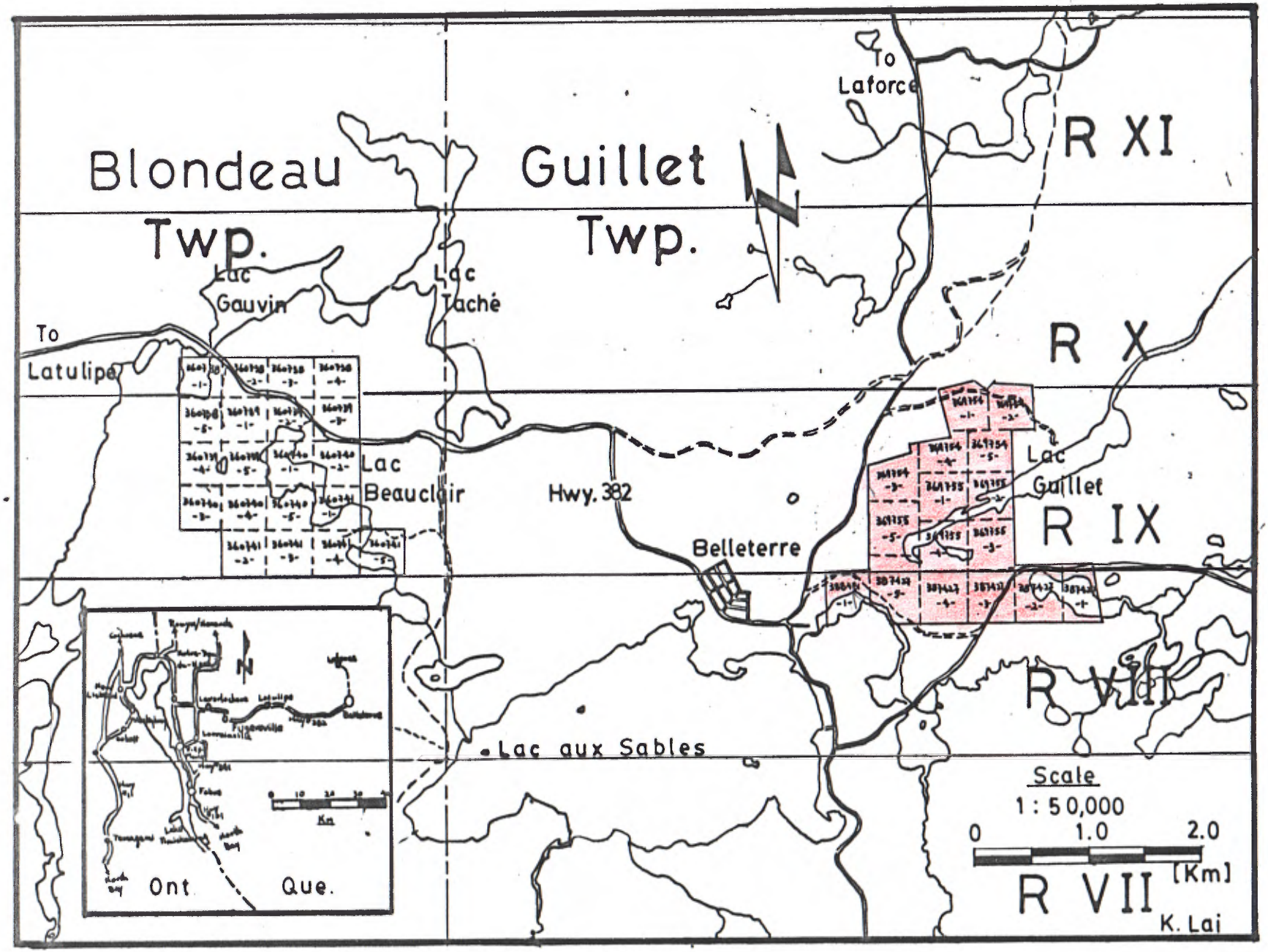
GUILLET TOWNSHIP

TEMISCAMINGUE COUNTY, QUEBEC

N.T.S. 31-M-7

Haileybury, Ontario
February, 1982

Konny Lai
Sulpetro Mineral Ltd.


Blondeau
Twp.
Guillet
Twp.
To
Laforce
R XI
Lac
Gauvin
Lac
Taché
To
Latulipe
R X
Lac
Beauclair
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Lac
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R VIII
Lac aux Sables
Scale
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BELLETERRE VILLAGE

INTRODUCTION

During the winter of 1981, a diamond drilling program was initiated to test a number of gold showings, geochemical, geophysical anomalies and favorable geological structures on the Betteterre Village property.

A total of fourteen (14) diamond drill holes of AQ size core were put down at various claims on this property. They were inclined holes and a total of 1110.2m (3642.2 ft) of core was drilled.

The distribution of d.d.h. on the various claims are as follows (See location map)

CLAIM NO.	TOTAL NO. OF HOLES	METERS DRILLED
387427-2	6	279.2m (916.0')
387427-3	2	205.5m(674.2')
387427-5	1	99.7m(327.1')
369755-3	1	29.9m(98.1')
369755-2	2	192.3m(630.9')
369755-1	2	303.6m(996.1')
TOTAL	14	1110.2m(3642.4')

SUMMARY

TABLE 1

Hole No.	Location	Bearing	Dip	Length	Objective	Significant Assays				Remarks
						Split Core		Sludges		
	Grid - Co-ordinate	degree	degree	meter (feet)		Meter	grade (gm/tonne)	meter	grade (gm/tonne)	
2174 - 1	12+60E; 16+04S	345°	-45°	37.5 (123)	To test the Western section of the Village Vein.					
2174 - 2	12+70E; 16+02.3S	345°	-44.5°	34.3 (112)	To test the Village Vein under the high grade section.	25.0 to 25.5	0.17	15.2 to 18.3	0.34	
						28 to 28.5	0.51	24.4 to 27.4	0.17	
								27.4 to 30.5	0.17	
								30.5 to 33.5	0.17	
2174 - 3	12+80E; 16+02.3S	345°	-45°	30.9 (101)	To test the possible eastern extension of Village Vein	14.8 to 15.8	0.17			
2174 - 4	12+90E; 16+02.3S	345°	-44.5°	27.4 (90)	To test the possible eastern extension of Village Vein.					
2174 - 5	12+74E; 16+13.1S	345°	-57°	63.1 (207)	To test the Village Vein under the best section.			30.5 to 33.5	0.51	
								42.7 to 45.7	0.17	
								54.9 to 57.9	0.01	
2174 - 6	12+01.5E; 16+62S	343°	-45°	99.1 (325)	To test the possible western extension of Village Vein and to obtain a cross sectional profile			57.9 to 61.0	0.17	
								61.0 to 64.0	0.17	
								73.2 to 76.2	0.17	
2174 - 7	L4+00E; 16+55.3S	343°	-45°	99.7 (327)	To test the organic soil Geochemical Anomaly.	34.0 to 35.0	0.17	9.1 to 12.2	0.17	
								12.2 to 15.2	0.17	
								33.5 to 36.6	0.34	
								36.6 to 39.0	0.17	
2174 - 8	7+50E; 10+10S	165°	-40.5°	149.4 (490)	To test the Mud Lake Shear.	41.0 to 41.55	0.17	39.6 to 42.7	0.17	
								42.7 to 45.7	0.17	
								51.8 to 54.9	0.17	
								57.9 to 61.0	0.17	
								85.3 to 88.4	0.17	
2174 - 9	11+23E; 11+57S	281°	-45°	29.9 (98)	To test the Clog Lake Vein under the best section.					
2174 -10	11+27E; 11+47S	281°	-45°	38.7 (127)	To test the possible northern extension of the Clog Lake Vein.					
2174 -11	12+25E; 18+40S	345°	-40°	106.4 (349)	To obtain a cross-sectional profile of the fault displaced south block.			45.7 to 58.8	0.17	
								48.8 to 51.8	0.17	
								51.8 to 54.9	0.17	
								57.9 to 61.0	0.17	
								64.0 to 67.1	0.17	
								76.2 to 79.2	0.17	
								91.4 to 103.6	0.17	
174-12	13+61.5E; 17+76S	340°	-39.5°	86.0 (282)	To test the Village Vein in the fault displaced south block.			79.2 to 82.3	0.17	
2174-13	9+50E; 11+22S	344°	-40.0°	154.2 (506)	To test the Mud Lake Shear.	73 to 73.5	0.17			
2174-14	L12+00E; 10+46S	340°	-40°	153.6 (504)	To test the Mud Lake Shear and try to duplicate the assay results from previous drilling.					

SUMMARY

The objectives, locations and significant assays of the drill holes are outlined in the following table (Table No. 1).

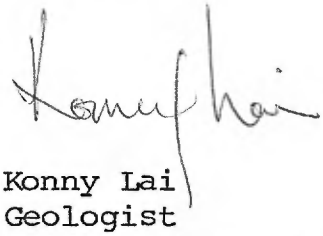
Diamond drill logs can be found in the appendix. Location maps (1:2,000 scale) and drill hole sections are in map pockets.

RESULTS AND DISCUSSION

The assay results returned from the drill core and sludge samples were 'depressingly' disappointing as no values of over 1.0 gm/t were picked up.

On the other hand, however, the drilling program has outlined some interesting structures. The Mud Lake shear structure still holds some promises, as it consists of a strong shear structure and accompanied by felsic intrusive bodies. A systematic drilling program is necessary to fully investigate this structure. The intersections of the cross fractures with the main shear deserve special attention in planning any future drilling program.

Respectfully submitted,



Konny Lai
Geologist
Sulpetro Minerals Ltd.
February 27, 1982

ST JOSEPH EXPLORATIONS LIMITED — DRILL LOG — HOLE NO. 2174 - 1

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED	CORRECTED DIP TESTS
Belleterre Village	Guillet Twp.	345°	22nd January, 1981	
PROJECT	LOT & CONC.	DIP	DATE COMPLETED	Collar -44.5°
2174 - 036	Range VIII	-45°	23rd January, 1981	
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY	37.8 -41°
387427-2	12+60E;16+04S	37.8 m.	Barron Diamond Dr.	
GRID NO.		COLLAR ELEV.	LOGGED BY	
1980 - 075° B.L.			Konny Lai	

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:- To test the eastern section of the Village Vein.
0	6.7		Casing
6.7	26.37		Fine Grained Porphyritic Flows Light to medium dark green colored mafic volcanic flows. Traces of Py, Cp can occasionally be found. Structure: Semi-massive, slightly sheared here and there. Alterations: Moderate to strong carbonate alterations. Numerous calcite veinlets pitching in all directions. 50° predominantly. Vein: 11.45 m., Q. veinlet, 1.5 cm., cb-M, white quartz, Tr dissem. Py. 13 to 13.50 m, Py stringers, occur along the schiotosed cleavage. i/c dol. 15.55 to 51.88, Q. stringers and veinlets occur randomly here and there. 15.88, q. veinlet, 0.5 cm. 15.98, q. vein, 20 cm., smoky white variety, cb-S, diss. Py, upper Ct, 60°, lower Ct 75°, w/Lamp dyke. 19 m, q. veinlets 0.5 cm. 26.5, calcite veinlets dip 60°.

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au (g/t)
6960	9.8	10.3	0.5	trace
6963	10.3	11.3	1.0	trace
6964	11.3	12.00	0.7	trace
6961	13.0	13.5	0.5	trace
6965	13.5	14.5	1.0	trace
6962	15.55	16.55	1.0	trace

Down Hole Depth	Co-ordinates X(345°)	Y(ver)	Z(075°)
Collar	0	0	0
18.9	13.48	13.25	0
37.8	27.74	25.65	0

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			28.72, q. veinlet, 0.8 cm., 30°, in sheared volcanics (Village Vein??), Tr Cp, Py adjacent to the veinlet in wall rocks.					
			30.0, 2 q. veinlets, 1 cm and 0.5 cm. resp. at 60°, Tr Py.					
			30.27, q. vein, 4.5 cm., 70°, bluish variety Py and Mt.					
			33.45, calcite veinlet, w/Ep.					
			33.70, Epidote bands.					
			Mineralization: Trace Py, Cp can be found here and there. 0.25 to 0.5 % Po in the porphyritic flows. Diss. Py, Tr Cp on slip planes. A few deformed calcite crystals in the f.g. porphyritic flows. 13.5 m. Blebs of Py concentrated near the lower contact with felsic dyke.					
			Remarks: Biotite Lamprophyre Dyke at: 9.77 to 10.00 m.g., cb-s, lower ct. 45°, upper ct. 85°.					
			10.23 to 10.38 upper & lower ct at 40°.					
			13.5 to 14.27 intermediate to felsic dyke i/c mafic constituents probably the more felsic. Variety of Lamp. dyke Cb-S, biot, very hard. Presumably related to the thick hard Lamp. dyke to the south of Village Vein.					
			14.45 to 15.55 upper ct. 70°, lower ct. 65°.					
			16.18 to 16.35 Tr Py, cb-S.					
			20.9 to 21.38 m.g. Cb-S, Py cubes.					
			21.85 to 26.37 M - c.g., felsic variety. 2% sulfide.					

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 1

SHEET 3 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			26.37 to 28.7, massive non-porphyritic mafic flows.					
			Metadiabase dyke at: 32.6, 3 cm. f.g., mt.					
			32.76 to 32.93, upper ct. 65°, lower ct 30°, Mt, f.g.					
			14.27 to 14.45 sheared mafic flows, cb-S, 1% sulfide.					
			15.55 to 16.18 mafic flows are slightly sheared.					
			16.35 to 20.9 slightly sheared mafic volcanics Cb-S.					
26.37	33.5		Non-Porphyritic Fine Grained Mafic Flows Equivalent to 'Andesite' in the field.					
33.50	37.8		Medium - Coarse Grained Mafic Volcanic Flows The flow has a gradational contact with the fine grain flows. Py cubes and Mt. Thin brownish dol. veinlet and numerous epidote bands are found in this unit.					
			36.14 m, dol veinlet, very thin, 35°.					
37.8			END OF HOLE					

Harleybury, Ont.
24 Apr. 82

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 1

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	SLUDGES ASSAYS Au (g/t)
					6.71			
						9.14		trace
						12.19		trace
						15.24		trace
						18.29		trace
						21.34		trace
						24.38		trace
						27.43		trace
						30.48		trace
						33.53		trace
						37.5		

DRILL LOG HOLE NO. 2174-2

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED
Belleterre Village	Guillet Twp	345°	23 January, 1981
PROJECT	LOT & CONC.	DIP	DATE COMPLETED
2174-036	Range VIII	-44.5°	27, January, 1981
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY
387427-2	12+70E; 16+02.35	34.3	Barron Diamond Dr.
GRID NO.		COLLAR ELEV.	LOGGED BY
1980-075° B.L.			Konny Lai

CORRECTED DIP TESTS

collar	-44.5		
34.3	-39.0		

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:- To test the Village Vein at about 4.0 m. West of the high grade section
0	4.88		Casings
4.88			Fine Grained Light green colored Carbonitized Massive Mafic Flows The rock is porphyritic in places. The unit is what is known as 'Andesite' in the field. Structure: Minor broken core at 7.7m Alterations: Weak to moderarte carbonate alteration is very consistent throughout the flow Veins: 5.25 to 5.35 q.c. stringers, ~45° Tr Py 7.12m - q.c. stringers 2.0 cm 7.63m q.c. stringers 0.5 cm 7.94 q. carbonate veinlets, 0.2 cm ~65° 8.41 q.c. veinlet, 0.2 cm 65° 9.71 series of carbonate stringers, shallow angle 10.2 q. veinlet + fld alteration Produet 67 cm, cb-s, i/c mafics 11.1 q-c stringer i/c mafics 6.4 cm 11.3 q-c stringer 7 cm

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au (g/t)
				Carbonate Veinlets occur in random fashion and pitch in all directions
6966	5.00	5.70	0.7	trace
6967	9.5	10.5	1.0	trace

Depth	Down Hole x (345°)	y (Ver)	Coordinates Z (075°)
collar 0	0	0	0
17.15	12.23	12.02	0
34.3	25.56	22.81	0

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-2

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
								Au (g/t)
10.21	10.88		Q. Vein, Ch-s Fld. Alteration product prop. to massive i/c mafics					
11.1	11.14		11.1-11.14 (0.04) QZ carb stringer i/c mafic					
11.30	11.37		(0.07m) Qz carbonate stringer					
11.70			~~slightly sh mafic ch-s~~					
12.1	12.53		m-g biot (amp dyke) ~~cb-s Tr Py~~					
12.8	13.38		Qz stringers rich, carbonatized f.g. mafic flows veins 12.93, 2-3 mm Qz - cb veinlets 12.29, 45° 5-6m Qz = cb veinlet ~~Qz rich when approaching Upper assays dyke ct~~					
13.38	14.30		m-g biot. lamp dyke					
14.30	16.9		Qz stringer Rich, Carbonitized fg mafic flow	6968	14.3	14.8	0.5	Trace
			14.28 3 mm	6969	16.5	17.0	0.5	Trace
			~~14.35 1mm~~					
			~~14.45 4cm~~					
			~~14.56-14.60~~					
16.9	17.1		Mafic dyke check variety when light is sufficient medium fine grain layers phy ½% Py cb-s, grey green upper ct, 68°; lower ct 70°					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-2 SHEET 3 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
17.10	17.81		Slightly sheared mafic flows					
			upper 20 cm segment carry ~1½% sulfide					
			~~4 Q. veinlet at 17.12 2mm 55-60° slightly deformed cb-s~~					
			~~at 17.21 2mm ~70°~~					
			Q veinlet at 17.27 up to 1 cm thick 55° cb-s					
			Q veinlet at 17.49 3 mm ~60°, db-s					
17.81	19.32		m-cg biot. lamp Dyke					
			w/porp. Cc in places enherdral Py found around 18.5 m					
			blobs of Py can be found here & there					
~~19.32~~	~~19.5~~		~~Sheared Volcanics~~					
19.38	19.40		2 cm QZ vein Tr py, Cp white glassy Qz	6970	19.25	19.75	0.5	Trace
			19.47 a tiny Qz veinlet 3mm ^60° slightly sheared					
19.5			mafics					
			Qz vein 20.17 3 mm ~60°	6971	19.75	20.25	0.5	Trace
			20.24 2 mm ~70°					
			21.00 Qz stringer at slip plane Tr Cp	6972	20.72	21.25	0.5	Trace
			Slipplane ~80°					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-2

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
	27		~~at 20.63m Qz-cb stringer 1cm Tr Py, Po~~ ~~at 23.62 Q. Veinlet 8mm 50°, cb-s~~					
			at 23.90 Q. Veinlet 5mm 45°, cb-s splashes of carbonate at 24.40 to 24.50	6973	23.5	24.0	0.5	Tr
			25.15 q. stringers of Ep + Cb (2cm)					
			Diss Py x'ls observed thin soft brown bronze color smear of mineral on slip plane at 24.75 content be IC ~~25.62 Q. veinlet 1mm ~45°~~ ~~27.0 cb- splashes at 27m~~	6974	25.0	25.5	0.5	0.171
28.23	28.27		Sheared Porp. Mafic flow 4 cm Q.V smoky white Qz i/c mafics ^60° Diss Py + mt? 1%					
~~28.93~~	~~29.95~~		~~2 cm Q.V.~~ blobs of Py Fld, 2nd or 3rd generation QZ vein					
29.8	30		½% Py some enhedral y'l					
30.6			some gougeing?					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-2 SHEET 5 OF ___

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
30.76	38.78		2 cm siliceous cb-vein at 75°					
			Ep occur quite frequently around all siliceous cb veinlet					
			31.5 q mm siliceous cb splashes 70°					
			31.6 6mm siliceous cb + cp. 60°	6975	28	28.25	0.5	0.51
			31.77 4 mm siliceous cb +cp ~45°					
			32.13 silliceous cb 3 mm					
			32.27 siliceous cb + ap 3mm					
			32.39 siliceous					
			32.84 to 32.86 fine gr. meta diskase ~50° mt					
			33.08 - 33.14 numerous ep stringers					
			33.15 to 33.38 meta diekase mt					
			34.04 cb-ep ladder Vein					
			34.14 cb-Qz veinlet 1cm ~30°					
			little to No vien					
			34.3					
			34.15 cb - Ep siliceous stringer					

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 2

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Sludges ASSAYS Au (gm/t)			
					4.9						
								trace			
						9.1					
								trace			
						12.2					
						15.2		trace			
						18.3		.34			
						21.3		trace			
						24.4		trace			
						27.4		0.17			
						30.5		0.17			
						33.5		0.17			

[illegible]
Haileybury, Ont
April 1/81

DRILL LOG HOLE NO. 2174-3

SHEET 1 OF —

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED
Belleterre Village	Guillet Twp.	345°	27/1/81
PROJECT	LOT & CONC.	DIP	DATE COMPLETED
2174-036	Range VIII	-45°	27/1/81
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY
387427-2	L12+80E; 16+02.35	30.9 m (101.3)	Barron Drilling Ltd
GRID NO.		COLLAR ELEV.	LOGGED BY
1980-075°BL			Konny Lai

CORRECTED DIP TESTS

collar	-45°		
30.91	-42°		

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:- To test the possible eastern Extension of Village Vein (6 meters E. of high grade section)
0	5.49		Casings Medium green colored (porphyritic) mafic flows ('Andesite')
5.49	9.12		5.49 to 6.2 sheared section 6.2 to slightly sheared sercitic 1-places Veins: a few carbonate veinlet (siliceous) 2mm ~55° can be found in the sheared section out of the sheared into the slightly sheared segment vein has core angle of ~50° Mineralization Py some enhedral Po, causing athe core med. tr Cp can be found ~6.5 m N.B. Some of these mt has hardness of 5.0?? Possibly Po instead at 8.72 m. thin band of enhedral to subhedral Py & mt or Po
9.12	9.50		Highly Carbonitized mafic flow Tr Py
9.5	12.65		Massive mafic flows to semi sheared mafics flow po up to 1½% Qz blobs at 10.2m Carbonate Cherty veinlet 10.24 m Carbonate Cherty veinlet 4mm 12.63 Tr Py

SAMPLE NO.	FROM	TO	LENGTH

ASSAYS

Down Hole Depth	Coordinates X (345°)	Y (Ver)	Z (075°)
collar 0		0	0
15.45	11.02	10.83	0
30.90	22.94	20.66	0

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-3 SHEET 4 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
~~12.65~~	~~13.00~~		~~Fine grain biot. lamp dyke~~					
			~~This withers a charateristic brownish yellow here throughout & its length Ep or Fe ~60°~~					
~~13.00~~	~~14.95~~		~~Light green semi massive mafic flows~~					
			a Q-C 2mm stringer at 13.3 m ~50° Carbonate stringers & veinlet can be found abundently in all places					
14.95	16.25		Fine Grained Ep biot. lamp dike (Felsic variety)					
			Q. veinlets at 14.95 3 mm 60°	6978	14.80	15.8	1.0	Tr
			16.03 m 8 mm Qz veinlet ~80° upper ct ~60° lower ct ~40°					
~~16.25~~	~~17.34~~		~~Light Green Carbonitized Cc porp. mafic flows~~					
			17.26 m Q-c veinlet 1.5 cm pinkish ~45°					
~~17.34~~	~~17.76~~		~~Med fine g. Biot. Lamp dyke (Felsic variety)~~					
17.76	18.75		Med dark green Cc porp mafic flow					
			2 Q. Veinlet at 18 m at 17.96 & Carry Cp 5 mm 70°					
			at 18 m cb-s 2 cm Diss Py ~65°	6979	17.75	18.25	0.5	0.17
18.75	19.32		Pyritic med. - g biot. lamp dyke					
			uppers lower ct. 80°	6980	18.75	19.32	0.57	Trace

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-3 SHEET 3 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
19.32	30.91		Semi- massive med. green colored mafic flows					
			7 cm lamp kyke at 19.93 - 19.99 m					
			at 20.11 m 7 cm Q. Vein possible					
			"Village Vein Eastern Extension"	6981	20.00	20.50	0.5	Tr
			Py Po					
			Carbonate Veinlets are at high angle now	6982	23.25	23.75	0.5	Tr
			at 23.9 to 25.95 Ep observed					
			Q. Veinlet at 21.5 up to 5 mm 45° 24.5 5 mm Qz veinlet ~50°	6983	26.75	27.25	0.5	Tr
			Q. veinlet at 28.82 m mt, Py, Cp cb-s	6984	28.5	29.0	0.5	Tr
			30.81 m End of Hole					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-3 SHEET ___ OF ___

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) SLUDGE ASSAYS
					5.49	9.14	3.66	Tr
					12.19	15.24	3.05	Tr
					15.24	18.29	3.05	Tr
					18.29	21.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	Tr
					27.43	30.48	3.05	Tr

Kennetter
Geologist
Sulpetro Minerals Ltd
April, 80

ST JOSEPH EXPLORATIONS LIMITED — DRILL LOG — HOLE NO. 2174 - 4

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED
Belleterre Village	Guillet Twp.	345°	28 January, 1981.
PROJECT	**LOT & CONC.**	**DIP**	**DATE COMPLETED**
2174 - 036	Range VIII	-44.5°	28 January, 1981.
CLAIM NO.	**CO-ORDINATES.**	**LENGTH**	**DRILLED BY**
387427 - 2	12+90E; 16+02.3S	27.4	Barron Diamond Dr.
GRID NO.		**COLLAR ELEV.**	**LOGGED BY**
1980 - 075° B.L.			Konny Lai

CORRECTED DIP TESTS

Collar	-44.5°
27.4	-42.5°

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:- To test the eastern extension of the Village Vein.
0	8.53		Casings.
			Fine grained medium dark green mafic volcanics Characterized by numerous carbonate stringers cross cutting the unit, and the unit is magnetic.
			Structure: moderately sheared.
			Alteration: Chloritization and carbonitzation.
			Mineralization: very sparse to No sulfide mineralization.
			Vein: Village vein is absent here. No well mineralized q.v. encountered
			Remarks: Lamprodhyre dyke at:
			10.85 to 11.10 80°.
			14.78 to 15.05 60°
			18.10 to 19.90
			20.62 to 20.82
			22.65 to 22.75
27.95			END OF HOLE

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral
DATE 13 AOUT 1982
No G.M. 38808

SAMPLE NO.	FROM	TO	LENGTH
6985	11.25	11.75	0.5

ASSAYS

Down Hole Co-ordinates

Depth	X(345°)	Y(ver)	Z(75°)
Collar	0	0	0
13.70	9.77	9.60	0
27.4	19.87	18.86	0

Au (gm/tonne)

6985	trace

SLUDGES

8.53 - 12.19	trace
15.24	trace
18.29	trace
21.34	trace
24.38	trace
27.43	trace

Konny Lai
Geologist
Sullivan Mining Group Ltd.
Haileybury, Ont.
April 82

DRILL LOG HOLE NO. 2174-5

SHEET 1 OF ___

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED
Belleterre Village	Guillet	345°	Jan. 29, 1981
PROJECT	LOT & CONC.	DIP	DATE COMPLETED
2174-036	Range VIII	-57°	Jan. 30, 1981
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY
387427-2	12+74E; 16+13.1S	63.10	Barron Drilling Ltd
GRID NO.		COLLAR ELEV.	LOGGED BY
1980-075° BL			Konny Lai

CORRECTED DIP TESTS

collar	-57		
63.1	-55		

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			OBJECTIVES:-					
0	10.36		Casing					
10.36	12.06		'11' Biot Lamp dyke m-cg					
			'2' M-g mafic flows (porp) in places gradually grade into F-g mafic flows cb-s					
			Vein at 15.06 m C-Q veinlet ~70° Tr Py 1 cm	6986	14 75	15.25	0.5	Tr
			Vein at 18.06 m bluish ~30° 1.5 cm	6987	17.75	18.25	0.5	Tr
			Vein at 18.80 m glassy ~45° 1 cm	6988	18.55	19.05	0.5	Tr
21.1	22.77		M-fg biot Lamp dyke check variety + po-mag					
22.77	30.27		Cc porp mafic flows					
			Cc + siliceous vein at 28.71 Tr Py + po mag	6989	28.5	29.0	0.5	Tr
29.63	30.27		Lamp dyke					
30.27	30.47		slightly sheared mafic flows + numerous Cc stringers + veinlets					
30.47	32.11		Lamp dyke					
32.11	32.74		Cc rich mafic flows					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-5 SHEET 2 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
32.74	32.84		Lamp dyke					
33.1	33.57		Lamp dyke againe					
			Q-C vein at 34.56 m ~45° Tr Py	6990	34.25	34.75	0.5m	Tr
			at 44.82 Q V in shear Zone 7 cm ~40° Tr Cp	6991	44.5	45.5	1.0m	Tr
			QV at 48.5 m	6992	48.25	48.75	0.5m	Tr
42.6	43.95		Lamp dyke					
46.48	47.12		Lamp dyke					
50.25	51.08		Lamp dyke					
51.08	54.12		Mg mafic flows					
54.12	55.04		'Diabase' f.g. mafic dyke mag					
55.04	55.43		Lamp dyke	6993	57.5	58.0	0.5	Tr
57.53	59.6		Meta sediments or Felsic dyke Light grey color f. sand size with angular clastic fragments suggesting (from grading) Top is to the south	6994	58.0	59.0	1.0	Tr
			58.57 Q.V 3 cm ~45°					
			60.85 to 61.25, bluish q. stringers Tr Cp, Py 62.0					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-5 SHEET 3 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	SLUDGES Au (g/t) ASSAYS
					10.34	15.24	4.88	Tr
					15.24	18.29	3.05	Tr
					18.29	21.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	Tr
					27.43	30.48	3.05	Tr
					30.48	33.53	3.05	0.51
					33.53	36.58	3.05	Tr
					36.58	39.62	3.05	Tr
					39.62	42.67	3.05	Tr
					42.67	45.72	3.05	0.17
					45.72	48.77	3.05	Tr
					48.77	51.82	3.05	Tr
					51.82	54.86	3.05	Tr
					54.86	57.91	3.05	0.34
					57.91	62.48	4.57	Tr

Kenny Ian
Geologist
Sulpetro Minerals Ltd
April 82

DRILL LOG HOLE NO. 2174-6

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED	CORRECTED DIP TESTS
Belleterre Village	Guillet	343° True	5/2/81	
PROJECT	LOT & CONC.	DIP	DATE COMPLETED	collar -45°
2174-036	Range VIII	-45°	6/2/81	61.0 -43°
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY	
387427-3	12+0.15E/16+62S	99.1m	Barron Diamond Dr.	
GRID NO.		COLLAR ELEV.	LOGGED BY	
1980-075° 136			Konny Lai	

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:-
0	3.66		Casings
3.66	3.72		Remanent of Felsic Q. Porp (Carb X-tuff?) Very siliceous, more mafic than the surface equivalent
3.72	5.28		Fg biot lamp dyke 'Quite' felsic variety upper ct = ~60° lower ct + ~75° tiny Q. veinlet ~75° Tr Py Cp
5.28	7.04		Fg semi veins mafic flows Tr Py at 6.5m Thin shear slip at 6.5m 4mm Cc Vein w/Py Tr Cp
7.04	8.15		Porp Fg mafic Tuff + Q eyes very distinctive at 7.1m Q.V 2 cm 75° , bull QZ white glassy
8.15	8.80		Interlayered Siliceous Tuff Sediment chert band i/c w/ hemispelagic sediment at the beginning of the unit at 30° 6 to 7 cm very siliceous lower ct at ~60°

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
6995	3.75	4.75	1.0	Tr
6996	6.25	6.75	0.5	0.07

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-6 SHEET 2 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
8.8	16.55		Fg massive mafic Volcanic flows					
			Ep in QC stringers					
			at 9.52m at 20°					
			9.68m at 20° & 65°					
			some enhedral Py cubes					
			numerous Cc stringers + streaks					
			12.05m Q-C stringers 55°, 1cm nominal					
			16.55 small cluster of Cp					
16.55	28.4		M-Cg Amp Mafic intrusive					
			Quite a sharp contct very well carbonitzed					
			17.40 m blocky glassy white Q.V (1.5cm)					
			no mineralization ^18°					
			17.85 a few epidote veinings					
			19.47 blocky angular broken core					
			23.00 Tiny Q. veinlet + Ezp + Cc (5mm) no min^{n} ~75°					
			23.1 Q.V. Vein 2 cm ~60°					
			white glassy Q.V. i/c mafic that Carry Tr Py + Ep					
			(4.5 cm) cb-m 75°					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-6 SHEET 3 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			~~26.1 Q. veinlet + reddish mineral (hm) @ 75° (1cm)~~					
			~~26.4 6 cm sequent of heavy Tcp alteration + Cp & Py~~					
28.4	30.55		Biot. lamp dyke, severly altered late lamp dyke filled fault bull QV abundant at 28.4 glossy black in places ~40° 7 cm + Tl? ~~no sulfide min~~ n					
			at 30.15 m lamp dyke severely altered chl. Ep + prol. vein?? certain section near 36 ~~at 30.43 pulverized lamp dyke~~ ~~30.45 QV broken up black in places Tl~~					
30.55	49.48		M-g massive mafic volcanic flows ~~cb-m-s~~ s. come fine gran section but another tend to lump ~~them together since possibly~~ belong ~~to the same unit~~ ~~uneventful, alot of Ep Cc severe alteration~~					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-6 SHEET 4 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			~~at 42.26 Q.V. (3.5 cm ~40°) specks of Cp i/c mafics not much though~~					
			~~43.45 Q veinlets folled slip ~25° (5mm) arounds at 43.60 C-minor silicide veinlets 4 mm 25° Tr Cp, Py~~	6997	43.25	43.75	0.5	Tr
49.48	55.4		F-g massive mafics volcanics					
			gradational contact narrow zone only					
			51.6 biot. lamp dyke 21 cm cb-m Tr Cp in Q. V. at ~~bottom of dyke 6 an, ~60° narrow mafic dyke at 7 cm,~~ ~75° ~~some~~					
			sulfide min^{n} 1½% cb-m-s	6998	51.5	52.0	0.5	Tr
			~~52.18 narrow sulfic dyke cb-m-s but not much sulfide 3 cm~~					
			52.98 lamp dyke 32 cm ~70° Fq biot variety					
			54.3 chloritized shear zone Tr Cp & Tr py in Q-C stringers cb-m-s					
			~~Remark: 0.5% mt and carbonitization is very common.~~					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-6 SHEET 5 OF ___

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
55.4	56.8		Porphyritic mafic flows					
56.8	57.15		Biot. Lamp dyke CA @ 45°					
57.15	82.8		cb-fg mafic flows					
			Contain up to 1% Py and 1% mt					
			Veins 58.15 to 58.25 q.v. 65° irregular ct good looking vein 1% Cp					
			59.45 to 59.65 q.v.s.					
			Remark: 58.35 to 59.15 lamp dyke 60.3 to 61.8 lamp dyke 63.3 to 66.0 Biot. lamp dyke, contain pebble of cherty tuff, granodiorite, and sulfide up to 1% Py, Cp locally 67.6 to 68.1 Lamp dyke					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-6 SHEET 6 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			~~Remark: Continue~~					
			71.8 to 71.82 Diabase dyke, 50°					
			72.05 to 73.85 " "					
			75.75 to 75.76 Lamp Dyke					
			~~78.2 to 79.0 " "~~					
			~~79.8 to 82.8 " "~~					
82.8	99.1		Mg leuco mafic flow					
			Veins: 55° milky white qz 85.9 to 86.05					
			~~86.75 to 86.8 q.v. milky i/c smoky Tr Cp~~					
			Remark: 98.3 to 98.8 Lamp dyke					
			96.2 to 96.25 " "					
			95.4 to 96.0 Chloritization					
99.1			End of Hole					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-6

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	SLUDGE ASSAYS Au (g/t)
					3.66	6.10	2.44	Tr
					6.10	9.14	3.05	Tr
					9.14	12.19	3.05	Tr
					12.19	15.24	3.05	Tr
					15.24	18.29	3.05	Tr
					18.29	21.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	Tr
					27.43	30.48	3.05	Tr
					30.48	33.53	3.05	Tr
					33.53	36.58	3.05	Tr
					36.58	39.62	3.05	Tr
					42.67	45.72	3.05	Tr
					45.72	48.77	3.05	Tr
					48.77	51.82	3.05	Tr
					51.82	54.86	3.05	Tr
					57.91	60.96	3.05	0.17
					60.96	64.01	3.05	0.17
					64.01	67.06	3.05	0.07
					67.06	70.10	3.05	Tr

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 214-6

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Sludge Au (g/t) ASSAYS
					73.15	76.20	3.05	0.17
					76.20	79.25	3.05	Tr
					79.25	82.30	3.05	Tr
					82.30	85.34	3.05	Tr
					85.34	88.39	3.05	Tr
					91.44	94.49	3.05	Tr
					94.49	99.06	3.05	Tr

L. Thurlow
Geologist
Sulpetro Minerals Ltd.
Apr 1/82

ST JOSEPH EXPLORATIONS LIMITED — DRILL LOG — HOLE NO. 2174 - 7

SHEET 1 OF 1

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED	CORRECTED DIP TESTS
Belleterre Village	Guillet Twp.	343° (true)	3rd February, 1981	
PROJECT	LOT & CONC.	DIP	DATE COMPLETED	Collar -45.5°
2174 - 036	Range VIII	-45.5°	6th February, 1981	
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY	60.1 -39°
387427 - 5	L4+00E:16+55.3S	100.4 m.	Barron Diamond Dr.	
GRID NO.		COLLAR ELEV.	LOGGED BY	
1980 - 075°, B.L.			Konny Lai	

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
			OBJECTIVES:- To test organic soil geochemical anomaly.				
0	3.66		Casings				
3.66	12.12		Coarse Porphyritic Pyroclastic Tuff Greyish color with a tinge of green with abundant of blue quartz eyes. (3 mm)				
			Structure: The grading of lithic fragments suggest a south top facing direction.				
			Alterations: Minor silicification has taken place locally. No carbonate alterations.				
			Veins: No significant vein occurs here.				
			Mineralizations: 1 to 2% disseminated Py and fine Mt. The unit is magnetic.				
			Remarks: The same unit recur again about 13 m down hole.				
12.12	25.4		Mafic Interflow Intercalated with Tuffaceous Sediments This may be a lava flow that break up and mixed with the Pyroclastic tuff below it. It is possible that they are actually the aquegene tuff.				
			Structure: minor brecciation.				
			Alteration: Carbonate alteration. Some epidotization has taken place.	3916	33.0	34.0	1.0
				3917	34.0	35.0	1.0
			Veins: a few carbonate - quartz stringers occur here and there. No strong q. vein observed.	3918	35.0	36.0	1.0
				3919	36.0	37.0	1.0

ASSAYS

Tropari @ 99.06 m
Azimuth 2° (35 1° True)
Dip 40°

	DOWN HOLE CO-ORDINATES			
	Depth	X(343°)	Y(ver)	Z(073°)
Collar	0	0	0	0
2.43°	30.05	21.04	21.43	0.89
6.43°	79.58	59.29	52.60	5.20
8.00	100.4	75.09	65.99	7.42

3916	Tr
3917	0.17
3918	Tr
3919	Tr

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 7

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			Mineralization: Traces of disseminated Py and up to 1% Mt.	3920	37.0	38.0	1.0	Tr
			Remark: 0.4 m. mafic dyke at 17.8 m. w/accicular anyphibole.					
25.4	37.0		Coarse Porphyritic Pyroclastic Tuff See above. 33 to 34. 3% sulfide in schist. 34.25 q. veinlet 1 cm, 40°, tr Py.					
37.0	88.7		Differentiated Gabbroic Intrusive Medium - coarse grained, medium dark green Gabbro.					
			Structure: Weak preferred orientation found in amphibole.					
			Alterations: Carbonate alteration found in few places, essentially the finer grain segments of the unit. Carbonate stringers are common. Minor epidotization.					
			Veins: 45.53, q. veinlet, 3 cm., 65°, cb-M, barren.					
			45.94, q. veinlet, 3 cm, 50°, cb-N, Tr Py.					
			48.5, q. veinlet, 2 cm, 5°, cb-S, i/c mafics Tr Py.					
			48.7, q. veinlet, 3 cm sub parallel to core, 5°, cb-M, Tr Py.					
			49.22, q.-carbonate veinlet, 2 cm, Tr Py.					
			64.9, calcite stringers.					
			64.95, epidote bands.					
			73.82, q. veinlet, 2 cm, 75°, barren.					
			76.15, splash quartz, barren.					
			Remarks: 66 to 72.68 biotite lamp. dyke. (felsic variety) 2% sulfide, mainly Py.					
			74.25 to 78.12 biot. lamp. dyke.					

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			78.12 intrusive becomes very lencocratic. cumulus texture become more and more obvious down hole. Perhaps suggesting a north facing direction which is contrary to the piece of evidence found in the pyroclastic tuff which suggest a south facing direction.					
			86.54 to 86.93 biot. lamp. dyke.					
			87.7 to 88.28 biot. lamp. dyke.					
88.7	100.8		Mafic Porphyritic Flow					
			Structure: slightly sheared, schistosity 75°.					
			Alteration: fairly strong carbonate alterations.					
			Veins: 93.28, q. veinlet, 0.5 cm. 45°.					
			98.35, q. veinlet, signs of brecciation , Sericite rd.					
			98.56, q. veinlet, 2 cm., 40°, barren.					
100.4			END OF HOLE					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-7 SHEET 4 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) Sludge ASSAYS
					3.66	6.10	2.44	Tr
					6.10	9.14	3.05	Tr
					9.14	12.19	3.05	0.17
					12.19	15.24	3.05	0.17
					15.24	18.29	3.05	Tr
					18.29	21.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	0.07
					27.43	30.48	3.05	0.17
					32.00	33.53	1.53	Tr
					33.53	36.58	3.05	0.34
					36.58	39.62	3.05	0.17
					39.62	42.67	3.05	0.17
					42.67	45.72	3.05	Tr
					45.72	48.77	3.05	0.07
					48.77	51.82	3.05	0.07
					51.82	54.86	3.05	Tr
					54.86	57.91	3.05	Tr
					57.91	62.48	4.57	Tr
					62.48	67.06	4.58	Tr

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-7 SHEET 5 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) ASSAYS	Sludge ASSAYS
					67.06	70.10	3.05	Tr	
					70.10	73.15	3.05	Tr	
					73.15	76.20	3.05	Tr	
					76.20	79.25	3.05	Tr	
					79.25	82.30	3.05	Tr	
					82.30	85.34	3.05	Tr	
					88.39	91.44	3.05		

Formerly
Geologist
Sulpetro Minerals Ltd
Apr 1/82

DRILL LOG HOLE NO. 2174-8

PROPERTY: Belleterre Village	TP OR AREA: Guillet Twp.	AZIMUTH: 165°	DATE STARTED: Feb. 11, 1981	CORRECTED DIP TESTS	LOCATION SKETCH OF HOLE
PROJECT: 2174-036	LOT & CONC.: Range IX	DIP: -40.5	DATE COMPLETED: Feb. 13, 1981	collar -40.5	
CLAIM NO.: 369755-1	CO-ORDINATES: 7+50E; 10+10S	LENGTH: 149.4	DRILLED BY: Barron Diamond Drilling	137.2 -29°	
GRID NO.: 1980-075 BL		COLLAR ELEV.	LOGGED BY: Konny Lai	121.9-29.5	

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:- To test the Mud Lake Shear
00	6.7		Casings
6.7	11.4		Talc Chlorite Schist The rock is dark green in colored interwoven with numerous ivory colored talc bands It is very soft and corks are broken in many places. Pyrite found in the unit are usually subrounded to sub angular
			Structure: Schistosity at 25° to 40 Broken Core at 7.6 to 7.8 8.6 to 9.0
			Alterations: Chlorite & Talc Alterations weak to moderate carbonatizations
			Veins and Mineralizations No vein system encountered in this unit. Mineralization is limited to sparse mg Py

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-8 SHEET 2 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
11.4	30.5		mg. Muscovite -Biotite Lamprophyre dyke Chilled contact with talc chlorite schist indicate this unit is alate mafic intrusive Muscovite, can be found close to the upper ct. lower portion of the unit is dominant by biotite. The unit is weakly to moderately carbonatized. Structure: Upper Ct. is at 18° Mineralization: Sparsely mineralized with Py Remark: strongly carbonatized area can be found as 15.0 to 18.0 18.4 to 18.7 28.25 to 28.35 28.80 to 29.40					
30.5	48.9		Tuffaceons sediments with thin interbedded fine sand to silt size sediments and mfg mafic volcanics Cherty sediments are gryish white in color and are usually very fine grained. They are well banded and has been slightly sericitezed. Fine sand sized area it can be found at 31.45 to 32.0 Structure: bedding at 40 to 45°					

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) ASSAYS	Ag (g/t)
			Alterations: sericitization can be found in the Tuff beds. Silicification is very common		31.0	32.0		31.0 to 39.0 should be split except lamp dyke	
			Veins and Mineralization						
			38.0 to 38.75 well mineralized with 3% Py 1% Cp and Sph 0.5% Veining are intercalated within the silicified ser. bands 40.8 q.v. 5 cm 10° or less, Tr Cp i/c mafics	3907	40	41.0	1.0	Tr	Tr
			40.9 q.v. 5 cm 40°	3908	41.0	41.55	0.55	0.17	0.69
			Remark: Biot. Lamp dyke at 31.75 to 31.85						
			31.9 to 32.00	3904	44.0	45.0	1.0	Tr	Tr
			32.16 to 33.12						
			42.10 to 43.90	3905	45.0	46.0	1.0	Tr	Tr
			Thin cb-mfg mafic volcanic at 33.25 to 34.10 highly carbonatized in places carry 3% Py 1.5% Cp	3906	46.0	47.0	1.0	Tr	Tr
			41.0 to 42.10						
43.9	50 5		Feldspar Porphyry						
			mq feldspar in a carbonatized slightly chloritized matrix. Very leucocratic only carry 5 to 10% mafic can sediments in the non chloritized portion. The upper segment of the porphyry is highly altered, bleached and feldspar uner went alteration to give it a beige color. The unit invariably carry 1 to 2% Py, Tr Cp It gives the impression of an arkosite texture in sediment						

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-8 SHEET 4 OF ___

METRES FROM	METRES TO	SECTION	DESCRIPTION
50.5	51.5		Brecciated mg mafic flows
			well developed mg. at the upper ct Brecciation at 51.1 to 51.3
51.5	70.45		Pyroclastic Ash fall Tuff with thin interbedded mafic flows
			Coarse ash size less commonly apillie size lithic fragment with blue qz eye size the matrix
			mfg to fg mafic flows at 54.5 to 55.47
			56.5 to 57.75
			67.0 to 68.0, slip plane is ^10° (w/pyroclastic)
			Strucutre: bedding at 40 to 45°
			Weakly schistosity at 45°
			Alteration: Weak to moderate Carbonate alterations
			Silicification is strong within cherty beds.
			~~Remark: biot lamp dyke at 62.0~~
			~~Top facing direction ^south~~
70.45	89.6		Mafic Tuff
			~~Another phase of pyroclastic ash fall?? Fragments are usually subhedral feldspar less than 3 mm size~~
			ie. coarse ash to apill. size

SAMPLE NO.	FROM	TO	LENGTH

ASSAYS

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-8

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) ASSAYS	Ag (g/t)
			Mineralization, Veins: 77.8 to 77.98 q. veinlet blobs of Por at						
			78.55 to 78.75 brecciated q.v. ^50° altered fld product	7000	79.0	80.0	1.0	Tr	Tr
			Act in dite in q.v. 1% Po at 80.5 to 80.7 in host rock	3901	81.0	82.0	1.0	0.07	Tr
			81.1 to 81.84 q.v.s. ^25° white glassy 20% Qz fld alt^n Cp, Po, Py i/c mafics	3902	82.0	83.0	1.0	Tr	Tr
			81.86 to 82.57 c-qv ^15°, 2 generations cb-s						
			84.0 to 84.06 q. veinlet ^35°, Tr Py Po	3903	83.75	84.25	0.5	Tr	Tr
			Remark: biot. lamp dyke at 73.9 to 74.25						
			f. sand size Arenite at 87.0 to 88.2						
			silicification in the mafics tuff becomes quite intense from 86.25 to 89.6						
89.6	149.4		Talc Chlorite Schist						
			See Above						
			Structure: Schistosity at45°						
			Remark: Lamp dyke at 89.7 to 91.2						
			1 m core loss						
149.4			End of hole						

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-8

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	SLUDGES Au (g/t) ASSAYS
					6.71	9.14	2.43	Tr
					9.14	12.19	3.05	Tr
					12.19	15.24	3.05	Tr
					15.24	18.29	3.05	Tr
					18.29	12.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	Tr
					27.43	30.48	3.05	Tr
					30.48	33.53	3.05	Tr
					33.53	36.58	3.05	Tr
					36.58	39.62	3.05	Tr
					39.62	42.67	3.05	0.17
					42.67	45.72	3.05	0.17
					45.72	48.77	3.05	Tr
					48.77	51.82	3.05	Tr
					51.82	54.86	3.05	0.17
					54.86	57.91	3.05	Tr
					57.91	60.96	3.05	0.17
					60.96	64.01	3.05	Tr
					64.01	67.06	3.05	Tr
					67.06	70.10	3.05	Tr

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. _____

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) Sledges ASSAYS
				70.10	73.15	3.05		Tr
				73.15	76.20	3.05		0.07
				76.20	79 25	3.05		Tr
				79.25	82.30	3.05		Tr
				82.30	85.34	3.05		Tr
				85.34	88.39	3.05		0.17
				88.39	91.44	3.05		Tr
				91.44	94.49	3.05		Tr
				94.49	97.54	3.05		Tr
				97.54	100.58	3.05		Tr
				100.58	03.63	3.05		Tr
				103.63	106.68	3.05		Tr
				106.68	109.73	3.05		Tr
				109.73	112.78	3.05		Tr
				112.78	115.82	3.05		Tr
				115.82	118.87	3.05		Tr
				118.87	121.92	3.05		Tr
				121.92	124.97	3.05		Tr
				124.97	128.02	3.05		Tr
				128.02	131.06	3.05		Tr
				131.06	134.11	3.05		Tr

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-8 SHEET 8 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Sludge Au (g/t) ASSAYS
				134.11	137.16	3.05		Tr
				137.16	140.21	3.05		Tr
				140.21	143.26	3.05		Tr
				143.26	146.30	3.05		Tr
				146.30	149.66	3.05		Tr

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April, 1982

ST JOSEPH EXPLORATIONS LIMITED — DRILL LOG — HOLE NO. 2174 - 9

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED	CORRECTED DIP TESTS
Belleterre Village	Guillet Twp.	281°	18 February 1981	
PROJECT	LOT & CONC.	DIP	DATE COMPLETED	Collar -45°
2174 - 036	Range IX	-45°	18 February 1981	
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY	29.9 -42°
369755 - 2	11+23E; 11+57S	29.9	Barron Diamond Dr.	
GRID NO.		COLLAR ELEV.	LOGGED BY	
1980 - 075 B.L.			Konny Lai	

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:- To test the Clog Lake Vein under the best section .
0	3.66		Casings
3.66	18.20		Grey colored, medium-fine grain porphyritic flow Not a very common variety in this property. Probably of intermediate composition. Structure: Quite massive; with many quartz vein cross cutting this unit. Alteration: very well carbonitized. Numerous calcite veinlets and stringers are also found. Mineralization: Disseminated sulfide mostly Py, rarely Cp, are sparsely dispersed throughout. Veins: Apart from the carbonate veins, Quartz veins are found at: 4.56, Q. veinlet 3mm, 15°, Tr Py & specks Cp, cb-s 4.77, Q. veinlet, 1.5 cm, 62°, bluish, little to no mineralizations, cb-N to V. Weak. 5.32, Q. veinlet, 6mm, 86°, slightly bluish, Py & Tr Cp , Cb-S. 5.85, Q. veinlet, 5mm, bluish 15°, Tr Py. 6.17, Q. veinlet, 2mm, 20°, Tr Cp & Py, Cb-S

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au (gm/tonne)
3911	4.5	5.5	1.0	tr
3912	5.5	6.5	1.0	tr

Down Hole Depth	Co-ordinates X(281°)	Y(ver)	Z(011°)
Collar	0	0	0
14.95	10.57	10.57	0
29.9	21.68	20.57	0

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) ASSAYS
			9.30, Q. vein 3.0 cm, 75°, slightly i/c mafics sparse sulfide mineralization at lower ct.					
			11.20, Q. veinlet, 1 cm, 35°, bluish, no sulfide mineralization.					
			12.13, Q. veinlet 5 mm, 30°, Tr Py chlorization	3913	12.5	13.0	0.5	tr.
			12.4, Q. veinlet, 2 cm, 60°, Tr Py, glassy	3914	13.0	14.0	1.0	tr.
			12.6, Q. veinlet, 1 cm, 20°, no sulfide mineralization.					
			12.72, Q. veinlet, 3 cm, 65°, i/c mafics, cb-S, no mineralization.					
			12.77, Q. veinlet, 2 cm, 60°, i/c mafics, Py, cb - S.					
			13.50, Q. veinlet, 7 mm, 25°, Py, cb-S.					
			Remarks: There are some broken core sections at: 7.3 7.8 8.0 17.4, to 17.7 sheared mafic carbonitized dyke (0.3 m) 20°.					
18.2	29.9		Chloritized semi-massive medium-grained Quartz Diorite The rock is greyish colored and resembled that of meta sediment, but there is little evidence that suggest a sedimentary origin for this unit, (since the hole was drilled along strike), no bedding or other structures are observed. Mapping on the surface suggests an intimate relationship of this unit with other siliceous Tuff sediments. It is probably intermediate to felsic in composition with plenty of blue quartz eyes.					
			Structure: Slightly sheared causing chlorite in the matrix to concentrate results in a peculiar mottled appearance.					
			Alteration: Chlorization and strong carbonate alterations.					

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 -9

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Sludges ASSAYS Au (gm/tonne)
					3.66	6.0		trace
						9.14		trace
						12.19		trace
						15.24		trace
						18.29		trace
						21.34		trace
						24.38		trace
						27.43		trace

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 9

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) ASSAYS
			Mineralization: Sparsely minerlized with diss. Py and evenly less commonly Cp.					
			Veins:					
			20.31 Q. veinlets, 4 mm., 15°, cb - M, Tr Py.					
			22.96 Q. vein, 27 cm., 20°, i/c mafics, to (village Vein?) Clog Lake	3915	22.5	23.5	1.0	tr.
			23.23 Cb-M, at least 2 generation slightly bluish. Py mineralization found mainly close to the upper and lower wallrock contact.					
			27.7 Q. veinlet, 1 cm, 25°, white glassy variety, Tr Py, cb - S.					
	29.9		END OF HOLE.					

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ST JOSEPH EXPLORATIONS LIMITED — DRILL LOG — HOLE NO. 2174 - 10

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED	CORRECTED DIP TESTS
Belleterre Village	Guillet Twp.	281°	19 February, 1981	
PROJECT	LOT & CONC.	DIP	DATE COMPLETED	Collar -45°
2174-036	Range IX	-45°	19 February, 1981	
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY	38.7 -43°
369755 - 2	11+27E; 11+47S	38.7	Barron Diamond Dr.	
GRID NO.		COLLAR ELEV.	LOGGED BY	
1980-075 B.L.			Konny Lai	

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:- To test the possible northern extension of the Clog Lake Vein.
0	3.66		Casings
3.66	38.7		Grey Colored Chloritized semi-massive medium grained Quartz Diorite See hole # 2174 - 9. In some places the rock resembles that of sand size sediment. Blue quartz 'eyes' are quite abundant.
			Structure: Slightly sheared in places.
			Alterations: Chloritization and strong carbonate alterations. Potassic alteration is also observed, but only to a minor extent.
			Mineralization: Disseminated Py with Tr. Cp can be found everywhere in minor amounts.
			Veins: 4.0 Q. veinlet 25° 5mm. cb-m, Tr Py & Cp
			6.27 Q. veinlet. 4mm 25°, cb-s, Tr Py
			7.24 Q. veinlet 4 mm 72°, cb-s, tr Py diffuse contact
			11.85 Siliceous carbonate vein. mafics 5 cm, 240°, Py 2%
			11.97 q. veinlet 0.5 cm. 40°, Py & Tr. Cp.
			12.05 q. veinlet 0.5 cm. 25° Py
			13.26 q. veinlet, 1 cm. 45° Py.

SAMPLE NO.	FROM	TO	LENGTH
3921	3.75	4.25	0.5
3922	11.50	12.5	1.0

ASSAYS

Down Hole Depth	Co-ordinates X(281°)	Y(ver)	Z(011°)	
Collar	0	0	0	
19.35	13.68	13.68	0	
38.70	27.83	26.88	0	
				Tr
				Tr

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 10 SHEET 2 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			14.92 q. vein. 6 cm. 60°, cb-s Py, i/c mafics	3923	14.5	15.5	1.0	Tr
			16.37 q. veinlet, 0.7 cm. 30°, cb-m, Py streaks					
			19.05 q. veinlet, 1.2 cm. 50°, i/c mafics Py 3%	3924	19.0	19.5	0.5	Tr
			19.30 2 q. veinlet, core cut vein at very shallow angle 18° & less, 0.7 cm. Py, slight slip cause minor displacement of vein.					
			20.33 carbonate - quartz veinlet 45°.					
			20.57 q. veinlet 0.5 cm. 20°, Tr. Py.					
			21.48. q. veinlet. 1cm, 18°, Py 3%, Tr Cp & Sp? too fine to be identified.					
			23.95 q. veinlet, 0.5 cm 20°	3925	21.25	21.75	0.5	Tr
			25.55 q. veinlet, 2.5 cm. 55° Tr Py i/c mafics					
			27.14 q. veinlet, 0.8 cm. 20°, Tr Py.					
			31.70 q. vein. bluish quartz, 20 cm. 65°					
			Possibly it's the Clog-Lake Vein.	3926	31.0	32.0	1.0	Tr
			Thin band of Py at the beginning Tr Cp can be observed. Chloritization cause an altered zone. 25 cm. on both end of the vein.					
			35.91 q. veinlet, i/c mafics 1 cm., 30°, K-alterations for 10 cm.					
			Remark: Broken core section at 9.0					
			9.4 to - some gouging. 9.68 Schistosity 40° shearing.					
38.7			End of Hole.					

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 10

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au (gm/tonne)
					3.35	6.10		trace
						9.14		trace
						12.19		trace
						15.24		trace
						18.29		trace
						21.34		trace
						24.38		0.07

Tom Thain
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April, 1982

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. 2174-11

SHEET 1 OF —

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED	CORRECTED DIP TESTS			
Belleterre Village	Guillet Twp.	345°	Feb. 24, 1981				
PROJECT	LOT & CONC.	DIP	DATE COMPLETED	collar	-40°		
2174-036	Range VIII	-40°	Feb. 27, 1981				
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY	61.0	-37°		
287427-2	12+25E; 18+40S	106.4 (349')	Barron Diamond Dr.				
GRID NO.		COLLAR ELEV.	LOGGED BY				
1980-075 E1			Konny Lai				

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			OBJECTIVES:- To test the possible faulted extension of Village Vein					
00	7.31		Casings					
7.31	19.0		Pillowed Basalt flows Dark green, f.g. Chloritized pillowed flow Structure: Pillow salvage edges bands at 55° ~~Alterations: pervasive chloritization weak~~ carbonatization Veins & Mineralizations 9.25 to 9.40 q. carbonate vein ~55°, i/c mafic constituents sparse sulfide mineralizations 13.15 to 13.18 q. veinlet, ~50°, sparse Py mineralizations ~~Remark: 13.6 to 13.75 diroite lamp dyke~~					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-11 SHEET ___ of ___

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
19.0	60		mfg to fg mafic volcanic flows					
			The upper 2 m tend to be dominated by mfg materials					
			Alterations: Very weakly carbonatized silicified found at 20.7 to 20.95 carbonatized zone at 43.15 to 59.5					
			Veins: q-c veinlet 43.3 to 43.34 47.65 to 48.05 q.v.s. 45° sh 1% Py					
			Remark: Lamp dyke amphibite cb-s 26.43 to 28.25 29.7 to 30.2 34.5 to 35.2 40.8 to 42.8 Biot. Lamp dyke 52.0 to 52.5 possibly another band of amp pillow lava flour at 59.5 to 60.0					
60	72		mg to mfg mafic flows see previous descriptions Structure: bandings at 60°					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-11

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			Mineralizations: 70.9 to 70.98 Py bands					
72	80.1		F.g. Mafic Volcanics See above no strong vein encountered in this unit.					
			Remark: 73.1 to 79.73 cq biot. Lamp dyke					
80.1	81.25		F.g. silicified Tuff F.g. Greyish silicified Tuff Structure : Bedding at 50°					
81.25	95.6		Brecciated Carbonatized f.g. mafic flows fragments are between 2mm to 8mm in size 91.1 to 91.6) 92.4 to 92.5) massive f.g. unit					
95.6	99.90		C.g. Biot. Lamprophyre dyke					
99.90	106.4		M.g. spotted Gabbro See previous description Massive weakly cb-w					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-11

SHEET 4 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) Sludge ASSAYS
			q. veinlet at 102.65					
			Remark: c.q. lamp dyke at 103 to 105					
106.4			End of Hole		6.10	9.14	3.04	Tr
					9.14	12.19	3.05	Tr
					12.19	15.24	3.05	Tr
					15.24	18.29	3.05	Tr
					18.29	21.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	Tr
					27.43	30.48	3.05	Tr
					30.48	33.53	3.05	Tr
					33.53	36.58	3.05	Tr
					36.58	39.62	3.05	Tr
					39.62	42.67	3.05	Tr
					42.67	45.72	3.05	Tr
					45.72	48.77	3.05	0.17
					48.77	51.82	3.05	0.17
					51.82	54.86	3.05	0.17
					54.86	57.91	3.05	Tr
					57.91	60.96	3.05	0.17
					60.96	64.01	3.05	Tr

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-11 SHEET 5 OF

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) Sludge ASSAYS
					64.01	67.06	3.05	0.17
					67.06	70.10	3.05	Tr
					70.10	73.15	3.05	Tr
					73.15	76.20	3.05	Tr
					76.20	79.25	3.05	0.17
					79.25	82.30	3.05	Tr
					82.30	85.34	3.05	Tr
					85.34	91.44	6.10	Tr
					91.44	97.54	6.10	0.17
					97.54	103.63	6.10	Tr

Terry Thew
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April 82

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. 2174-12

SHEET ___ OF ___

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED	CORRECTED DIP TESTS
Belleterre Village	Guillet Twp.	340°	Feb. 28, 1981	
PROJECT	LOT & CONC.	DIP	DATE COMPLETED	collar -39.5°
2174-036	Range VIII	-39.5°	March 1, 1981	
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY	61.0 -36°
387427-2	13+61.5E; 17+76S	86.0(282)	Barron Diamond Dr.	
GRID NO.		COLLAR ELEV.	LOGGED BY	86.0 -35°
1980-075 BL			Konny Lai	

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:-
0	5.50		Casings
5.50	6.80		Interflow meta sediments Chloritized Greywacke matrix containing sub angular ~~to subrounded pebble site clsts Qz, fld & lithic fragments.~~
			Structure: bedding at 55° or more Upper Ct at 45° Mineralization: Ave. 2% mg. Py
~~6.8~~	~~8.3~~		~~Mafic dyke: Micaceons Chlorite lamp dyke~~ ~~Carry one 12 cm syenite pebble~~
8.3	12.7		f.g. mafic volcanic flow dark green, massive and moderately carbonatized 10.2 to 11.0 micaceons chlorite lamp dyke carry an abundant of tiny arcicular amphibot x'l ~~12.7 to 12.85 Biot. lamp dyke~~

SAMPLE NO.	FROM	TO	LENGTH

ASSAYS

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-12

METRES FROM	METRES TO	SECTION	DESCRIPTION
12.7	36.9		~~Semi massive m-cg. Gabbroic intrusive~~ See previous description a feww cc veinlets here and there ~~Structure: a foliated section at 24.0 to 26.3~~ ~~Schistosity at 30°~~ Remark: No strong vein system encountered
36.9	46.7		Biot. Lamp dyke ~~Veriolitic Pillowed Basalt Flow~~ See Hole #11 description Remark: Biot. lamp dyke at 43.2 to 46.7
46.7	56.75		~~m-fg to fg mafic flows~~ See previous descriptions ~~Structure: schistosity at 65° or more~~ ~~Remark: lamp dyke at 50.24 to 51.55~~ ~~56.0 to 56.25~~ ~~Carbonatization becomes more intense approaching~~ the lower silicified tuff ct

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-12. SHEET 3 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
56.75	58.25		F.g. silicified Tuff					
			See previous descriptions					
			In places, partially sericitized					
			Structure: bedding at 70° or more					
			Remark: sulfide mineralization is rereand is limited to slip planes					
58.25	68.35		Brecciated f.g. mafic lava flows					
			the breccia seemed to be primary they are possibly flow top breccia					
			size of fragments are usually less thn 12 cm					
68.35	79.2		Semi massive mfg mafic flows					
			See previous descriptions					
			Structure: Weak schistosity at 60°					
			Vein: 78.5 to 79.4 q-c veinlet 45°, Tr sulfide					
			Remark: Lamp dyke at biot. chl type 70.4 to 72.96					
			The bottom of the unit is probably variolitic mafic flows					
78.2	86.0		mg Gabbroic intrusive					
			see previous description					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-12 SHEET 4 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) Sludge ASSAYS
			Remark: mafic chlorite dyke at 79.3 to 80.5 Coarse grain biot. lamp dyke at 84.3 to 85.8 include prop. pebbles		6.10	9.14	3.04	Tr
					9.14	12.19	3.05	Tr
86.0			End of hole		12.19	15.24	3.05	Tr
					15.24	18.29	3.05	Tr
					18.29	21.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	Tr
					27.43	30.48	3.05	Tr
					30.48	33.53	3.05	Tr
					33.53	36.58	3.05	Tr
					36.58	39.62	3.05	Tr
					39.62	42.67	3.05	Tr
					42.67	45.72	3.05	Tr
					45.72	48.77	3.05	Tr
					48.77	51.82	3.05	Tr
					51.82	54.86	3.05	Tr
					54.86	57.91	3.05	Tr
					57.91	60.96	3.05	Tr
					60.96	64.01	3.05	Tr
					64.01	67.06	3.05	Tr

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-12 SHEET 5 OF ___

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Sledge Au (g/t) ASSAYS
					67.06	70.10	3.05	Tr
					70.10	73.15	3.05	Tr
					73.15	76.20	3.05	Tr
					76.20	79.25	3.05	Tr
					79.25	82.30	3.05	0.17
					82.30	85.34	3.05	Tr

Kenneth Hoy
Geologist
Sulpetro Minerals Ltd
April, 1982

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. 2174-12

SHEET 1 OF

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED
Belleterre Village	Guillet Twp	344°	March 4, 1981
PROJECT	**LOT & CONC.**	**DIP**	**DATE COMPLETED**
2174-036	Range IX	-40°	
CLAIM NO.	**CO-ORDINATES.**	**LENGTH**	**DRILLED BY**
369755-4	9+56E; 11+22S	154.2m	Barron Diamond Dr.
GRID NO.		**COLLAR ELEV.**	**LOGGED BY**
1980-075° B.L.			Konny Lai

CORRECTED DIP TESTS

collar	-40°		
		153.6	-31°
60.0	-36°		
121.0	-32°		

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:- To test the favorable geological setting for gold. Mineralization in the Mud Lake Fault
0	3.66		Casings.
3.66	11.6		Medium grained Quartz diorite Semi Massive medium grey colored with blue quartz eyes and sparsely mineralized with sulfide Py, Tr Cp Very well carbonaitized. A distinctive character of this unit is the brownish porous appearnce of weathering. This unit gradually grade into
11.6	33.56		Medium fine grained gabbra This gabbro has a feldspar porphyritic texture ~11.6m Gradational Contact
12.5	12.78		Coarse grained Biotite Lamprophyre Dyke
20.6	21.08		Medium Grained biotite Lamprophyre dyke
			Structure: Semi massive blocky in places Broken core at 4.6m and 7.6m

SAMPLE NO.	FROM	TO	LENGTH

ASSAYS

Tropari

Depth	Mag	Azimuth	Dip
153.6	358°	347°	-31°

Down Hole Coordinates

Depth	x (345)	y (Ver)	Z (075)
collar	0	0	0
30.0	23.0	19.3	0.2
90.5	71.9	54.8	1.7
137.3	111.5	79.6	3.6
154.2	126.0	88.3	4.4

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13 SHEET ___ of ___

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			~~Structure Continue:~~ ~~broken core at 13.4 & 15.8~~ minor fault with gouge at 16.5 Shearing started at 33.2 m and progresses became more ~~severe as one more down hole~~ Veins at 7.8m Q. veinlets white glassy variety 0.5 m ~18° Some Py at 9.8m Q. veinlets 1 cm, 50° brown weathered appearance with mica 14.9m to 15.2 series of Q. veinlet 1cm, 2cm, 4 cm resp. all ~75°, quite well mineralized, host rock is slightly sheared ~~21.08 Q. veinlet at context of Lamp dyke and mafic intrusive 1cm, ~50°~~ ~~22.48 Q. veinlet 2.5 cm 70° no mineralization of~~ sulfide white glassy variety					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			Remark: 12.5 to 12.78 Coase grained biotite Lamprophyre Dyke					
			~~20.6 to 21.08 medium grained biotite Lamprophyre Dyke~~					
			28.0 to 28.35 medium grained biotite lamprophyre Dyke lower ct ~35°					
			Gradational Contact between gabbrois intrusive and ~~ultramafic talc schists.~~					
			~~The gabbroic intrusive is~~ quite well ~~carbonitized~~ but as we move closer to the ultramafics, rocks become non-carbonatized and more severely sheared and they are magnetic.					
33.56	38.4		Talc-Schist					
			Grey colored, pervasively sheared and magnetic					
			Structure: Apart from the shearing, some late faults ~~are found between~~ 36.0 to 38.0					
			Brecciation of the feldspar porphyry found near 38.0					
			~~Veins: q.v. 5 cm ~45° white glassy no mineralization~~					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			Veins: at 38.03, q. veinlet 2 cm, i/c mafic ~70°					
			No sulfide mineralization					
38.4	50.1		Feldspar Porphyry					
			Beige colored coarse grained prophyry with ^5 to					
			6% quartz eyes	3930	48.0	49.0		Tr
			Alteration: sericitization, potassic alteration	3931	49.0	50.0		Tr
			silicification weak chloritization					
			Mineralization: the prophyry is very weakly					
			mineralized with sulfide mainly speks of Py + Tr Mo					
			at 45.3					
			Veins: at ~50°					
			There is a vein system cross-cutting this porphyry					
			and they are almost barren as far as sulfide					
			mineralization is concerned.					
			Vein at 40 to 42 20% Qz material barren, some chl					
			streaks					
			42 to 43.7 30% Qz barren					
			44.7 to 50.1 35 to 40% QZ tr Mo at 45.3					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			~~Remark: Talc Chlorite schist at 43.7 to 44.7~~					
			~~Fault at 44.5~~					
50.1	56		Talc Chlorite Schist					
			See previous description					
			Structure: Schistosity at 70° Faulting at 52.0					
56.0	57.0		Sericitized Mineralized Porphyry dyke	3929	56.0	57.0	1.0	Tr
			K-spar reddish brown in color i/c with Talc chlorite					
			schist Ave 3% Py, Cp					
57.0	73.5		Talc Chlorite Schist					
73.5	74.5		Q. Vein 0.61 m minor Cp, Py	3928	73.0	73.5	0.5	0.17
				3927	73.5	74.5	1.0	Tr
74.5	138.4		Talc Chlorte Schist					
			~~See above~~					
			Structure: schistosity at 75°					
			117.3 to 118.6 Faulting, broken core and gouge					
			~~122.2 to 122.5 faultings~~					
			~~133.5 to 133.7 Faultings~~					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13

METRES FROM	METRES TO	SECTION	DESCRIPTION
			Remark: 119.6 to 120.1 lamp dyke
			133.5 to 133.7 lamp dyke and mafic materials in faults
138.6	141.1		mfg mafic flows
			possibly mafic tuff
			Remark: 138.4 to 139.2 lamp dyke
141.1	141.4		Sil. felsic tuff
141.4	154.1		Thick biot. Lamprophrye dyke
154.1			End of Hole

SAMPLE NO.	FROM	TO	LENGTH	Sludge Au (g/t) ASSAYS
	3.05	6.10	3.05	Tr
	6.10	9.14	3.05	Tr
	9.14	12.19	3.05	Tr

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13 SHEET 7 OF —

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) Sludge ASSAYS
					12.19	15.24	3.05	Tr
					15.24	18.29	3.05	Tr
					18.29	21.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	Tr
					27.43	30.48	3.05	Tr
					30.48	33.58	3.05	Tr
					33.58	36.58	3.05	Tr
					36.58	39.62	3.05	Tr
					39.62	54.86	15.24	Tr
					54.86	57.91	3.05	Tr
					57.91	60.96	3.05	Tr
					60.96	64.01	3.05	Tr
					64.01	67.06	3.05	Tr
					70.10	73.15	3.05	Tr
					73.15	76.20	3.05	Tr
					76.20	79.25	3.05	Tr

Tommy Thai
Geologist
Sulpetro Minerals Ltd
April, 82

ST JOSEPH EXPLORATIONS LIMITED — DRILL LOG — HOLE NO. 2174 - # 14

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED
Belleterre Village	Guillet Twp.	345°	11 March, 1981.
PROJECT	LOT & CONC.	DIP	DATE COMPLETED
2174 - 036	Range IX	-40°	13 March, 1981.
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY
	L13+00E;10+59S	153.6	Barron Diamond Dr.
GRID NO.		COLLAR ELEV.	LOGGED BY
1980 - 075 B.L.			Konny Lai

CORRECTED DIP TESTS

Collar	-40°		
60.05	-36°	152.4	-31°
121.0	-34°		

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			OBJECTIVES:- To test the Mud Lake Shear Zone and try to duplicate the assay results from previous drillings.					Down Hole Co-Ordinates
								Depth X(345°) Y(ver) Z(075°)
0	3.66		Casing.					Collar 0 0 0
3.66	26		Differentiated gabbroic intrusive fr. 3.66 - 23.5 the rock is carbonitized.					30.03 23.00 19.30 0
			Structure: It is schisted in place, but overall speaking the unit is semi-massive due to differentiated layering.					90.53 71.95 54.86 0
								136.71 110.28 80.68 0
								153.6 124.71 89.39 0
			Mineralization: Sparse Pyrite mineralization throughout with Tr. Cp occurs here and there.					
			Alteration: Besides carbonitization; potassic alteration (19 - 21m).					Au (gm/tonne)
			Veins: 6.04, q. veinlet, 0.8 cm., 30°, Tr Py glassy	3938	5.5	6.5	1.0	trace
			6.12, q. vein, 4.5 cm., 45°, Tr Py, glassy					
			10.9, q. veinlet, 1cm, 40° not much sulfide mineralization.					
			17.0, q. vein, 3 cm., 30°, no sulfide mineralization.					
			23.18, C -q. vein, 1cm., 50°, no sulfide in the vein, but Cp, Py in wall rock at upper contact.	3939	22.75	23.25	0.5	trace
			Remarks:					
26	81.78		Talc schists and altered Peridotite Grey colored, Talcose, non-carbonitized and slightly					

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 14

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) ASSAYS
			Mineralization: Sparse Py mineralization with Tr Cp in places.	3840	41	41.5	0.5	trace
			Veins at 48.8, 1.5 cm. 40°. barren.					
			50.1, 4.0 cm., 40°, barren.					
			50.3, 2 cm. 40°, barren.					
			58.3, 2 cm., barren.					
			Remarks: 44.6 to 47.2 Lamprophyre Dyke					
			56.8 to 57.5 Lamprophyre Dyke.					
			Faultings at:					
			53 broken core.					
			55.5 to 56.5 gouge, broken etc.					
			59.5 minor fault.					
			68 minor fault.					
			69 severly broken and gouge.					
			73.4 minor gouging					
			75.2 minor gouging.					
81.78	99.5		Mafic Variolitic flows					
			Characterized by the presence of variolites and some subhedral Feldspar crystals. Note that at 88.60, appearance resembled that of 'andesite Tuff'.					
			Mineralization: at 90.4, bands of Q-C vein with Pyrite.					
			Trace Pyrite can be found in most places.					
			Vein: 87.5 - 98.0 q.v. 0.5 m., 75°, Cp, Py i/c mafics	3941	87.25	98.25	1.0	trace
			98.8, q.v. 10cm., 65°, Py slightly					
			98.15; 2 q.veinlet, 2 cm. each cloudy white, bluish	3942	98.25	99.25	1.0	trace
			Remarks: Blebs of Quartz occur: at 89.0					
			at 92.3.					
98.5			Tuffaceous sediments					
			Various varieties are present here:					
			99.5 Pyroclastic flow - medium grain					
			101 'Audesite Tuff'.					

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) ASSAYS
			109, Coarse grained, Pyroclastic tuff					
			113.0, silified Tuff.					
			Evidence seems to suggest a north facing direction.					
			Alteration: include, silicification and carbonization.					
			Veins: 107.15, Q-C vein, Tr Py, some brecciation	3943	106.75	107.25	0.5	trace
			111.62, smocky quartz vein, 30 cm, 35°	3944	109.5	110	0.5	trace
			Tr Py & Tr Mo (could be Te)	3945	110	111	1.0	trace
			121.75 q.v. bluish, massive Py, Cp, Po, 25 cm, 70°					
			123.4, q.v. 4 cm., 70°, Cp, Py	3947	112	113	1.0	trace
				3948	113	114	1.0	trace
			Remarks: 110.35 Lamprophyre dyke	3949	114	115	1.0	trace
			to 110.75	3950	115	116	1.0	trace
			113.75 broken core & gouging	3951	116	117	1.0	trace
			117.38 to 118.75 interlayered sediment argillaceous	3952	117	118	1.0	trace
				3953	118	119	1.0	trace
				3954	119	120	1.0	trace
			123.5 - 136.38 medium grained mafic intrusive	3955	120	121	1.0	trace
			with distinctive resorbed feldspar grains	3956	121	122	1.0	trace
				3957	122	123	1.0	trace
				3958	123	124	1.0	trace
136.38	150.02		Quartz feldspar Porphyry	3959	136	137	1.0	trace
			Consists of A system of smoky quartz vein and	3960	137	138	1.0	trace
			veinlets.	3961	138	139	1.0	trace
			Tr Py, Cp.	3962	139	140	1.0	trace
				3963	140	141	1.0	trace
150.2	153.6		Grey Siliceous Tuff	3964	141	142	1.0	trace
			Massive, fine grain silicified Tuff	3965	142	143	1.0	trace
153.6			END OF HOLE	3966	143	144	1.0	trace
				3967	144	145	1.0	trace
				3968	145	146	1.0	trace
				3969	146	147	1.0	trace
				3970	147	148	1.0	trace
				3971	148	149	1.0	trace
				3972	149	150	1.0	trace

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 14

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	SLUDGE ASSAYS Au ASSAYS (g/t)
					3.05	6.10		trace
						9.14		0.07
						12.19		trace
						15.24		trace
						18.29		trace
						21.34		trace
						24.38		trace
						27.43		trace
						30.48		trace
						33.53		trace
						36.58		trace
						42.67		trace
						48.77		trace
						54.86		trace
						60.96		trace
						67.06		trace
						73.15		trace
						79.25		trace
						85.34		trace
						91.44		0.07
						97.54		trace

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 14

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Sludges ASSAYS Au (g/t)
					106.68	112.78		trace
						118.87		trace
						124.97		trace
						134.11		trace

Lennie Lee-
Ecologist
Saltspring Island, B.C.
April, 1987

GM-38808

Box 606
Tel. (705) 672-5233

GERARD GAUTHIER INC. trading as

BARRON DIAMOND DRILLING
HAILEYBURY, ONT. P0J 1K0

BILLING REPORT

Belleterre Job.

CONTRACT ..St..Joseph.Explorations.Limited,.Box.350.Cobalt.Ont.....

Period from .....Jan.20.1981..... to .....Jan.31.1981..... 19.....

Hole No.	2174-1	From	22	To	123	Feet	101' AQ
Hole No.	2174-2	From	16	To	110	Feet	94
Hole No.	2174-3	From	18	To	100	Feet	82
Hole No.	2174-4	From	28	To	90	Feet	62
Hole No.	2174-5	From	34	To	205	Feet	171
Hole No.		From		To		Feet	
Hole No.		From		To		Feet	
Hole No.		From		To		Feet	

Total Footage 510' AQ

Remarks:	
510 feet AQ core at 11.75 per foot	5,992.50
Installing casing in overburden.	
2174-1 From 0 feet to 22 feet = 22 feet at 12.00	264.00
2174-2 From 0 feet to 16 feet = 16 feet at 12.00	192.00
2174-3 From 0 feet to 18 feet = 18 feet at 12.00	216.00
2174-4 From 0 feet to 28 feet = 28 feet at 12.00	336.00
2174-5 From 0 feet to 34 feet = 34 feet at 12.00	408.00
Company Time.	
Jan 22 11 pcs 2 ft casing left in hole 2174-2 at 19.37	213.07
Move to hole 2174-2	400.00
Jan 26 1 test = 3 feet at 11.75	35.25
Move to 2174-3	400.00
Jan 27 1 test = 3 feet at 11.75	35.25
Jan 28 Moving to 2174-4	400.00
Jan 28 N 1 test = 3 feet at 11.75	35.25
14 pcs 2 ft casing left in hole 2174-2 at 19.37	271.18
Forward	9,198.50

Project 2174-036
5th Feb, 1981.
Kenneth

Setter ..... Engineer .....

To be made in Duplicate, one copy for Engineer and other to be sent to Office at end of Period.

BILLING REPORT

J5) 672-5233

GERARD GAUTHIER INC. trading as

BARRON DIAMOND DRILLING
HAILEYBURY, ONT. P0J 1K0

CONTRACT ....St. Joseph Explorations Limited, Box 350 Cobalt, Ont.....

Period from ..... to ..... 19.....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Total Footage.....

Remarks:	
Forward	9,198.50
~~Jan 29~~ Moving to 2174-5	~~400.00~~
~~Jan 29~~ 1 test = 3 feet at 11.75	~~35.25~~
~~Jan 30~~ Moving to 2174-6	~~400.00~~
17 pcs 2 ft casing left in 2174-5 at 19.37	329.29
60 NQ core trays at 4.25 per tray	255.00
Total Billing	10,618.04

Project #2174-C3b'
5th Feb. 1981

Ministère de l'Énergie et des Ressources
Gouvernement du Québec
Service du Potentiel minéral
DATE: 3 AOUT 1982
No G.M.: 38808

Setter ..... Engineer .....

To be made in Duplicate, one copy for Engineer and other to be sent to Office at end of Period.

Box 606
Tel. (705) 672-5233

BILLING REPORT

GERARD GAUTHIER INC. trading as

BARRON DIAMOND DRILLING

HAILEYBURY, ONT. P0J 1K0

CONTRACT ...St. Joseph Exploration Ltd., Box 250 Cobalt, Ont. ...Belleterre Job.

Period from ...Feb. 1 1981... to ...Feb. 15 1981... 19.....

Hole No. ...2174-6... From ...12... To ...325... Feet ...313' AQ...

Hole No. ...2174-7... From ...12... To ...327... Feet ...315...

Hole No. ...2174-8... From ...2... To ...489... Feet ...467...

Hole No. ... From ... To ... Feet ...

Hole No. ... From ... To ... Feet ...

Hole No. ... From ... To ... Feet ...

Hole No. ... From ... To ... Feet ...

Hole No. ... From ... To ... Feet ...

Total Footage 1095' AQ

Remarks:		
	1095 feet AQ drilling at 11.75 per foot	12,866.25
	Installing casing in overburden	
2174-6	From 0 feet to 12 feet = 12 feet at 12.00	144.00
2174-7	From 0 feet to 12 feet = 12 feet at 12.00	144.00
2174-8	From 0 feet to 22 feet = 22 feet at 12.00	264.00
Company Time.		
Feb. 3	Taking test= 3 feet at 11.75	35.25
	Moving over 1 mile. Man hrs 36 hours at 14.00	504.00
	Tractor rental 6 hours at 15.00	90.00
	Trucking. 2 hours at 12.00	24.00
	6 pcs 2 foot casing left in hole 6 at 19.37	116.22
Feb. 4	Continue long move. Man hrs 40 hrs at 14.00	560.00
	Tractor rental 9 hrs at 15.00	135.00
	Truck rental 2 hours at 12.00	24.00
Feb. 5	Finish moving. Man hours 20 hrs at 14.00	280.00
	Tractor rental 4 hours at 15.00	60.00
Feb. 5 P.M.	Taking test = 3 feet at 11.75	35.25

Setter ..... Engineer ..... Forward 15,281.97

To be made in Duplicate, one copy for Engineer and other to be sent to Office at end of Period.

x 606
el. (705) 672-5233

GERARD GAUTHIER INC. trading as

BARRON DIAMOND DRILLING
HAILEYBURY, ONT. P0J 1K0

BILLING REPORT

CONTRACT ....St. Joseph Exploration Ltd. Belleterre Job....

Period from ....Feb. 1.1981..... to .....Feb. 15.1981..... 19.....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

	Forward Total Footage.....	15,281.97
Remarks: Feb. 6	6 pcs 2 ft casing left in hole 7 at 19.37	116.22
	Taking tro pari test, moving. 28 hrs at 14.00	392.00
	Tractor rental 3 hours at 15.00	45.00
Feb. 9	Moving. Man hours 40 hrs at 14.00	560.00
	Tractor rental 8 hrs at 15.00	120.00
Feb. 10	Finished moving. Man hrs 40 hrs at 14.00	560.00
	Tractor rental 9 hrs at 15.00	135.00
Feb. 11	Moving 1 load. Man hrs 2 hrs at 14.00	28.00
	Tractor rental 1 hr at 15.00	15.00
	taking test = 3 feet at 11.75	35.25
Feb. 12	taking test = 3 feet at 11.75	35.25
Feb. 13	11 pcs 2 ft casing left in hole 8 at 19.37	213.07
Feb. 13	taking tro pari test = 2 hrs at 14.00	28.00
	Machine rental 1 hour at 14.00	14.00
	50 ft core trays at 4.25	212.50
	2/3/81. Project #2174-036	
	Total billing	17,791.26

Setter ..... Engineer .....

To be made in Duplicate, one copy for Engineer and other to be sent to Office at end of Period.

Box 606
Tel. (705) 672-5233

GERARD GAUTHIER INC. trading as

BARRON DIAMOND DRILLING

HAILEYBURY, ONT. P0J 1K0

BILLING REPORT

Belleterre Job

CONTRACT ..... St. Joseph Exploration Ltd., Box 350, Cobalt, Ont. .....

Period from ..... Feb. 16 1981 ..... to ..... Feb. 28 1981 ..... 19.....

Hole No.	2174-9	From	12	To	97	Feet	85
Hole No.	2174-10	From	12	To	127	Feet	115
Hole No.	2174-11	From	24	To	349	Feet	325
Hole No.	2174-12	From	18	To	164	Feet	146
Hole No.		From		To		Feet	
Hole No.		From		To		Feet	
Hole No.		From		To		Feet	
Hole No.		From		To		Feet	

Total Footage 671' AQ Core.

Remarks:	671 feet AQ drilling at 11.75 per foot	7,784.25
	Installing casing in overburden	
2174-9	From 0 feet to 12 feet = 12 feet at 12.00	144.00
2174-10	From 0 feet to 12 feet = 12 feet at 12.00	144.00
2174-11	From 0 feet to 24 feet = 24 feet at 12.00	288.00
2174-12	From 0 feet to 18 feet = 18 feet at 12.00	216.00
Feb. 16	Long move. Man hours 30 hrs at 14.00	420.00
	Tractor rental 9 hrs at 15.00	135.00
Feb. 17	Finish move. Man hours 40 hrs at 14.00	560.00
	Tractor rental 8 hrs at 15.00	120.00
Feb. 19	Taking test = 3 feet at 11.75	35.25
	6 pcs 2 ft casing left in holeat 19.37	116.22
	Move to 2174-10	400.00
	60 core trays at 4.25 per tray	255.00
Feb. 19	Taking test = 3 feet at 11.75	35.25
	5 pcs 2 ft casing left in hole at 19.37	96.85
	Forward	10,849.82 Corr. 10 749.82 K.L.

Setter ..... Engineer .....

To be made in Duplicate, one copy for Engineer and other to be sent to Office at end of Period.

/6
/05) 672-5233

GERARD GAUTHIER INC. trading as

BARRON DIAMOND DRILLING

HAILEYBURY, ONT. P0J 1K0

BILLING REPORT

ONTRACT ..... t. Joseph Exploration Ltd. .....

riod from ..... to ..... 19.....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Total Footage.....

Remarks:		
	~~Forward~~	~~10,849.82~~ 10,749.82 corr. K.Lai
~~Feb. 20~~	~~Long move. Man hours 32 hours at 14.00~~	~~448.00~~
	~~Tractor rental 6 hrs at 15.00~~	~~90.00~~
~~Feb. 23~~	~~Moving. Man hours 36 hrs at 14.00~~	~~504.00~~
	~~Tractor rental 10 hrs at 15.00~~	~~150.00~~
~~Feb. 24~~	~~Moving. Man hours 36 hrs at 14.00~~	~~504.00~~
~~Feb. 25~~	~~Finished moving. Man hrs 24 hrs at 14.00~~	~~336.00~~
	~~Tractor rental 1 hr at 15.00~~	~~15.00~~
~~Feb. 26~~	~~taking test = 3 feet at 11.75~~	~~35.25~~
~~Feb. 26~~	~~Taking tropari test. Man hrs 2 hrs at 14.00~~	~~28.00~~
	~~12 pcs 2 ft casing 1 ft in hole at 19.37~~	~~232.44~~
~~Feb. 27~~	~~Move to 2174-12~~	~~400.00~~
	~~Total Billing~~ $	~~13,592.51~~ corr. Lai 13,492.51
	11/3/81	
	Project # 2174 - C36	

Setter ..... Engineer .....

To be made in Duplicate, one copy for Engineer and other to be sent to Office at end of Period.

Box 606
Tel. (705) 672-5233

BILLING REPORT

GERARD GAUTHIER INC. trading as
BARRON DIAMOND DRILLING
HAILEYBURY, ONT. P0J 1K0

Bellecterre Job.

CONTRACT .....St.Joseph Exploration Ltd., Box 350, Cobalt, Ont.....

Period from .....March 1 1981..... to .....March 15 1981..... 19.....

Hole No. ~~AW~~ KL-12 From ~~161~~ To ~~282~~ Feet ~~121~~

Hole No. 13 From ~~12~~ To ~~506~~ Feet ~~494~~

Hole No. 14 From ~~12~~ To ~~504~~ Feet ~~492~~

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Hole No. ..... From..... To ..... Feet .....

Total Footage...1104.....

	Remarks:	
	~~1104 feet K drilling at 11.75 per foot~~	~~12,972.00~~
	~~Installing casing in overburden~~	
	~~From 0 feet to 14 feet = 12 feet at 12.00~~	~~144.00~~
14	~~From 0 feet to 12 feet = 12 feet at 12.00~~	~~144.00~~
March 1	~~taking test = 3 feet at 11.75~~	~~35.25~~
	~~9 lengths 2 ft casing left in hole 12 at 19.37~~	~~174.33~~
Mar 2	~~Long move. Men hrs 37 hrs at 14.00~~	~~518.00~~
	~~Tract r rental 8 hours at 15.00~~	~~120.00~~
Mar 3	~~Moving. Men hours 44 hours at 14.00~~	~~616.00~~
	~~Tractor rental 7 hrs at 15.00~~	~~105.00~~
	~~Truck rental 2 hrs at 12.00~~	~~24.00~~
Mar 4	~~Finished moving. Men hrs 20 hrs at 14.00~~	~~280.00~~
	~~Tractor rental 5 hrs at 15.00~~	~~75.00~~
Mar 5	~~t test = 3 feet at 11.75~~	~~35.25~~
Mar 6	~~6 pcs 2 ft casing left in hole at 19.37~~	~~116.22~~
	~~taking tropori test = 4 hrs at 14.00~~	~~56.00~~
	Forward	15,415.05

Setter ..... Engineer .....

To be made in Duplicate, one copy for Engineer and other to be sent to Office at end of Period.

ox 606
Tel. (705) 672-5233

GERARD GAUTHIER INC. trading as

BARRON DIAMOND DRILLING

HAILEYBURY, ONT. P0J 1K0

BILLING REPORT

CONTRACT ..... St. Joseph Exploration Ltd., Box 350, Cobalt, Ont. .....

Period from ..... March 1 1981 ..... to ..... March 15 1981 ..... 19.....

Hole No. ..... From ..... To ..... Feet .....

Hole No. ..... From ..... To ..... Feet .....

Hole No. ..... From ..... To ..... Feet .....

Hole No. ..... From ..... To ..... Feet .....

Hole No. ..... From ..... To ..... Feet .....

Hole No. ..... From ..... To ..... Feet .....

Hole No. ..... From ..... To ..... Feet .....

Hole No. ..... From ..... To ..... Feet .....

Total Footage.....

Remarks:		
	Forward	15,415.05
Mar 9	Caching rental 2 hrs at 14.00	28.00
Mar 10	Loving over 500 ft. Men hrs 40 hrs at 14.00	560.00
	Tractor rental 8 hrs at 15.00	120.00
Mar 12	taking test = 3 ft at 11.75	35.25
Mar 12	taking test = 3 ft at 11.75	35.25
Mar 13	Loving over 3 miles. Men hrs 24 hrs at 14.00	336.00
	Tractor rental 4 hrs at 15.00	60.00
	20 core trays at 4.25	85.00
	100 sluge containers at 4.75	4.75
	Total Billing	16,675.30
	20th March, 1981	
	Project # 2074-036	16,193.55
	2181-036	485.75

Setter ..... Engineer .....

To be made in Duplicate, one copy for Engineer and other to be sent to Office at end of Period.

SOQUEM MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-11

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED	CORRECTED DIP TESTS				LOCATI
Belleterre Village	Guillet Twp.	345°	Feb. 24, 1981					
PROJECT	LOT & CONC.	DIP	DATE COMPLETED	collar	-40°			
2174-036	Range VIII	-40°	Feb. 27, 1981					
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY	61.0	-37°			
287427-2	12+25E; 18+40S	106.4 (349')	Barrow Diamond Dr.					
GRID NO.		COLLAR ELEV.	LOGGED BY					
1980-075 El			Konny Lai					

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
			OBJECTIVES:- To test the possible faulted extension of Village Vein				
00	7.31		Casings				
7.31	19.0		Pillowed Basalt flows Dark green, f.g. Chloritized pillowed flow				
			Structure: Pillow salvage edges bands at 55°				
			Alterations: ~~pervasive chloritization~~ weak carbonatization				
			Veins & Mineralizations 9.25 to 9.40 q. carbonate vein ~55°, i/c mafic constituents sparse sulfide mineralizations				
			13.15 to 13.18 q. veinlet, ~50°, sparse Py mineralizations				
			Remark: 13.6 to 13.75 diroite lamp dyke				
			Sondage entrepris dans le cours des Travaux Partie				

SULPETRO MINERALS LIMITED

DRILL LOG

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
19.0	60		mfg to fg mafic volcanic flows				
			The upper 2 m tend to be dominated by mfg materials				
			Alterations: Very weakly carbonatized silicified found at 20.7 to 20.95 carbonatized zone at 43.15 to 59.5				
			Veins: q-c veinlet 43.3 to 43.34 47.65 to 48.05 q.v.s. 45° sh 1% Py				
			Remark: Lamp dyke amphibite cb-s 26.43 to 28.25 29.7 to 30.2 34.5 to 35.2 40.8 to 42.8 Biot. Lamp dyke 52.0 to 52.5 possibly another band of amp pillow lava flour at 59.5 to 60.0				
60	72		mg to mfg mafic flows see previous descriptions Structure: bandings at 60°				

SULPETRO MINERALS LIMITED

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
			Mineralizations: 70.9 to 70.98 Py bands				
72	80.1		F.g. Mafic Volcanics See above no strong vein encountered in this unit.				
			Remark: 73.1 to 79.73 cq biot. Lamp dyke				
80.1	81.25		F.g. silicified Tuff F.g. Greyish silicified Tuff Structure : Bedding at 50°				
81.25	95.6		Brecciated Carbonatized f.g. mafic flows fragments are between 2mm to 8mm in size 91.1 to 91.6 } massive f.g. unit 92.4 to 92.5				
95.6	99.90		C.g. Biot. Lamprophyre dyke				
99.90	106.4		M.g. spotted Gabbro See previous description Massive weakly ch-w				

METRES FROM	METRES TO	SECTION	DESCRIPTION
			q. veinlet at 102.65
			Remark: c.q. lamp dyke at 103 to 105
106.4			End of Hole

SAMPLE NO.	FROM	TO	LENGTH	Au (g/
	6.10	9.14	3.04	Tr
	9.14	12.19	3.05	Tr
	12.19	15.24	3.05	Tr
	15.24	18.29	3.05	Tr
	18.29	21.34	3.05	Tr
	21.34	24.38	3.05	Tr
	24.38	27.43	3.05	Tr
	27.43	30.48	3.05	Tr
	30.48	33.53	3.05	Tr
	33.53	36.58	3.05	Tr
	36.58	39.62	3.05	Tr
	39.62	42.67	3.05	Tr
	42.67	45.72	3.05	Tr
	45.72	48.77	3.05	0.1
	48.77	51.82	3.05	0.1
	51.32	54.86	3.05	0.1
	54.86	57.91	3.05	Tr
	57.91	60.96	3.05	0.1
	60.96	64.01	3.05	Tr

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-11 — SHEET 5

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) Sludge ASSAYS
					64.01	67.06	3.05	0.17
					67.06	70.10	3.05	Tr
					70.10	73.15	3.05	Tr
					73.15	76.20	3.05	Tr
					76.20	79.25	3.05	0.17
					79.25	82.30	3.05	Tr
					82.30	85.34	3.05	Tr
					85.34	91.44	6.10	Tr
					91.44	97.54	6.10	0.17
					97.54	103.63	6.10	Tr

Samples
Logged
Sulpetro Minerals
April 82

DRILL LOG HOLE NO. 2174-8

PROPERTY: Belleterre Village	TP OR AREA: Guillet Twp.	AZIMUTH: 165°	DATE STARTED: Feb. 11, 1981	LOCATION S
PROJECT: 2174-036	LOT & CONC.: Range IX	DIP: -40.5	DATE COMPLETED: Feb. 13, 1981	
CLAIM NO: 369755-1	CO-ORDINATES: 7450E; 10+10S	LENGTH: 149.4	DRILLED BY: Barron Diamond Drilling	
GRID NO: 1980-075 BL		COLLAR ELEV.	LOGGED BY: Konny Lai	

CORRECTED DIP TESTS

collar	-40	5	
		137.2	-29°
121.9	-29.5		

METRES FROM	METRES TO	SECTION
00	6.7	
6.7	11.4	

DESCRIPTION

OBJECTIVES:- To test the Mud Lake Shear

Casings

Talc Chlorite Schist

The rock is dark green in colored interwoven with numerous ivory colored talc bands It is very soft and corks are broken in many places. Pyrite found in the unit are usually subrounded to sub angular

Structure: Schistosity at 25° to 40
Broken Core at 7.6 to 7.8
8.6 to 9.0

Alterations: Chlorite & Talc Alterations weak to moderate carbonatizations

Veins and Mineralizations

No vein system encountered in this unit.
Mineralization is limited to sparse mg Py

SAMPLE NO	FROM	TO	LENGTH

Sondage entrepris dans le cœur des Travaux Partie à Rouyn

vérifier

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-8

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
11.1	30.5		mg, Muscovite -Biotite Lamprophyre dyke Chilled contact with talc chlorite schist indicate this unit is alate mafic intrusive Muscovite, can be found close to the upper ct. lower portion of the unit is dominant by biotite. The unit is weakly to moderately carbonatized. Structure: Upper Ct. is at 18° Mineralization: Sparsely mineralized with Py Remark: strongly carbonatized area can be found as 15.0 to 18.0 18.4 to 18.7 28.25 to 28.35 28.80 to 29.40				
30.5	48.9		Tuffaceons sediments with thin interbedded fine sand to silt size sediments and mfg mafic volcanics Cherty sediments are gryish white in color and are usually very fine grained. They are well banded and has been slightly sericitezed. Fine sand sized area it can be found at 31.45 to 32.0 Structure: bedding at 40 to 45°				

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-9

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t
			Alterations: sericitization can be found in the Tuff beds. Silicification is very common		31.0	32.0		31.0 to 3 split ex
			Veins and Mineralization					
			38.0 to 38.75 well mineralized with 3% Py 1% Cp and Sph 0.5% Veining are intercalated within the silicified					
			ser. bands 40.8 q.v. 5 cm 10° or less, Tr Cp i/c mafics	3907	40	41.0	1.0	Tr
			40.9 q.v. 5 cm 40°	3908	41.0	41.55	0.55	0.17
			Remark: Biot. Lamp dyke at 31.75 to 31.85					
			31.9 to 32.00	3904	44.0	45.0	1.0	Tr
			32.16 to 33.12					
			42.10 to 43.90	3905	45.0	46.0	1.0	Tr
			Thin cb-mfg mafic volcanic at 33.25 to 34.10 highly	3906	46.0	47.0	1.0	Tr
			carbonatized in places carry 3% Py 1.5% Cp					
			41.0 to 42.10					
43.9	50.5		Feldspar Porphyry					
			mg feldspar in a carbonatized slightly chloritized matrix.					
			Very leucocratic only carry 5 to 10% mafic can sediments					
			in the non chloritized portion. The upper segment					
			of the porphyry is highly altered, bleached and					
			feldspar uner went alteration to give it a beige					
			color. The unit invariably carry 1 to 2% Py, Tr Cp					
			It gives the impression of an arkosite texture in					
			sediment					

DRILL LOG HOLE NO. 2174-8

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
50.9	51.5		Brecciated mg mafic flows				
			well developed mg. at the upper ct Brecciation at 51.1 to 51.3				
51.5	70.45		Pyroclastic Ash fall Tuff with thin interbedded mafic flows				
			Coarse ash size less commonly apillie size lithic fragment with blue qz eye size the matrix				
			mfg to fg mafic flows at 54.5 to 55.47				
			56.5 to 57.75				
			67.0 to 68.0, slip plane is ^10° (w/pyroclastic)				
			Strucutre: bedding at 40 to 45°				
			Weakly schistosity at 45°				
			Alteration: Weak to moderate Carbonate alterations				
			Silicification is strong within cherty beds.				
			~~Remark: biot lamp dyke at 62.0~~				
			~~Top facing direction ^south~~				
70.45	89.6		Mafic Tuff				
			~~Another phase of pyroclastic ash fall?? Fragments are usually subhedral feldspar less than 3 mm size ie. coarse ash to apill. size~~				

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-8

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO	FROM	TO	LENGTH	Au (g
			Mineralization, Veins: 77.8 to 77.98 q. veinlet blebs of Per at					
			78.55 to 78.75 brecciated q.v. ^50° altered fld product	7000	79.0	80.0	1.0	Tr
			Act in dite in q.v. 1% Po at 80.5 to 80.7 in host rock	3901	81.0	82.0	1.0	C.
			81.1 to 81.84 q.v.s. ^25° white glassy 20% Qz fld alt^n Cp, Po, Py i/c mafics	3902	82.0	83.0	1.0	Tr
			81.86 to 82.57 c-qv ^15°, 2 generations cb-s					
			84.0 to 84.06 q. veinlet ^35°, Tr Py Po	3903	83.75	84.25	0.5	Tr
			Remark: biot. lamp dyke at 73.9 to 74.25					
			f. sand size Arenite at 87.0 to 88.2					
			silicification in the mafics tuff becomes quite intense from 86.25 to 89.6					
89.6	149.4		Talc Chlorite Schist					
			See Above					
			Structure: Schistosity at45°					
			Remark: Lamp dyke at 89.7 to 91.2					
			1 m core loss					
149.4			End of hole					

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2124-8 — SHEET

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	SLUDGES ASSAYS Au (g/t)
					6.71	9.14	2.43	Tr
					9.14	12.19	3.05	Tr
					12.19	15.24	3.05	Tr
					15.24	18.29	3.05	Tr
					18.29	12.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	Tr
					27.43	30.48	3.05	Tr
					30.48	33.53	3.05	Tr
					33.53	36.58	3.05	Tr
					36.58	39.62	3.05	Tr
					39.62	42.67	3.05	0.17
					42.67	45.72	3.05	0.17
					45.72	48.77	3.05	Tr
					48.77	51.82	3.05	Tr
					51.82	54.86	3.05	0.17
					54.86	57.91	3.05	Tr
					57.91	60.96	3.05	0.17
					60.96	64.01	3.05	Tr
					64.01	67.06	3.05	Tr
					67.06	70.10	3.05	Tr

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. _____

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) Sledges ASSAYS
				70.10	73.15	3.05		Tr
				73.15	76.20	3.05		0.07
				76.20	79.25	3.05		Tr
				79.25	82.30	3.05		Tr
				82.30	85.34	3.05		Tr
				85.34	88.39	3.05		0.12
				88.39	91.44	3.05		Tr
				91.44	94.49	3.05		Tr
				94.49	97.54	3.05		Tr
				97.54	100.58	3.05		Tr
				100.58	03.63	3.05		Tr
				103.63	106.68	3.05		Tr
				106.68	109.73	3.05		Tr
				109.73	112.78	3.05		Tr
				112.78	115.82	3.05		Tr
				115.82	118.87	3.05		Tr
				118.87	121.92	3.05		Tr
				121.92	124.97	3.05		Tr
				124.97	128.02	3.05		Tr
				128.02	131.06	3.05		Tr
				131.06	134.11	3.05		Tr

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. 2174-8

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Sludge Au ASSAYS (g/t)
				134.11	137.16	3.05		Tr
				137.16	140.21	3.05		Tr
				140.21	143.26	3.05		Tr
				143.26	146.30	3.05		Tr
				146.30	149.65	3.05		Tr

ST JOSEPH EXPLORATIONS LIMITED — DRILL LOG — HOLE NO. 2174 - 1

PROPERTY: Belleterre Village	TP OR AREA: Guillet Twp.	AZIMUTH: 345°	DATE STARTED: 22nd January, 1981	CORRECTED DIP TESTS: Collar -44.5°
PROJECT: 2174 - 036	LOT & CONC.: Range VIII	DIP: -45°	DATE COMPLETED: 23rd January, 1981	37.8 -41°
CLAIM NO: 387427-2	CO-ORDINATES: 12+60E; 16+04S	LENGTH: 37.8 m.	DRILLED BY: Barron Diamond Dr.	
GRID NO: 1980 - 075° B.L.		COLLAR ELEV.	LOGGED BY: Konny Lai	

LOCATION SKETCH OF H...

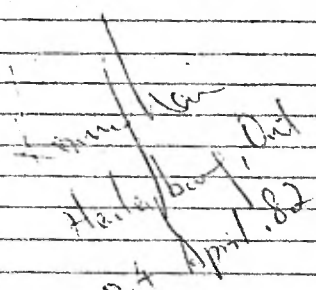
METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS: Down Hole Depth	Co-ord X (345°)	Y (ver)	Z
			OBJECTIVES:- To test the eastern section of the Village Vein.								
0	6.7		Casing					Collar	0	0	
								18.9	13.48	13.25	
6.7	26.37		Fine Grained Porphyritic Flows					37.8	27.74	25.65	
			Light to medium dark green colored mafic volcanic flows. Traces of Py, Cp can occasionally be found.						Au (g/t)		
			Structure: Semi-massive, slightly sheared here and there.	6960	9.8	10.3	0.5		trace		
			Alterations: Moderate to strong carbonate alterations. Numerous calcite veinlets pitching in all directions. 50° predominantly.	6963	10.3	11.3	1.0		trace		
				6964	11.3	12.00	0.7		trace		
			Vein: 11.45 m., Q. veinlet, 1.5 cm., cb-M, white quartz, Tr dissem. Py.	6961	13.0	13.5	0.5		trace		
			13 to 13.50 m, Py stringers, occur along the schiotosed cleavage. i/c dol.	6965	13.5	14.5	1.0		trace		
			15.55 to 51.88, Q. stringers and veinlets occur randomly here and there.	6962	15.55	16.55	1.0		trace		
			15.88, q. veinlet, 0.5 cm.								
			15.98, q. vein, 20 cm., smoky white variety, cb-S, diss. Py, upper Ct, 60°, lower Ct 75°, w/Lamp dyke.								
			19 m, q. veinlets 0.5 cm.								
			26.5, calcite veinlets dip 60°.								

Sondage [illegible] dans le cours des [illegible] [illegible]

ST JOSEPH EXPLORATIONS LIMITED — DRILL LOG — HOLE NO. [illegible]

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAY
			28.72, q. veinlet, 0.8 cm., 30°, in sheared volcanics (Village Vein??), Tr Cp, Py adjacent to the veinlet in wall rocks.					
			30.0, 2 q. veinlets, 1 cm and 0.5 cm. resp. at 60°, Tr Py.					
			30.27, q. vein, 4.5 cm., 70°, bluish variety Py and Mt.					
			33.45, calcite veinlet, w/Ep.					
			33.70, Epidote bands.					
			Mineralization: Trace Py, Cp can be found here and there. 0.25 to 0.5 % Po in the porphyritic flows. Diss. Py, Tr Cp on slip planes. A few deformed calcite crystals in the f.g. porphyritic flows. 13.5 m. Blebs of Py concentrated near the lower contact with felsic dyke.					
			Remarks: Biotite Lamprophyre Dyke at: 9.77 to 10.08 m.g., cb-s, lower ct. 45°, upper ct. 85°.					
			10.23 to 10.38 upper & lower ct at 40°.					
			13.5 to 14.27 intermediate to felsic dyke i/c mafic constituents probably the more felsic. Variety of Lamp. dyke Cb-S, biot, very hard. Presumably related to the thick hard Lamp. dyke to the south of Village Vein.					
			14.45 to 15.55 upper ct. 70°, lower ct. 65°.					
			16.18 to 16.35 Tr Py, cb-s.					
			20.9 to 21.38 m.g. Cb-S, Py cubes.					
			21.85 to 26.37 M - c.g., felsic variety, 2% sulfide.					

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
			26.37 to 28.7, massive non-porphyritic mafic flows.				
			Metadiabase dyke at: 32.6, 3 cm. f.g., mt.				
			32.76 to 32.93, upper ct. 65°, lower ct 30°, Mt, f.g.				
			14.27 to 14.45 sheared mafic flows, cb-S, 1% sulfide.				
			15.55 to 16.18 mafic flows are slightly sheared.				
			16.35 to 20.9 slightly sheared mafic volcanics Cb-S.				
26.37	33.5		Non-Porphyritic Fine Grained Mafic Flows Equivalent to 'Andesite' in the field.				
33.50	37.8		Medium - Coarse Grained Mafic Volcanic Flows The flow has a gradational contact with the fine grain flows. Py cubes and Mt. Thin brownish dol. veinlet and numerous epidote bands are found in this unit.				
			36.14 m, dol veinlet, very thin, 35°.				
37.8			END OF HOLE				



ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 1

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO	FROM	TO	LENGTH	SLUDGES ASSAYS Au (g/t)
					6.71			
						9.14		trace
						12.19		trace
						15.24		trace
						18.29		trace
						21.34		trace
						24.38		trace
						27.43		trace
						30.48		trace
						33.53		trace
						37.5		

DRILL LOG HOLE NO. 2174-2

SHEET

PROPERTY: Belleterre Village	TP OR AREA: Guillet Twp	AZIMUTH: 345°	DATE STARTED: 23 January, 1981	CORRECTED DIP TESTS: collar -44.5
PROJECT: 2174-036	LOT & CONC.: Range VIII	DIP: -44.5°	DATE COMPLETED: 27, January, 1981	34.3 -39.0
CLAIM NO.: 387427-2	CO-ORDINATES: 12+70E; 16+02.35	LENGTH: 34.3	DRILLED BY: Barron Diamond Dr.	
GRID NO: 1980-075° B.L.		COLLAR ELEV.	LOGGED BY: Konny Iai	

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:- To test the Village Vein at about 4.0 m. West of the high grade section
			Casings
0	4.88		Fine Grained Light green colored Carbonitized Massive Mafic Flows
4.88			The rock is porphyritic in places. The unit is what is known as 'Andesite' in the field.
			Structure: Minor broken core at 7.7m
			Alterations: Weak to moderarte carbonate alteration is very consistent throughout the flow
			Veins: 5.25 to 5.35 q.c. stringers, ~45° Tr Py
			7.12m - q.c. stringers 2.0 cm
			7.63m - q.c. stringers 0.5 cm
			7.94 - q. carbonate veinlets, 0.2 cm ~65°
			8.41 q.c. veinlet, 0.2 cm 65°
			9.71 series of carbonate stringers, shallow angle
			10.2 q. veinlet + fld alteration Product 67 cm, cb-s, i/c mafics
			11.1 q-c stringer i/c mafics 6.4 cm
			11.3 q-c stringer 7 cm
			Sondage entrepris dans la cour des Travaux Publics

SAMPLE NO	FROM	TO	LENGTH	ASSAYS Au (g/t)
				Carbonate Veinlets occur in random fashion a pitch in all directions
6966	5.00	5.70	0.7	trace
6967	9.5	10.5	1.0	trace

Depths	Down Hole (345°)	y (Ver)	Coor Z
collar 0	0		0
17.15	12.23	12.02	0
34.3	25.56	22.31	0

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-2

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t)
10.21	10.88		Q. Vein, Ch-s Fld. Alteration product prop. to massive i/c mafics					
11.1	11.14		11.1-11.14 (0.04) QZ carb stringer i/c mafic					
11.30	11.37		(0.07m) Qz carbonate stringer					
11.70			slightly sh mafic ch-s					
12.1	12.53		m-g biot (amp dyke)					
			cb-s Tr Py					
12.8	13.38		Qz stringers rich, carbonatized f.g. mafic flows					
			veins 12.93, 2-3 mm Qz - cb veinlets					
			12.29, 45° 5-6m Qz = cb veinlet					
			Qz rich when approaching Upper assays dyke ct					
13.38	14.30		m-g biot. lamp dyke					
14.30	16.9		Qz stringer Rich, Carbonitized fg mafic flow	6968	14.3	14.8	0.5	Trace
			14.28 3 mm	6969	16.5	17.0	0.5	Trace
			14.35 1mm					
			14.45 4cm					
			14.56-14.60					
16.9	17.1		Mafic dyke check variety when light is sufficient					
			medium fine grain layers phy					
			½% Py cb-s, grey green upper ct, 68°; lower ct 70°					

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-2

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	
17.10	17.81		Slightly sheared mafic flows upper 20 cm segment carry ~1½% sulfide 4 Q. veinlet at 17.12 2mm 55-60° slightly deformed cb-s ~~at 17.21 2mm ~70°~~ Q veinlet at 17.27 up to 1 cm thick 55° cb-s Q veinlet at 17.49 3 mm ~60°, db-s					
17.81	19.32		m-cg biot. lamp Dyke w/porp. Cc in places enherdral Py found around 18.5 m blobs of Py can be found here & there					
~~19.32~~	~~19.5~~		~~Sheared Volcanics~~					
19.38	19.40		2 cm QZ vein Tr py, Cp white glassy Qz	6970	19.25	19.75	0.5	Trace
19.5			19.47 a tiny Qz veinlet 3mm ^60° slightly sheared mafics					
			Qz vein 20.17 3 mm ~60°	6971	19.75	20.25	0.5	Trace
			20.24 2 mm ~70°					
			21.00 Qz stringer at slip plane Tr Cp	6972	20.72	21.25	0.5	Trace
			Slipplane ~80°					

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-2

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	
	27		~~at 20.63m Qz-cb stringer 1cm Tr Py, Po~~ ~~at 23.62 Q. Veinlet 8mm 50°, cb-s~~					
			at 23.90 Q. Veinlet 5mm 45°, cb-s splashes of carbonate at 24.40 to 24.50	6973	23.5	24.0	0.5	Tr
			25.15 q. stringers of Ep + Cb (2cm) Diss Py x'ls observed thin soft brown bronze color smear of mineral on slip plane at 24.75 content be IC ~~25.62 Q. veinlet 1mm C 45°~~ ~~27.0 cb- splashes at 27m~~	6974	25.0	25.5	0.5	0.171
28.23	28.27		Sheared Porp. Mafic flow 4 cm Q.V smoky white Qz i/c mafics ^60° Diss Py + mt 2%					
28.93	29.95		2 cm Q.V. blobs of Py Fld, 2nd or 3rd generation QZ vein					
29.8	30		½% Py some enhedral y'l					
30.6			some gougeing?					

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-2

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	
30.76	38.78		2 cm siliceous cb vein at 75°					
			Ep occur quite frequently around all siliceous cb veinlet					
			31.5 q mm siliceous cb splashes 70°					
			31.6 6mm siliceous cb + cp. 60°	6975	28	28.25	0.5	0.51
			31.77 4 mm siliceous cb +cp ~45°					
			32.13 silliceous cb 3 mm					
			32.27 siliceous cb + ap 3mm					
			32.39 siliceous					
			32.84 to 32.86 fine gr. meta diskase ~50° mt					
			33.08 - 33.14 numerous ep stringers					
			33.15 to 33.38 meta diekase mt					
			34.04 cb-ep ladder Vein					
			34.14 cb Qz veinlet 1cm ~30°					
			little to No vien					
			34.3					
			34.15 cb ~ Ep siliceous stringer					

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 2

SHEET 6

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (gm/t) Sludges ASSAYS	
					4.9				
								trace	
						9.1			
								trace	
						12.2			
						15.2		trace	
						18.3		.34	
						21.3		trace	
						24.4		trace	
						27.4		0.17	
						30.5		0.17	
						33.5		0.17	

DRILL LOG HOLE NO. 2174-5

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED	CORRECTED DIP TESTS				LOCAT
Belleterre Village	Guillet	345°	Jan. 29, 1981					
PROJECT	LOT & CONC.	DIP	DATE COMPLETED	collar	-57			
2174-036	Range VIII	-57°	Jun. 30, 1981	63.1	-55			
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY					
387427-2	12+74E; 16+13.1S	63.10	Barron Drilling Ltd					
GRID NO.		COLLAR ELEV.	LOGGED BY					
1980-075° BL			Konny Lai					

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	
			OBJECTIVES:-					
0	10.36		Casing					
10.36	12.06		'1' Biot Lamp dyke m-cg					
			'2' M-g mafic flows (porp) in places gradually grade into F-g mafic flows cb-s					
			Vein at 15.06 m C-Q veinlet ~70° Tr Py 1 cm	6986	14.75	15.25	0.5	Tr
			Vein at 16.06 m bluish ~30° 1.5 cm	6987	17.75	18.25	0.5	Tr
			Vein at 18.80 m glassy ~45° 1 cm	6988	18.55	19.05	0.5	Tr
21.1	22.77		M-fg biot-Lamp dyke check variety + po-mag					
22.77	30.27		Cc porp mafic flows					
			Cc + siliceous vein at 28.71 Tr Py + po mag	6989	28.5	29.0	0.5	Tr
29.63	30.27		Lamp dyke					
30.27	30.47		slightly sheared mafic flows + numerous Cc stringers + veinlets					
30.47	32.11		Lamp dyke					
32.11	32.74		Cc rich mafic flows					
			Sondage entreposé dans la cour des Travaux Publics					

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. 2174-5

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	
32.74	32.84		Lamp dyke					
33.1	33.57		Lamp dyke againe					
			Q-C vein at 34.56 m ~45° Tr Py	6990	34.25	34.75	0.5m	Tr
			at 44.82 Q V in shear Zone 7 cm ~40° Tr Cp	6991	44.5	45.5	1.0m	Tr
			QV at 48.5 m	6992	48.25	48.75	0.5m	Tr
42.6	43.95		Lamp dyke					
46.48	47.12		Lamp dyke					
50.25	51.08		Lamp dyke					
51.08	54.12		Mg mafic flows					
54.12	55.04		'Diabase' f.g. mafic dyke mag					
55.04	55.43		Lamp dyke					
57.53	59.6		Meta sediments or Felsic dyke Light grey color f. sand size with angular elastic fragments suggesting (from grading) Top is to the south	6993	57.5	58.0	0.5	Tr
				6994	58.0	59.0	1.0	Tr
			58.57 Q.V 3 cm ~45°					
			60.85 to 61.25, bluish q. stringers Tr Cp, Py 62.0					

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. 2174-5

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t)	SLUDGES ASSAYS
					10.34	15.24	4.88	Tr	
					15.24	18.29	3.05	Tr	
					18.29	21.34	3.05	Tr	
					21.34	24.38	3.05	Tr	
					24.38	27.43	3.05	Tr	
					27.43	30.48	3.05	Tr	
					30.48	33.53	3.05	0.51	
					33.53	36.58	3.05	Tr	
					36.58	39.62	3.05	Tr	
					39.62	42.67	3.05	Tr	
					42.67	45.72	3.05	0.17	
					45.72	48.77	3.05	Tr	
					48.77	51.82	3.05	Tr	
					51.82	54.86	3.05	Tr	
					54.86	57.91	3.05	0.34	
					57.91	62.48	4.57	Tr	

Geologist
Sulpetro Min...
April '83

DRILL LOG HOLE NO. 2174-6

PROPERTY: Belleterre Village	TP OR AREA: Guillet	AZIMUTH: 343° True	DATE STARTED: 5/2/81	CORRECTED DIP TESTS: collar -45°
PROJECT: 2174-036	LOT & CONC.: Range VIII	DIP: -45°	DATE COMPLETED: 6/2/81	61.0 -43°
CLAIM NO.: 387427-3	CO-ORDINATES: 12+0.15E/16+62S	LENGTH: 99.1m	DRILLED BY: Barron Diamond Dr.	
GRID NO: 1980-075° 136		COLLAR ELEV.	LOGGED BY: Konny Lai	

LOCAT

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
			OBJECTIVES:-				
0	3.66		Casings				
3.66	3.72		Remanent of Felsic Q. Porp (Carb X-tuff?) Very siliceous, more mafic than the surface - equivalen				
3.72	5.28		Fg biot lamp dyke 'Quite' felsic variety upper ct = ~60° lower ct + ~75° tiny Q. veinlet ~75° Tr Py Cp	6995	3.75	4.75	1.0
5.28	7.04		Fg semi veins mafic flows Tr Py at 6.5m Thin shear slip at 6.5m 4mm Cc Vein w/Py Tr Cp	6996	6.25	6.75	0.5
7.04	8.15		Porp Fg mafic Tuff + Q eyes very distinctive at 7.1m Q.V 2 cm 75°, bull QZ white glassy				
8.15	8.80		Interlayered Siliceous Tuff Sediment chert band i/c w/ hemispelagic sediment at the beginning of the unit at 30° 6 to 7 cm very siliceous lower ct a ~60°				

Sondage entreprise dans la
Cour de Bracant pour la

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. [illegible]

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
8.8	16.55		Fg massive mafic Volcanic flows				
			Ep in QC stringers				
			at 9.52m at 20°				
			9.68m at 20° & 65°				
			some enhedral Py cubes				
			numerous Cc stringers + streaks				
			~~12.05m Q-C stringers 55°, 1cm nominal~~				
			16.55 small cluster of Cp				
16.55	28.4		M-Cg Amp Mafic intrusive				
			Quite a sharp contct very well carbonitzed				
			17.40 m blocky glassy white Q.V (1.5cm)				
			no mineralization ^18°				
			~~17.85 a few epidote veinings~~				
			~~19.47 blocky angular broken core~~				
			23.00 Tiny Q. veinlet + Ezp + Cc (5mm) no min ~75°				
			23.1 Q.V. Vein 2 cm ~60°				
			~~white glassy Q.V. i/e mafic that Carry Tr Py + Ep~~				
			~~(4.5 cm) cb-n 75°~~				

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-6

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
			26.1 Q. veinlet + reddish mineral (hm) ∠75° (1cm)				
			26.4 6 cm sequent of heavy Tcp alteration + Cp & Py				
28.4	30.55		Biot. lamp dyke, severly altered late lamp dyke filled fault bull QV abundant at 28.4 glossy black in places ^40° 7 cm + Tl? no sulfido min^{n}				
			at 30.15 m lamp dyke severely altered chl, Ep + prol. vein?? certain section near 36				
			at 30.43 pulverized lamp dyke				
			30.45 QV broken up black in places Tl				
30.55	49.48		M-g massive mafic volcanic flows cb-m-s				
			s. come fine gran section but another tend to lump them together since possibly belong to the same unit uneventful, aiot of Ep Cc severe alteration				

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-6

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	
			at 42.26 Q.V. (3.5 cm ~40°) specks of Cp i/c mafics not much though					
			43.45 Q veinlets folled slip ~25° (5mm) arounds	6997	43.25	43.75	0.5	Tr
			at 43.60 C-minor silicide veinlets 4 mm 25° Tr Cp, Py					
49.48	55.4		F-g massive mafics volcanics					
			gradational contact narrow zone only					
			51.6 biot. lamp dyke 21 cm cb-m Tr Cp in Q. V. at					
			bottom of dyke & 6 an, ~60° narrow mafic dyke at 7 cm,	~75° some				
			sulfide min^n 1½% cb-m-s	6998	51.5	52.0	0.5	Tr
			52.18 narrow sulfic dyke cb-m-s but not much sulfide 3 cm					
			52.98 lamp dyke 32 cm ~70° Fg biot variety					
			54.3 chloritized shear zone Tr Cp & Tr py in Q-C stringers cb-m-s					
			Remark: 0.5% mt and carbonitization is very common.					

SULPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-6

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
55.1	56.8		Porphyritic mafic flows				
56.8	57.15		Biot. Lamp dyke CA @ 45°				
57.15	82.3		cb-fq mafic flows Contain up to 1% Py and 1% mt Vains 58.15 to 58.25 q.v. 65° irregular ct good looking vein 1% Cp 59.45 to 59.65 q.v.s. Remark: 58.35 to 59.15 lamp dyke 60.3 to 61.8 lamp dyke 63.3 to 66.0 Biot. lamp dyke, contain pebble of cherty tuff, granodiorite, and sulfide up to 1% Py, Cp locally 67.6 to 68.1 Lamp dyke				

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. 2174-6

METRES FROM	METRES TO	SECTION	DESCRIPTION
			~~Remark: Continue~~
			71.8 to 71.82 Diabase dyke, 50°
			72.05 to 73.85 " "
			75.75 to 75.76 Lamp Dyke
			~~78.2 to 79.0 " "~~
			~~79.8 to 82.8 " "~~
82.8	99.1		Mg leuco mafic flow
			Veins: 55° milky white qz 85.9 to 86.05
			~~86.75 to 86.8 q.v. milky i/c smoky Tr Cp~~
			Remark: 98.3 to 98.8 Lamp dyke
			96.2 to 96.25 " "
			95.4 to 96.0 Chloritization
99.1			End of Hole

SAMPLE NO.	FROM	TO	LENGTH

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-5

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t)
					3.66	6.10	2.44	Tr
					6.10	9.14	3.05	Tr
					9.14	12.19	3.05	Tr
					12.19	15.24	3.05	Tr
					15.24	18.29	3.05	Tr
					18.29	21.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	Tr
					27.43	30.48	3.05	Tr
					30.48	33.53	3.05	Tr
					33.53	36.58	3.05	Tr
					36.58	39.62	3.05	Tr
					42.67	45.72	3.05	Tr
					45.72	48.77	3.05	Tr
					48.77	51.82	3.05	Tr
					51.82	54.86	3.05	Tr
					57.91	60.96	3.05	0.17
					60.96	64.01	3.05	0.17
					64.01	67.06	3.05	0.07
					67.06	70.10	3.05	Tr

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. [illegible]

SHEET [illegible]

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Sludge Au (g/t) ASSAYS
					73.15	76.20	3.05	0.17
					76.20	79.25	3.05	Tr
					79.25	82.30	3.05	Tr
					82.30	85.34	3.05	Tr
					85.34	88.39	3.05	Tr
					91.44	94.49	3.05	Tr
					94.49	99.06	3.05	Tr

ST JOSEPH EXPLORATIONS LIMITED — DRILL LOG — HOLE NO. 2174 - 7

PROPERTY: Belleterre Village	TP OR AREA: Guillet Twp.	AZIMUTH: 343° (true)	DATE STARTED: 3rd February, 1981	CORRECTED DIP TESTS	LOCATIC
PROJECT: 2174 - 036	LOT & CONC.: Range VIII	DIP: -45.5°	DATE COMPLETED: 6th February, 1981	Collar -45.5°	
CLAIM NO.: 387427 - 5	CO-ORDINATES: L4+00E:16+55.3S	LENGTH: 100.4 m.	DRILLED BY: Barron Diamond Dr.	60.1 -39°	
GRID NO.: 1980 - 075°, B.L.		COLLAR ELEV.	LOGGED BY: Konny Lai		

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO	FROM	TO	LENGTH
			OBJECTIVES:- To test organic soil geochemical anomaly.				
			Casings				
0	3.66		Coarse Porphyritic Pyroclastic Tuff Greyish color with a tinge of green with abundant of blue quartz eyes. (3 mm)				
3.66	12.12		Structure: The grading of lithic fragments suggest a south top facing direction.				
			Alterations: Minor silicification has taken place locally. No carbonate alterations.				2.43°
							6.43°
			Veins: No significant vein occurs here.				8.00
			Mineralizations: 1 to 2% disseminated Py and fine Mt. The unit is magnetic.				
			Remarks: The same unit recur again about 13 m down hole.				
12.12	25.4		Mafic Interflow Intercalated with Tuffaceous Sediments This may be a lava flow that break up and mixed with the Pyroclastic tuff below it. It is possible that they are actually the aquegene tuff.				
			Structure: minor brecciation.				
			Alteration: Carbonate alteration. Some epidotization has taken place.	3916 3917	33.0 34.0	34.0 35.0	1.0 1.0
			Veins: a few carbonate - quartz stringers occur here and there. No strong q. vein observed.	3918 3919	35.0 36.0	36.0 37.0	1.0 1.0
			Sondage Institpros dans le cadre des travaux Partiels				

Tropari
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Depth X(3
Collar
30.05 2
79.58 5
100.4 7

Ministère de l'Ene
Gouvernement d
Service du Potentiel
DATE
NO G.M.

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 7

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	
			Mineralization: Traces of disseminated Py and up to 1% Mt.	3920	37.0	38.0	1.0	Tr
			Remark: 0.4 m. mafic dyke at 17.8 m. w/accicular anyphibole.					
25.4	37.0		Coarse Porphyritic Pyroclastic Tuff See above. 33 to 34. 3% sulfide in schist. 34.25 q. veinlet 1 cm, 40°, tr Py.					
37.0	88.7		Differentiated Gabbroic Intrusive Medium - coarse grained, medium dark green Gabbro.					
			Structure: Weak preferred orientation found in amphibole.					
			Alterations: Carbonate alteration found in few places, essentially the finer grain segments of the unit. Carbonate stringers are common. Minor epidotization.					
			Veins: 45.53, q. veinlet, 3 cm., 65°, cb-M, barren.					
			45.94, q. veinlet, 3 cm. 50°, cb-N, Tr Py.					
			48.5, q. veinlet, 2 cm. 5°, cb-S, i/c mafics Tr Py.					
			48.7, q. veinlet, 3 cm sub parallel to core, 5°, cb-M, Tr Py.					
			49.22, q.-carbonate veinlet, 2 cm, Tr Py.					
			64.9, calcite stringers.					
			64.95, epidote bands.					
			73.82, q. veinlet, 2 cm, 75°, barren.					
			76.15, splash quartz, barren.					
			Remarks: 66 to 72.68 biotite lamp. dyke. (felsic variety) 2% sulfide, mainly Py.					
			74.25 to 78.12 biot. lamp. dyke.					

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 212-7

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO	FROM	TO	LENGTH
			78.12 intrusive becomes very lencocratic, cumulus texture become more and more obvious down hole. Perhaps suggesting a north facing direction which is contrary to the piece of evidence found in the pyroclastic tuff which suggest a south facing direction.				
			86.54 to 86.93 biot. lamp. dyke.				
			87.7 to 88.28 biot. lamp. dyke.				
88.7	100.8		Mafic Porphyritic Flow				
			Structure: slightly sheared, schistosity 75°.				
			Alteration: fairly strong carbonate alterations.				
			Veins: 93.28, q. veinlet, 0.5 cm. 45°.				
			98.35, q. veinlet, signs of brecciation, Sericite rd.				
			98.56, q. veinlet, 2 cm., 40°, barren.				
100.4			END OF HOLE				

SJLPETRO MINERALS LIMITED — DRILL LOG — HOLE NO. 2174-7 — SHEET 4 OF

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au ASSAYS (g/t) Sludge
					3.66	6.10	2.44	Tr
					6.10	9.14	3.05	Tr
					9.14	12.19	3.05	0.17
					12.19	15.24	3.05	0.17
					15.24	18.29	3.05	Tr
					18.29	21.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	0.07
					27.43	30.48	3.05	0.17
					32.00	33.53	1.53	Tr
					3.53	36.58	3.05	0.34
					36.58	39.62	3.05	0.17
					39.62	42.67	3.05	0.17
					42.67	45.72	3.05	Tr
					45.72	48.77	3.05	0.07
					48.77	51.82	3.05	0.07
					51.82	54.86	3.05	Tr
					54.86	57.91	3.05	Tr
					57.91	62.48	4.57	Tr
					62.48	67.06	4.58	Tr

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. 2174-7

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t)	Sludge ASSAYS
					67.06	70.10	3.05	Tr	
					70.10	73.15	3.05	Tr	
					73.15	76.20	3.05	Tr	
					76.20	79.25	3.05	Tr	
					79.25	82.30	3.05	Tr	
					82.30	85.34	3.05	Tr	
					88.39	91.44	3.05		

ST JOSEPH EXPLORATIONS LIMITED — DRILL LOG — HOLE NO. 2174 - 10

PROPERTY: Belleterre Village	TP OR AREA: Guillet Twp.	AZIMUTH: 281°	DATE STARTED: 19 February, 1981	CORRECTED DIP TESTS
PROJECT: 2174-036	LOT & CONC.: Range IX	DIP: -45°	DATE COMPLETED: 19 February, 1981	Collar -45°
CLAIM NO.: 369755 - 2	CO-ORDINATES: 11+27E; 11+47S	LENGTH: 38.7	DRILLED BY: Barron Diamond Dr.	38.7 -43°
GRID NO.: 1980-075 B.L.		COLLAR ELEV.	LOGGED BY: Konny Lai	

LOCATION SK…

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO	FROM	TO	LENGTH	AS…
			OBJECTIVES:- To test the possible northern extension of the Clog Lake Vein.					
0	3.66		Casings					
3.66	38.7		Grey Colored Chloritized semi-massive medium grained Quartz Diorite See hole # 2174 - 9. In some places the rock resembles that of sand size sediment. Blue quartz 'eyes' are quite abundant.					
			Structure: Slightly sheared in places.					
			Alterations: Chloritization and strong carbonate alterations. Potassic alteration is also observed, but only to a minor extent.					
			Mineralization: Disseminated Py with Tr. Cp can be found everywhere in minor amounts.					
			Veins: 4.0 Q. veinlet 25° 5mm. cb-m, Tr Py & Cp	3921	3.75	4.25	0.5	Tr
			6.27 Q. veinlet. 4mm 25°, cb-s, Tr Py					
			7.24 Q. veinlet 4 mm 72°, cb-s, Tr Py diffuse contact					
			11.85 Siliceous carbonate vein. mafics 5 cm, 240°, Py 2%					
			11.97 q. veinlet 0.5 cm. 40°, Py & Tr. Cp.	3922	11.50	12.5	1.0	Tr
			12.05 q. veinlet 0.5 cm. 25° Py					
			13.26 q. veinlet, 1 cm. 45° Py.					

Down	Hole C…
Depth	X(281°)
Collar	0
19.35	13.68
38.70	27.83

Sondage entrepris dans le cadre du Programme [illegible]

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 10

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO	FROM	TO	LENGTH	
			14.92 q. vein. 6 cm. 60°, cb-s Py, i/c mafics	3923	14.5	15.5	1.0	T
			16.37 q. veinlet, 0.7 cm. 30°, cb-m, Py streaks					
			19.05 q. veinlet, 1.2 cm. 50°, i/c mafics Py 3%	3924	19.0	19.5	0.5	T
			19.30 2 q. veinlet, core cut vein at very shallow angle 18° & less, 0.7 cm. Py, slight slip cause minor displacement of vein.					
			20.33 carbonate - quartz veinlet 45°.					
			20.57 q. veinlet 0.5 cm. 20°, Tr. Py.					
			21.48. q. veinlet. 1cm. 18°, Py 3%, Tr Cp & Sp? too fine to be identified.					
			23.95 q. veinlet, 0.5 cm 20°	3925	21.25	21.75	0.5	T
			25.55 q. veinlet, 2.5 cm. 55° Tr Py i/c mafics					
			27.14 q. veinlet, 0.8 cm. 20°, Tr Py.					
			31.70 q. vein. bluish quartz, 20 cm. 65°	3926	31.0	32.0	1.0	T
			Possibly it's the Clog-Lake Vein.					
			Thin band of Py at the beginning. Tr Cp can be observed. Chloritization cause an altered zone. 25 cm. on both end of the vein.					
			35.91 q. veinlet, i/c mafics 1 cm., 30°, K-alterations for 10 cm.					
			Remark: Broken core section at 9.0					
			9.4 to - some gouging. 9.68 Schistosity 40° shearing.					
38.7			End of Hole.					

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 10 SHEET 2 OF

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au (gm/tonne)
					3.35	6.10		trace
						9.14		trace
						12.19		trace
						15.24		trace
						18.29		trace
						21.34		trace
						24.38		0.07

[illegible]
Geologist
[illegible]
Haileybury, Ont
April, [illegible]

ST JOSEPH EXPLORATIONS LIMITED — DRILL LOG — HOLE NO. 2174 - # 14

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED
Belleterre Village	Guillet Twp.	345°	11 March, 1981.
PROJECT	**LOT & CONC.**	**DIP**	**DATE COMPLETED**
2174 - 036	Range IX	-40°	13 March, 1981.
CLAIM NO.	**CO-ORDINATES.**	**LENGTH**	**DRILLED BY**
	L13+00E;10+59S	153.6	Barron Diamond Dr.
GRID NO.		**COLLAR ELEV.**	**LOGGED BY**
1980 - 075 B.L.			Konny Lai

CORRECTED DIP TESTS

Collar	-40°		
60.05	-36°	152.4	-31°
121.0	-34°		

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH
			OBJECTIVES:- To test the Mud Lake Shear Zone and try to duplicate the assay results from previous drillings. Ed. Syst. low Cu Ni (234)				
0	3.66		Casing.				
3.66	26		Differentiated gabbroic intrusive fr. 3.66 - 23.5 the rock is carbonitized.				
			Structure: It is schisted in place, but overall speaking the unit is semi-massive due to differentiated layering.				
			Mineralization: Sparse Pyrite mineralization throughout with Tr. Cp occurs here and there.				
			Alteration: Besides carbonitization; potassic alteration (19 - 21m).				
			Veins: 6.04, q. veinlet, 0.8 cm., 30°, Tr Py glassy	3938	5.5	6.5	1.0
			6.12, q. vein, 4.5 cm., 45°, Tr Py, glassy				
			10.9, q. veinlet, 1cm, 40° not much sulfide mineralization.				
			17.0, q. vein, 3 cm., 30°, no sulfide mineralization.				
			23.18, C -q. vein, 1cm., 50°, no sulfide in the vein, but Cp, Py in wall rock at upper contact.	3939	22.75	23.25	0.5
			Remarks:				
26	81.78		Talc schists and altered Peridotite Grey colored, Talcose, non-carbonitized and slightly				

ASSAYS

Down Hole Depth	Co-ordinates X(345°)	Y(ver)	Z(075°)
Collar	0	0	0
30.03	23.00	19.30	0
90.53	71.95	54.86	0
136.71	110.23	80.68	0
153.6	124.71	89.39	0

SAMPLE NO.	Au (gm/tonne)
3938	trace
3939	trace

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) ASSAYS
			Mineralization: Sparse Py mineralization with Tr Cp in places.	3840	41	41.5	0.5	trace
			Veins at 48.8, 1.5 cm. 40°. barren.					
			50.1, 4.0 cm., 40°, barren.					
			50.3, 2 cm. 40°, barren.					
			58.3, 2 cm., barren.					
			Remarks: 44.6 to 47.2 Lamprophyre Dyke					
			56.8 to 57.5 Lamprophyre Dyke.					
			Faultings at:					
			53 broken core.					
			55.5 to 56.5 gouge, broken etc.					
			59.5 minor fault.					
			68 minor fault.					
			69 severly broken and gouge.					
			73.4 minor gouging					
			75.2 minor gouging.					
81.78	99.5		Mafic Volcanolitic flows					
			Characterized by the presence of Volcanolites and some subhedral Feldspar crystals. Note that at 88.60, appearance resembled that of 'andesite Tuff'.					
			Mineralization: at 90.4, bands of Q-C vein with Pyrite.					
			Trace Pyrite can be found in most places.					
			Vein: 87.5 - 98.0 q.v. 0.5 m., 75°, Cp, Py i/c mafics	3941	87.25	98.25	1.0	trace
			98.8, q.v. 10cm., 65°, Py slightly					
			98.15; 2 q.veinlet, 2 cm. each cloudy white, bluish	3942	98.25	99.25	1.0	trace
			Remarks: Blebs of Quartz occur: at 89.0					
			at 92.3.					
98.5			Tuffaceous sediments					
			Various varieties are present here:					
			99.5 Pyroclastic flow - medium grain					
			101 'Audesite Tuff'.					

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 14

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) ASSAYS
			109, Coarse grained, Pyroclastic tuff					
			113.0, silified Tuff.					
			Evidence seems to suggest a north facing direction.					
			Alteration: include, silicification and carbonization.					
			Veins: 107.15, Q-C vein, Tr Py, some brecciation	3943	106.75	107.25	0.5	trace
			111.62, smocky quartz vein, 30 cm, 35°	3944	109.5	110	0.5	trace
			Tr Py & Tr Mo (could be Te)	3945	110	111	1.0	trace
			121.75 q.v. bluish, massive Py, Cp, Po, 25 cm, 70°					
			123.4, q.v. 4 cm., 70°, Cp, Py	3947	112	113	1.0	trace
				3948	113	114	1.0	trace
			Remarks: 110.35 Lamprophyre dyke	3949	114	115	1.0	trace
			to 110.75	3950	115	116	1.0	trace
			113.75 broken core & gouging	3951	116	117	1.0	trace
			117.38 to 118.75 interlayered sediment argillaceous	3952	117	118	1.0	trace
				3953	118	119	1.0	trace
				3954	119	120	1.0	trace
			123.5 - 136.38 medium grained mafic intrusive	3955	120	121	1.0	trace
			with distinctive resorbed feldspar grains	3956	121	122	1.0	trace
				3957	122	123	1.0	trace
				3958	123	124	1.0	trace
136.38	150.02		Quartz feldspar Porphyry	3959	136	137	1.0	trace
			Consists of A system of smoky quartz vein and	3960	137	138	1.0	trace
			veinlets.	3961	138	139	1.0	trace
			Tr Py, Cp.	3962	139	140	1.0	trace
				3963	140	141	1.0	trace
150.2	153.6		Grey Siliceous Tuff	3964	141	142	1.0	trace
			Massive, fine grain silicified Tuff	3965	142	143	1.0	trace
153.6			END OF HOLE	3966	143	144	1.0	trace
				3967	144	145	1.0	trace
				3968	145	146	1.0	trace
				3969	146	147	1.0	trace
				3970	147	148	1.0	trace
				3971	148	149	1.0	trace
				3972	149	150	1.0	trace

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 14

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	SLUDGE ASSAYS Au (g/t) ASSAYS
					3.05	6.10		trace
						9.14		0.07 ✓
						12.19		trace
						15.24		trace
						18.29		trace
						21.34		trace
						24.38		trace
						27.43		trace
						30.48		trace
						33.53		trace
						36.58		trace
						42.67		trace
						48.77		trace
						54.86		trace
						60.96		trace
						67.06		trace
						73.15		trace
						79.25		trace
						85.34		trace
						91.44		0.07 ✓
						97.54		trace

ST JOSEPH EXPLORATIONS LIMITED DRILL LOG HOLE NO. 2174 - 14

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Sludges ASSAYS Au (g/t)
					106.68	112.78		trace
						118.87		trace
						124.97		trace
						134.11		trace

K. Connaghan
BSc. (Hon. Geol.)

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. 2174-13

SHEET 1 OF

PROPERTY: Belleterre Village	TP OR AREA: Guillet Twp	AZIMUTH: 344°	DATE STARTED: March 4, 1981	CORRECTED DIP TESTS: collar -40°; 153.6 -31°; 60.0 -36°; 121.0 -32°
PROJECT: 2174-036	LOT & CONC.: Range IX	DIP: -40°	DATE COMPLETED:	
CLAIM NO.: 369755-4	CO-ORDINATES.: 9+56E; 11+22S	LENGTH: 154.2m	DRILLED BY: Barron Diamond Dr.	
GRID NO.: 1980-075° B.L.		COLLAR ELEV.	LOGGED BY: Konny Lai	

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION
			OBJECTIVES:- To test the favorable geological setting for gold.
			Mineralization in the Mud Lake Fault
0	3.66		Casings.
3.66	11.6		Medium grained Quartz diorite
			Semi Massive medium grey colored with blue quartz eyes and sparsely mineralized with sulfide Py, Tr Cp
			Very well carbonaitized. A distinctive character of this unit is the brownish porous appearnce of
			weathering. This unit gradually grade into
11.6	33.56		Medium fine grained gabbra
			This gabbro has a feldspar porphyritic texture
			~11.6m Gradational Contact
12.5	12.78		Coarse grained Biotite Lamprophyre Dyke
20.6	21.08		Medium Grained biotite Lamprophyre dyke
			Structure: Semi massive blocky in places
			Broken core at 4.6m and 7.6m

SAMPLE NO.	FROM	TO	LENGTH

ASSAYS

Tropari

Depth	Mag	Azimuth	Dip
153.6	358°	347°	-31

Down Hole Coordinates

Depth	x (345)	y (Ver)	Z (0)
collar	0	0	0
30.0	23.0	19.3	0.2
90.5	71.9	54.8	1.7
137.3	111.5	79.6	3.6
154.2	126.0	88.3	4.4

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13 SHEET 2 OF

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			~~Structure Continue:~~ ~~broken core at 13.4 & 15.8~~ ~~minor fault with gouge at 16.5~~ ~~Shearing started at 33.2 m and progresses became more severe as one more down hole~~ Veins at 7.8m Q. veinlets white glassy variety 0.5 m ~18° Some Py at 9.8m Q. veinlets 1 cm, 50° brown weathered appearance with mica 14.9m to 15.2 series of Q. veinlet 1cm, 2cm, 4 cm resp. all ~75°, quite well mineralized, host rock is slightly sheared ~~21.08 Q. veinlet at context of Lamp dyke and mafic intrusive 1cm, ~50°~~ ~~22.48 Q. veinlet 2.5 cm 70° no mineralization of~~ sulfide white glassy variety					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13 SHEET 3 OF

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			Remark: 12.5 to 12.78 Coase grained biotite Lamprophyre Dyke					
			20.6 to 21.08 medium grained biotite Lamprophyre Dyke					
			28.0 to 28.35 medium grained biotite lamprophyre Dyke lower ct ~35°					
			Gradational Contact between gabbrois intrusive and ultramafic talc schists. The gabbroic intrusive is quite well carbonitized but as we move closer to the ultramafics, rocks become non-carbonatized and more severely sheared and they are magnetic.					
33.56	38.4		Talc-Schist Grey colored, pervasively sheared and magnetic Structure: Apart from the shearing, some late faults are found between 36.0 to 38.0					
			Brecciation of the feldspar porphyry found near 38.0					
			Veins: q.v. 5 cm ~45° white glassy no mineralization					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13 SHEET 4 OF

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			Veins: at 38.03, q. veinlet 2 cm, i/c mafic ~70°					
			No sulfide mineralization					
38.4	50.1		Feldspar Porphyry					
			Beige colored coarse grained prophyry with ^5 to					
			6% quartz eyes	3930	48.0	49.0		Tr
			Alteration: sericitization, potassic alteration	3931	49.0	50.0		Tr
			silicification weak chloritization					
			Mineralization: the prophyry is very weakly					
			mineralized with sulfide mainly speks of Py + Tr Mo					
			at 45.3					
			Veins: at ~50°					
			There is a vein system cross-cutting this porphyry					
			and they are almost barren as far as sulfide					
			mineralization is concerned.					
			Vein at 40 to 42 20% Qz material barren, some chl					
			streaks					
			42 to 43.7 30% Qz barren					
			44.7 to 50.1 35 to 40% QZ tr Mo at 45.3					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS			
			~~Remark: Talc Chlorite schist at 43.7 to 44.7~~ ~~Fault at 44.5~~								
50.1	56		Talc Chlorite Schist See previous description Structure: Schistosity at 70° Faulting at 52.0								
56.0	57.0		Sericitized Mineralized Porphyry dyke K-spar reddish brown in color i/c with Talc chlorite schist Ave 3% Py, Cp	3929	56.0	57.0	1.0		Tr		
57.0	73.5		Talc Chlorite Schist								
73.5	74.5		Q. Vein 0.61 m minor Cp, Py	3928	73.0	73.5	0.5		0.17	✓	
				3927	73.5	74.5	1.0		Tr		
74.5	138.4		Talc Chlorte Schist ~~See above~~ Structure: schistosity at 75° 117.3 to 118.6 Faulting, broken core and gouge ~~122.2 to 122.5 faultings~~ ~~133.5 to 133.7 Faultings~~								

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13 SHEET 6 OF

METRES FROM	METRES TO	SECTION	DESCRIPTION
			Remark: 119.6 to 120.1 lamp dyke
			133.5 to 133.7 lamp dyke and mafic materials in faults
138.6	141.1		mfg mafic flows
			possibly mafic tuff
			Remark: 138.4 to 139.2 lamp dyke
141.1	141.4		Sil. felsic tuff
141.4	154.1		Thick biot. Lamprophrye dyke
154.1			End of Hole

SAMPLE NO.	FROM	TO	LENGTH	Au (g/t)	Sludge ASSAYS
	3.05	6.10	3.05	Tr	
	6.10	9.14	3.05	Tr	
	9.14	12.19	3.05	Tr	

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-13 SHEET 7 OF

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) Sludge ASSAYS
					12.19	15.24	3.05	Tr
					15.24	18.29	3.05	Tr
					18.29	21.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	Tr
					27.43	30.48	3.05	Tr
					30.48	33.58	3.05	Tr
					33.58	36.58	3.05	Tr
					36.58	39.62	3.05	Tr
					39.62	54.86	15.24	Tr
					54.86	57.91	3.05	Tr
					57.91	60.96	3.05	Tr
					60.96	64.01	3.05	Tr
					64.01	67.06	3.05	Tr
					70.10	73.15	3.05	Tr
					73.15	76.20	3.05	Tr
					76.20	79.25	3.05	Tr

Konrad Theis
B.Sc. (Hon. Geol.)

DRILL LOG HOLE NO. 2174-8

SHEET 1 OF

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED
Belleterre Village	Guillet Twp.	165°	Feb. 11, 1981
PROJECT	LOT & CONC.	DIP	DATE COMPLETED
2174-036	Range IX	-40.5	Feb. 13, 1981
CLAIM NO.	CO-ORDINATES	LENGTH	DRILLED BY
369755-1	7+50E; 10+10S	149.4	Barron Diamond Drilling
GRID NO.		COLLAR ELEV.	LOGGED BY
1980-075 BL			Konny Lai

CORRECTED DIP TESTS

collar	-40.5		
		137.2	-29°
121.9	-29.5		

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION
00	6.7	
6.7	11.4	
22	37	

DESCRIPTION

OBJECTIVES:- To test the Mud Lake Shear

Casings

Talc Chlorite Schist

The rock is dark green in colored interwoven with numerous ivory colored talc bands It is very soft and corks are broken in many places. Pyrite found in the unit are usually subrounded to sub angular

Structure: Schistosity at 25° to 40
Broken Core at 7.6 to 7.8
8.6 to 9.0

Alterations: Chlorite & Talc Alterations weak to moderate carbonatizations

Veins and Mineralizations

No vein system encountered in this unit.
Mineralization is limited to sparse mg Py

SAMPLE NO.	FROM	TO	LENGTH

ASSAYS

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-8 SHEET 2 OF

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
11.4	30.5		mg. Muscovite -Biotite Lamprophyre dyke Chilled contact with talc chlorite schist indicate this unit is alate mafic intrusive Muscovite, can be found close to the upper ct. lower portion of the unit is dominant by biotite. The unit is weakly to moderately carbonatized. Structure: Upper Ct. is at 18° Mineralization: Sparsely mineralized with Py Remark: strongly carbonatized area can be found as 15.0 to 18.0 18.4 to 18.7 28.25 to 28.35 28.80 to 29.40					
30.5	48.9		Tuffaceons sediments with thin interbedded fine sand to silt size sediments and mfg mafic volcanics Cherty sediments are gryish white in color and are usually very fine grained. They are well banded and has been slightly sericitezed. Fine sand sized area it can be found at 31.45 to 32.0 Structure: bedding at 40 to 45°					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-8

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) ASSAYS	Ag (g/t)
			Alterations: sericitization can be found in the Tuff beds. Silicification is very common		31.0	32.0		31.0 to 39.0 should be split except lamp dyke	
			Veins and Mineralization						
			38.0 to 38.75 well mineralized with 3% Py 1% Cp and Sph 0.5% Veining are intercalated within the silicified ser. bands 40.8 q.v. 5 cm 10° or less, Tr Cp i/c mafics	3907	40	41.0	1.0	Tr	Tr
			40.9 q.v. 5 cm 40°	3908	41.0	41.55	0.55	0.17	0.69
			Remark: Biot. Lamp dyke at 31.75 to 31.85						
			31.90 to 32.00 32.16 to 33.12	3904	44.0	45.0	1.0	Tr	Tr
			42.10 to 43.90	3905	45.0	46.0	1.0	Tr	Tr
			Thin cb-mfg mafic volcanic at 33.25 to 34.10 highly carbonatized in places carry 3% Py 1.5% Cp 41.0 to 42.10	3906	46.0	47.0	1.0	Tr	Tr
43.9	50 5		Feldspar Porphyry						
144	165.7		mq feldspar in a carbonatized slightly chloritized matrix. Very leucocratic only carry 5 to 10% mafic can sediments in the non chloritized portion. The upper segment of the porphyry is highly altered, bleached and feldspar uner went alteration to give it a beige color. The unit invariably carry 1 to 2% Py, Tr Cp It gives the impression of an arkosite texture in sediment						

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-8 SHEET 4 OF ___

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
50.5	51.5		Brecciated mg mafic flows					
			well developed mg. at the upper ct Brecciation at 51.1 to 51.3					
51.5	70.45		Pyroclastic Ash fall Tuff with thin interbedded mafic flows					
			Coarse ash size less commonly apillie size lithic fragment with blue qz eye size the matrix mfg to fg mafic flows at 54.5 to 55.47					
			56.5 to 57.75					
			67.0 to 68.0, slip plane is ^10° (w/pyroclastic)					
			Strucutre: bedding at 40 to 45°					
			Weakly schistosity at 45°					
			Alteration: Weak to moderate Carbonate alterations					
			Silicification is strong within cherty beds.					
			Remark: biot lamp dyke at 62.0					
			Top facing direction ^south					
70.45	89.6		Mafic Tuff					
			Another phase of pyroclastic ash fall?? Fragments are usually subhedral feldspar less than 3 mm size ie. coarse ash to apill: size					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-8 SHEET 5 OF

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) ASSAYS	Ag (g/t)
			Mineralization, Veins: 77.8 to 77.98 q. veinlet blobs of Per at						
			78.55 to 78.75 brecciated q.v. ^50° altered fld product	7000	79.0	80.0	1.0	Tr	Tr
			Act in dite in q.v. 1% Po at 80.5 to 80.7 in host rock	7901	81.0	82.0	1.0	C.07	Tr
			81.1 to 81.84 q.v.s. ^25° white glassy 20% Qz fld alt-						
			Cp, Po, Py i/c mafics	3902	82.0	83.0	1.0	Tr	Tr
			81.86 to 82.57 c-qv ^15°, 2 generations cb-s						
			84.0 to 84.06 q. veinlet ^35°, Tr Py Po	3903	83.75	84.25	0.5	Tr	Tr
			Remark: biot. lamp dyke at 73.9 to 74.25						
			f. sand size Arenite at 87.0 to 88.2						
			silicification in the mafics tuff becomes quite intense from 86.25 to 89.6						
89.6	149.4		Talc Chlorite Schist						
			See Above						
			Structure: Schistosity at45°						
			Remark: Lamp dyke at 89.7 to 91.2						
			1 m core loss						
149.4			End of hole						

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-8

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	SLUDGES Au (g/t) ASSAYS
					6.71	9.14	2.43	Tr
					9.14	12.19	3.05	Tr
					12.19	15.24	3.05	Tr
					15.24	18.29	3.05	Tr
					18.29	12.34	3.05	Tr
					21.34	24.38	3.05	Tr
					24.38	27.43	3.05	Tr
					27.43	30.48	3.05	Tr
					30.48	33.53	3.05	Tr
					33.53	36.58	3.05	Tr
					36.58	39.62	3.05	Tr
				130 140	39.62	42.67	3.05	0.17 ✓
				140 150	42.67	45.72	3.05	0.17 ✓
					45.72	48.77	3.05	Tr
					48.77	51.82	3.05	Tr
				170 180	51.82	54.86	3.05	0.17 ✓
					54.86	57.91	3.05	Tr
				190 200	57.91	60.96	3.05	0.17 ✓
					60.96	64.01	3.05	Tr
					64.01	67.06	3.05	Tr
					67.06	70.10	3.05	Tr

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. _____

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t) Sledges ASSAYS	
				70.10	73.15	3.05		Tr	
				73.15	76.20	3.05		0.07	✓
				76.20	79 25	3.05		Tr	
				79.25	82.30	3.05		Tr	
				82.30	85.34	3.05		Tr	
				85.34	88.39	3.05		0.17	✓
				88.39	91.44	3.05		Tr	
				91.44	94.49	3.05		Tr	
				94.49	97.54	3.05		Tr	
				97.54	100.58	3.05		Tr	
				100.58	103.63	3.05		Tr	
				103.63	106.68	3.05		Tr	
				106.68	109.73	3.05		Tr	
				109.73	112.78	3.05		Tr	
				112.78	115.82	3.05		Tr	
				115.82	118.87	3.05		Tr	
				118.87	121.92	3.05		Tr	
				121.92	124.97	3.05		Tr	
				124.97	128.02	3.05		Tr	
				128.02	131.06	3.05		Tr	
				131.06	134.1	3.05		Tr	

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-8 SHEET 8 OF ___

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Sludge Au (g/t) ASSAYS
				134.11	137.16	3.05		Tr
				137.16	140.21	3.05		Tr
				140.21	143.26	3.05		Tr
				143.26	146.30	3.05		Tr
				146.30	149.66	3.05		Tr

Kenneth Nair

B.Sc. (Hon. Geol.)

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. 2174-12

SHEET ___ OF ___

PROPERTY	TP OR AREA	AZIMUTH	DATE STARTED	CORRECTED DIP TESTS
Belleterre Village	Guillet Twp.	340°	Feb. 28, 1981	
PROJECT	LOT & CONC.	DIP	DATE COMPLETED	collar -39.5°
2174-036	Range VIII	-39.5°	March 1, 1981	
CLAIM NO.	CO-ORDINATES.	LENGTH	DRILLED BY	61.0 -36°
387427-2	13+61.5E; 17+76S	86.0(282)	Barron Diamond Dr.	
GRID NO.		COLLAR ELEV.	LOGGED BY	86.0 -35°
1980-075 BL			Konny Lai	

LOCATION SKETCH OF HOLE

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
			OBJECTIVES:-					
0	5.50		Casings					
5.50	6.80		Interflow meta sediments					
			Chloritized Greywacke matrix containing sub angular to subrounded pebble site clsts Qz, fld & lithic fragments.					
			Structure: bedding at 55° or more Upper Ct at 45°					
			Mineralization: Ave. 2% mg. Py					
6.8	8.3		Mafic dyke: Micaceons Chlorite lamp dyke					
			Carry one 12 cm syenite pebble					
8.3	12.7		f.g. mafic volcanic flow					
			dark green, massive and moderately carbonatized					
			10.2 to 11.0 micaceons chlorite lamp dyke					
			carry an abundant of tiny arcicular amphibot x'l					
			12.7 to 12.85 Biot. lamp dyke					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-12 SHEET 2 OF

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	ASSAYS
12.7	36.9		Semi massive m-cg. Gabbrois intrusive					
			See previous description					
			a feww cc veinlets here and there					
			Structure: a foliated section at 24.0 to 26.3					
			Schistosity at 30°					
			Remark: No strong vein system encountered					
36.9	46.7		Biot. Lamp dyke					
			Veriolitic Pillowed Basalt Flow					
			See Hole #11 description					
			Remark: Biot. lamp dyke at 43.2 to 46.7					
46.7	56.75		m-fg to fg mafic flows					
			See previous descriptions					
			Structure: schistosity at 65° or more					
			Remark: lamp dyke at 50.24 to 51.55					
			56.0 to 56.25					
			Carbonatization becomes more intense approaching					
			the lower silicified tuff ct					

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-12

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Au (g/t)	Sludge ASSAYS
			~~Remark: mafic chlorite dyke at 79.3 to 80.5~~		~~6.10~~	~~9.14~~	~~3.04~~	Tr	
			~~Coarse grain biot. lamp dyke at 84.3 to 85.8~~		9.14	12.19	3.05	Tr	
			~~include prop. pebbles~~						
~~86.0~~			End of hole		12.19	15.24	3.05	Tr	
					~~15.24~~	~~18.29~~	~~3.05~~	Tr	
					18.29	21.34	3.05	Tr	
					21.34	24.38	3.05	Tr	
					24.38	27.43	3.05	Tr	
					27.43	30.48	3.05	Tr	
					30.48	33.53	3.05	Tr	
					33.53	36.58	3.05	Tr	
					36.58	39.62	3.05	Tr	
					39.62	42.67	3.05	Tr	
					42.67	45.72	3.05	Tr	
					45.72	48.77	3.05	Tr	
					48.77	51.82	3.05	Tr	
					51.82	54.86	3.05	Tr	
					54.86	57.91	3.05	Tr	
					57.91	60.96	3.05	Tr	
					~~60.96~~	~~64.01~~	3.05	Tr	
					64.01	67.06	3.05	Tr	

SULPETRO MINERALS LIMITED DRILL LOG HOLE NO. 2174-12. SHEET ~~3~~ OF

METRES FROM	METRES TO	SECTION	DESCRIPTION
56.75	58.25		~~F.g. silicified Tuff~~
			See previous descriptions
			In places, partially sericitized
			Structure: bedding at 70° or more
			~~Remark: sulfide mineralization is rereand is limited to slip planes~~
58.25	68.35		Brecciated f.g. mafic lava flows
			the breccia seemed to be primary they are possibly flow top breccia
			~~size of fragments are usually less thn 12 cm~~
68.35	79.2		Semi massive mfg mafic flows
			See previous descriptions
			Structure: Weak schistosity at 60°
			Vein: 78.5 to 79.4 q-c veinlet 45°, Tr sulfide
			~~Remark: Lamp dyke at biot. chl type 70.4 to 72.96~~
			~~The bottom of the unit is probably variolitic mafic~~ flows
78.2	86.0		mg Gabbroic intrusive
			see previous description

SAMPLE NO.	FROM	TO	LENGTH

ASSAYS

SULPETRO MINERALS LIMITED

DRILL LOG HOLE NO. 2174-12

METRES FROM	METRES TO	SECTION	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	Sledge Au (g/t) ASSAYS
					67.06	70.10	3.05	Tr
					70.10	73.15	3.05	Tr
					73.15	76.20	3.05	Tr
					76.20	79.25	3.05	Tr
					79.25	82.30	3.05	0.17 ✓
					82.30	85.34	3.05	Tr

Longyear

BQ (Hole Gold)